Supplementary Information for

KDM4 Orchestrates Epigenomic Remodeling of Senescent Cells and Potentiates the Senescence-Associated Secretory Phenotype

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Supplementary Methods

Reagents, plasmids and antibodies.

The pLenti-Puro, pLVX-IRES-Puro and pLKO.1-Puro plasmids were purchased from Addgene. Lentiviral vector pLKO.1-Puro was used to clone small hairpin RNAs (shRNAs): KDM4A shRNA1 (target sequence: GCACCGAGTTTGTCTTGAAAT); KDM4A shRNA2 (target sequence: TTCGAGAGTTCCGCAAGATAG); KDM4A shRNA3 (target sequence: TAGTGAAAGGACGAGCCATTT); KDM4B shRNA1 (target sequence: GCGGCAGACGTATGATGACAT); KDM4B shRNA2 (target sequence: GCGGCATAAGATGACCCTCAT); KDM4B shRNA3 (target sequence: GATGACCTTGAACGCAAATAC). KDM4A and SUV39H1 cDNAs were cloned to pLenti-Puro to generate expression constructs, while KDM4B and HA-SETD2-M cDNAs were cloned to pLVX-IRES-Puro respectively.

Antibodies relevant to this article were from commercial suppliers and used for immunoblotting, immunofluorescence staining, ChIP-seq, ChIP-PCR or immunohistochemistry at optimized concentrations (details listed in Supplementary Table 10).

In vitro cell treatments and senescence appraisal.

Stromal cells were grown until 60%-80% confluent (CTRL) and treated with bleomycin (50 μg/ml, BLEO, MedChemExpress, cat. no. HY-17565), mitoxantrone (1 μM, MIT, Selleck, cat. no. S2485), doxorubicin (2 uM, DOXO, MedChemExpress, cat. no. HY-15142), cisplatin (10 μM, CIS, MedChemExpress, cat. no. HY-17565), carboplatin (20 μM, CARB, MedChemExpress, cat. no. HY-17393), satraplatin (20 μM, SAT, MedChemExpress, cat. no. HY-17576), docetaxel (100 nM, DTX, TOCRIS, cat. no. 4056), paclitaxel (100 nM, PTX, MedChemExpress, cat. no. HY-B0015), vincristine (50 nM, VCR, Selleck, cat. no. S1241) for 12 h. After treatment, the cells were rinsed twice with PBS and allowed to stay for 7-10 d in media.

Oncogenic HRAS^{G12V}-transduced cells were selected by puromycin for 3 d and allowed to stay for 7-10 d in media. Alternatively, the cells were allowed to passage consecutively for replicative exhaustion. SA-β-Gal staining assay was performed with a commercial kit (Beyotime) to examine cellular senescence. For cell cycle arrest, a single pulse of BrdU (10 μM, Yeasen) was performed for 24 h and cells were subject to immunofluorescence staining with an anti-BrdU antibody (1:400 dilution, Cell Signaling, cat no. 5292) before counterstained with DAPI and assessed by fluorescence microscopy. Alternatively, cells were exposed to ML324 (20 μM, MedChemExpress, cat. no. HY-12725), Bay 11-7082 (2 μM, Selleckchem, cat. no., S2913) or Chaetocin (10 nM, Selleckchem, cat. no. S8068), either alone or alongside other agents for specific assays.

DNA-damage extent was evaluated by immunostaining for γH2AX (primary dilution 1:500) or p53-BP1 (primary dilution 1:500) foci by following a 4-category counting strategy as formerly reported [1]. Random fields were chosen to show DDR foci, and quantified using CellProfiler (http://www.cellprofiler.org). For clonogenic assays, cells were seeded at 1 × 10^3 cells/dish in 10mm dishes for 24 h before treated with chemicals. Cells were fixed with 2% paraformaldehyde 7-10 d post treatment, gently washed with PBS and stained instantly with 10% crystal violet prepared in 50% methanol. Excess dye was removed with PBS, with plates photographed. Colony formation were evaluated by quantifying the number of single colonies per dish.

Quantitative RT-PCR.

Quantitative RT–PCR (qRT–PCR) was performed after RNA extraction using TRIzol (Thermo Fisher). RNA expression was determined with Universal SYBR Green Two-step kit (Yeasen) on a QuantStudio 7 Real-Time PCR System (Thermo). For normalization of human gene expression, *RPL13A* was used as an internal control, and the fold change was calculated using the 2-ΔΔC(t) method for all analyses (primer sequences listed in Supplementary Table 11).

Immunoblotting and immunofluorescence.

Proteins were separated using NuPAGE 4 to 12% Bis-Tris gels and transferred onto nitrocellulose membranes (Life Technologies). The blots were blocked with 5% nonfat dry milk at room temperature for 1 h and incubated overnight at 4°C with desired primary antibodies at concentration per the manufacturer's protocol, followed by incubation with horseradish peroxidase-conjugated secondary antibodies (Santa Cruz) at room temperature for 1 h. The membrane blots were developed with enhanced chemiluminescence (ECL) detection reagent (Millipore) per the manufacturer's protocol and detected through chemiluminescence using ImageQuant LAS 400 Phospho-Imager (GE Healthcare). As a standard protein marker, we used Thermo Fisher Scientific PageRuler Plus Prestained Protein Ladder (no. 26619).

For immunofluorescence staining, cells were cultured in dishes and pre-seeded for at least 24 h on coverslips. Upon brief washing, cells were fixed with 4% paraformaldehyde in PBS for 8 min, blocked with 5% normal goat serum (NGS, Thermo Fisher) for 30 min and incubated with primary antibodies diluted in PBS containing 5% NGS for 2 h at room temperature. Alexa Fluor 488 or 594-conjugated secondary antibodies (Invitrogen, 1:400) were used. Nuclei were stained with Hoechst 33342, with slides mounted with Vectashield medium. Fluorescence imaging was performed on a fluorescence microscope (Nikon Eclipse Ti S). Captured images were analyzed and processed with the Nikon DS-Ri2 fluorescence workstation and processed with NIS-Elements F4.30.01. Alternatively, a confocal microscope (Zeiss LSM 780) was applied to acquire confocal images (antibodies used for this study listed in Supplementary Table 10).

Chromatin fractionation and nuclear protein extraction.

To assess the levels of KDM4 family members at the chromatin-bound fraction, CTRL and BLEO-treated PSC27 cells were cross-linked with 1% formaldehyde for 5 min and quenched with 0.125 M glycine; then, cells were washed thrice with 1 × PBS, and incubated with buffer A (10 mM HEPES, pH 7.9, 10 mM KCl, 1.5 mM $MgCl_2$, 10% glycerol, 0.34 M Sucrose, 1 mM DTT, 0.1% Triton, PMSF, and protease inhibitor mixture) for 10 min at 4 °C. The cell lysates were centrifuged at 1,500 × g for 5 min at 4 °C, with supernatants removed. Pellets were resuspended in buffer B (3 mM EDTA, 0.2 mM EGTA, 1 mM DTT, PMSF, and protease inhibitor mixture) and incubated on ice for 10 min before centrifugation at 1,700 × g for 5 min at 4 °C. To prepare the chromatin-bound fraction, the pellets were incubated for 30 min at 37 °C with buffer A containing 1 mM $CaCl_2$ and 0.6 unit of MNase and centrifuged at 20,000 × g for 10 min at 4 °C, and the supernatant was collected and subjected to immunoblot analysis. For nuclear protein preparation, a Minute^{TM} Cytoplasmic and Nuclear Extraction Kit (Invent Biotechnologies, Inc. # sc-003) was used by following the manufacturer' procedure.

Stromal cell clonogenic assay.

PSC27 cells were trypsinized and counted with a hemocytometer. Two milliliters of DMEM full medium containing 500 cells were plated in each well of the six-well plates. The cells were maintained at 37 °C for 7 d to allow colony formation before stained with 0.5% crystal violet (Sigma-Aldrich) in absolute methanol. Colonies per well were counted and numbers were recorded from 3 independent experiments.

Cancer cell phenotype appraisal.

Epithelial cell proliferation was determined following the MTT procedure (Promega). Migration and invasion were assessed in culture using Transwells (Cultrex 24-well Cell Migration Assay plates) containing a porous (8 μm pore size) membrane uncoated (for the migration assay) or coated (for the invasion assay) with a 0.5 × solution of basement membrane extract and the indicated CM in the bottom portion of the well. After 24 h, migrating or invading cells on the bottom side of the porous membranes were stained and quantified by absorbance as recommended by the supplier.

Histology and immunohistochemistry.

Mouse tissue specimens were fixed overnight in 10% neutral-buffered formalin and processed for paraffin embedding. Standard staining with hematoxylin/eosin was performed on sections of 5-8 μm thickness processed from each specimen block. For immunohistochemistry, tissue sections were de-paraffinized and incubated in citrate buffer at 95 °C for 40 min for antigen retrieval before incubated with the indicated antibodies (for instance, anti-cleaved Caspase 3, 1:1000) overnight at 4 °C. After 3 washes with PBS, tissue sections were incubated with biotinylated anti-mouse IgG (1:200 dilution, Vector Laboratories) for 1 h at room temperature then washed thrice, after which streptavidin-horseradish peroxidase conjugates (Vector Laboratories, CA, USA) were added and the slides incubated for 45 min. DAB solution (Vector Laboratories) was then added and the slides were counterstained with haematoxylin.

SILAC sample preparation.

PSC27 cells were grown to 80% confluence in high glucose (4.5 g/L) DMEM media (with glutamine and sodium pyruvate) containing 10% FBS and 1% penicillin/streptomycin at 37 °C with 95% air and 5% CO2. Cells were either labeled with “heavy isotopic lysine” (^{13}C-lysine) or “light isotopic lysine” (^{12}C-lysine/arginine) using a SILAC protein quantitation kit (Pierce, Thermo) according to manufacturer’s instructions. Briefly, cells in the control group were labeled with L-$^{13}C_6$-Lysine/L-$^{13}C_6{}^{15}N_4$-Arginine as “heavy” class, while those in the experimental group were labeled with L-Lysine/L-Arginine as “light” class. In each case, cells were cultured for more than 6 generations before being harvested. At least 1 passage prior to the experiment, incorporation efficiency of the heavy labeled amino acids into proteins was assessed in a pilot experiment, where a small aliquot of intracellular protein was lysed, reduced, alkylated, and trypsin digested and subjected to mass spectrometric (MS) analysis as described below. Heavy label incorporation into proteins from control (non-senescent) cells was assessed as > 99%.

For the proteomics, 24 h before harvesting, plated cells (approximately 5 × 10^8 in fifteen 150 cm2 flasks) were washed thrice with fresh FBS-free medium for 10 min at 37℃ each. The cells were then incubated in FBS-free medium (12 ml per flask) for 24 h at 37℃. At the end of the culture period, cells showed no evidence of apoptosis. Samples were prepared for MS analysis including removal of phenol red dye by buffer exchange with 50 mM Tris-Cl (pH8.0) (5 washing steps using spin columns at 5000 × g). Samples were denatured with 6M urea, reduced with 20mM DTT (30 min at 37℃), alkylated with 50 mM iodoacetamide (30 min at RT), and digested overnight at 37℃ with 1:50 enzyme:substrate ratio (wt/wt) of sequencing grade trypsin (Promega, Madison, WI) as described [2]. Following digestion, samples were acidified with formic acid and desalted using HLB Oasis SPE cartridges (Waters, Milford, MA). Protein/peptide recovery was not specifically assessed, however, the above sample preparation and digestion protocol was thoroughly assessed for reproducibility during previous optimization and reproducibility studies. Hydrophilic Interaction Liquid Chromatography (HILIC) peptide fractionation was performed on a Waters 1525 HPLC system equipped with a 4.6 × 25 mm TSK gel Amide-80 HR 5 mm column (Tosoh Bioscience, South San Francisco, CA). Samples were loaded in 80% solvent B (98% acetonitrile, 0.1% TFA) and eluted with the following gradient: 80% B for 5 min followed by 80% B to 60% B in 40 min, 0% B in 5 min at 0.5 ml/min. Solvent A consisted of 98% HPLC grade water and 0.1% TFA collecting nine fractions.

Mass spectrometry.

Samples were analyzed by reverse-phase HPLC-ESI-MS/MS using an

Eksigent Ultra Plus nano-LC 2D HPLC system (Dublin, CA) connected to a quadrupole time-of-flight TripleTOF 5600 (QqTOF) mass spectrometer (SCIEX). Typically, mass resolution for MS1 scans and corresponding precursor ions was ~35,000 (TripleTOF 5600), while resolution for MS/MS scans and resulting fragmentions (MRM-HR transitions) was ~15,000 ('high sensitivity' product ion scan mode) [3]. Briefly, after injection, peptide mixtures were transferred onto the analytical C18-nanocapillary HPLC column (C18 Acclaim PepMap100, 75 mm I.D. × 15 cm, 3 mm particle size, 100A° pore size, Dionex, Sunnyvale, CA) and eluted at a flow rate of 300 nl/min using stepwise gradients from 5% to 80% solvent B with total runtimes, including mobile phase equilibration, of 90 min. Solvent mobile phase A was 2% acetonitrile/98% of 0.1% formic acid (v/v) in water, and mobile phase B was 98% acetonitrile/2% of 0.1% formic acid (v/v) in water. Data acquisition was performed in data dependent acquisition (DDA) mode on the TripleTOF 5600 to obtain MS/MS spectra for the 30 most abundant precursor ions (50 msec per MS/MS) following each survey MS1 scan (250 msec), yielding a total cycle time of 1.8 s as described [3, 4].

Bioinformatics database searches and SILAC quantification.

MS data were searched using the database search engine ProteinPilot (SCIEX Beta 4.5, revision 1656) with the Paragon algorithm (4.5.0.0, 1654). The search parameters were set as follows: trypsin digestion, cysteine alkylation set to iodoacetamide, SILAC Quantification (Lys-6, Arg-6, no bias correction), and Homo sapiens as species. Trypsin specificity was assumed as C-terminal cleavage at lysine and arginine. Processing parameters were set to ‘‘Biological modification’’ and a thorough ID search effort was used. During the search, Protein Pilot performs an automatic mass recalibration of the datasets based on highly confident peptide spectra. Specifically, a first search iteration was done to select high confidence peptide identifications to recalibrate both the MS and MS/MS data, which was subsequently automatically re-searched. During the iterative steps of re-searching the data, the search parameters were less stringent, e.g., allowing for additional ‘missed cleavages’ (with typically not more than 2).

All data files were searched using the SwissProt (2014-01, released January 22, 2014), with a total of 40,464 human ‘reviewed’ protein sequences searched. A cut-off peptide confidence value of 99 was chosen, and a minimum of 2 identified peptides per protein was required. The Protein Pilot false discovery rate (FDR) analysis tool, the Proteomics System Performance Evaluation Pipeline (PSPEP algorithm) provided a global FDR of 1% and a local FDR at 1% in all cases. For protein quantification comparing samples of senescent (light) *versus* presenescent (heavy) cells a Protein Pilot significance threshold of < 0.05 was required (all database search results and details for peptide identifications and protein quantification are provided in Supplementary Tables 1-3).

RNA-seq and data profiling.

Total RNA samples were obtained from stromal cells. Sample quality was validated by Bioanalyzer 2100 (Agilent), and RNA was subjected to sequencing by Illumina HiSeq X10 with gene expression levels quantified by the software package RSEM (https://deweylab.github.io/RSEM/). Briefly, rRNAs in the RNA samples were eliminated using the RiboMinus Eukaryote kit (Qiagen, Valencia, CA, USA), and strand-specific RNA-seq libraries were constructed using the TruSeq Stranded Total RNA preparation kits (Illumina, San Diego, CA, USA) according to the manufacturer’s instructions before deep sequencing.

Paired-end transcriptomic reads were mapped to the reference genome (GRCh38/hg38) with reference annotation from Gencode v27 using the Bowtie tool. Duplicate reads were identified using the picard tools (1.98) script mark duplicates (https://github.com/broadinstitute/picard) and only non-duplicate reads were retained. Reference splice junctions weree provided by a reference transcriptome (Ensembl build 73). FPKM values were calculated using Cufflinks, with differential gene expression called by the Cuffdiff maximum-likelihood estimate function. Genes of significantly changed expression were defined by a false discovery rate (FDR)-corrected *P* value < 0.05. Only ensembl genes 73 of status “known” and biotype “coding” were used for downstream analysis.

Reads were trimmed using Trim Galore (v0.3.0) (http://www.bioinformatics.babraham.ac.uk/projects/trim_galore/) and quality assessed using FastQC (v0.10.0) (http://www.bioinformatics.bbsrc.ac.uk/projects/fastqc/). Differentially expressed genes were subsequently analyzed for enrichment of biological themes using the DAVID bioinformatics platform (https://david.ncifcrf.gov/), the Ingenuity Pathways Analysis (IPA) program (http://www.ingenuity.com/index.html). Raw data were preliminarily analyzed on the free online platform of Majorbio I-Sanger Cloud Platform (www.i-sanger.com), and subsequently deposited in the NCBI Gene Expression Omnibus (GEO) database under the accession code GSE128282.

Venn diagrams

Venn diagrams and associated empirical *P*-values were generated using the USeq (v7.1.2) tool IntersectLists [3]. The t-value used was 22,008, as the total number of genes of status “known” and biotype “coding” in ensembl genes 73. The number of iterations used was 1,000.

RNA-seq heatmaps

For each gene, the FPKM value was calculated based on aligned reads, using Cufflinks. Z-scores were generated from FPKMs. Hierarchical clustering was performed using the R package heatmap.2 and the distfun = “pearson” and hclustfun = “average”.

Protein–protein interaction network

Protein-protein interaction (PPI) analysis was performed with STRING 3.0. The specific proteins meeting the criteria, were imported to NetworkAnalyst (http://www.networkanalyst.ca). A minimum interaction network was chosen for further hub and module analysis.

Gene set enrichment analysis (GSEA) of RNA-seq data.

For each differential expression analysis comparison, genes were ranked using “wald statistics” obtained from DESeq2 and GSEA was performed on these ranked lists on all curated gene sets available in MSigDB (http://software.broadinstitute.org/gsea/msigdb). DESeq2 independent filtering is based on mean of normalized read counts and filters out genes with very low expression level. The SASP and GSEA signatures were derived as described before [5].

ChIP-seq and ChIP-PCR.

ChIP experiments were performed as described previously [6] and ChIP-seq libraries were generated using NEBNext Ultra II DNA library preparation kit for Illumina according to the manufacturer’s protocol. Briefly, stromal cells were grown to ~80% confluence before crosslinked in 1% formaldehyde for 10 min at room temperature. Crosslinking was quenched by addition of glycine to a final concentration of 0.15 M for 5 min at room temperature, with crosslinked cells washed with ice-cold PBS, supernatant discarded, pellets flash-frozen in liquid nitrogen and stored at -80 °C. For each sample, 20 million fixed cells were lysed to prepare nuclear extracts. After chromatin shearing by sonication, lysates were incubated overnight at 4°C with protein A Dynabeads (Invitrogen) coupled with 5 μg of antibody. After immunoprecipitation, beads were recovered using a magnet and washed, with DNA eluted, cross-links reverted at 65°C for 4 hours then purified with Qiagen Kit. DNA was quantitated using the Qubit dsDNA HS assay and a Qubit 3.0 Fluorimeter (Invitrogen). For ChIP-seq, 5 ng of purified ChIP DNA were used to generate the sequencing library using the NEBNext ChIP-seq Library Prep Master Mix Set using modified Illumina TruSeq adaptors, and sequenced with Illumina Nova Seq 6000.

ChIP-seq data analyses were performed by DIATRE Biotechnology (Shanghai, China). Adapter sequences of ChIP-seq raw reads are removed by using cutadapt (https://doi.org/10.14806/ej.17.1.200). Trimmed reads are aligned by bowtie2 using default parameters to human genome (hg38). The samtools [7] and picard (http://broadinstitute.github.io/picard) were used to sort and remove duplicated reads to avoid PCR bias from the sequencing process. Each group of libraries after the above pre-processing is down-sampled (without replacement) to a fixed number of reads. Peak calling (identification of regions of ChIP-seq enrichment over background) was performed using MACS2 with parameters of ‘‘-extsize=146-nomodel’’, while the sonicated input served as a control and an initial threshold q-value of 0.01 was used as cutoff. The ‘‘broad peak’’ option is on when identifying binding regions of H3K9me3 and H3K36me3. Visualization of read count data was performed by converting raw bam files to bigwig files using IGV tools [8]. BETA or ChIP seeker was used to analyze expression data and binding data. Basic characteristics and QC of ChIP-seq libraries are available in Supplementary Tables 12-15.

Chromosomal positions were annotated according to the RefSeq database. In our annotation, a TSS region was defined as ±1 kb relative to the TSS. For density plots, we generated bigwig files allowing only one read per chromosomal position, eliminating potential spurious spikes. Each remaining read was extended from its 5′ end to a total length of 250 bases. Each bigwig file was also scaled to TPM (tags per million) based on the number of unique read positions. For density plots, the regions of ±5 kb for all annotated TSSs were divided into 100 equal-sized bins. All peaks with FDR greater than 5% were excluded from further analysis, with uniquely mapped reads used to generate the genome-wide intensity profiles. HOMER was employed to annotate peaks, to calculate overlaps between different peak files, and for motif searches. The genomic features (promoter, TSS, TES, exon, intron, 5‘ UTR, 3‘ UTR, and intergenic regions) were defined and calculated using Refseq and HOMER.

For ChIP-PCR, 10^7 cells were used per immunoprecipitation. The protein-chromatin complexes were purified by immunoaffinity captured by magnetic beads (Thermo Fisher Scientific), with the enriched DNA subjected to qPCR.

Briefly, immunoprecipitated chromatin complexes were eluted by DTT containing elution Buffer (10 mM DTT, 0.2% SDS in 1 × TE buffer) for 30 min at 37°C and then were further diluted 20-fold in a dilution buffer (10 mM Tris–HCl, pH8.0, 1 mM EDTA, 0.5 M EGTA, 100 mM NaCl, 1% Triton X-100 and protease inhibitor cocktail (Roche)), with DNA in the IP quantified by qPCR assays. The antibody used in ChIP-PCR was anti-KDM4A (abcam, # ab24545), with primers designed to amplify distal promoter regions (within -4kb TSS) of SASP hallmark factors or specified genes (sequences listed in Supplementary Table 16).

References

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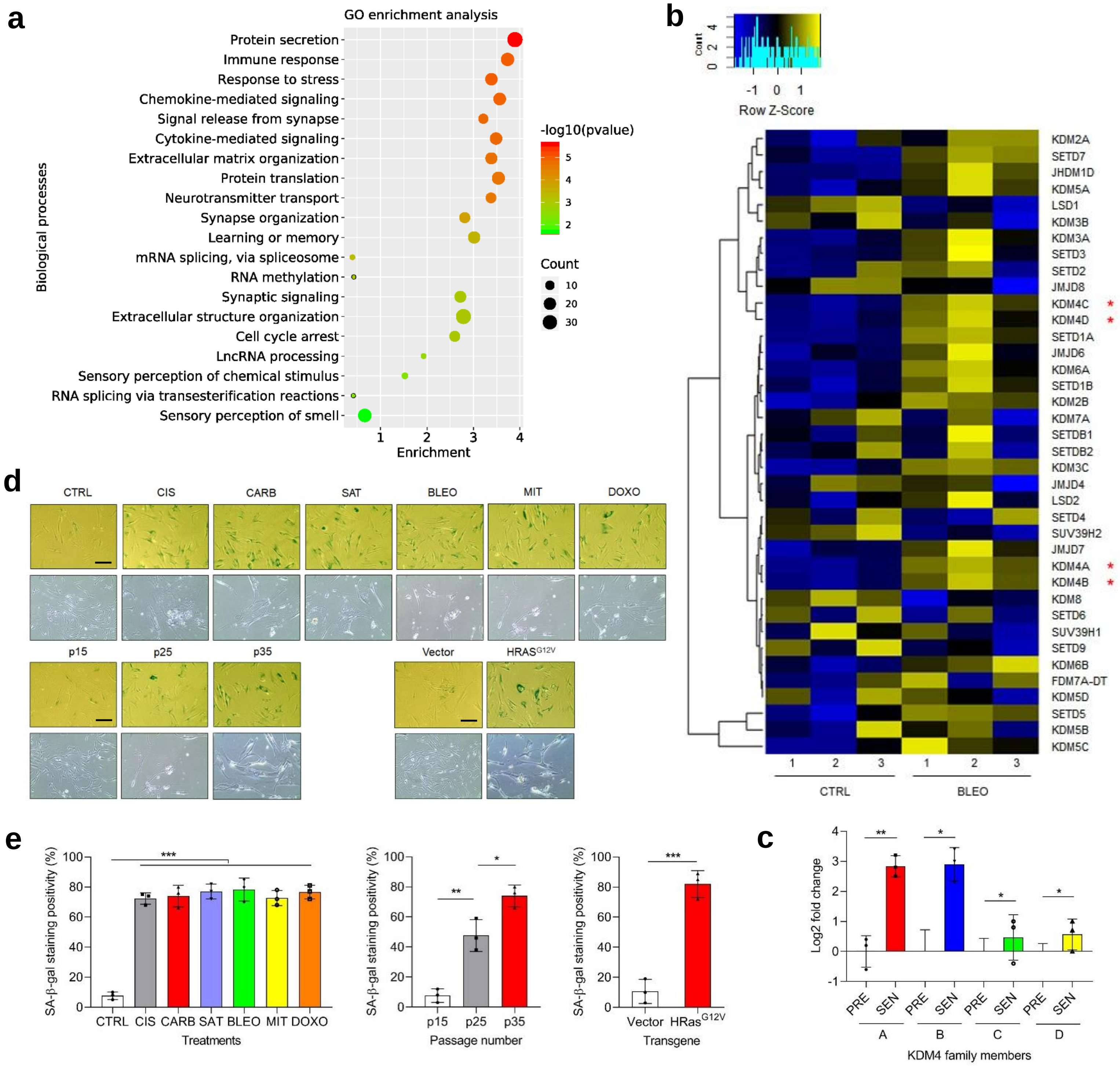
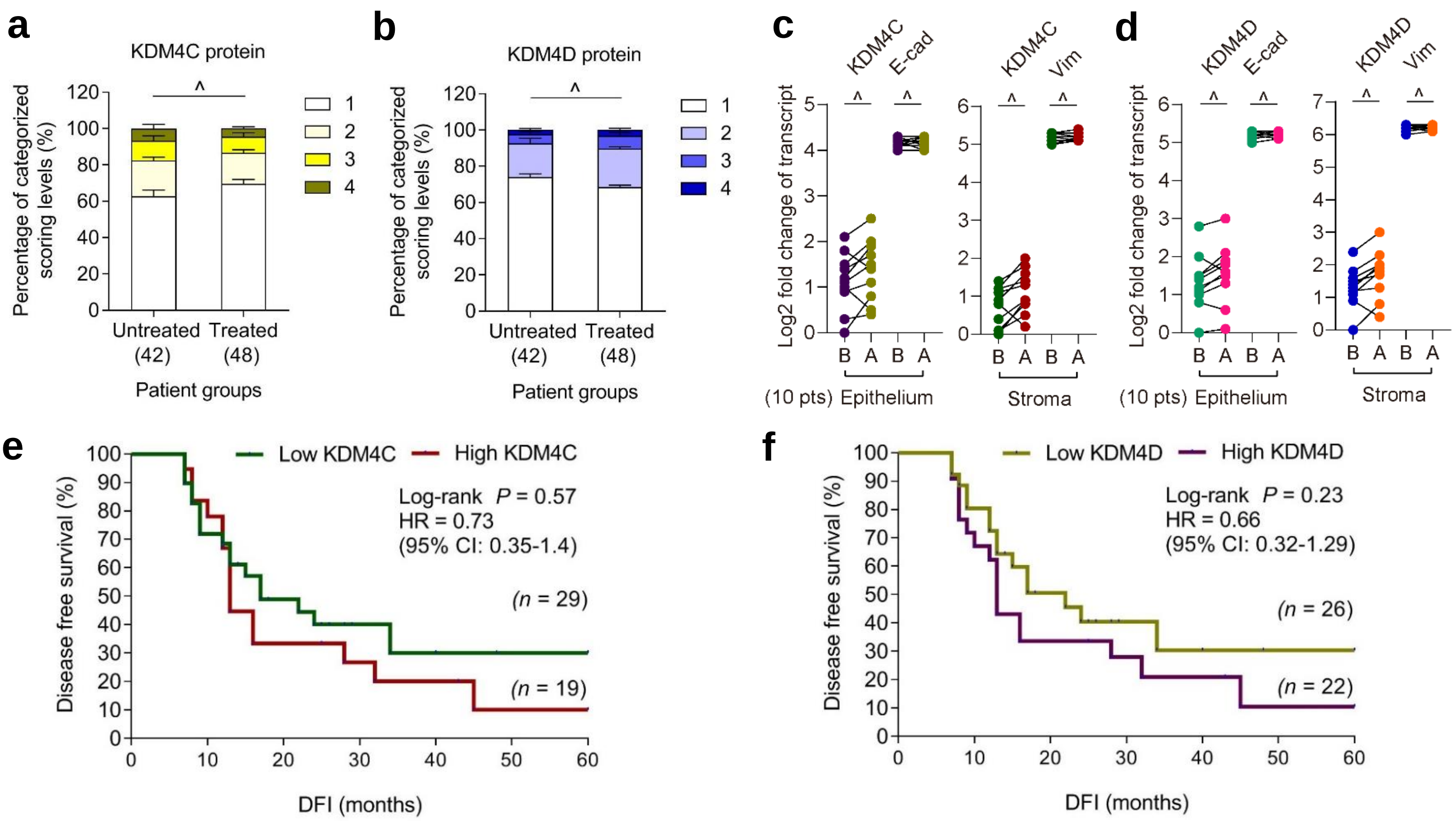
Supplementary Fig. 1



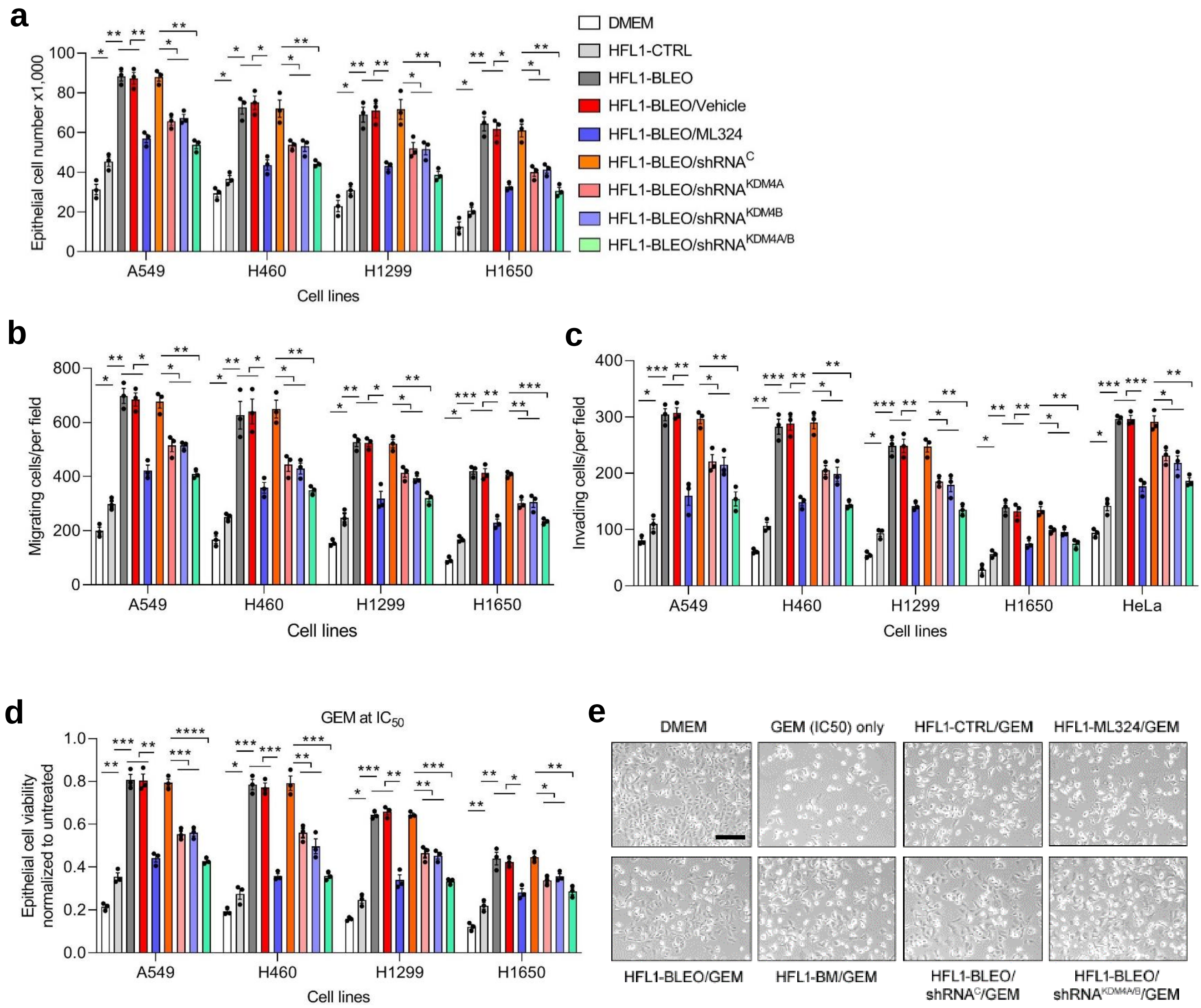
Supplementary Fig. 1. Expression of KDM4 family is significantly upregulated in senescent cells in parallel to SASP development. a, GO enrichment profiling of upregulated genes in PSC27 cells upon genotoxicity (bleomycin)-induced senescence. **b**, Heatmap displaying genes correlated with histone methylation and significantly upregulated in senescent cells. CTRL, control. BLEO, bleomycin. Genes are listed by their expression fold change in CTRL *versus* BLEO cells. **c**, Comparative transcript assay of KDM4 subfamily members (A/B/C/D) in presenescent (PRE) *versus* senescent (SEN) stromal cells. Signals were normalized to the PRE samples *per* gene. **d**, Representative SA-β-Gal staining images of PSC27 cells upon therapy-induced senescence (TIS), replicative senescence (RS) or oncogene-induced senescence (OIS). Scale bars, 20 μm. **e**, Comparative statistics of SA-β-Gal staining-based quantification of senescentPSC27 cells. Data organized for cases of TIS, RS or OIS. Data in all bar plots are shown as mean ± SD and representative of 3 biological replicates. **c** and **e**, *P* values were determined by two-sided unpaired *t*-test, and adjusted for multiple comparisons. Data in **d** are representative of 3 biological replicates. ^, $P > 0.05$. *, $P < 0.05$. **, $P < 0.01$.

Supplementary Fig. 2



Supplementary Fig. 2. *In vivo* expression of KDM4C/D in human prostate cancer patients and corresponding clinical relevance. **a**, Pathological assessment of stromal KDM4C expression in PCa samples (42 untreated *versus* 48 treated). In each group, patients were pathologically assigned into 4 categories *per* IHC staining intensity of KDM4C in stroma. 1, negative; 2, weak; 3, moderate; 4, strong expression. **b**, Pathological assessment of stromal KDM4D expression in PCa samples (42 untreated *versus* 48 treated). In each group, patients were pathologically assigned into 4 categories *per* IHC staining intensity of KDM4D in tumor stroma. 1, negative; 2, weak; 3, moderate; 4, strong expression. **c**, Comparative analysis of KDM4C expression. Data were organized for epithelial and stromal cells, respectively, after laser capture microdissection (LCM) of either cell lineage followed by quantitative analysis. Each dot represents an individual patient, with the data of "before" and "after" connected to allow direct profiling of KDM4C expression in the same individual patient. Data were normalized to the lowest value of KDM4C *per* cell lineage. **d**, Comparative analysis of KDM4D expression in a strategy similar to that described for (**c**) panel. **e**, Kaplan-Meier analysis of PCa patients. Disease-free survival (DFS) stratified according to KDM4C expression (low, average score < 2, dark green line, n = 29; high, average score ≥ 2, dark red line, n = 19). DFS represents the length of period from the date of PCa diagnosis to the point of first disease relapse. Survival curves generated according to the Kaplan-Meier method, with *P* value calculated using a two-sided log-rank (Mantel-Cox) test. **f**, Kaplan-Meier analysis of PCa patients. DFS stratified according to KDM4D expression (low, average score < 2, Kelly line, n = 26; high, average score ≥ 2, purple line, n = 22). Survival curves generated according to the Kaplan–Meier method as described for (**e**) panel. Data in all bar plots are shown as mean ± SD and representative of 3 biological replicates. **a** and **b**, *P* values were determined by two-way ANOVA with Bonferroni's post-hoc test. **c** and **d**, *P* values were determined by two-sided unpaired *t*-test. ^, *P* > 0.05.

Supplementary Fig. 3



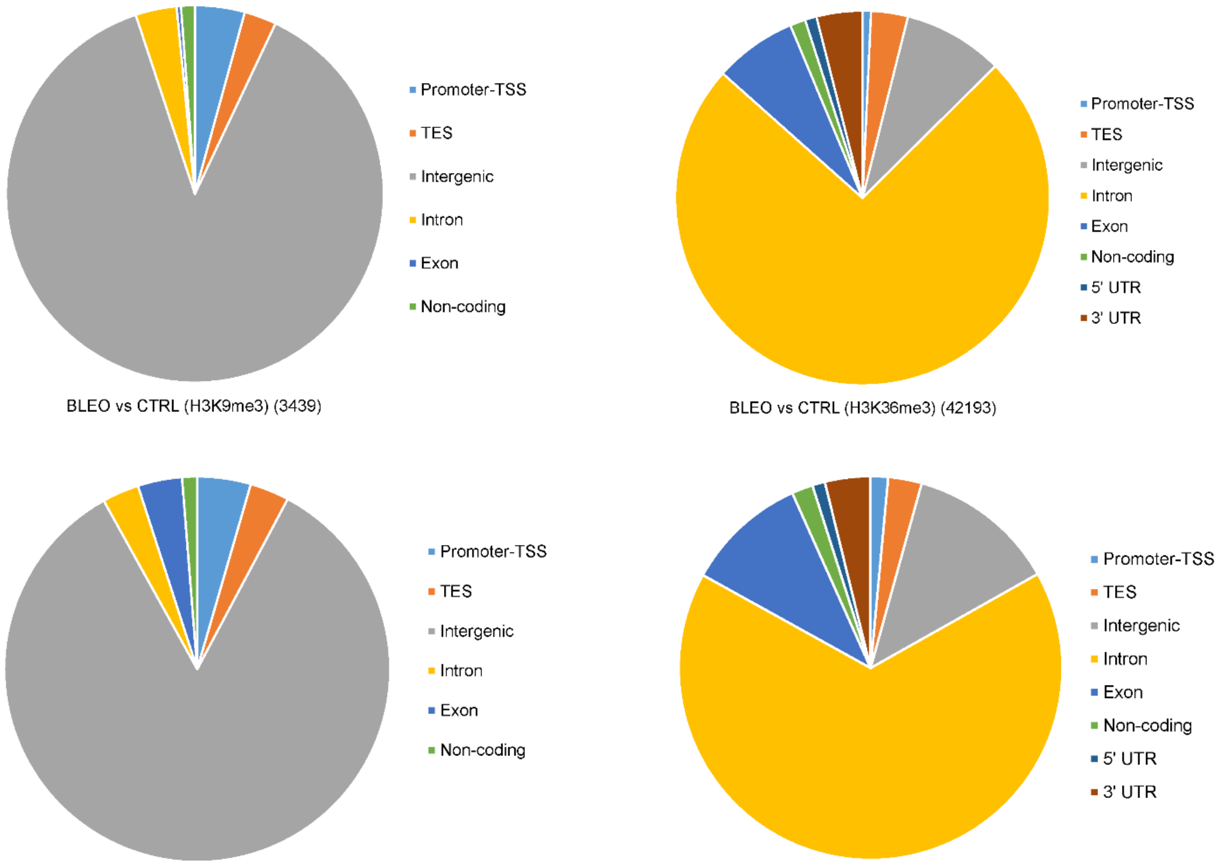
Supplementary Fig. 3. Targeting KDM4 restrains lung cancer malignancy conferred by senescent fibroblasts. a, Measurement of *in vitro* proliferation of human lung cancer (LCa) cells after exposure to the conditioned media (CM) of lung fibroblasts (HFL1) treated by BLEO, ML324 or both, or transduced with individual shRNAs to deplete KDM4A/B. DMEM, routine media for LCa cell culture supplemented with 10% FBS. **b**, Assessment of *in vitro* migration of LCa cells after exposure to the CM of lung fibroblasts treated as described in (**a**). **c**, Evaluation of *in vitro* invasion of LCa cells after exposure to the CM of lung fibroblasts treated as described for (**a**) panel. **d**, Chemoresistance of LCa cells to the chemotherapeutic agent gemcitabine (GEM) provided at the predetermined IC50 value of individual LCa cell lines upon culture with the CM described for (**a**) panel. **e**, Representative images of A549 cells upon treatment with the CM as described in (**a**). BM, BLEO/ML324. Scale bar, 200 μm. Data are shown as mean ± SD and representative of 3 independent experiments. **a**-**d**, P values were determined by two-sided unpaired t-test, and adjusted for multiple comparisons. Data in **e** are representative of 3 biological replicates. ^, $P > 0.05$. *, $P < 0.05$. **, $P < 0.01$. *** $P < 0.001$. ****$P < 0.0001$.

Supplementary Fig. 4

a

Sample	Peak distribution and number								
	Promoter-TSS	TES	Intergenic	Intron	Exon	Non-coding	5' UTR	3' UTR	Total
CTRL-H3K9me3	128	220	36661	12212	319	147	5	132	49824
CTRL-H3K36me3	474	2141	5783	58751	3936	1013	93	2520	74711
BLEO-H3K9me3	70	112	14454	3686	266	80	7	101	18776
BLEO-H3K36me3	278	1173	2102	29929	2735	388	42	1523	38170
BM-H3K9me3	328	278	30645	12011	444	215	25	198	44144
BM-H3K36me3	541	2197	4157	65694	3719	1017	84	2526	79935

b



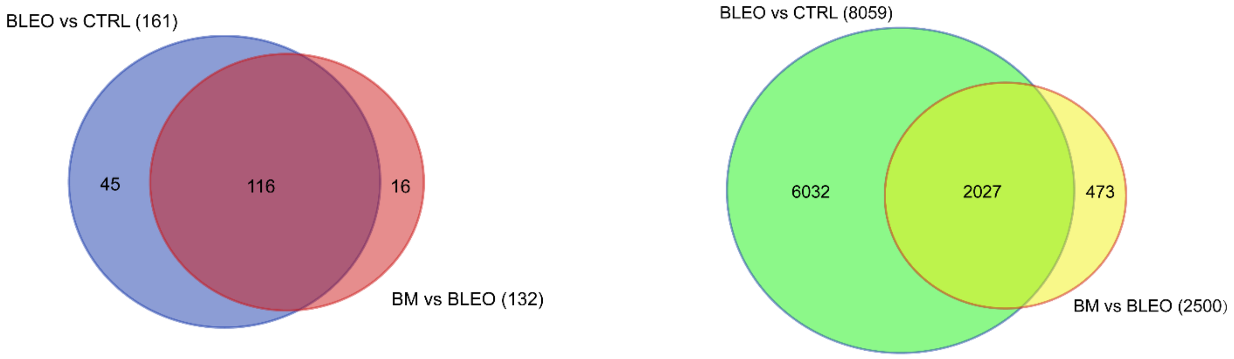
BLEO vs CTRL (H3K9me3) (3439)

BLEO vs CTRL (H3K36me3) (42193)

BM vs BLEO (H3K9me3) (2671)

BM vs BLEO (H3K36me3) (3773)

c

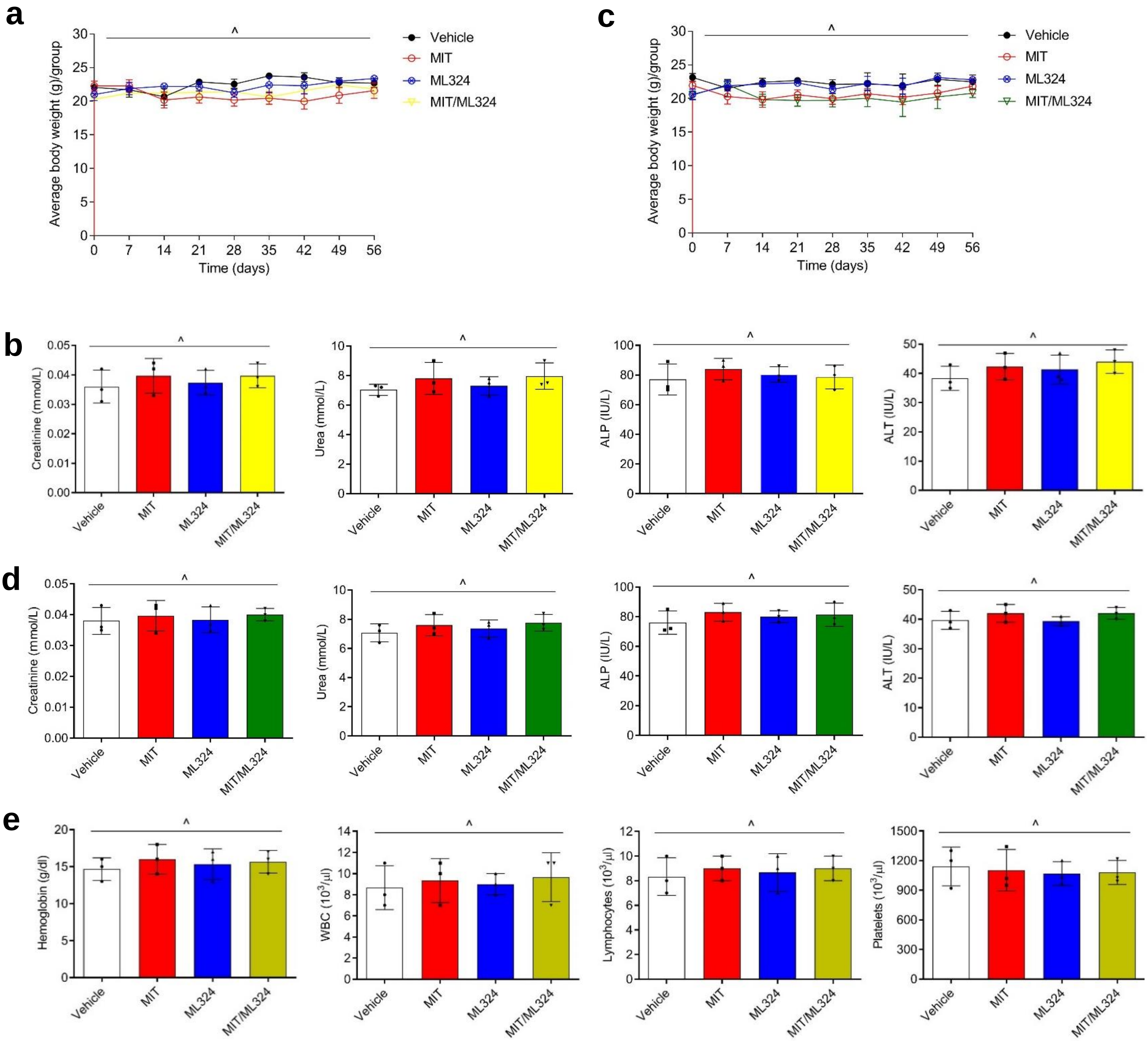


Differentially associated genes of H3K9me3

Differentially associated genes of H3K36me3

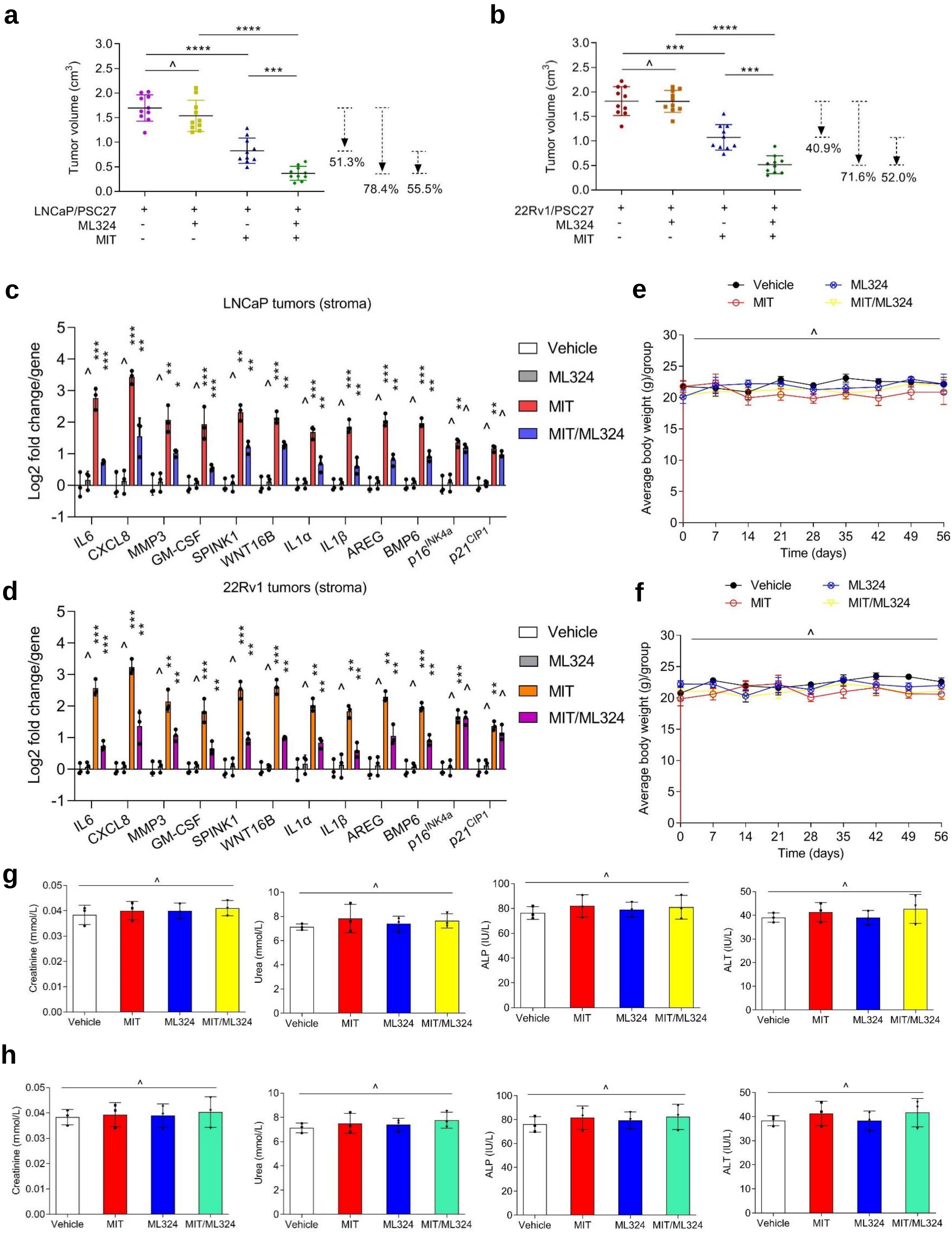
Supplementary Fig. 4. ChIP-seq mapping of H3K9m3 and H3K36me3 in human stromal cells (PSC27). a, Summary statistics of H3K9me3- and H3K36me3-specific peaks and their distribution across human genome. TSS, transcription start site. TES, transcription end site. BM, BLEO/ML324 co-treatment. **b**, Pie diagrams showing the distribution of differentially mapped H3K9me3 and H3K36me3 peaks between experimental conditions. BLEO vs CTRL, differential peaks of BLEO in contrast to those of CTRL. BM vs BLEO, differential peaks of BM in contrast to those of BLEO. The number of net peaks are indicated *per* comparative analysis. c, Venn diagrams displaying the number of genes that have regulatory regions containing binding sites for H3K9me3 or H3K36me3, and differentially mapped between conditions. Left, H3K9me3-associated genes down in ‘BLEO vs CTRL’ but up in ‘BM vs BLEO’. Right, H3K36me3-associated genes up in ‘BLEO vs CTRL’ but down in ‘BM vs BLEO’. The number of genes are shown *per* case.

Supplementary Fig. 5



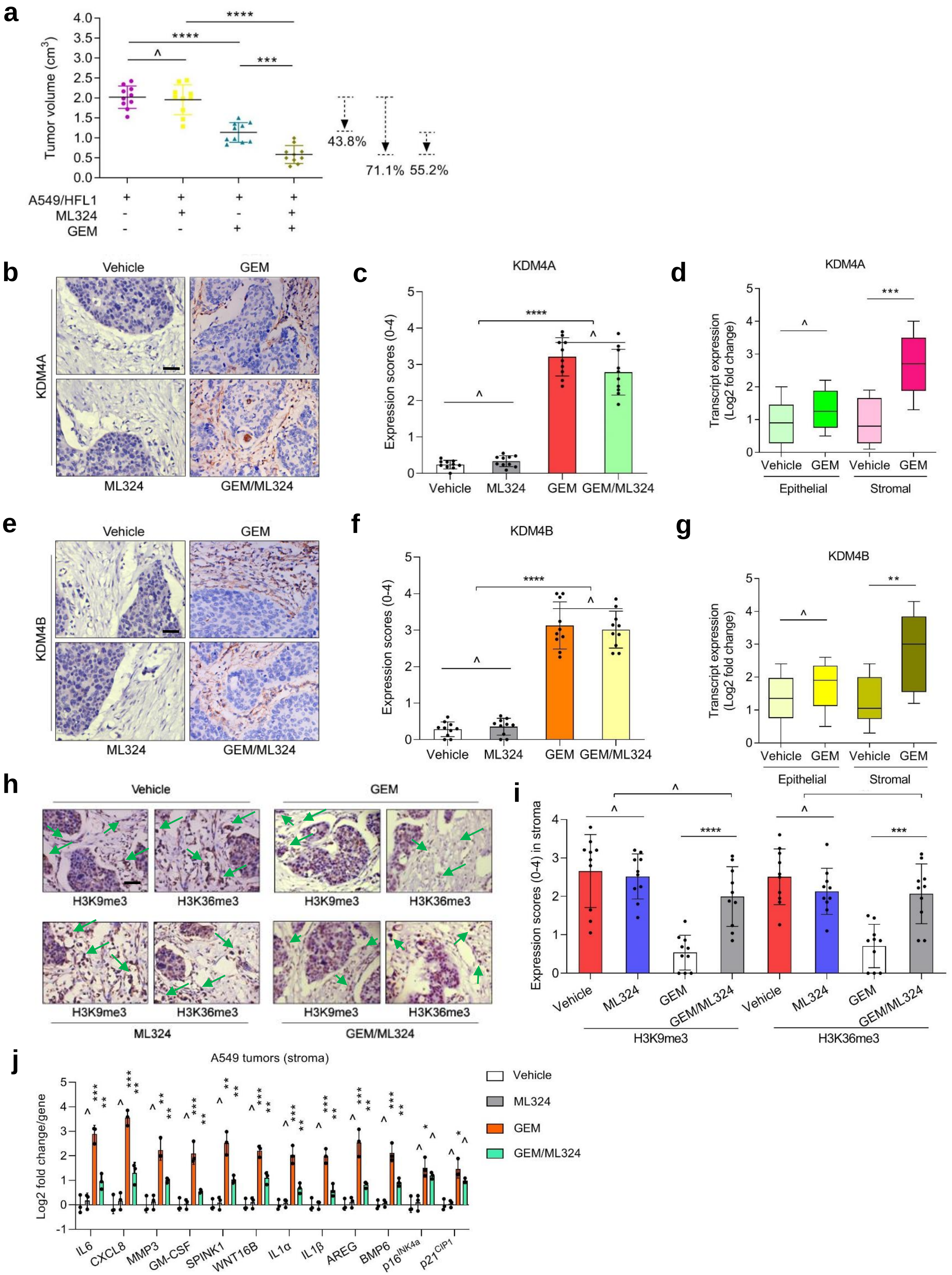
Supplementary Fig. 5. Pathophysiological evaluation of treatment effects on body weight and functional integrity of key organs. a, Mouse body weight determination performed on a weekly basis for immunodeficient mice. **b**, Serum measurement of creatinine, urea, alkaline phosphatase (ALP), and alanine aminotransferase (ALT) with terminal bleeds (cardiac punctures) taken at the end of therapeutic regimens. **c**, Mouse body weight determination performed on a weekly basis for immunocompetent mice (C57BL/6 strain). **d**, Serum measurement of creatinine, urea, alkaline phosphatase (ALP), and alanine aminotransferase (ALT) with terminal bleeds (cardiac punctures) taken at the end of therapeutic regimens for immunocompetent mice. **e**, Routine analysis of peripheral blood. The circulating levels of hemoglobin, white blood cells, lymphocytes and platelets at the end of each therapeutic regimen were assessed for C57BL/6 mice. Data are shown as mean ± SD and representative of 3 independent experiments. MIT, mitoxantrone. WBC, white blood count. For all pathophysiological assays, n = 3 per treatment arm. **a**-**e**, *P* values were determined by two-sided unpaired *t*-test, and adjusted for multiple comparisons. ^, $P > 0.05$.

Supplementary Fig. 6



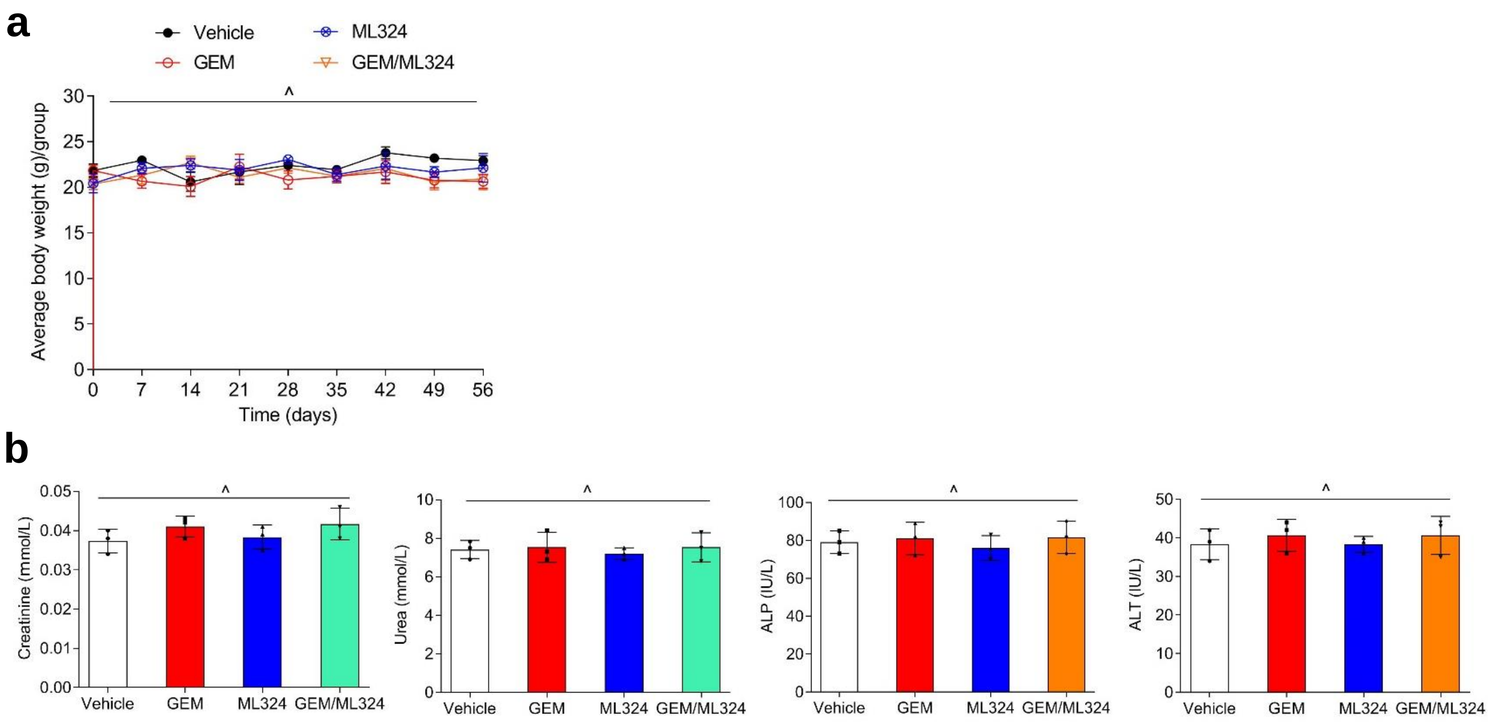
Supplementary Fig. 6. Tumor measurement, *in vivo* SASP expression, and pathophysiological assessment of animals bearing LNCaP/PSC27 or 22Rv1/PSC27 tumors. a, Comparison of tumor sizes at the end of preclinical treatment. Mice were implanted with androgen receptor (AR)-positive and hormone responsive LNCaP cells that were combined with PSC27 stromal cells, and experienced MIT and/or ML324-involving regimens. **b**, Similar comparison at described in (**a**), except that 22Rv1 cells were applied as an AR-positive and hormone-refractory PCa line for tumor xenografting. **c**, Quantitative transcript assay of SASP factors and senescence markers expressed in experimental LNCaP/PSC27 mice as described in (**a**). **d**, Quantitative transcript assay of SASP factors and senescence markers expressed in experimental 22Rv1/PSC27 mice as described in (**b**). **e**, Body weight measurement of LNCaP/PSC27 mice as described in (**a**). **f**, Body weight measurement of 22Rv1/PSC27 mice as described in (**b**). **g**, Serum measurement of creatinine, urea, alkaline phosphatase (ALP), and alanine aminotransferase (ALT) with terminal bleeds (cardiac punctures) taken at the end of therapeutic regimens for LNCaP/PSC27 animals. **h.** Serum analysis of creatinine, urea, alkaline phosphatase (ALP), and alanine aminotransferase (ALT) with terminal bleeds (cardiac punctures) taken at the end of therapeutic regimens for 22Rv1/PSC27 animals. Data are shown as mean ± SD and representative of 3 independent experiments. MIT, mitoxantrone. WBC, white blood count. For assays of (**a**), (**b**), (**e**) and (**f**), n = 10 per treatment arm. For tests of (**c**), (**d**), (**g**) and (**h**), n = 3 per group. **a**-**h**, P values were determined by two-sided unpaired *t*-test, and adjusted for multiple comparisons. ^, $P > 0.05$. *, $P < 0.05$. **, $P < 0.01$. *** $P < 0.001$. **** $P < 0.0001$.

Supplementary Fig. 7



Supplementary Fig. 7. Tumor measurement, *in vivo* expression of KDM4A/B, H3K9me3/H3K36me3 and the SASP in animals bearing A549/HFL1 tumors. a, Comparison of tumor sizes at the end of preclinical treatment. Mice were implanted with human lung adenocarcinoma cells (A549) that were combined with HFL1 lung fibroblasts, and experienced gemcitabine (GEM) and/or ML324-mediated regimens. **b**, Pathological examination of KDM4A in lung tumors by IHC staining after mouse dissection. Scale bar, 50 µm. **c**, Pathological scoring (in the range of 1-4, averaged from 3 independent readings/animal) of KDM4A expressed in fibroblasts isolated from mouse tumors via LCM. **d**, Comparative analysis of KDM4A expressed in epithelial cancer cells *versus* fibroblasts in tumor foci of animals experiencing different treatments. Cells were acquired from LCM-mediated isolation post tissue process. Signals normalized to the lowest value of cancer epithelial vehicle group. Median, 25th and 75th percentiles, with Turkey whispers indicated in box-and-whisker plots. **e**, Pathological examination of KDM4B in lung tumors by IHC staining after mouse dissection. Scale bar, 50 µm. **f**, Pathological scoring (in the range of 1-4, averaged from 3 independent readings/animal) of KDM4B expressed in fibroblasts isolated from mouse tumors via LCM. **g**, Comparative analysis of KDM4B expressed in epithelial cancer cells and fibroblasts in tumor foci. Cells were acquired from LCM-mediated isolation post tissue process. Signals normalized to the lowest value of cancer epithelial vehicle group. Median, 25th and 75th percentiles, with Turkey whispers indicated in box-and-whisker plots. **h**, Pathological examination of H3K9me3 and H3K36me3 in lung tumors by IHC staining after mouse dissection. Scale bar, 100 µm. Green arrows, representative stromal cells. **i**, Comparative statistics of H3K9me3 and H3K36me3 pathological scores (in a range of 1-4, averaged from 3 independent readings/animal) in lung tumors. **j**, Quantitative transcript assay of SASP factors and senescence markers expressed in experimental A549/HFL1 mice that experienced treatments as described in (**a**). Data are shown as mean ± SD and representative of 3 independent experiments. **a**, **c**, **d**, **f**, **g**, **i**, **j**, *P* values were determined by two-sided unpaired *t*-test, and adjusted for multiple comparisons. Data in **b**, **e**, **h** are representative of 3 biological replicates. ^, $P > 0.05$. *, $P < 0.05$. **, $P < 0.01$. *** $P < 0.001$. **** $P < 0.0001$. N = 10/group.

Supplementary Fig. 8



Supplementary Fig. 8. Pathophysiological evaluation of treatment effects on body weight and functional integrity of key organs of A549/HFL1 mice. Related to Fig. 7. a, Mouse body weight determination performed on a weekly basis for immunodeficient mice carrying A549/HFL1 tumors. b, Serum measurement of creatinine, urea, alkaline phosphatase (ALP), and alanine aminotransferase (ALT) with terminal bleeds (cardiac punctures) taken at the end of therapeutic regimens for A549/HFL1 animals. Data are shown as mean ± SD and representative of 3 independent experiments. GEM, gemcitabine. For all assays, n = 3 per treatment arm. **a**-**b**, *P* values were determined by two-sided unpaired *t*-test, and adjusted for multiple comparisons. ^, $P > 0.05$.

Supplementary Information

Supplementary Table 1. Mass spectrometric profiling of senescent cell proteomics.

A. MS/MS spectrum database search analysis summary

Total spectrums	Matched spectrums	Peptides	Unique peptides	Identified proteins	Quantifiable proteins
16495	7694 (46.6%)	4110	3803	732	447

B. Differentially expressed protein summary
(Filtered with threshold value of expression fold change and *P* value < 0.05)

Compare group	Regulated type	fold change >1.2	fold change >1.3	fold change >1.5	fold change >2
SEN/CTRL	up-regulated	218	194	156	87
	down-regulated	125	106	79	29

Supplementary Information

Supplementary Table 2. Intracellular proteins identified by mass spectrometry.

Protein accession	Gene name	MW [kDa]	Score	Coverage [%]	#Peptides	#PSMs	#Unique peptide	CTRL	SEN	SEN/CTRL Ratio	Subcellular localization	KEGG KO No.	KOG category	KOG NO.	KOG description
P04179	SOD2	24.75	39.431	31.1	5	8	5	8451300	3.25E+08	13.124	mitochondria	K04564	P	KOG0876	Manganese superoxide dismutase
P53007	SLC25A1	34.012	17.126	11.6	3	3	3	6521900	1.06E+08	7.788	plasma membrane	K15100	C	KOG0756	Mitochondrial tricarboxylate/dicarboxylate carrier proteins
P24844	MYL9	19.827	38.661	56.4	11	30	3	19644000	7.47E+08	7.272	mitochondria	K12755	Z	KOG0031	Myosin regulatory light chain, EF-Hand protein superfamily
O00479	HMGN4	9.5388	13.977	16.7	2	3	2	54708000	2.29E+08	5.207	nucleus	K11302			
O00159	MYO1C	121.68	293.12	42.2	34	43	34	2.29E+08	3.93E+09	4.574	cytoplasm	K10356	Z	KOG0164	Myosin class I heavy chain
Q9H4G4	GLIPR2	17.218	20.284	37	3	3	3	22738000	1.3E+08	4.032	cytoplasm		S	KOG3017	Defense-related protein containing SCP domain
P25705	ATP5F1A	59.75	152.64	38	15	19	15	1.33E+08	1.5E+09	3.877	mitochondria	K02132	C	KOG1353	F0F1-type ATP synthase, alpha subunit
P80723	BASP1	22.693	88.605	75.3	11	15	11	1.93E+08	1.47E+09	3.766	nucleus	K17272			
P08582	MELTF	80.214	138.98	40.4	16	22	16	54881000	1.22E+09	3.725	extracellular	K06569			
Q8NBQ5	HSD17B11	32.935	93.938	45	10	14	10	57261000	5.51E+08	3.637	endoplasmic reticulum		Q	KOG1201	Hydroxysteroid 17-beta dehydrogenase 11
P48047	ATP5O	23.277	22.969	17.4	3	4	3	19552000	1.1E+08	3.591	mitochondria	K02137	C	KOG1662	Mitochondrial F1F0-ATP synthase, subunit OSCP/ATP5
P21589	NT5E	63.367	103.23	38.7	14	19	14	99343000	8.05E+08	3.55	peroxisome	K19970	F	KOG4419	5' nucleotidase
P27824	CANX	67.567	24.663	12.3	4	5	4	15641000	1.22E+08	3.534	endoplasmic reticulu	K08054	O	KOG0675	Calnexin
P02545	LMNA	74.139	176.93	45.2	20	23	20	88713000	9.26E+08	3.529	nucleus	K12641	DY	KOG0977	Nuclear envelope protein lamin, intermediate filament superfamily
P52926	HMGA2	11.832	31.678	40.4	3	5	3	16460000	1.07E+08	3.524	nucleus	K09283			
Q56VL3	OCIAD2	16.953	36.745	43.5	5	5	5	19218000	2.44E+08	3.498	extracellular				
P06576	ATP5F1B	56.559	248.4	68.8	22	33	22	4.87E+08	4.34E+09	3.378	mitochondria	K02133	C	KOG1350	F0F1-type ATP synthase, beta subunit
P30838	ALDH3A1	50.394	58.004	24.3	7	10	7	1.01E+08	3.29E+08	3.296	mitochondria	K00129	C	KOG2456	Aldehyde dehydrogenase
P56385	ATP5ME	7.9331	23.651	52.2	4	4	4	9839500	1.13E+08	3.254	mitochondria	K02129	C	KOG4326	Mitochondrial F1F0-ATP synthase, subunit e
Q96N66	MBOAT7	52.764	28.204	10.8	3	3	3	12169000	1.16E+08	3.244	plasma membrane	K13516	S	KOG2706	Predicted membrane protein
P09493	TPM1	32.708	323.31	53.2	27	37	9	9.32E+08	9.19E+09	3.19	cytoplasm	K10373			
P09525	ANXA4	35.882	72.36	28.8	7	7	7	54065000	4.89E+08	3.18	cytoplasm	K17093	U	KOG0819	Annexin
P47755	CAPZA2	32.949	35.751	30.4	5	6	4	40361000	2.26E+08	3.176	cytoplasm	K10364	Z	KOG0836	F-actin capping protein, alpha subunit
P07858	CTSB	37.821	45.797	25.1	5	6	5	16233000	1.97E+08	3.153	extracellular	K01363	O	KOG1543	Cysteine proteinase Cathepsin L
P67936	TPM4	28.521	119.29	66.1	21	19	10	1.74E+08	1.72E+09	3.068	cytoplasm	K10375			
P04792	HSPB1	22.782	56.634	57.6	8	12	8	76335000	7.93E+08	3.047	nucleus	K04455	O	KOG3591	Alpha crystallins
Q16795	NDUFA9	42.509	31.695	17	5	5	5	18465000	1.28E+08	3.003	mitochondria	K03953	C	KOG2865	NADH:ubiquinone oxidoreductase, NDUFA9/39kDa subunit
Q9UM54	MYO6	149.69	116.21	20.4	15	18	15	36694000	8.46E+08	2.984	cytoplasm	K10358	Z	KOG0163	Myosin class VI heavy chain
P60903	S100A10	11.203	17.953	35.1	2	5	2	61356000	5.37E+08	2.952	cytoplasm	K17274			
Q9Y608	LRRFIP2	82.17	18.271	6.8	2	3	2	10794000	1.41E+08	2.924	nucleus		R	KOG2010	Double stranded RNA binding protein
Q6NZI2	CAVIN1	43.476	68.981	24.4	6	8	6	20151000	1.7E+08	2.922	nucleus	K19387			
P06753	TPM3	32.95	77.878	46.3	24	28	7	1.5E+08	1.41E+09	2.875	cytoplasm	K09290	Z	KOG1003	Actin filament-coating protein tropomyosin
Q9Y4I1	MYO5A	215.4	149	15	19	22	19	86320000	7.27E+08	2.853	cytoplasm	K10357	Z	KOG0161	Myosin class II heavy chain
Q9P0K7	RAI14	110.04	323.31	50.3	34	45	34	3.51E+08	2.35E+09	2.767	nucleus				
P39656	DDOST	50.8	46.385	20.6	6	6	6	24268000	2.9E+08	2.724	plasma membrane	K12670	O	KOG2754	Oligosaccharyltransferase, beta subunit
P56134	ATP5J2	10.918	16.065	25.5	2	2	2	9911200	1.17E+08	2.709	cytoplasm	K02130	C	KOG4092	Mitochondrial F1F0-ATP synthase, subunit f
Q14257	RCN2	36.876	11.758	11	2	2	2	10436000	44429000	2.703	extracellular		TU	KOG4223	Reticulocalbin, calumenin, DNA supercoiling factor, and related Ca2+-binding proteins of the CREC family (EF-Hand protein superfamily)
Q15165	PON2	39.38	42.55	35	5	5	5	12239000	1.7E+08	2.7	extracellular	K01045			
P13987	CD59	14.177	38.046	25.8	5	7	5	31798000	2.08E+08	2.678	extracellular	K04008			
P51608	MECP2	52.44	67.069	24.7	9	10	9	40833000	3.08E+08	2.665	nucleus	K11588	KB	KOG4161	Methyl-CpG binding transcription regulators
P23141	CES1	62.52	35.558	12.3	5	7	5	13822000	1.78E+08	2.661	extracellular	K01044	R	KOG1516	Carboxylesterase and related proteins
Q6WCQ1	MPRIP	116.53	323.31	40.7	32	40	32	5.72E+08	2.44E+09	2.643	nucleus		Z	KOG4807	F-actin binding protein, regulates actin cytoskeletal organization
P36957	DLST	48.755	39.504	18.1	5	5	5	20952000	1.17E+08	2.621	mitochondria	K00658	C	KOG0559	Dihydrolipoamide succinyltransferase (2-oxoglutarate dehydrogenase, E2 subunit)
P04843	RPN1	68.569	41.954	14.7	6	6	6	18973000	1.15E+08	2.613	endoplasmic reticulu	K12666	O	KOG2291	Oligosaccharyltransferase, alpha subunit (ribophorin I)
P10301	RRAS	23.48	29.383	28.4	4	4	4	16909000	1.31E+08	2.584	nucleus	K07829	R	KOG0395	Ras-related GTPase

P18206	VCL	123.8	32.739	8.9	5	5	5	11979000	1.14E+08	2.561	cytoplasm	K05700	W	KOG3681	Alpha-catenin
P11233	RALA	23.567	28.725	25.2	4	4	4	6799500	87280000	2.553	cytoplasm	K07834	R	KOG0395	Ras-related GTPase
Q13045	FLII	144.75	32.266	5.1	5	5	5	12253000	86182000	2.544	cytoplasm		Z	KOG0444	Cytoskeletal regulator Flightless-I (contains leucine-rich and gelsolin repeats)
O60506	SYNCRIP	69.602	53.512	22.2	8	9	6	82070000	2.82E+08	2.535	nucleus	K13160	A	KOG0117	Heterogeneous nuclear ribonucleoprotein R (RRM superfamily)
P21333	FLNA	280.74	323.31	36.4	56	75	54	7.97E+08	4.37E+09	2.534	cytoplasm	K04437	Z	KOG0518	Actin-binding cytoskeleton protein, filamin
O75368	SH3BGRL	12.774	47.672	60.5	5	7	5	44555000	2.6E+08	2.512	mitochondria		S	KOG4023	Uncharacterized conserved protein
P09936	UCHL1	24.824	47.314	32.3	4	5	4	37857000	2.45E+08	2.473	cytoplasm	K05611	O	KOG1415	Ubiquitin C-terminal hydrolase UCHL1
Q9P0M6	H2AFY2	40.058	92.939	52.2	13	16	11	75946000	3.21E+08	2.443	mitochondria	K11251	BK	KOG2633	Hismacro and SEC14 domain-containing proteins
Q9H9B4	SFXN1	35.619	7.1511	12.1	2	3	1	13476000	49510000	2.398	cytoplasm		R	KOG3767	Sideroflexin
O15231	ZNF185	73.525	33.738	10.4	5	5	5	15110000	1.46E+08	2.389	cytoplasm,nucleus				
O00151	PDLIM1	36.071	53.529	46.5	7	7	7	4.29E+08	2.26E+08	2.379	cytoplasm		TZ	KOG1703	Adaptor protein Enigma and related PDZ-LIM proteins
P21980	TGM2	77.328	35.084	13.4	5	5	5	18150000	91747000	2.352	cytoplasm	K05625			
O75947	ATP5H	18.491	25.399	37.3	4	5	4	20152000	2.08E+08	2.344	cytoplasm	K02138	C	KOG3366	Mitochondrial F1F0-ATP synthase, subunit d/ATP7
P46821	MAP1B	270.63	20.901	1.7	3	3	3	10930000	62882000	2.328	nucleus	K10429	Z	KOG3592	Microtubule-associated proteins
P42330	AKR1C3	36.853	71.259	45.8	9	9	6	42453000	2.33E+08	2.322	cytoplasm	K04119	R	KOG1577	Aldo/keto reductase family proteins
P63000	RAC1	21.45	29.252	25	4	7	4	38019000	2.81E+08	2.303	cytoplasm	K04392			
O43795	MYO1B	131.98	299.66	36.4	32	46	32	3.26E+09	3.91E+09	2.3	cytoplasm	K10356	Z	KOG0164	Myosin class I heavy chain
O75369	FLNB	278.16	153.87	14.3	23	23	21	1.7E+08	4.45E+08	2.289	cytoplasm,nucleus	K04437	Z	KOG0518	Actin-binding cytoskeleton protein, filamin
O13838	DDX39B	48.991	61.277	29.9	9	11	9	57869000	4.2E+08	2.279	cytoplasm,nucleus	K12812	A	KOG0329	ATP-dependent RNA helicase
P27105	STOM	31.73	85.013	42	7	11	7	1.52E+08	1.17E+09	2.268	cytoplasm	K17286	C	KOG2621	Prohibitins and stomatins of the PID superfamily
P04899	GNAI2	40.45	54.268	27.6	7	8	4	99363000	4.2E+08	2.261	cytoplasm	K04630	DT	KOG0082	G-protein alpha subunit (small G protein superfamily)
Q9BWM7	SFXN3	35.503	19.391	12.8	3	3	2	23716000	1.33E+08	2.253	cytoplasm		R	KOG3767	Sideroflexin
Q16881	TXNRD1	70.905	19.137	5.9	2	2	2	12954000	70308000	2.238	cytoplasm	K22182	O	KOG4716	Thioredoxin reductase
P14923	JUP	81.744	56.36	17.7	7	8	7	33753000	2.4E+08	2.229	cytoplasm	K10056	TZ	KOG4203	Armadillo/beta-Catenin/plakoglobin
P14866	HNRNPL	64.132	73.749	28.5	8	9	8	72239000	4.14E+08	2.2	nucleus	K13159	A	KOG1456	Heterogeneous nuclear ribonucleoprotein L (contains RRM repeats)
P62873	GNB1	37.377	68.028	32.9	7	9	4	51229000	3.13E+08	2.189	cytoplasm	K04536	R	KOG0286	G-protein beta subunit
O75489	NDUFS3	30.241	50.015	31.1	6	6	6	27136000	90619000	2.178	mitochondria	K03936	C	KOG1713	NADH-ubiquinone oxidoreductase, NDUFS3/30 kDa subunit
P15121	AKR1B1	35.853	96.443	55.1	11	15	11	2.89E+08	1.63E+09	2.175	cytoplasm	K00011	R	KOG1577	Aldo/keto reductase family proteins
Q9UBI6	GNG12	8.0061	21.612	56.9	3	3	3	52453000	3.5E+08	2.155	nucleus	K04347	T	KOG4119	G protein gamma subunit
P10620	MGST1	17.598	38.185	20	4	6	4	68874000	4.38E+08	2.145	cytoplasm,nucleus	K00799			
P35580	MYH10	229	323.31	38.8	72	109	40	8.41E+08	5.69E+09	2.132	cytoplasm	K10352	Z	KOG0161	Myosin class II heavy chain
P37802	TAGLN2	22.391	71.639	52.3	9	10	9	1.18E+08	6.42E+08	2.127	cytoplasm,nucleus	K20526	Z	KOG2046	Calponin
P40199	CEACAM6	37.194	17.137	5.8	2	3	2	12938000	40194000	2.11	extracellular	K06499			
Q09666	AHNAK	629.09	120.14	12.9	18	21	18	2.08E+08	6.63E+08	2.109	nucleus				
Q13813	SPTAN1	284.54	62.961	5.4	7	7	7	46211000	1.39E+08	2.081	nucleus	K06114	Z	KOG0035	Ca2+-binding actin-bundling protein (actinin), alpha chain
Q6NUK1	SLC25A24	53.354	37.688	16.4	6	6	6	26640000	1.54E+08	2.06	cytoplasm	K14684	F	KOG0036	Predicted mitochondrial carrier protein
P26038	MSN	67.819	32.027	10.2	5	5	5	13531000	1.09E+08	2.052	cytoplasm	K05763	R	KOG3529	Radixin, moesin and related proteins of the ERM family
P51970	NDUFA8	20.105	24.495	30.2	3	4	3	70760000	1.43E+08	2.052	extracellular	K03952	C	KOG3458	NADH:ubiquinone oxidoreductase, NDUFA8/PGIV/19 kDa subunit
Q9NYL9	TMOD3	39.594	177.16	75	20	30	19	5.01E+08	3.33E+09	2.04	cytoplasm	K10370	Z	KOG3735	Tropomodulin and leiomodulin
Q07065	CKAP4	66.022	80.037	23.8	10	11	10	2.63E+08	3.76E+08	2.019	plasma membrane	K13999			
Q969G5	CAVIN3	27.701	14.168	7.7	2	2	2	9055800	40254000	2.011	extracellular				
O60675	MAFK	17.523	21.419	24.4	3	3	3	23843000	97765000	2.009	nucleus	K09037			
P0DMV9	HSPA1B	70.051	66.554	27.3	10	14	6	1.27E+08	4.33E+08	1.996	cytoplasm	K03283			
O43390	HNRNPR	70.942	35.432	15.8	7	9	5	45012000	2.25E+08	1.992	nucleus	K13161	A	KOG0117	Heterogeneous nuclear ribonucleoprotein R (RRM superfamily)
Q16719	KYNU	52.351	38.241	19.1	6	8	6	34369000	1.44E+08	1.982	cytoplasm	K01556	E	KOG3846	L-kynurenine hydrolase
P49411	TUFM	49.541	32.492	15.5	5	5	5	14538000	1.06E+08	1.97	mitochondria	K02358	J	KOG0460	Mitochondrial translation elongation factor Tu
P14649	MYL6B	22.764	42.857	49	7	11	5	57876000	2.48E+08	1.951	cytoplasm	K12751	Z	KOG0030	Myosin essential light chain, EF-Hand protein superfamily
Q13435	SF3B2	100.23	58.085	15.5	9	9	9	42298000	2.72E+08	1.944	nucleus	K12829	A	KOG2330	Splicing factor 3b, subunit 2
Q9Y5S9	RBM8A	19.889	12.701	33.3	2	2	2	9105600	84319000	1.944	nucleus	K12876	R	KOG0130	RNA-binding protein RBM8/Tsunagi (RRM superfamily)
P07099	EPHX1	52.948	15.98	8.4	2	2	2	20502000	1.22E+08	1.922	endoplasmic reticulu	K01253	R	KOG2565	Predicted hydrolases or acyltransferases (alpha/beta hydrolase superfamily)
P11413	G6PD	59.256	91.487	31.5	11	13	11	82504000	3.68E+08	1.909	cytoplasm	K00036	G	KOG0563	Glucose-6-phosphate 1-dehydrogenase

Q9UHB6	LIMA1	85.225	24.407	10	4	4	4	17440000	86467000	1.905	nucleus				
Q7Z7K6	CENPV	29.946	29.17	20.4	4	6	4	84610000	3.33E+08	1.902	mitochondria		S	KOG4192	Uncharacterized conserved protein
P13804	ETFA	35.079	11.974	6.9	2	2	2	14341000	31836000	1.894	mitochondria	K03522	C	KOG3954	Electron transfer flavoprotein, alpha subunit
P61160	ACTR2	44.76	28.994	13.7	4	4	4	12663000	60574000	1.891	cytoplasm	K17260	Z	KOG0677	Actin-related protein Arp2/3 complex, subunit Arp2
P52895	AKR1C2	36.735	24.26	26.6	5	7	2	48545000	2.78E+08	1.884	cytoplasm	K00089	R	KOG1577	Aldo/keto reductase family proteins
P09211	GSTP1	23.356	28.424	26.2	3	4	3	46123000	2.34E+08	1.882	mitochondria	K00799	O	KOG1695	Glutathione S-transferase
P08754	GNAI3	40.532	15.629	21.5	5	6	2	11410000	76918000	1.88	cytoplasm	K04630	DT	KOG0082	G-protein alpha subunit (small G protein superfamily)
Q15459	SF3A1	88.885	39.2	12.6	5	6	5	83465000	2.88E+08	1.863	cytoplasm	K12825	A	KOG0007	Splicing factor 3a, subunit 1
P63010	AP2B1	104.55	37.675	12	6	6	6	28607000	1.82E+08	1.859	plasma membrane	K11825	U	KOG1061	Vesicle coat complex AP-1/AP-2/AP-4, beta subunit
P30044	PRDX5	22.086	26.284	23.8	4	5	4	28717000	1.03E+08	1.858	cytoplasm	K11187	O	KOG0541	Alkyl hydroperoxide reductase/peroxiredoxin
Q16718	NDUFA5	13.459	19.338	31	2	2	2	17446000	97836000	1.857	cytoplasm	K03949	C	KOG3365	NADH:ubiquinone oxidoreductase, NDUFA5/B13 subunit
P12814	ACTN1	103.06	255.21	63.3	42	61	27	5.24E+08	2.37E+09	1.849	cytoplasm,nucleus	K05699	Z	KOG0035	Ca2+-binding actin-bundling protein (actinin), alpha chain
O60832	DKC1	57.673	17.235	8.8	2	2	2	11602000	65577000	1.841	cytoplasm	K11131	J	KOG2529	Pseudouridine synthase
Q9UL46	PSME2	27.401	24.073	21.3	3	3	3	22139000	1.14E+08	1.84	cytoplasm	K06697	O	KOG4470	Proteasome activator subunit
Q96IZ0	PAWR	36.567	36.379	27.1	4	5	4	17198000	1.5E+08	1.836	nucleus				
Q00325	SLC25A3	40.094	45.28	16.6	6	6	6	54770000	1.55E+08	1.83	nucleus	K15102	C	KOG0767	Mitochondrial phosphate carrier protein
P35232	PHB	29.804	48.582	34.9	6	7	6	3.08E+08	4.96E+08	1.818	cytoplasm	K17080	O	KOG3083	Prohibitin
P50454	SERPINH1	46.44	29.471	12.7	3	3	3	12508000	89840000	1.807	extracellular	K09501	V	KOG2392	Serpin
Q03135	CAV1	20.471	61.532	46.6	7	10	7	2.45E+08	1.48E+09	1.806	cytoplasm	K06278			
O43920	NDUFS5	12.517	33.37	47.2	5	5	5	34445000	1.07E+08	1.804	extracellular	K03938	C	KOG4110	NADH:ubiquinone oxidoreductase, NDUFS5/15kDa
P09669	COX6C	8.7813	22.73	36	3	4	3	35359000	1.27E+08	1.804	mitochondria	K02268			
Q02978	SLC25A11	34.061	46.042	23.9	5	6	5	28894000	1.49E+08	1.789	cytoplasm	K15104	C	KOG0759	Mitochondrial oxoglutarate/malate carrier proteins
Q969G3	SMARCE1	46.649	20.577	6.8	2	2	2	9131100	25623000	1.761	nucleus	K11651	B	KOG4715	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin
P00352	ALDH1A1	54.861	208.82	57.9	21	30	21	5.13E+08	2.95E+09	1.759	cytoplasm	K07249	C	KOG2450	Aldehyde dehydrogenase
P62491	RAB11A	24.393	15.107	10.6	2	2	2	13014000	39901000	1.758	cytoskeleton	K07904	U	KOG0087	GTPase Rab11/YPT3, small G protein superfamily
P47985	UQCRFS1	29.668	41.547	35.4	5	6	5	41846000	2.31E+08	1.743	mitochondria	K00411	C	KOG1671	Ubiquinol cytochrome c reductase, subunit RIP1
P51991	HNRNPA3	39.594	51.01	24.6	8	10	8	2.03E+08	7.15E+08	1.736	nucleus	K12741	R	KOG0118	FOG: RRM domain
Q9H299	SH3BGRL3	10.438	16.384	20.4	1	2	1	31614000	1.53E+08	1.735	mitochondria		S	KOG4023	Uncharacterized conserved protein
Q15717	ELAVL1	36.091	57.444	32.2	7	8	7	72728000	2.79E+08	1.732	nucleus	K13088	A	KOG0145	RNA-binding protein ELAV/HU (RRM superfamily)
P30101	PDIA3	56.782	27.848	14.1	4	4	4	14117000	70941000	1.731	endoplasmic reticulu	K08056	O	KOG0190	Protein disulfide isomerase (prolyl 4-hydroxylase beta subunit)
P46940	IQGAP1	189.25	109.82	14.5	14	15	14	87606000	4.34E+08	1.729	cytoplasm	K16848	T	KOG2128	Ras GTPase-activating protein family - IQGAP
P51149	RAB7A	23.489	18.513	14	2	2	2	10459000	32514000	1.719	cytoplasm	K07897	R	KOG0394	Ras-related GTPase
O60218	AKR1B10	36.019	117.22	58.5	13	18	13	2.58E+08	9.52E+08	1.704	cytoplasm	K00011	R	KOG1577	Aldo/keto reductase family proteins
Q14103	HNRNPD	38.434	61.25	24.5	8	10	7	1.46E+08	5.22E+08	1.701	nucleus	K13044	R	KOG0118	FOG: RRM domain
Q16643	DBN1	71.428	74.211	17.9	8	9	8	76215000	3.73E+08	1.688	nucleus				
Q9Y2W2	WBP11	69.997	18.613	9.4	3	3	3	42675000	2.73E+08	1.667	nucleus	K12866	S	KOG4672	Uncharacterized conserved low complexity protein
Q13151	HNRNPA0	30.84	15.14	7.5	2	2	2	17107000	57176000	1.652	nucleus	K12894			
Q00610	CLTC	191.61	323.31	41.7	47	61	47	9.43E+08	3.22E+09	1.651	cytoplasm	K04646	U	KOG0985	Vesicle coat protein clathrin, heavy chain
O95777	LSM8	10.403	8.5156	16.7	1	3	1	20164000	73889000	1.65	cytoplasm	K12627	A	KOG1784	Small Nuclear ribonucleoprotein splicing factor
Q99623	PHB2	33.296	43.561	22.7	5	6	5	36891000	2.03E+08	1.65	cytoplasm	K17081	O	KOG3090	Prohibitin-like protein
P10606	COX5B	13.696	22.098	24.8	3	3	3	22296000	83363000	1.646	mitochondria	K02265	C	KOG3352	Cytochrome c oxidase, subunit Vb/COX4
Q9P0L0	VAPA	27.893	11.718	13.7	2	2	2	20983000	78310000	1.63	cytoplasm	K06096			
Q9NX63	CHCHD3	26.152	23.415	14.5	3	4	3	25626000	93713000	1.629	extracellular	K17563	K	KOG4083	Head-elevated expression protein
P60842	EIF4A1	46.153	12.492	9.6	3	3	2	11136000	24842000	1.626	nucleus	K03257	J	KOG0327	Translation initiation factor 4F, helicase subunit (eIF-4A) and related helicases
P00558	PGK1	44.614	82.972	44.1	10	13	10	1.41E+08	4.67E+08	1.607	cytoplasm	K00927	G	KOG1367	3-phosphoglycerate kinase
P47756	CAPZB	31.35	68.002	27.4	6	10	6	3.27E+08	3.15E+08	1.589	cytoplasm,nucleus	K10365	Z	KOG3174	F-actin capping protein, beta subunit
P61978	HNRNPK	50.976	121.18	38.7	13	16	13	3.14E+08	1.62E+09	1.581	nucleus	K12886	AR	KOG2192	PolyC-binding hnRNP-K protein HRB57A/hnRNP, contains KH domain
P08758	ANXA5	35.936	53.781	22.5	6	7	6	77955000	2.5E+08	1.577	cytoplasm	K16646	U	KOG0819	Annexin
P61158	ACTR3	47.371	53.274	30.9	8	10	8	59337000	2.99E+08	1.576	cytoplasm	K18584	Z	KOG0678	Actin-related protein Arp2/3 complex, subunit Arp3
P43490	NAMPT	55.52	104.47	38.5	11	14	11	2.54E+08	9.12E+08	1.567	cytoplasm	K03462			
Q9Y3E1	HDGFL3	22.619	22.515	20.7	3	3	2	35758000	2.2E+08	1.56	nucleus				

P38117	ETFB	27.843	21.789	17.6	4	4	4	37310000	53308000	1.559	cytoplasm	K03521	C	KOG3180	Electron transfer flavoprotein, beta subunit
P52272	HNRNPM	77.515	48.747	12.3	6	6	6	63160000	1.89E+08	1.556	cytoplasm	K12887	A	KOG4212	RNA-binding protein hnRNP-M
Q06830	PRDX1	22.11	85.37	60.3	10	12	10	3.35E+08	9.59E+08	1.555	cytoplasm	K13279	O	KOG0852	Alkyl hydroperoxide reductase, thiol specific antioxidant and related enzymes
O15511	ARPC5	16.32	21.356	43.7	3	5	3	63159000	2.99E+08	1.547	cytoplasm	K05754	Z	KOG3380	Actin-related protein Arp2/3 complex, subunit ARPC5
P60981	DSTN	18.506	11.586	17	2	3	2	27428000	88172000	1.54	mitochondria	K10363	Z	KOG1735	Actin depolymerizing factor
P07355	ANXA2	38.604	283.3	75.5	27	40	27	1.66E+09	9.76E+09	1.519	cytoplasm	K17092	U	KOG0819	Annexin
P62306	SNRPF	9.7251	22.789	48.8	3	4	3	19331000	47349000	1.516	cytoplasm	K11098	A	KOG3482	Small nuclear ribonucleoprotein (snRNP) SMF
P05114	HMGN1	10.659	30.051	45	4	4	4	5544900	12703000	1.515	nucleus	K11299			
Q96QD9	FYTTD1	35.818	19.718	12.6	3	3	3	16487000	78063000	1.511	mitochondria				
O60701	UGDH	55.023	46.08	19.6	7	9	7	1.13E+08	2.81E+08	1.498	cytoplasm	K00012	GT	KOG2666	UDP-glucose/GDP-mannose dehydrogenase
P63104	YWHAZ	27.745	108.55	44.5	11	13	10	2.87E+08	1.1E+09	1.496	cytoplasm	K16197	O	KOG0841	Multifunctional chaperone (14-3-3 family)
P08574	CYC1	35.422	13.149	8.6	2	2	2	13849000	41576000	1.474	mitochondria	K00413	C	KOG3052	Cytochrome c1
P09651	HNRNPA1	38.746	127.64	34.7	11	17	11	2.72E+08	9.67E+08	1.47	nucleus	K12741	R	KOG0118	FOG: RRM domain
Q8IY81	FTSJ3	96.557	22.156	7.6	3	3	3	22601000	1.14E+08	1.469	nucleus	K14857	AR	KOG1098	Putative SAM-dependent rRNA methyltransferase SPB1
P07339	CTSD	44.552	37.804	15	5	5	5	1.06E+08	2.59E+08	1.462	extracellular	K01379	O	KOG1339	Aspartyl protease
P26641	EEF1G	50.118	11.457	5.5	2	2	2	10197000	23763000	1.456	cytoplasm	K03233	J	KOG1627	Translation elongation factor EF-1 gamma
Q00839	HNRNPU	90.583	107.12	26.5	14	15	14	2.3E+08	8.32E+08	1.456	nucleus	K12888			
P68371	TUBB4B	49.83	135.95	44.5	14	23	2	4.94E+08	1.8E+09	1.453	cytoplasm,nucleus	K07375	Z	KOG1375	Beta tubulin
P18859	ATP5J	12.587	19.801	44.4	3	3	3	24042000	94681000	1.45	mitochondria	K02131	C	KOG4634	Mitochondrial F1F0-ATP synthase, subunit Cf6 (coupling factor 6)
Q9ULV4	CORO1C	53.248	45.91	20.9	6	7	6	1.12E+08	4.5E+08	1.443	mitochondria	K13886	Z	KOG0303	Actin-binding protein Coronin, contains WD40 repeats
P61421	ATP6V0D1	40.329	20.734	17.7	3	4	3	16904000	1.32E+08	1.438	cytoskeleton	K02146	C	KOG2957	Vacuolar H+-ATPase V0 sector, subunit d
P22695	UQCRC2	48.442	105.97	34.4	11	14	11	1.46E+08	3.94E+08	1.434	mitochondria	K00415	C	KOG2583	Ubiquinol cytochrome c reductase, subunit QCR2
P63096	GNAI1	40.361	32.294	24.3	6	9	3	25292000	1.71E+08	1.434	cytoplasm	K04630	DT	KOG0082	G-protein alpha subunit (small G protein superfamily)
P40926	MDH2	35.503	65.044	37.6	8	8	8	1.01E+08	3.26E+08	1.431	mitochondria	K00026	C	KOG1494	NAD-dependent malate dehydrogenase
Q9UJS0	SLC25A13	74.175	43.396	12.4	6	7	6	36183000	1.48E+08	1.424	cytoplasm	K15105	C	KOG0751	Mitochondrial aspartate/glutamate carrier protein Aralar/Citrin (contains EF-hand Ca2+-binding domains)
P0DP25	CALM3	16.837	169.78	74.5	14	32	14	1.91E+09	9.01E+09	1.423	cytoplasm,nucleus	K02183			
O95758	PTBP3	59.689	43.225	17.6	7	7	4	13066000	84000000	1.419	cytoskeleton	K17844	A	KOG1190	Polypyrimidine tract-binding protein
P29401	TKT	67.877	137.46	46.4	15	20	15	4.37E+08	1.27E+09	1.412	cytoplasm	K00615	G	KOG0523	Transketolase
Q15050	RRS1	41.193	19.557	12.1	3	4	3	30183000	98726000	1.411	nucleus	K14852	J	KOG1765	Regulator of ribosome synthesis
P82979	SARNP	23.671	38.586	22.4	4	4	4	1.22E+08	2E+08	1.409	nucleus	K18732	D	KOG4259	Putative nucleic acid-binding protein Hcc-1/proliferation associated
P05141	SLC25A5	32.852	96.017	39.9	13	16	6	2.59E+08	8.99E+08	1.396	cytoplasm	K05863	C	KOG0749	Mitochondrial ADP/ATP carrier proteins
P62241	RPS8	24.205	57.806	42.3	7	8	7	1.05E+08	2.9E+08	1.396	nucleus	K02995	J	KOG3283	40S ribosomal protein S8
P10599	TXN	11.737	29.269	41	4	5	4	90494000	4.21E+08	1.38	extracellular	K03671	O	KOG0907	Thioredoxin
Q10588	BST1	35.724	16.501	6.9	2	2	2	17279000	61227000	1.378	extracellular	K18152			
P08579	SNRPB2	25.486	37.056	28	5	5	3	81171000	1.05E+08	1.377	nucleus	K11094	A	KOG4206	Spliceosomal protein snRNP-U1A/U2B
Q9Y4Z0	LSM4	15.35	14.511	11.5	2	2	2	23048000	50035000	1.375	cytoplasm,nucleus	K12623	A	KOG3293	Small nuclear ribonucleoprotein (snRNP)
P16070	CD44	81.537	27.406	5.1	3	3	3	65026000	1.7E+08	1.368	extracellular,plasma r	K06256			
P37837	TALDO1	37.54	11.011	7.4	2	2	2	10443000	34823000	1.367	mitochondria	K00616	G	KOG2772	Transaldolase
P62308	SNRPG	8.496	13.777	25	2	2	2	27941000	78527000	1.355	cytoplasm	K11099	A	KOG1780	Small Nuclear ribonucleoprotein G
O95831	AIFM1	66.9	20.785	8.8	3	3	3	11579000	46268000	1.338	mitochondria	K04727	T	KOG1346	Programmed cell death 8 (apoptosis-inducing factor)
Q15365	PCBP1	37.497	15.178	10.7	3	4	2	27243000	63739000	1.337	cytoskeleton	K12889	AR	KOG2190	PolyC-binding proteins alphaCP-1 and related KH domain proteins
P15144	ANPEP	109.54	22.262	7.1	3	3	3	27947000	82277000	1.328	endoplasmic reticulur	K11140	EO	KOG1046	Puromycin-sensitive aminopeptidase and related aminopeptidases
Q9Y3Y2	CHTOP	26.396	60.395	29.8	6	7	6	1.61E+08	4.72E+08	1.327	mitochondria				
P12236	SLC25A6	32.866	41.928	43.6	12	16	4	1.33E+08	4.68E+08	1.326	cytoplasm	K05863	C	KOG0749	Mitochondrial ADP/ATP carrier proteins
Q12965	MYO1E	127.06	75.718	13.2	10	10	10	1.04E+08	3.35E+08	1.325	cytoplasm	K10356	Z	KOG0164	Myosin class I heavy chain
P60953	CDC42	21.258	33.308	34.6	4	4	4	44736000	2.53E+08	1.319	cytoplasm	K04393	R	KOG0393	Ras-related small GTPase, Rho type
P23284	PPIB	23.742	59.35	34.3	7	10	7	99955000	3.67E+08	1.315	extracellular	K03768	O	KOG0880	Peptidyl-prolyl cis-trans isomerase
P83916	CBX1	21.418	24.182	24.9	4	5	3	21373000	46752000	1.298	nucleus	K11585			
P05556	ITGB1	88.414	51.146	15.3	7	8	7	82078000	2.87E+08	1.295	extracellular	K05719	TW	KOG1226	Integrin beta subunit (N-terminal portion of extracellular region)
P00441	SOD1	15.936	43.508	53.9	3	4	3	1.69E+08	6.67E+08	1.292	cytoplasm	K04565	P	KOG0441	Cu2+/Zn2+ superoxide dismutase SOD1
P11021	HSPA5	72.332	100.64	29.8	13	14	13	1.41E+08	3.36E+08	1.291	endoplasmic reticulur	K09490	O	KOG0101	Molecular chaperones HSP70/HSC70, HSP70 superfamily

P59998	ARPC4	19.667	49.465	39.9	6	7	6	86038000	2.39E+08	1.286	mitochondria	K05755	Z	KOG1876	Actin-related protein Arp2/3 complex, subunit ARPC4
P62820	RAB1A	22.677	21.346	22.9	3	3	2	49001000	1.12E+08	1.285	cytoplasm	K07874	TU	KOG0084	GTPase Rab1/YPT1, small G protein superfamily
P30043	BLVRB	22.119	22.664	25.7	3	3	3	19638000	72070000	1.284	cytoplasm	K05901			
P60174	TPI1	30.791	82.503	48.3	9	12	9	2.63E+08	7.77E+08	1.284	cytoplasm	K01803	G	KOG1643	Triosephosphate isomerase
P49755	TMED10	24.976	17.095	11.9	2	3	2	65658000	1.34E+08	1.278	extracellular	K20352	U	KOG1691	emp24/gp25L/p24 family of membrane trafficking proteins
Q04837	SSBP1	17.259	32.785	32.4	3	4	3	36110000	1.42E+08	1.278	nucleus	K03111	L	KOG1653	Single-stranded DNA-binding protein
P27348	YWHAQ	27.764	45.7	30.6	6	7	5	68082000	2.87E+08	1.277	cytoplasm	K16197	O	KOG0841	Multifunctional chaperone (14-3-3 family)
P20674	COX5A	16.762	30.699	26	4	9	4	1.34E+08	4.27E+08	1.267	mitochondria	K02264	C	KOG4077	Cytochrome c oxidase, subunit Va/COX6
Q9NZI8	IGF2BP1	63.48	34.163	10.6	4	5	3	46592000	1.15E+08	1.26	cytoplasm	K17391	AR	KOG2193	IGF-II mRNA-binding protein IMP, contains RRM and KH domains
O15145	ARPC3	20.546	14.718	20.8	2	2	2	31039000	86242000	1.254	cytoplasm	K05756	Z	KOG3155	Actin-related protein Arp2/3 complex, subunit ARPC3
Q99536	VAT1	41.92	29.445	16	4	4	4	12017000	73587000	1.249	cytoplasm		CR	KOG1198	Zinc-binding oxidoreductase
Q9Y3A2	UTP11	30.446	15.097	13.4	2	2	2	19442000	60785000	1.249	nucleus	K14769	S	KOG3237	Uncharacterized conserved protein
P04075	ALDOA	39.42	82.281	47.8	10	13	8	1.99E+08	4.83E+08	1.239	cytoplasm	K01623	G	KOG1557	Fructose-biphosphate aldolase
P04844	RPN2	69.283	71.392	29	8	9	8	58636000	5.4E+08	1.234	extracellular	K12667	O	KOG2447	Oligosaccharyltransferase, delta subunit (ribophorin II)
P22392	NME2	17.298	48.122	48	5	7	3	74551000	1.54E+08	1.234	cytoplasm	K00940	F	KOG0888	Nucleoside diphosphate kinase
P52907	CAPZA1	32.922	50.431	28	5	6	4	73449000	3.38E+08	1.234	cytoplasm	K10364	Z	KOG0836	F-actin capping protein, alpha subunit
P61981	YWHAG	28.302	49.691	42.9	8	10	6	72331000	5.13E+08	1.225	cytoplasm	K16198	O	KOG0841	Multifunctional chaperone (14-3-3 family)
Q15084	PDIA6	48.121	24.755	14.1	3	3	3	12260000	38116000	1.225	extracellular	K09584	O	KOG0191	Thioredoxin/protein disulfide isomerase
P68363	TUBA1B	50.151	175.57	62.7	19	29	0	8.13E+08	2.85E+09	1.221	cytoskeleton	K07374	Z	KOG1376	Alpha tubulin
P31943	HNRNPH1	49.229	32.803	14.9	4	4	4	28193000	78899000	1.209	nucleus	K12898	A	KOG4211	Splicing factor hnRNP-F and related RNA-binding proteins
P68032	ACTC1	42.019	43.304	44.8	19	50	3	99415000	4.12E+08	1.194	cytoskeleton	K12314	Z	KOG0676	Actin and related proteins
P38159	RBMX	42.331	37.335	15.9	5	6	5	65070000	2.34E+08	1.182	nucleus	K12885			
Q15428	SF3A2	49.255	28.014	9.5	3	4	3	46945000	1.42E+08	1.175	cytoplasm	K12826	A	KOG0227	Splicing factor 3a, subunit 2
Q14978	NOLC1	73.602	81.159	15.5	10	18	10	5.2E+08	1.16E+09	1.173	nucleus		Y	KOG2992	Nucleolar GTPase/ATPase p130
P62937	PPIA	18.012	86.457	58.2	9	14	9	3.04E+08	8.89E+08	1.169	cytoplasm	K03767	O	KOG0865	Cyclophilin type peptidyl-prolyl cis-trans isomerase
O00567	NOP56	66.049	77.556	26.1	10	12	10	89590000	2.55E+08	1.166	nucleus	K14564	AJ	KOG2572	Ribosome biogenesis protein - Nop58p/Nop5p
P61604	HSPE1	10.932	37.551	52	5	6	5	1.35E+08	3.03E+08	1.164	mitochondria	K04078	O	KOG1641	Mitochondrial chaperonin
Q14764	MVP	99.326	51.658	15.5	7	7	7	27365000	1.75E+08	1.16	cytoplasm	K17266			
P07919	UQCRH	10.739	23.867	19.8	1	3	1	46412000	82857000	1.159	extracellular	K00416	C	KOG4763	Ubiquinol-cytochrome c reductase hinge protein
Q9NX24	NHP2	17.201	49.201	68.6	5	7	5	2.37E+08	8.13E+08	1.155	cytoplasm	K11129	A	KOG3167	Box H/ACA snoRNP component, involved in ribosomal RNA pseudouridinylation
P62314	SNRPD1	13.281	30.049	54.6	4	5	4	1.11E+08	2.86E+08	1.149	nucleus	K11087	A	KOG3428	Small nuclear ribonucleoprotein SMD1 and related snRNPs
Q9Y6C9	MTCH2	33.331	47.901	32	6	8	6	1.71E+08	6.16E+08	1.147	extracellular	K17885	R	KOG2745	Mitochondrial carrier protein
P43243	MATR3	94.622	55.917	12.9	6	6	6	1.63E+08	4.5E+08	1.144	nucleus	K13213			
P38646	HSPA9	73.68	131.03	29.5	15	16	15	2.34E+08	5.83E+08	1.136	mitochondria	K04043	O	KOG0102	Molecular chaperones mortalin/PBP74/GRP75, HSP70 superfamily
P62316	SNRPD2	13.527	51.649	67.8	8	8	8	1.03E+08	2.66E+08	1.136	cytoplasm	K11096	A	KOG3459	Small nuclear ribonucleoprotein (snRNP) Sm core protein
P22626	HNRNPA2B	37.429	143.87	55.5	17	25	17	4.85E+08	1.54E+09	1.131	nucleus	K13158	R	KOG0118	FOG: RRM domain
P54289	CACNA2D1	124.57	37.792	7.9	6	6	6	22916000	1.12E+08	1.121	plasma membrane	K04859	PT	KOG2353	L-type voltage-dependent Ca2+ channel, alpha2/delta subunit
P62879	GNB2	37.331	11.35	19.1	4	6	1	21775000	68770000	1.121	cytoplasm	K04537	R	KOG0286	G-protein beta subunit
P53999	SUB1	14.395	29.265	37	4	4	4	64254000	1.45E+08	1.12	nucleus		K	KOG2712	Transcriptional coactivator
P38919	EIF4A3	46.871	33.937	18.2	5	5	4	57083000	1.68E+08	1.116	nucleus	K13025	J	KOG0327	Translation initiation factor 4F, helicase subunit (eIF-4A) and related helicases
P31949	S100A11	11.74	19.958	45.7	2	3	2	1.51E+08	8.2E+08	1.114	cytoplasm				
P22087	FBL	33.784	157.07	58.6	14	28	13	1.68E+09	6.15E+09	1.109	nucleus	K14563	A	KOG1596	Fibrillarin and related nucleolar RNA-binding proteins
O75955	FLOT1	47.355	100.79	33.7	10	14	10	2.01E+08	4.76E+08	1.107	cytoplasm	K07192	UZ	KOG2668	Flotillins
P62753	RPS6	28.68	40.198	22.9	5	5	5	61555000	1.08E+08	1.107	cytoplasm	K02991	J	KOG1646	40S ribosomal protein S6
Q14254	FLOT2	47.064	104.2	34.8	11	14	11	2.27E+08	6.18E+08	1.105	cytoplasm	K07192	UZ	KOG2668	Flotillins
Q9NS69	TOMM22	15.521	42.084	66.2	5	6	5	88148000	1.97E+08	1.096	cytoplasm	K17769	U	KOG4111	Translocase of outer mitochondrial membrane complex, subunit TOM22
Q5SSJ5	HP1BP3	61.206	25.639	7.6	4	4	4	11907000	54544000	1.095	nucleus		B	KOG4012	Histone H1
P04083	ANXA1	38.714	175.13	60.4	17	24	17	6.82E+08	1.99E+09	1.091	cytoplasm	K17091	U	KOG0819	Annexin
P46087	NOP2	89.301	23.223	4.7	3	4	3	26268000	59835000	1.09	nucleus	K14835	A	KOG1122	tRNA and rRNA cytosine-C5-methylase (nucleolar protein NOL1/NOP2)
Q02543	RPL18A	20.762	22.969	16.5	3	3	3	26262000	50653000	1.089	nucleus	K02882	J	KOG0829	60S ribosomal protein L18A
Q9H1E3	NUCKS1	27.296	21.183	17.7	3	5	3	16198000	37669000	1.088	nucleus				

P55769	SNU13	14.173	78.825	68.8	9	12	9	5.35E+08	2.3E+09	1.084	cytoplasm	K12845	AJ	KOG3387	60S ribosomal protein 15.5kD/SNU13, NHP2/L7A family (includes ribonuclease P subunit p38), involved in splicing
P14406	COX7A2	9.3959	16.479	27.7	2	2	2	67689000	2.08E+08	1.08	mitochondria	K02270			
P10809	HSPD1	61.054	116.04	33	15	18	15	3.57E+08	7.7E+08	1.077	mitochondria	K04077	O	KOG0356	Mitochondrial chaperonin, Cpn60/Hsp60p
P07195	LDHB	36.638	75.239	38.6	10	13	9	2.05E+08	5.79E+08	1.076	cytoplasm	K00016	C	KOG1495	Lactate dehydrogenase
P07437	TUBB	49.67	42.713	41.2	13	21	3	1.08E+08	4.59E+08	1.072	cytoplasm,nucleus	K07375	Z	KOG1375	Beta tubulin
P14625	HSP90B1	92.468	50.801	16.4	8	8	7	53330000	2.29E+08	1.07	endoplasmic reticulu	K09487	O	KOG0020	Endoplasmic reticulum glucose-regulated protein (GRP94/endoplasmin)
Q96AE4	FUBP1	67.56	23.382	5.3	3	4	3	16929000	32690000	1.069	cytoplasm	K13210	A	KOG1676	K-homology type RNA binding proteins
Q12906	ILF3	95.337	104.35	23.2	12	15	12	3.75E+08	9.15E+08	1.066	nucleus	K13090	R	KOG3792	Transcription factor NFAT, subunit NF90
P14854	COX6B1	10.192	21.178	47.7	3	4	3	70423000	2.04E+08	1.058	extracellular	K02267	C	KOG3057	Cytochrome c oxidase, subunit VIb/COX12
Q05639	EEF1A2	50.47	15.094	41	11	16	2	56349000	1.9E+08	1.048	cytoplasm	K03231	J	KOG0052	Translation elongation factor EF-1 alpha/Tu
P24534	EEF1B2	24.763	12.633	22.2	2	2	2	15912000	39326000	1.046	nucleus	K03232	K	KOG1668	Elongation factor 1 beta/delta chain
P84090	ERH	12.259	32.627	64.4	4	4	4	1.13E+08	3.98E+08	1.043	cytoplasm		R	KOG1766	Enhancer of rudimentary
P62826	RAN	24.423	79.21	43.1	9	12	9	2.2E+08	6.14E+08	1.041	cytoplasm	K07936	U	KOG0096	GTPase Ran/TC4/GSP1 (nuclear protein transport pathway), small G protein
Q92522	H1FX	22.487	5.5407	5.6	1	2	1	1.28E+08	2.47E+09	1.034	nucleus	K11275	B	KOG4012	Histone H1
P62258	YWHAE	29.174	56.839	35.3	8	8	7	1.07E+08	3.27E+08	1.033	cytoplasm	K06630	O	KOG0841	Multifunctional chaperone (14-3-3 family)
P11142	HSPA8	70.897	177.54	42.1	19	25	14	9.59E+08	1.8E+09	1.031	cytoplasm	K03283	O	KOG0101	Molecular chaperones HSP70/HSC70, HSP70 superfamily
Q9Y2R4	DDX52	67.497	12.764	4.5	2	4	2	18669000	30965000	1.028	nucleus	K14779	A	KOG0344	ATP-dependent RNA helicase
Q8N3V7	SYNPO	99.462	22.52	5	3	3	3	20215000	43332000	1.024	nucleus	K21112			
Q9BZE4	GTPBP4	73.964	11.716	5.5	2	2	2	20259000	43118000	1.022	cytoplasm	K06943	R	KOG1490	GTP-binding protein CRFG/NOG1 (ODN superfamily)
P00338	LDHA	36.688	87.39	58.7	12	13	11	2.07E+08	4.46E+08	1.014	cytoplasm	K00016	C	KOG1495	Lactate dehydrogenase
Q969Q0	RPL36AL	12.469	12.836	16	2	2	2	28577000	49748000	1.012	extracellular	K02929	J	KOG3464	60S ribosomal protein L44
P54727	RAD23B	43.171	11.76	5.9	2	2	2	14483000	21159000	1.01	cytoplasm	K10839	L	KOG0011	Nucleotide excision repair factor NEF2, RAD23 component
P67809	YBX1	35.924	31.287	20.4	3	3	2	49915000	77928000	1.007	nucleus	K09276	J	KOG3070	Predicted RNA-binding protein containing PIN domain
P13073	COX4I1	19.576	32.266	26	4	4	4	1.28E+08	3.7E+08	1.003	mitochondria	K02263	C	KOG4075	Cytochrome c oxidase, subunit IV/COX5b
Q96A72	MAGOHB	17.276	23.805	29.7	3	4	3	94435000	87526000	1	cytoplasm	K12877	A	KOG3392	Exon-exon junction complex, Magoh component
O14950	MYL12B	19.779	5.634	83.7	15	51	1	1.73E+08	1.29E+09	0.999	mitochondria	K12757	Z	KOG0031	Myosin regulatory light chain, EF-Hand protein superfamily
P46782	RPS5	22.876	25.987	30.9	3	6	3	1.28E+08	3.48E+08	0.992	cytoplasm	K02989	J	KOG3291	Ribosomal protein S7
Q15061	WDR43	74.89	11.627	5.3	2	2	2	18118000	51542000	0.983	cytoplasm	K14546	R	KOG4547	WD40 repeat-containing protein
P62701	RPS4X	29.597	72.339	37.3	9	10	9	2.4E+08	4.93E+08	0.968	cytoplasm	K02987	J	KOG0378	40S ribosomal protein S4
P51858	HDGF	26.788	101.39	51.2	10	14	10	6.04E+08	9.68E+08	0.962	nucleus	K16641			
Q1KMD3	HNRNPUL2	85.104	45.15	15.4	6	6	6	2.61E+09	1.86E+08	0.957	nucleus				
P36873	PPP1CC	36.983	36.626	23.2	5	5	5	22655000	87564000	0.954	cytoplasm	K06269			
O75569	PRKRA	34.404	31.566	18.2	4	4	4	56338000	1.37E+08	0.953	cytoplasm		UK	KOG3732	Staufen and related double-stranded-RNA-binding proteins
P08195	SLC3A2	67.993	42.579	13.3	5	5	5	64992000	1.09E+08	0.951	endoplasmic reticulu	K06519	G	KOG0471	Alpha-amylase
P14678	SNRPB	24.61	49.941	21.7	7	9	7	1.55E+08	3.59E+08	0.95	cytoplasm	K11086	K	KOG3168	U1 snRNP component
P09382	LGALS1	14.716	65.318	60.7	7	9	7	2.77E+08	9.05E+08	0.947	extracellular	K06830	W	KOG3587	Galectin, galactose-binding lectin
P36578	RPL4	47.697	49.215	20.6	6	7	6	2.33E+08	5.65E+08	0.944	cytoplasm	K02930	A	KOG1475	Ribosomal protein RPL1/RPL2/RL4L4
P18669	PGAM1	28.804	29.875	32.7	4	5	4	1.25E+08	2.47E+08	0.941	cytoplasm	K01834	G	KOG0235	Phosphoglycerate mutase
P23528	CFL1	18.502	92.828	71.1	11	16	8	6.03E+08	1.75E+09	0.941	mitochondria	K05765	Z	KOG1735	Actin depolymerizing factor
P30050	RPL12	17.818	56.55	49.7	6	6	6	1.31E+08	3.33E+08	0.935	cytoplasm	K02870	J	KOG0886	40S ribosomal protein S2
P62910	RPL32	15.86	32.515	33.3	4	6	4	41599000	70131000	0.935	cytoplasm	K02912	J	KOG0878	60S ribosomal protein L32
P41208	CETN2	19.738	15.793	17.4	2	3	2	22533000	47340000	0.933	nucleus	K10840	ZD	KOG0028	Ca2+-binding protein (centrin/caltractin), EF-Hand superfamily protein
Q99848	EBNA1BP2	34.852	44.547	22.2	5	8	5	1.56E+08	3.33E+08	0.933	nucleus	K14823	A	KOG3080	Nucleolar protein-like/EBNA1-binding protein
Q9Y277	VDAC3	30.658	84.84	45.2	9	13	9	1.88E+08	4.46E+08	0.933	cytoplasm	K15041	P	KOG3126	Porin/voltage-dependent anion-selective channel protein
Q9NY12	GAR1	22.348	39.287	27.2	6	7	6	2.28E+08	6.74E+08	0.93	cytoplasm	K11128	J	KOG3262	H/ACA small nucleolar RNP component GAR1
Q9UJZ1	STOML2	38.534	79.115	37.1	8	12	8	1.66E+08	3.87E+08	0.93	mitochondria		C	KOG2620	Prohibitins and stomatins of the PID superfamily
P62913	RPL11	20.252	28.274	19.7	3	3	3	58378000	1.04E+08	0.924	cytoplasm	K02868	J	KOG0397	60S ribosomal protein L11
P18077	RPL35A	12.538	12.206	14.5	2	2	2	30936000	45372000	0.921	cytoplasm	K02917	J	KOG0887	60S ribosomal protein L35A/L37
P27635	RPL10	24.604	20.039	23.8	3	4	3	60694000	1.39E+08	0.92	cytoplasm	K02866	J	KOG0857	60s ribosomal protein L10
O43169	CYB5B	16.332	16.541	23.3	1	2	1	69509000	2.15E+08	0.917	peroxisome		C	KOG0537	Cytochrome b5
P11940	PABPC1	70.67	15.494	6.3	2	2	2	24395000	44159000	0.917	nucleus	K13126	AJ	KOG0123	Polyadenylate-binding protein (RRM superfamily)

O43707	ACTN4	104.85	323.31	71.2	48	80	33	3.96E+09	1.17E+10	0.915	cytoplasm	K05699	Z	KOG0035	Ca2+-binding actin-bundling protein (actinin), alpha chain
P50395	GDI2	50.663	15.426	4.5	2	3	2	53585000	88082000	0.913	endoplasmic reticulu	K17255	O	KOG1439	RAB proteins geranylgeranyltransferase component A (RAB escort protein)
P52209	PGD	53.139	31.17	13.7	5	6	5	53902000	1.39E+08	0.913	cytoplasm,nucleus	K00033	G	KOG2653	6-phosphogluconate dehydrogenase
Q16891	IMMT	83.677	211.6	43.3	24	32	24	8.46E+08	1.83E+09	0.903	mitochondria	K17785	M	KOG1854	Mitochondrial inner membrane protein (mitofilin)
Q9Y512	SAMM50	51.976	51.727	16.6	6	6	6	1.05E+08	1.59E+08	0.898	cytoplasm	K07277	R	KOG2602	Predicted cell surface protein homologous to bacterial outer membrane proteins
P17676	CEBPB	36.105	38.469	19.1	4	5	4	35107000	74370000	0.895	nucleus	K10048			
P62318	SNRPD3	13.916	51.628	53.2	5	8	5	2.81E+08	6.62E+08	0.892	cytoplasm	K11088	A	KOG3172	Small nuclear ribonucleoprotein Sm D3
Q9NR30	DDX21	87.343	11.949	4.2	2	2	2	17984000	41203000	0.888	cytoplasm,nucleus	K16911	A	KOG0331	ATP-dependent RNA helicase
P13639	EEF2	95.337	39.816	13.6	6	7	6	46310000	97633000	0.886	cytoplasm	K03234	J	KOG0469	Elongation factor 2
P46783	RPS10	18.898	48.493	38.2	5	10	5	2.29E+08	2.15E+09	0.886	nucleus	K02947	J	KOG3344	40s ribosomal protein s10
P18754	RCC1	44.969	115.39	50.8	11	14	11	3.86E+08	8.69E+08	0.882	nucleus	K11493			
Q9NVP1	DDX18	75.406	24.057	6.3	3	3	3	45458000	76925000	0.879	nucleus	K13179	A	KOG0342	ATP-dependent RNA helicase pitchoune
Q15287	RNPS1	34.208	48.054	23.3	5	8	5	1.43E+08	3.32E+08	0.875	nucleus	K14325	A	KOG4209	Splicing factor RNPS1, SR protein superfamily
P25398	RPS12	14.515	25.109	34.1	3	5	3	49025000	71815000	0.874	cytoplasm	K02951	J	KOG3406	40S ribosomal protein S12
P40429	RPL13A	23.577	19.102	14.8	3	3	3	29247000	57904000	0.869	cytoplasm	K02872	J	KOG3204	60S ribosomal protein L13a
P14618	PKM	57.936	294.48	72.5	27	40	27	1.68E+09	4.14E+09	0.867	cytoplasm	K00873	G	KOG2323	Pyruvate kinase
P55072	VCP	89.321	27.984	7.4	4	5	4	46812000	81607000	0.847	cytoplasm,nucleus	K13525	O	KOG0730	AAA+-type ATPase
P06733	ENO1	47.168	186.92	53.5	15	22	15	5.24E+08	1.22E+09	0.845	cytoplasm	K01689	G	KOG2670	Enolase
P07237	P4HB	57.116	21.837	8.5	4	4	4	29359000	83374000	0.838	extracellular	K09580	O	KOG0190	Protein disulfide isomerase (prolyl 4-hydroxylase beta subunit)
O75367	H2AFY	39.617	183.62	68.8	17	28	15	9.41E+08	2.56E+09	0.836	mitochondria	K11251	BK	KOG2633	Hismacro and SEC14 domain-containing proteins
Q00688	FKBP3	25.177	23.618	16.5	3	3	3	14188000	25173000	0.836	cytoplasm	K09570	O	KOG0544	FKBP-type peptidyl-prolyl cis-trans isomerase
P63261	ACTG1	41.792	323.31	95.5	38	130	2	1.18E+10	6.32E+10	0.834	cytoskeleton	K05692	Z	KOG0676	Actin and related proteins
P09972	ALDOC	39.455	18.737	16.8	4	6	2	86404000	2.53E+08	0.832	cytoplasm	K01623	G	KOG1557	Fructose-biphosphate aldolase
Q96C19	EFHD2	26.697	84.193	43.3	11	12	11	3.51E+08	9.06E+08	0.829	cytoplasm		R	KOG0041	Predicted Ca2+-binding protein, EF-Hand protein superfamily
P31930	UQCRC1	52.645	37.454	12.5	4	5	4	82151000	3.28E+08	0.821	mitochondria	K00414	O	KOG0960	Mitochondrial processing peptidase, beta subunit, and related enzymes
P07900	HSP90AA1	84.659	35.3	16	10	13	4	41650000	78295000	0.82	cytoplasm	K04079	O	KOG0020	Endoplasmic reticulum glucose-regulated protein (GRP94/endoplasmin)
Q6DKI1	RPL7L1	28.661	38.509	31.3	6	6	6	1.08E+08	2.08E+08	0.815	cytoplasm		J	KOG3184	60S ribosomal protein L7
P08238	HSP90AB1	83.263	106.07	25	14	16	6	2.42E+08	3.57E+08	0.814	cytoplasm	K04079	O	KOG0020	Endoplasmic reticulum glucose-regulated protein (GRP94/endoplasmin)
Q99729	HNRNPAB	36.224	22.316	12.7	3	4	3	61885000	99963000	0.812	nucleus	K13044	R	KOG0118	FOG: RRM domain
P28331	NDUFS1	79.467	36.535	13.6	5	5	5	42678000	1.37E+08	0.81	mitochondria	K03934	C	KOG2282	NADH-ubiquinone oxidoreductase, NDUFS1/75 kDa subunit
Q15149	PLEC	531.78	323.31	29.7	100	118	100	2.25E+09	4.12E+09	0.807	cytoplasm,nucleus	K10388	J	KOG3344	40s ribosomal protein s10
P56182	RRP1	52.839	26.155	13.7	4	4	4	38706000	92684000	0.804	nucleus	K14849	A	KOG3911	Nucleolar protein NOP52/RRP1
Q00059	TFAM	29.096	66.881	30.9	8	13	8	5.17E+08	8.46E+08	0.798	mitochondria	K11830	R	KOG0381	HMG box-containing protein
Q15427	SF3B4	44.385	17.566	11.1	2	3	2	1.01E+08	2.84E+08	0.795	nucleus	K12831	A	KOG0131	Splicing factor 3b, subunit 4
Q86V81	ALYREF	26.888	108.35	49.4	11	15	11	6.28E+08	1.66E+09	0.792	cytoplasm	K12881	A	KOG0533	RRM motif-containing protein
P45880	VDAC2	31.566	142.4	60.9	14	22	14	5.72E+08	1.22E+09	0.788	cytoplasm	K15040	P	KOG3126	Porin/voltage-dependent anion-selective channel protein
Q7Z406	MYH14	227.87	37.842	8.1	16	26	5	1.67E+08	2E+09	0.788	nucleus	K10352	Z	KOG0161	Myosin class II heavy chain
P05388	RPLP0	34.273	26.453	20.8	4	4	4	68020000	1.36E+08	0.78	cytoplasm,nucleus	K02941	J	KOG0815	60S acidic ribosomal protein P0
Q07021	C1QBP	31.362	23.571	21.6	3	3	3	32473000	1.04E+08	0.778	mitochondria	K15414	V	KOG4024	Complement component 1, Q subcomponent binding protein
P21796	VDAC1	30.772	176.48	79.2	16	29	16	1.01E+09	2.48E+09	0.77	cytoplasm	K05862	P	KOG3126	Porin/voltage-dependent anion-selective channel protein
P39023	RPL3	46.108	18.71	14.4	3	3	3	39271000	1.08E+08	0.77	cytoplasm	K02925	J	KOG0746	60S ribosomal protein L3 and related proteins
P60660	MYL6	16.93	135.52	81.5	12	37	10	2.94E+09	1.82E+10	0.767	cytoplasm	K12751	Z	KOG0030	Myosin essential light chain, EF-Hand protein superfamily
P15880	RPS2	31.324	78.112	42.7	10	11	10	2.5E+08	4.63E+08	0.76	cytoplasm	K02981	J	KOG0877	40S ribosomal protein S2/30S ribosomal protein S5
P15559	NQO1	30.867	38.08	22.6	4	6	4	1.7E+08	3.5E+08	0.759	cytoplasm	K00355			
P36542	ATP5F1C	32.996	12.471	6	2	2	2	20420000	31931000	0.757	mitochondria	K02136	C	KOG1531	F0F1-type ATP synthase, gamma subunit
P62424	RPL7A	29.995	84.3	37.6	10	11	10	2.38E+08	3.96E+08	0.757	cytoplasm	K02936	J	KOG3166	60S ribosomal protein L7A
P05204	HMGN2	9.3926	27.167	16.7	4	6	4	56696000	69429000	0.756	nucleus	K11300			
Q8TDN6	BRIX1	41.401	61.244	30.6	8	11	8	1.79E+08	4.4E+08	0.754	nucleus	K14820	J	KOG2971	RNA-binding protein required for biogenesis of the ribosomal 60S subunit
Q9Y2X3	NOP58	59.578	122.37	36.1	13	18	13	3.39E+08	6.82E+08	0.753	cytoplasm	K14565	AJ	KOG2572	Ribosome biogenesis protein - Nop58p/Nop5p
Q9Y221	NIP7	20.462	22.283	29.4	3	3	3	46442000	69574000	0.752	cytoplasm	K07565	J	KOG3492	Ribosome biogenesis protein NIP7
P04406	GAPDH	36.053	139.2	68.7	15	28	15	1.03E+09	2.3E+09	0.74	cytoplasm	K00134	G	KOG0657	Glyceraldehyde 3-phosphate dehydrogenase

P61353	RPL27	15.798	31.496	36	4	5	4	1.35E+08	2.7E+08	0.737	mitochondria	K02901	J	KOG3418	60S ribosomal protein L27
O00422	SAP18	17.561	71.412	62.1	9	12	9	3.05E+08	5.32E+08	0.722	nucleus	K14324	K	KOG3391	Transcriptional co-repressor component
P56537	EIF6	26.599	27.552	17.1	2	3	2	72516000	1.24E+08	0.717	cytoplasm,nucleus	K03264	J	KOG3185	Translation initiation factor 6 (eIF-6)
O76021	RSL1D1	54.972	134.21	30	15	20	15	7.98E+08	1.65E+09	0.714	nucleus	K14775	S	KOG1685	Uncharacterized conserved protein
P23396	RPS3	26.688	125.98	67.5	16	18	16	5.34E+08	9.96E+08	0.711	cytoplasm	K02985	J	KOG3181	40S ribosomal protein S3
Q5JTH9	RRP12	143.7	23.91	3.9	4	4	4	34147000	37577000	0.71	nucleus	K14794	S	KOG1248	Uncharacterized conserved protein
Q15397	PUM3	73.584	40.877	13.1	5	5	5	1.07E+08	2.28E+08	0.709	nucleus	K14844	J	KOG2050	Puf family RNA-binding protein
Q9BYG3	NIFK	34.222	48.093	27.3	5	5	5	88678000	1.41E+08	0.708	nucleus	K14838	R	KOG4208	Nucleolar RNA-binding protein NIFK
P46779	RPL28	15.747	17.872	18.2	3	3	3	22805000	45762000	0.701	mitochondria	K02903	J	KOG3412	60S ribosomal protein L28
P06703	S100A6	10.18	35.47	74.4	5	7	5	5.37E+08	1.11E+09	0.697	cytoplasm				
P18621	RPL17	21.397	25.202	23.9	3	5	3	95331000	1.43E+08	0.693	cytoplasm	K02880	J	KOG3353	60S ribosomal protein L22
Q02878	RPL6	32.728	81.771	37.2	11	16	11	2.96E+08	4.13E+08	0.693	cytoplasm	K02934	J	KOG1694	60s ribosomal protein L6
Q12905	ILF2	43.062	174.06	65.6	17	25	17	1.44E+09	3.32E+09	0.689	cytoplasm	K13089	K	KOG3793	Transcription factor NFAT, subunit NF45
P62280	RPS11	18.431	49.374	39.2	6	8	6	1.97E+08	3.53E+08	0.684	cytoplasm	K02949	J	KOG1728	40S ribosomal protein S11
P62888	RPL30	12.784	42.476	59.1	5	6	5	1.13E+08	1.62E+08	0.678	cytoplasm	K02908	J	KOG2988	60S ribosomal protein L30
Q9UNX3	RPL26L1	17.256	25.098	22.8	4	4	4	90882000	1.21E+08	0.674	nucleus	K02898	J	KOG3401	60S ribosomal protein L26
P55209	NAP1L1	45.374	21.934	11.8	3	3	3	61753000	64006000	0.67	cytoplasm,nucleus	K11279	BD	KOG1507	Nucleosome assembly protein NAP-1
P62906	RPL10A	24.831	53.658	31.3	6	10	6	2.77E+08	4.28E+08	0.665	cytoplasm,nucleus	K02865	J	KOG1570	60S ribosomal protein L10A
Q9UKM9	RALY	32.463	93.93	35.9	10	13	10	8.7E+08	1.77E+09	0.663	nucleus	K12895	R	KOG0118	FOG: RRM domain
P12956	XRCC6	69.842	12.043	3.3	2	2	2	17643000	19575000	0.661	cytoplasm	K10884	L	KOG2327	DNA-binding subunit of a DNA-dependent protein kinase (Ku70 autoantigen)
P00403	MT-CO2	25.565	38.93	36.1	6	6	6	1.62E+08	4.85E+08	0.657	plasma membrane	K02261	C	KOG4767	Cytochrome c oxidase, subunit II, and related proteins
P62269	RPS18	17.718	60.012	39.5	8	9	8	3.41E+08	6.87E+08	0.655	cytoplasm	K02964	J	KOG3311	Ribosomal protein S18
P09661	SNRPA1	28.415	59.861	25.5	5	9	5	91111000	2.69E+08	0.651	cytoplasm,nucleus	K11092	A	KOG1644	U2-associated snRNP A' protein
P63167	DYNLL1	10.366	21.284	37.1	2	4	1	61457000	1.12E+08	0.651	cytoplasm	K10418	Z	KOG3430	Dynein light chain type 1
Q9NR12	PDLIM7	49.844	27.028	17.9	4	4	4	86490000	1.08E+08	0.649	nucleus		TZ	KOG1703	Adaptor protein Enigma and related PDZ-LIM proteins
Q07020	RPL18	21.634	36.453	25	4	4	4	1.55E+08	3.12E+08	0.646	cytoplasm	K02883	J	KOG1714	60s ribosomal protein L18
Q9Y265	RUVBL1	50.227	20.391	11.6	3	4	3	44830000	55353000	0.628	cytoplasm	K04499	L	KOG1942	DNA helicase, TBP-interacting protein
P18124	RPL7	29.225	42.776	28.6	6	7	6	2.75E+08	3.73E+08	0.625	cytoplasm	K02937	J	KOG3184	60S ribosomal protein L7
P19105	MYL12A	19.794	179.35	84.2	15	50	1	3.05E+09	2.09E+10	0.625	mitochondria	K12757	Z	KOG0031	Myosin regulatory light chain, EF-Hand protein superfamily
Q9UKD2	MRTO4	27.56	12.488	9.6	2	3	2	57565000	74974000	0.623	nucleus	K14815	A	KOG0816	Protein involved in mRNA turnover
Q71UM5	RPS27L	9.4771	6.5039	15.5	1	2	1	60770000	88218000	0.622	extracellular	K02978	J	KOG1779	40s ribosomal protein S27
P63241	EIF5A	16.832	57.264	51.3	6	8	6	1.28E+08	1.85E+08	0.621	cytoplasm	K03263	J	KOG3271	Translation initiation factor 5A (eIF-5A)
O96008	TOMM40	37.893	85.027	53.7	9	13	9	4.5E+08	7.87E+08	0.62	nucleus	K11518	U	KOG3296	Translocase of outer mitochondrial membrane complex, subunit TOM40
P06748	NPM1	32.575	144.37	46.9	12	29	12	3.07E+09	5.91E+09	0.618	nucleus	K11276			
P31946	YWHAB	28.082	22.27	22.8	4	4	2	57969000	57058000	0.618	cytoplasm	K16197	O	KOG0841	Multifunctional chaperone (14-3-3 family)
P08708	RPS17	15.55	24.623	40	3	6	3	2.92E+08	4.32E+08	0.615	cytoplasm	K02962	J	KOG0187	40S ribosomal protein S17
P49207	RPL34	13.293	12.89	12.8	2	2	2	44205000	58632000	0.614	nucleus	K02915	J	KOG1790	60s ribosomal protein L34
P62841	RPS15	17.04	38.447	55.2	4	8	4	3.17E+08	6.08E+08	0.612	cytoplasm	K02958	J	KOG0898	40S ribosomal protein S15
P26447	S100A4	11.728	12.93	18.8	2	2	2	93639000	1.8E+08	0.61	extracellular				
P62277	RPS13	17.222	51.239	39.1	7	9	7	5.5E+08	1.2E+09	0.604	cytoplasm	K02953	J	KOG0400	40S ribosomal protein S13
Q9H7B2	RPF2	35.582	42.586	21.9	6	8	6	1.4E+08	2.08E+08	0.603	nucleus	K14847	J	KOG3031	Protein required for biogenesis of the ribosomal 60S subunit
P62854	RPS26	13.015	15.56	23.5	2	3	2	48127000	1E+08	0.602	cytoplasm		J	KOG1768	40s ribosomal protein S26
Q13765	NACA	23.384	20.383	13	2	2	2	24197000	28341000	0.602	cytoplasm	K03626	K	KOG2239	Transcription factor containing NAC and TS-N domains
P62829	RPL23	14.865	44.385	40	5	6	5	2.54E+08	3.93E+08	0.599	cytoplasm	K02894	J	KOG0901	60S ribosomal protein L14/L17/L23
P42766	RPL35	14.551	25.603	26	3	4	3	1.54E+08	1.98E+08	0.598	cytoplasm	K02918	J	KOG3436	60S ribosomal protein L35
P46781	RPS9	22.591	44.901	26.8	7	8	7	1.33E+08	2.24E+08	0.593	cytoplasm	K02997	J	KOG3301	Ribosomal protein S4
P39019	RPS19	16.06	55.907	38.6	8	9	8	2.98E+08	5.26E+08	0.588	cytoplasm	K02966	J	KOG3411	40S ribosomal protein S19
P83731	RPL24	17.779	13.67	13.4	2	2	2	61961000	82579000	0.587	cytoplasm	K02896	J	KOG1722	60s ribosomal protein L24
Q15366	PCBP2	38.58	73.114	40.5	8	12	7	4.08E+08	6.04E+08	0.577	cytoskeleton	K13162	AR	KOG2190	PolyC-binding proteins alphaCP-1 and related KH domain proteins
P19338	NCL	76.613	125.15	22.4	12	18	12	7.46E+08	1.24E+09	0.574	nucleus	K11294			
Q14974	KPNB1	97.169	12.635	2.7	2	2	2	24081000	32380000	0.574	cytoplasm	K14293	YU	KOG1241	Karyopherin (importin) beta 1

Q9H6F5	CCDC86	40.235	22.937	14.7	4	4	4	42139000	52210000	0.574	nucleus	K14822	R	KOG4538	Predicted coiled-coil protein
P05387	RPLP2	11.665	34.534	55.7	3	5	3	2.14E+08	3.2E+08	0.571	mitochondria	K02943	J	KOG3449	60S acidic ribosomal protein P2
P84243	H3F3A	15.328	26.518	61.8	12	32	2	2.33E+09	5.39E+09	0.567	nucleus	K11253	B	KOG1745	Histones H3 and H4
O75475	PSIP1	60.103	84.796	19.8	8	14	8	5.52E+08	7.73E+08	0.562	nucleus		K	KOG1904	Transcription coactivator
P62750	RPL23A	17.695	52.689	43.6	7	8	7	5.71E+08	8.69E+08	0.56	cytoplasm	K02893	J	KOG1751	60s ribosomal protein L23
O75531	BANF1	10.058	59.517	70.8	7	14	7	2.79E+09	5.27E+09	0.556	extracellular	K21870	BL	KOG4233	DNA-bridging protein BAF
P62861	FAU	6.6478	13.507	18.6	2	2	2	83690000	1.29E+08	0.556	nucleus	K02983	JO	KOG0009	Ubiquitin-like/40S ribosomal S30 protein fusion
Q9Y3U8	RPL36	12.254	21.984	21	3	3	3	1.07E+08	1.59E+08	0.556	nucleus	K02920	J	KOG3452	60S ribosomal protein L36
P05386	RPLP1	11.514	13.495	51.8	2	2	2	1.49E+08	2.32E+08	0.549	mitochondria	K02942	J	KOG1762	60s acidic ribosomal protein P1
O14880	MGST3	16.516	60.521	53.3	6	8	6	2.27E+08	1.09E+09	0.533	extracellular	K00799			
P17096	HMGA1	11.676	45.363	23.4	4	7	4	3.18E+08	6.19E+08	0.533	nucleus	K09282			
P46776	RPL27A	16.561	26.317	22.3	4	4	4	1.45E+08	1.4E+08	0.528	cytoplasm	K02900	J	KOG1742	60s ribosomal protein L15/L27
P68104	EEF1A1	50.14	166.43	52.2	17	29	8	1.61E+09	2.65E+09	0.526	cytoplasm	K03231	J	KOG0052	Translation elongation factor EF-1 alpha/Tu
P62899	RPL31	14.463	21.781	24.8	3	4	3	3.06E+08	4.24E+08	0.518	cytoplasm	K02910	J	KOG0893	60S ribosomal protein L31
P61247	RPS3A	29.945	61.179	34.5	8	10	8	2.94E+08	3.69E+08	0.511	nucleus	K02984	J	KOG1628	40S ribosomal protein S3A
P46778	RPL21	18.565	15.276	16.2	2	2	2	66782000	69890000	0.504	nucleus	K02889	J	KOG1732	60S ribosomal protein L21
P62081	RPS7	22.127	60.573	52.1	8	11	8	6.25E+08	9.42E+08	0.499	cytoplasm	K02993	J	KOG3320	40S ribosomal protein S7
Q92979	EMG1	26.72	18.191	18	3	3	3	62994000	62197000	0.496	nucleus	K14568			
P45973	CBX5	22.225	21.197	30.9	4	6	3	1.21E+08	99991000	0.48	nucleus	K11587			
P62266	RPS23	15.807	21.79	27.3	3	3	3	1.02E+08	1.63E+08	0.478	cytoplasm	K02973	J	KOG1749	40S ribosomal protein S23
P62249	RPS16	16.445	31.819	26.7	4	5	4	2.13E+08	3.16E+08	0.477	cytoplasm	K02960	J	KOG1753	40S ribosomal protein S16
P60866	RPS20	13.373	24.91	22.7	3	6	3	4.49E+08	6.5E+08	0.471	cytoplasm	K02969	J	KOG0900	40S ribosomal protein S20
P62917	RPL8	28.024	12.285	10.5	2	2	2	17638000	20150000	0.464	cytoplasm	K02938	J	KOG2309	60s ribosomal protein L2/L8
P35268	RPL22	14.787	23.328	30.5	2	2	2	2.33E+08	4.18E+08	0.459	nucleus	K02891	J	KOG3434	60S ribosomal protein L22
P62847	RPS24	15.423	18.4	20.3	2	2	2	1.89E+08	3.15E+08	0.456	cytoplasm	K02974	J	KOG3424	40S ribosomal protein S24
P26373	RPL13	24.261	22.164	11.4	2	3	2	1.42E+08	4.25E+08	0.446	cytoplasm	K02873	J	KOG3295	60S Ribosomal protein L13
P07910	HNRNPC	33.67	153.89	50.7	17	34	17	3.5E+09	7.76E+09	0.441	nucleus	K12884	R	KOG0118	FOG: RRM domain
P62979	RPS27A	17.965	55.233	42.3	6	14	6	7.7E+08	1.55E+09	0.44	extracellular	K02977	J	KOG0004	Ubiquitin/40S ribosomal protein S27a fusion
P62851	RPS25	13.742	21.177	22.4	3	3	3	90047000	90490000	0.434	nucleus	K02975	J	KOG1767	40S ribosomal protein S25
P57053	H2BFS	13.944	110.97	60.3	12	62	6	1.35E+10	1.44E+10	0.421	nucleus		B	KOG1744	Histone H2B
P26599	PTBP1	57.221	220.5	64.2	21	33	18	2.72E+09	4.72E+09	0.411	cytoplasm,nucleus	K13218	A	KOG1190	Polypyrimidine tract-binding protein
P62805	HIST1H4A	11.367	271.06	86.4	27	70	27	2.16E+10	2.32E+10	0.344	nucleus	K11254	B	KOG3467	Histone H4
P35659	DEK	42.674	16.472	6.7	2	2	2	70443000	47831000	0.331	nucleus	K17046	B	KOG2266	Chromatin-associated protein Dek and related proteins
Q13185	CBX3	20.811	43.747	45.9	5	6	3	4.77E+08	6.11E+08	0.331	nucleus	K11586	B	KOG1911	Heterochromatin-associated protein HP1 and related CHROMO domain proteins
P09429	HMGB1	24.893	53.2	39.1	7	8	5	3.32E+08	1.89E+08	0.297	nucleus	K10802	R	KOG0381	HMG box-containing protein
Q71DI3	HIST2H3A	15.388	114.43	72.1	14	39	3	2.17E+10	2.3E+10	0.276	nucleus	K11253	B	KOG1745	Histones H3 and H4
P62244	RPS15A	14.839	23.841	29.2	4	4	4	1.77E+08	2.36E+08	0.264	cytoplasm	K02957	J	KOG1754	40S ribosomal protein S15/S22
O15347	HMGB3	22.98	14.08	14.5	2	3	2	1.31E+08	56663000	0.242	nucleus	K11296	R	KOG0381	HMG box-containing protein
P68431	HIST1H3A	15.404	34.78	72.1	14	36	3	6.68E+09	6.98E+09	0.225	nucleus	K11253	B	KOG1745	Histones H3 and H4
Q71UI9	H2AFV	13.509	50.682	53.9	6	16	4	2.26E+09	6.77E+09	0.201	nucleus	K11251	B	KOG1757	Histone 2A
Q16777	HIST2H2AC	13.988	87.492	58.1	8	37	1	5.48E+09	6.18E+09	0.17	nucleus	K11251	B	KOG1756	Histone 2A
P16401	HIST1H1B	22.58	45.529	25.2	7	19	6	4.31E+08	2.27E+08	0.168	nucleus	K11275	B	KOG4012	Histone H1
P68366	TUBA4A	49.924	20.498	54	17	28	3	3.6E+08	1.84E+08	0.165	cytoskeleton	K07374	Z	KOG1376	Alpha tubulin
Q16778	HIST2H2BE	13.92	25.117	54.8	9	55	1	2.35E+09	2.8E+09	0.15	nucleus	K11252	B	KOG1744	Histone H2B
P16403	HIST1H1C	21.364	70.975	28.6	9	22	8	2.44E+09	1.11E+09	0.107	nucleus	K11275	B	KOG4012	Histone H1
A6NHQ2	FBLL1	34.803	13.4	6.9	3	5	2	1.28E+08	4.59E+08		nucleus	K14563			
A6NMZ7	COL6A6	247.17	5.6244	0.3	1	2	1	8863100	32431000		endoplasmic reticulur	K06238	W	KOG3544	Collagens (type IV and type XIII), and related proteins
O00299	CLIC1	26.922	6.2216	9.1	1	1	1	0	14455000		cytoplasm	K05021			
O00425	IGF2BP3	63.704	5.7634	4.7	2	2	1	7740500	25114000		cytoplasm	K13197	AR	KOG2193	IGF-II mRNA-binding protein IMP, contains RRM and KH domains
O00764	PDXK	35.102	7.3517	6.7	1	1	1	0	15943000		cytoplasm	K00868	H	KOG2599	Pyridoxal/pyridoxine/pyridoxamine kinase
O14548	COX7A2L	12.615	7.4336	11.4	1	1	1	26040000	8935100		cytoplasm	K02270			

O14561	NDUFAB1	17.417	6.665	9.6	1	1	1	19076000	42846000	mitochondria	K03955	CIQ	KOG1748	Acyl carrier protein/NADH-ubiquinone oxidoreductase
O14949	UQCRQ	9.9062	19.184	24.4	2	2	2	16497000	33371000	mitochondria	K00418	C	KOG4116	Ubiquinol cytochrome c reductase, subunit QCR8
O14974	PPP1R12A	115.28	18.455	3.5	2	3	2	1496200	40535000	nucleus	K06270	OT	KOG0505	Myosin phosphatase, regulatory subunit
O14979	HNRNPDL	46.437	9.3153	5.7	2	2	1	7332800	26663000	nucleus	K13044			
O15143	ARPC1B	40.949	6.4187	2.7	1	1	1	0	6607200	cytoplasm	K05757	Z	KOG1523	Actin-related protein Arp2/3 complex, subunit ARPC1/p41-ARC
O15144	ARPC2	34.333	5.7582	3.7	1	1	1	0	8704700	cytoplasm	K05758	Z	KOG2826	Actin-related protein Arp2/3 complex, subunit ARPC2
O15514	POLR2D	16.311	8.7078	14.1	1	1	1	8240600	41519000	cytoplasm	K03012	K	KOG2351	RNA polymerase II, fourth largest subunit
O15523	DDX3Y	73.153	8.749	2.6	1	1	1	0	8379300	nucleus	K17642	A	KOG0335	ATP-dependent RNA helicase
O43143	DHX15	90.932	5.6074	1.5	1	1	1	0	15867000	nucleus	K12820	A	KOG0925	mRNA splicing factor ATP-dependent RNA helicase
O43159	RRP8	50.714	9.3315	3.5	1	1	1	0	0	nucleus	K14850	A	KOG3045	Predicted RNA methylase involved in rRNA processing
O43504	LAMTOR5	9.6138	14.13	15.4	1	1	1	0	15379000	cytoskeleton	K16344			
O43570	CA12	39.45	15.077	9.9	2	2	2	5477700	56606000	extracellular	K01672	R	KOG0382	Carbonic anhydrase
O43678	NDUFA2	10.921	5.7938	21.2	1	1	1	5403700	13281000	mitochondria	K03946	C	KOG3446	NADH:ubiquinone oxidoreductase NDUFA2/B8 subunit
O43852	CALU	37.106	6.8954	6	1	1	1	3746800	14911000	extracellular		TU	KOG4223	Reticulocalbin, calumenin, DNA supercoiling factor of the CREC family (EF-Hand protein superfamily)
O60664	PLIN3	47.074	10.538	3.7	1	1	1	17069000	26341000	cytoplasm	K20287			
O60784	TOM1	53.818	6.8881	3.5	1	1	1	0	24041000	cytoplasm		U	KOG1087	Cytosolic sorting protein GGA2/TOM1
O60828	PQBP1	30.472	12.519	13.2	2	2	2	0	28920000	nucleus	K12865	K	KOG3427	Polyglutamine tract-binding protein PQBP-1
O75251	NDUFS7	23.563	11.116	6.6	1	1	1	6197300	23206000	mitochondria	K03940	C	KOG1687	NADH-ubiquinone oxidoreductase, NUFS7/PSST/20 kDa subunit
O75306	NDUFS2	52.545	5.6926	1.5	1	1	1	0	4280500	mitochondria	K03935	C	KOG2870	NADH:ubiquinone oxidoreductase, NDUFS2/49 kDa subunit
O75396	SEC22B	24.593	7.6914	6.5	1	1	1	3243400	24880000	endoplasmic reticulur	K08517			
O75431	MTX2	29.763	11.571	8.4	1	2	1	52956000	1.37E+08	cytoplasm	K17776	MU	KOG3027	Mitochondrial outer membrane protein Metaxin 2, Metaxin 1-binding protein
O75533	SF3B1	145.83	17.897	2.4	2	2	2	7789400	37550000	plasma membrane	K12828	A	KOG0213	Splicing factor 3b, subunit 1
O75683	SURF6	41.45	5.4869	1.9	1	1	1	0	0	nucleus		S	KOG2885	Uncharacterized conserved protein
O75874	IDH1	46.659	12.158	4.8	2	2	2	4102100	36785000	cytoplasm	K00031	C	KOG1526	NADP-dependent isocitrate dehydrogenase
O75880	SCO1	33.814	6.1446	5.3	1	1	1	9553500	40285000	mitochondria	K07152	C	KOG2792	Putative cytochrome C oxidase assembly protein
O75940	SMNDC1	26.711	15.222	13	2	3	2	6937200	22542000	nucleus	K12839	A	KOG3026	Splicing factor SPF30
O94826	TOMM70	67.454	12.805	5.8	2	2	2	10158000	64091000	endoplasmic reticulur	K17768	U	KOG0547	Translocase of outer mitochondrial membrane complex, subunit TOM70/TOM72
O94889	KLHL18	63.638	5.5906	1.2	1	1	1	20703000	2E+08	nucleus	K10455	TR	KOG4441	Proteins containing BTB/POZ and Kelch domains
O94973	AP2A2	103.96	11.892	2.6	2	2	1	2567400	12611000	cytoplasm	K11824	U	KOG1077	Vesicle coat complex AP-2, alpha subunit
O95182	NDUFA7	12.551	6.7433	15.9	1	1	1	13278000	41743000	mitochondria	K03951	C	KOG4630	NADH:ubiquinone oxidoreductase, NDUFA7/B14.5A subunit
O95425	SVIL	247.74	34.27	3.4	4	4	4	3083000	66999000	nucleus	K10369	Z	KOG0445	Actin regulatory protein supervillin (gelsolin/villin family)
O95613	PCNT	378.03	-2	0.4	1	1	1	0	0	nucleus	K16481			
O95782	AP2A1	107.54	6.3704	3.9	2	2	1	3958200	38005000	cytoplasm	K11824	U	KOG1077	Vesicle coat complex AP-2, alpha subunit
O95793	STAU1	63.182	11.882	4.5	2	2	2	12110000	23381000	nucleus	K17597	UK	KOG3732	Staufen and related double-stranded-RNA-binding proteins
O95816	BAG2	23.772	5.4999	10.4	1	1	1	3141000	13503000	cytoplasm	K09556	O	KOG3633	BAG family molecular chaperone regulator 2
P00387	CYB5R3	34.234	17.366	14.3	3	3	3	0	49408000	extracellular	K00326	HC	KOG0534	NADH-cytochrome b-5 reductase
P00450	CP	122.2	5.9239	1.6	1	1	1	0	17352000	endoplasmic reticulur	K13624	Q	KOG1263	Multicopper oxidases
P01116	KRAS	21.656	7.7576	13.2	1	1	1	15914000	39660000	cytoplasm	K07827	R	KOG0395	Ras-related GTPase
P02792	FTL	20.019	9.622	9.1	1	1	1	16635000	15554000	cytoplasm	K13625			
P02794	FTH1	21.225	6.2798	8.2	1	1	1	7740200	10069000	cytoplasm	K00522	P	KOG2332	Ferritin
P04080	CSTB	11.139	9.9269	21.4	1	2	1	0	14073000	cytoplasm	K13907			
P04156	PRNP	27.661	9.9192	4.7	1	1	1	11905000	38649000	extracellular	K05634			
P04259	KRT6B	60.066	12.221	13.1	10	0	0	0	77065000	nucleus	K07605			
P04632	CAPNS1	28.315	32.99	19.4	3	3	3	11330000	70495000	cytoplasm	K08583	T	KOG0037	Ca2+-binding protein, EF-Hand protein superfamily
P05976	MYL1	21.145	20.768	8.2	2	7	2	0	0	cytoplasm	K05738	Z	KOG0030	Myosin essential light chain, EF-Hand protein superfamily
P06454	PTMA	12.203	6.9758	12.6	1	1	1	9756100	8035600	cytoplasm	K13784			
P07948	LYN	58.573	5.4748	4.3	2	2	1	0	0	cytoplasm,nucleus	K05854	T	KOG0197	Tyrosine kinases
P08865	RPSA	32.854	26.808	23.1	3	3	3	8428400	42520000	cytoplasm	K02998	J	KOG0830	40S ribosomal protein SA (P40)/Laminin receptor 1
P09622	DLD	54.177	7.496	3.7	1	1	1	6189300	44160000	mitochondria	K00382	C	KOG1335	Dihydrolipoamide dehydrogenase
P0DPI3	CENPVL2	29.887	6.8835	2.9	1	1	1	9927200	40970000	mitochondria				
P10515	DLAT	68.996	5.861	2.6	1	1	1	0	0	mitochondria	K00627	C	KOG0557	Dihydrolipoamide acetyltransferase

P11217	PYGM	97.091	11.054	3.4	2	2	2	3901300	32647000	cytoplasm	K00688	G	KOG2099	Glycogen phosphorylase
P12235	SLC25A4	33.064	6.7433	31.9	8	10	1	2799000	15242000	mitochondria	K05863	C	KOG0749	Mitochondrial ADP/ATP carrier proteins
P12931	SRC	59.834	13.226	5.2	2	2	1	6490200	57499000	cytoplasm	K05704	T	KOG0197	Tyrosine kinases
P13010	XRCC5	82.704	9.5646	2.2	1	1	1	18904000	23683000	cytoplasm	K10885	L	KOG2326	DNA-binding subunit of a DNA-dependent protein kinase (Ku80 autoantigen)
P13473	LAMP2	44.96	17.701	4.9	2	2	2	5613100	53356000	extracellular	K06528			
P14174	MIF	12.476	6.4327	7.8	1	1	1	9031500	1.17E+08	cytoplasm,nucleus	K07253	V	KOG1759	Macrophage migration inhibitory factor
P14550	AKR1A1	36.573	7.7634	3.1	1	1	1	12381000	88726000	cytoplasm	K00002	R	KOG1577	Aldo/keto reductase family proteins
P15531	NME1	17.149	7.425	31.6	3	3	1	18359000	39178000	cytoplasm	K00940	F	KOG0888	Nucleoside diphosphate kinase
P15954	COX7C	7.2454	6.3913	27	1	1	1	23051000	63299000	mitochondria	K02272	C	KOG4527	Cytochrome c oxidase, subunit VIIc/COX8
P16104	H2AFX	15.144	7.5736	52.4	6	19	0	0	0	nucleus	K11251	B	KOG1756	Histone 2A
P16989	YBX3	40.089	13.295	9.7	2	2	1	13092000	17262000	nucleus	K06099	J	KOG3070	Predicted RNA-binding protein containing PIN domain
P17066	HSPA6	71.027	9.0598	11.7	6	9	1	47196000	1.16E+08	cytoplasm	K03283	O	KOG0101	Molecular chaperones HSP70/HSC70, HSP70 superfamily
P17480	UBTF	89.405	14.708	4.1	2	3	2	19316000	28691000	nucleus	K09273	R	KOG0381	HMG box-containing protein
P17844	DDX5	69.147	7.0362	2	1	1	1	3239200	8602000	nucleus	K12823	A	KOG0331	ATP-dependent RNA helicase
P17931	LGALS3	26.152	6.1018	6	1	1	1	0	0	cytoplasm,nucleus	K06831	W	KOG3587	Galectin, galactose-binding lectin
P18085	ARF4	20.511	33.278	16.7	2	2	1	14266000	67340000	cytoplasm	K07939	U	KOG0070	GTP-binding ADP-ribosylation factor Arf1
P19404	NDUFV2	27.391	6.2706	5.2	1	1	1	7539100	27798000	mitochondria	K03943	C	KOG3196	NADH:ubiquinone oxidoreductase, NDUFV2/24 kD subunit
P19525	EIF2AK2	62.094	6.3859	2.2	1	1	1	0	19915000	cytoplasm	K16195	J	KOG1033	eIF-2alpha kinase PEK/EIF2AK3
P21291	CSRP1	20.567	16.763	16.6	2	2	2	0	20787000	nucleus	K09377			
P23497	SP100	100.42	6.9185	2.2	2	2	1	0	5457100	nucleus	K15413	O	KOG2177	Predicted E3 ubiquitin ligase
P24539	ATP5F1	28.908	7.529	4.7	1	1	1	2932800	20836000	mitochondria	K02127			
P25787	PSMA2	25.898	7.4953	6	1	2	1	6262800	12291000	cytoplasm	K02726	O	KOG0181	20S proteasome, regulatory subunit alpha type PSMA2/PRE8
P27449	ATP6V0C	15.736	5.8043	11.6	1	1	1	7629700	28872000	plasma membrane	K02155	C	KOG0232	Vacuolar H+-ATPase V0 sector, subunits c/c'
P27816	MAP4	121	17.429	6.5	3	3	3	6617700	45590000	nucleus	K10431			
P28066	PSMA5	26.411	6.9936	5	1	1	1	8327000	11158000	cytoplasm	K02729	O	KOG0176	20S proteasome, regulatory subunit alpha type PSMA5/PUP2
P28289	TMOD1	40.569	18.487	15	4	4	3	12675000	63133000	cytoplasm	K10370	Z	KOG3735	Tropomodulin and leiomodulin
P29692	EEF1D	31.121	19.271	8.5	1	1	1	8186300	21900000	cytoplasm	K15410	K	KOG1668	Elongation factor 1 beta/delta chain
P29966	MARCKS	31.554	5.5636	5.4	1	1	1	1372200	6158400	nucleus	K12561			
P30041	PRDX6	25.035	10.178	7.6	1	2	1	0	42061000	mitochondria	K11188	O	KOG0854	Alkyl hydroperoxide reductase, thiol specific antioxidant and related enzymes
P30048	PRDX3	27.692	9.6957	5.5	1	1	1	5081600	17652000	mitochondria	K20011	O	KOG0852	Alkyl hydroperoxide reductase, thiol specific antioxidant and related enzymes
P30049	ATP5F1D	17.49	6.259	8.3	1	1	1	1980600	34064000	mitochondria	K02134	C	KOG1758	Mitochondrial F1F0-ATP synthase, subunit delta/ATP16
P30086	PEBP1	21.057	11.763	27.8	2	2	2	1853800	29433000	cytoplasm		R	KOG3346	Phosphatidylethanolamine binding protein
P30153	PPP2R1A	65.308	18.219	7	3	3	3	12909000	22634000	cytoplasm	K03456	T	KOG0211	Protein phosphatase 2A regulatory subunit A and related proteins
P31689	DNAJA1	44.868	6.1034	6.3	1	1	1	0	11114000	cytoplasm	K09502	O	KOG0712	Molecular chaperone (DnaJ superfamily)
P31942	HNRNPH3	36.926	6.3913	4	1	1	1	3575000	10546000	cytoplasm	K12898	A	KOG4211	Splicing factor hnRNP-F and related RNA-binding proteins
P31947	SFN	27.774	12.352	20.6	3	3	2	9397600	40503000	cytoplasm,nucleus	K06644	O	KOG0841	Multifunctional chaperone (14-3-3 family)
P32969	RPL9	21.863	17.691	38.5	3	3	3	10233000	40700000	cytoplasm	K02940	J	KOG3255	60S ribosomal protein L9
P34932	HSPA4	94.33	14.049	3.9	2	2	2	7851300	32912000	cytoplasm	K09489	O	KOG0103	Molecular chaperones HSP105/HSP110/SSE1, HSP70 superfamily
P35221	CTNNA1	100.07	5.5057	1.4	1	1	1	4134500	11142000	nucleus	K05691	W	KOG3681	Alpha-catenin
P35754	GLRX	11.776	10.667	39.6	2	2	2	0	47555000	cytoplasm	K03676	O	KOG1752	Glutaredoxin and related proteins
P36543	ATP6V1E1	26.145	7.1745	6.2	1	1	1	0	0	cytoplasm	K02150	C	KOG1664	Vacuolar H+-ATPase V1 sector, subunit E
P37108	SRP14	14.57	14.274	10.3	1	1	1	80715000	96060000	cytoplasm	K03104	U	KOG1761	Signal recognition particle, subunit Srp14
P40261	NNMT	29.574	6.7658	7.2	1	1	1	48815000	58823000	cytoplasm	K00541			
P40925	MDH1	36.426	10.518	5.1	1	1	1	4149900	19134000	cytoplasm	K00025	C	KOG1496	Malate dehydrogenase
P40939	HADHA	82.999	8.1466	2.8	1	1	1	0	8626500	mitochondria	K07515	I	KOG1683	Hydroxyacyl-CoA dehydrogenase/enoyl-CoA hydratase
P41223	BUD31	17	5.9224	5.6	1	1	1	0	15367000	extracellular	K12873	K	KOG3404	G10 protein/predicted nuclear transcription regulator
P42167	TMPO	50.67	9.4494	2.6	1	1	1	10621000	9145500	cytoplasm				
P42704	LRPPRC	157.9	18.324	2.4	3	3	3	7661400	18666000	mitochondria	K17964	A	KOG4318	Bicoid mRNA stability factor
P43307	SSR1	32.235	9.1812	5.2	1	1	1	31455000	71071000	endoplasmic reticulu	K13249	U	KOG1631	Translocon-associated complex TRAP, alpha subunit
P46777	RPL5	34.362	11.266	10.4	2	2	2	88553	32137000	nucleus	K02932	J	KOG0875	60S ribosomal protein L5
P47914	RPL29	17.752	9.2572	9.4	1	1	1	62899000	83623000	nucleus	K02905	J	KOG3504	60S ribosomal protein L29

P49458	SRP9	10.112	9.0865	12.8	1	1	1	28588000	28095000	cytoplasm	K03109	U	KOG3465	Signal recognition particle, subunit Srp9
P49821	NDUFV1	50.817	12.5	4.7	2	3	2	5127600	17039000	mitochondria	K03942	C	KOG2658	NADH:ubiquinone oxidoreductase, NDUFV1/51kDa subunit
P50238	CRIP1	8.5328	5.7614	36.4	1	1	1	3685900	22691000	nucleus		TZ	KOG1700	Regulatory protein MLP and related LIM proteins
P50914	RPL14	23.432	15.847	10.2	2	2	2	13057000	44241000	mitochondria	K02875	J	KOG3421	60S ribosomal protein L14
P50990	CCT8	59.62	5.5967	2.2	1	1	1	7544000	8919100	cytoplasm	K09500	O	KOG0362	Chaperonin complex component, TCP-1 theta subunit (CCT8)
P51148	RAB5C	23.482	5.5558	6.5	1	1	1	0	32160000	cytoplasm	K07889	U	KOG0092	GTPase Rab5/YPT51 and related small G protein superfamily GTPases
P51571	SSR4	18.998	8.4155	6.4	1	1	1	5025600	23569000	plasma membrane	K04571	U	KOG4088	Translocon-associated complex TRAP, delta subunit
P51572	BCAP31	27.991	13.625	7.3	2	2	2	5162900	26827000	endoplasmic reticulur	K14009	V	KOG1962	B-cell receptor-associated protein and related proteins
P52292	KPNA2	57.861	7.8933	2.8	1	1	1	6840100	11673000	cytoplasm,nucleus	K15043	U	KOG0166	Karyopherin (importin) alpha
P52597	HNRNPF	45.671	12.146	15.7	2	2	2	5163300	61309000	cytoplasm	K12898	A	KOG4211	Splicing factor hnRNP-F and related RNA-binding proteins
P52815	MRPL12	21.348	11.69	11.6	2	2	2	0	0	mitochondria	K02935	J	KOG1715	Mitochondrial/chloroplast ribosomal protein L12
P53396	ACLY	120.84	5.6466	1.3	1	1	1	0	0	cytoplasm	K01648	C	KOG1254	ATP-citrate lyase
P53567	CEBPG	16.408	6.3625	20.7	1	1	1	0	0	nucleus	K10049			
P54652	HSPA2	70.02	7.8145	12.5	6	6	1	11149000	18344000	cytoplasm	K03283	O	KOG0101	Molecular chaperones HSP70/HSC70, HSP70 superfamily
P54855	UGT2B15	61.036	6.1825	1.3	1	1	1	67849000	2.55E+08	peroxisome	K00699	GC	KOG1192	UDP-glucuronosyl and UDP-glucosyl transferase
P55084	HADHB	51.294	5.9778	5.5	1	1	1	0	67202000	nucleus	K07509	I	KOG1392	Acetyl-CoA acetyltransferase
P60228	EIF3E	52.22	6.771	2.9	1	1	1	0	0	cytoplasm	K03250	J	KOG2758	Translation initiation factor 3, subunit e (eIF-3e)
P60602	ROMO1	8.1828	11.904	21.5	1	1	1	13480000	33517000	extracellular		S	KOG4096	Uncharacterized conserved protein
P60709	ACTB	41.736	15.56	95.5	37	129	1	0	0	cytoskeleton	K05692	Z	KOG0676	Actin and related proteins
P61026	RAB10	22.541	8.4155	11	2	2	1	11795000	36198000	cytoplasm	K07903	TU	KOG0078	GTP-binding protein SEC4, small G protein superfamily
P61225	RAP2B	20.504	6.0578	6.6	1	1	1	0	11994000	cytoplasm	K07838	R	KOG0395	Ras-related GTPase
P61513	RPL37A	10.275	7.9589	19.6	1	1	1	12424000	13074000	extracellular	K02921	J	KOG0402	60S ribosomal protein L37
P61586	RHOA	21.768	5.5395	6.2	1	1	1	2490000	6892600	cytoplasm	K04513	R	KOG0393	Ras-related small GTPase, Rho type
P62263	RPS14	16.273	12.951	13.9	2	2	2	8468600	13448000	cytoplasm	K02955	J	KOG0407	40S ribosomal protein S14
P62273	RPS29	6.6767	5.4488	14.3	1	1	1	9848100	21171000	extracellular	K02980	J	KOG3506	40S ribosomal protein S29
P62304	SNRPE	10.803	14.313	40.2	2	2	2	1.16E+08	2.77E+08	mitochondria	K11097	A	KOG1774	Small nuclear ribonucleoprotein E
P62328	TMSB4X	5.0526	5.7749	31.8	1	1	1	6968900	29006000	nucleus	K05764	N	KOG4794	Thymosin beta
P62834	RAP1A	20.987	6.8051	5.4	1	1	1	2849400	18419000	cytoplasm	K04353	R	KOG0395	Ras-related GTPase
P62857	RPS28	7.8409	9.8793	17.4	1	2	1	34313000	69242000	mitochondria	K02979	J	KOG3502	40S ribosomal protein S28
P62942	FKBP1A	11.951	14.963	28.7	2	2	2	2785200	32668000	cytoplasm	K09568	O	KOG0544	FKBP-type peptidyl-prolyl cis-trans isomerase
P62995	TRA2B	33.665	6.9499	5.6	1	1	1	5514300	13524000	nucleus	K12897			
P63092	GNAS	45.664	10.791	9.4	3	3	2	2889400	21121000	cytoplasm	K04632	T	KOG0099	G protein subunit Galphas, small G protein superfamily
P63173	RPL38	8.2178	12.651	18.6	1	1	1	61710000	88103000	nucleus	K02923	J	KOG3499	60S ribosomal protein L38
P63313	TMSB10	5.0256	8.543	31.8	1	1	1	61494000	1.11E+08	cytoplasm	K13785	N	KOG4794	Thymosin beta
P67812	SEC11A	20.625	9.0012	6.7	1	1	1	0	0	cytoplasm	K13280	U	KOG3342	Signal peptidase I
P78417	GSTO1	27.566	5.8036	3.3	1	1	1	0	0	cytoplasm	K00799	O	KOG0406	Glutathione S-transferase
P84077	ARF1	20.697	7.3522	21	2	2	1	0	17636000	cytoplasm	K07937	U	KOG0070	GTP-binding ADP-ribosylation factor Arf1
P84098	RPL19	23.466	11.447	8.7	1	1	1	0	0	cytoplasm	K02885	J	KOG1696	60s ribosomal protein L19
P84103	SRSF3	19.329	6.3039	12.8	1	1	1	0	28029000	nucleus	K12892	A	KOG0107	Alternative splicing factor SRp20/9G8 (RRM superfamily)
P98187	CYP4F8	59.994	5.7738	1.5	1	1	1	0	0	plasma membrane	K17728			
Q01082	SPTBN1	274.61	34.147	2.8	5	5	5	5241600	27824000	cytoplasm	K06115	Z	KOG0035	Ca2+-binding actin-bundling protein (actinin), alpha chain
Q01469	FABP5	15.164	22.266	25.9	2	2	2	1.89E+08	77514000	extracellular	K08754	I	KOG4015	Fatty acid-binding protein FABP
Q01518	CAP1	51.901	5.6686	2.7	1	2	1	0	0	cytoplasm	K17261	ZT	KOG2675	Adenylate cyclase-associated protein (CAP/Srv2p)
Q01995	TAGLN	22.611	19.333	17.4	3	3	3	1352200	87694000	cytoplasm	K20526	Z	KOG2046	Calponin
Q03701	CEBPZ	120.97	5.7113	2.1	1	1	1	0	0	nucleus	K14832	JK	KOG2038	CAATT-binding transcription factor/60S ribosomal subunit biogenesis protein
Q05682	CALD1	93.23	6.7682	2.3	1	1	1	5371700	40718000	nucleus	K12327			
Q06323	PSME1	28.723	18.841	12	3	3	3	7276200	54218000	nucleus	K06696	O	KOG4470	Proteasome activator subunit
Q07666	KHDRBS1	48.227	5.9412	6.5	1	1	1	15118000	80492000	cytoplasm	K13198	A	KOG1588	RNA-binding protein Sam68 and related KH domain proteins
Q08211	DHX9	140.96	13.825	2.8	2	2	2	8517900	69707000	nucleus	K13184	A	KOG0920	ATP-dependent RNA helicase A
Q12797	ASPH	85.862	8.0841	2.4	1	1	1	9173100	22070000	plasma membrane	K00476	O	KOG3696	Aspartyl beta-hydroxylase
Q12860	CNTN1	113.32	11.369	2.8	2	2	2	0	10733000	plasma membrane	K06759	T	KOG3513	Neural cell adhesion molecule L1

Q13011	ECH1	35.816	7.2928	6.7	1	1	1	0	32763000	mitochondria	K12663	I	KOG1681	Enoyl-CoA isomerase
Q13423	NNT	113.89	23.343	5.9	4	4	4	0	52574000	plasma membrane	K00323			
Q13478	IL18R1	62.303	6.4925	1.3	1	1	1	7134500	28674000	peroxisome	K05173			
Q13492	PICALM	70.754	12.388	8.1	2	2	2	7122700	63954000	nucleus	K20044	TU	KOG0251	Clathrin assembly protein AP180 and related proteins, contain ENTH domain
Q13601	KRR1	43.664	14.695	7.3	1	1	1	3981300	17204000	nucleus	K06961	JD	KOG2874	rRNA processing protein
Q13617	CUL2	86.982	5.8013	1.2	1	1	1	34062000	2.99E+08	cytoplasm	K03870	O	KOG2284	E3 ubiquitin ligase, Cullin 2 component
Q13895	BYSL	49.601	5.7002	3	1	1	1	0	0	cytoplasm	K14797	W	KOG3871	Cell adhesion complex protein bystin
Q14126	DSG2	122.29	9.9498	2.1	1	1	1	6665900	26805000	plasma membrane	K07597	S	KOG3594	FOG: Cadherin repeats
Q14573	ITPR3	304.1	11.896	1.2	2	2	2	5187700	30066000	plasma membrane	K04960	T	KOG3533	Inositol 1,4,5-trisphosphate receptor
Q14847	LASP1	29.717	6.2428	5	1	1	1	24887000	51365000	nucleus		Z	KOG1702	Nebulin repeat protein
Q14914	PTGR1	35.869	11.436	7	1	1	1	10108000	43854000	cytoplasm	K13948	R	KOG1196	Predicted NAD-dependent oxidoreductase
Q15005	SPCS2	25.003	10.968	8.4	1	1	1	4438600	38679000	plasma membrane	K12947	U	KOG4072	Signal peptidase complex, subunit SPC25
Q15019	SEPT2	41.487	5.4982	6.4	1	1	1	0	0	cytoplasm	K16942	DZU	KOG2655	Septin family protein (P-loop GTPase)
Q15181	PPA1	32.66	5.8487	5.5	1	1	1	4432800	23881000	cytoplasm	K01507	C	KOG1626	Inorganic pyrophosphatase/Nucleosome remodeling factor, subunit NURF38
Q15363	TMED2	22.761	18.166	24.9	3	3	3	0	1.37E+08	extracellular	K20347	U	KOG1692	Putative cargo transport protein EMP24 (p24 protein family)
Q15388	TOMM20	16.298	9.0043	13.8	1	1	1	11250000	30756000	extracellular	K17770	U	KOG4056	Translocase of outer mitochondrial membrane complex, subunit TOM20
Q15637	SF1	68.329	5.8963	3.3	1	1	1	17632000	15211000	nucleus	K13095	A	KOG0119	Splicing factor 1/branch point binding protein (RRM superfamily)
Q15836	VAMP3	11.309	8.0807	24	1	1	1	3027900	14594000	plasma membrane	K13505	U	KOG0860	Synaptobrevin/VAMP-like protein
Q16352	INA	55.39	17.4	6	3	3	2	6064500	41792000	nucleus	K07608			
Q16555	DPYSL2	62.293	8.5422	3.5	1	1	1	9338300	37294000	cytoplasm,nucleus	K07528	F	KOG2584	Dihydroorotase and related enzymes
Q3ZCM7	TUBB8	49.775	6.568	18.5	6	9	1	28679000	70993000	cytoplasm	K07375	Z	KOG1375	Beta tubulin
Q53GQ0	HSD17B12	34.324	6.6243	4.8	1	1	1	0	27252000	cytoplasm	K10251	I	KOG1014	17 beta-hydroxysteroid dehydrogenase type 3, HSD17B3
Q58FF8	HSP90AB2P	44.348	9.9593	12.1	4	5	1	7454500	24015000	cytoplasm	K04079			
Q5GLZ8	HERC4	118.56	5.9429	1.1	1	1	1	0	0	nucleus	K10615	O	KOG0941	E3 ubiquitin protein ligase
Q5M775	SPECC1	118.58	7.8801	1.2	1	1	1	0	51071000	nucleus		R	KOG4678	FOG: Calponin homology domain
Q5RI15	COX20	13.291	9.5323	19.5	1	1	1	0	24102000	cytoplasm	K18184			
Q5T2N8	ATAD3C	46.379	6.2077	3.4	1	1	1	3982500	17031000	cytoplasm		O	KOG0742	AAA+-type ATPase
Q5TGY3	AHDC1	168.35	-2	0.4	1	1	1	0	0	nucleus	K22592			
Q5TGZ0	MINOS1	8.8081	5.5134	41	1	1	1	0	0	mitochondria	K17784	S	KOG4604	Uncharacterized conserved protein
Q5UIP0	RIF1	274.46	5.6115	0.3	1	1	1	0	0	cytoplasm	K11138			
Q6PIJ6	FBXO38	133.94	5.5397	0.8	1	1	1	31275000	36486000	nucleus	K10313			
Q6R327	RICTOR	192.22	-2	0.6	1	1	1	0	0	nucleus	K08267	D	KOG3694	Protein required for meiosis
Q6UW68	TMEM205	21.198	14.074	6.9	1	1	1	6643700	31303000	extracellular		S	KOG2886	Uncharacterized conserved protein
Q71U36	TUBA1A	50.135	12.117	59.9	18	28	1	0	0	cytoskeleton	K07374	Z	KOG1376	Alpha tubulin
Q7Z434	MAVS	56.527	5.6769	4.3	1	1	1	0	0	cytoplasm	K12648			
Q7Z6B0	CCDC91	49.971	6.3999	2	1	1	1	0	0	cytoplasm				
Q7Z6I8	C5orf24	20.132	6.5904	11.2	1	1	1	12990000	20774000	nucleus				
Q7Z7K0	CMC1	12.49	6.0891	9.4	1	1	1	3305100	16535000	extracellular	K18171	S	KOG4624	Uncharacterized conserved protein
Q86U42	PABPN1	32.749	8.1029	9.2	1	1	1	0	36300000	nucleus	K14396	A	KOG4209	Splicing factor RNPS1, SR protein superfamily
Q86VV8	RTTN	248.63	6.4476	0.3	1	1	1	0	0	plasma membrane	K16484			
Q86XN8	MEX3D	64.882	6.1853	1.1	1	1	1	23343000	29115000	cytoplasm,nucleus	K15686	R	KOG2113	Predicted RNA binding protein, contains KH domain
Q86Y39	NDUFA11	14.852	7.763	10.6	1	1	1	5290400	25968000	mitochondria	K03956			
Q8IUE6	HIST2H2AB	13.995	6.7166	57.7	5	11	1	2.01E+08	1.68E+08	nucleus	K11251	B	KOG1756	Histone 2A
Q8IVF2	AHNAK2	616.62	13.338	5.2	2	2	2	1453600	76244000	nucleus				
Q8N257	HIST3H2BB	13.908	6.2488	50.8	8	53	1	6876600	5978800	nucleus	K11252	B	KOG1744	Histone H2B
Q8N283	ANKRD35	109.96	6.71	0.8	1	1	1	4123600	39366000	mitochondria				
Q8N2U0	TMEM256	11.741	8.4805	24.8	1	1	1	11093000	56113000	mitochondria		S	KOG3472	Predicted small membrane protein
Q8N3E9	PLCD3	89.257	10.162	2.9	1	1	1	5049500	31490000	mitochondria	K05857	T	KOG0169	Phosphoinositide-specific phospholipase C
Q8N4H5	TOMM5	6.0352	6.8738	19.6	1	1	1	8737100	14948000	cytoplasm	K17773			
Q8N8Y2	ATP6V0D2	40.426	11.358	5.1	1	1	1	3995900	19494000	cytoplasm	K02146	C	KOG2957	Vacuolar H+-ATPase V0 sector, subunit d
Q8NAV1	PRPF38A	37.476	5.7403	3.8	1	1	1	0	13461000	nucleus	K12849	S	KOG2889	Predicted PRP38-like splicing factor

Q8ND76	CCNY	39.336	5.8103	4.4	1	1	1	0	16965000	nucleus		R	KOG1675	Predicted cyclin
Q8NE86	MCU	39.866	10.867	5.4	1	1	1	13576000	45060000	mitochondria	K20858	R	KOG2966	Uncharacterized conserved protein
Q8WTT2	NOC3L	92.547	13.589	4.4	2	2	2	9971800	40562000	nucleus	K14834	JU	KOG2153	Protein involved in the nuclear export of pre-ribosomes
Q8WWI1	LMO7	192.69	9.0215	0.8	1	1	1	21694000	9338000	nucleus	K06084	TZR	KOG1704	FOG: LIM domain
Q8WXE9	STON2	101.16	7.198	1	1	1	1	17216000	1.33E+08	plasma membrane	K20067	U	KOG2677	Stoned B synaptic vesicle biogenesis protein
Q8WZ42	TTN	3816	5.516	0	1	1	1	0	24624000		K12567	Z	KOG0613	Projectin/twitchin and related proteins
Q92614	MYO18A	233.11	17.6	1.9	2	2	2	2518800	29474000	nucleus	K10362	Z	KOG0161	Myosin class II heavy chain
Q96A26	FAM162A	17.342	6.5455	13	1	1	1	0	15158000	plasma membrane				
Q96AG4	LRRC59	34.93	5.876	3.9	1	2	1	21430000	24854000	cytoplasm,peroxisome		S	KOG0473	Leucine-rich repeat protein
Q96AY2	EME1	63.251	5.5701	1.6	1	1	1	0	2.56E+08	nucleus	K10882			
Q96B49	TOMM6	8.0019	7.1713	18.9	1	1	1	0	0	cytoplasm,nucleus	K17772			
Q96CS3	FAF2	52.623	16.557	10.1	2	2	2	9925200	53915000	cytoplasm	K18726	T	KOG1363	Predicted regulator of the ubiquitin pathway (contains UAS and UBX domains)
Q96CW1	AP2M1	49.654	5.7793	3.7	1	1	1	0	6015300	cytoplasm	K11826	U	KOG0937	Adaptor complexes medium subunit family
Q96DI7	SNRNP40	39.31	17.086	8.4	1	1	1	5436800	39994000	nucleus	K12857	A	KOG0265	U5 snRNP-specific protein-like factor and related proteins
Q96EU6	RRP36	29.823	5.5604	5.8	1	1	1	0	0	nucleus	K14795	S	KOG3190	Uncharacterized conserved protein
Q96FJ2	DYNLL2	10.35	7.7422	37.1	2	3	1	0	18194000	cytoplasm	K10418	Z	KOG3430	Dynein light chain type 1
Q96IX5	USMG5	6.4575	7.9504	25.9	1	1	1	8224600	38931000	cytoplasm	K18194			
Q96LW4	PRIMPOL	64.411	5.5479	2.1	1	1	1	0	0	cytoplasm,nucleus	K22761			
Q96S97	MYADM	35.273	11.327	7.1	1	1	1	23897000	94638000	plasma membrane		V	KOG4788	Members of chemokine-like factor super family and related proteins
Q96ST3	SIN3A	145.17	5.6198	1	1	1	1	0	0	nucleus	K11644	B	KOG4204	Histone deacetylase complex, SIN3 component
Q99439	CNN2	33.697	7.0667	5.2	1	1	1	0	0	cytoplasm		Z	KOG2046	Calponin
Q99497	PARK7	19.891	6.1061	13.8	1	1	1	0	0	cytoplasm	K05687	RV	KOG2764	Putative transcriptional regulator DJ-1
Q99640	PKMYT1	54.521	5.6913	1.8	1	1	1	1.94E+09	2.39E+09	nucleus	K06633	D	KOG0601	Cyclin-dependent kinase WEE1
Q99878	HIST1H2AJ	13.936	10.603	58.6	8	37	0	0	0	nucleus	K11251	B	KOG1756	Histone 2A
Q9BPU6	DPYSL5	61.421	6.1601	1.2	1	2	1	6.27E+08	7.39E+08	cytoplasm	K07529	F	KOG2584	Dihydroorotase and related enzymes
Q9BQE3	TUBA1C	49.895	11.763	56.3	17	24	1	40820000	65044000	cytoskeleton	K07374	Z	KOG1376	Alpha tubulin
Q9BRT6	LLPH	15.225	7.468	12.4	1	1	1	11444000	11424000	nucleus		S	KOG4811	Uncharacterized conserved protein
Q9BTV4	TMEM43	44.875	19.897	7.5	3	3	3	2836700	16768000	plasma membrane				
Q9BUF5	TUBB6	49.857	6.74	16.4	7	10	1	0	6710500	cytoplasm,nucleus	K07375	Z	KOG1375	Beta tubulin
Q9BVA1	TUBB2B	49.953	7.6727	29.2	10	17	1	6663000	21205000	cytoplasm	K07375	Z	KOG1375	Beta tubulin
Q9BVI4	NOC4L	58.467	6.9148	4.1	1	1	1	16125000	24721000	cytoplasm	K14771	J	KOG2154	Predicted nucleolar protein involved in ribosome biogenesis
Q9BVJ6	UTP14A	87.977	10.913	3	2	2	2	0	0	nucleus	K14567	S	KOG2172	Uncharacterized conserved protein
Q9BVK6	TMED9	27.277	19.201	8.9	2	2	2	4324000	23939000	peroxisome	K20346	U	KOG1690	emp24/gp25L/p24 family of membrane trafficking proteins
Q9BW72	HIGD2A	11.528	9.03	23.6	1	1	1	21147000	63616000	cytoplasm,mitochondria		R	KOG4431	Uncharacterized protein, induced by hypoxia
Q9BWJ5	SF3B5	10.135	11.428	27.9	2	2	2	3381200	16432000	extracellular	K12832	S	KOG3485	Uncharacterized conserved protein
Q9BXY0	MAK16	35.368	5.7458	6.3	1	1	1	4782900	17969000	nucleus	K14831	A	KOG3064	RNA-binding nuclear protein (MAK16) containing a distinct C4 Zn-finger
Q9BZI7	UPF3B	57.761	-2	1.9	1	1	1	0	0	cytoplasm,nucleus	K14328	A	KOG1295	Nonsense-mediated decay protein Upf3
Q9BZZ5	API5	59.004	19.212	3.4	1	1	1	19785000	58117000	cytoplasm		T	KOG2213	Apoptosis inhibitor 5/fibroblast growth factor 2-interacting factor 2
Q9C002	NMES1	9.6172	13.611	32.5	2	2	2	0	0	extracellular				
Q9C005	DPY30	11.25	17.119	36.4	2	2	2	32286000	80674000	cytoplasm	K14965	K	KOG4109	Histone H3 (Lys4) methyltransferase complex, subunit CPS25/DPY-30
Q9H061	TMEM126A	21.527	5.5456	10.3	1	1	1	3464600	17546000	cytoplasm	K18157			
Q9H307	PNN	81.627	8.5561	2.4	1	1	1	4483000	26169000	nucleus	K13114	Z	KOG3756	Pinin (desmosome-associated protein)
Q9H8H0	NOL11	81.123	7.5053	1.9	1	1	1	10165000	34734000	cytoplasm				
Q9HAW7	UGT1A7	59.818	5.8913	2.3	1	1	1	0	0	plasma membrane	K00699	GC	KOG1192	UDP-glucuronosyl and UDP-glucosyl transferase
Q9HBG6	IFT122	141.82	10.434	1.5	2	2	2	26461000	2507200	cytoplasm	K19656	R	KOG1538	Uncharacterized conserved protein WDR10, contains WD40 repeats
Q9HDC9	APMAP	46.48	6.7424	6.5	1	1	1	11600000	44347000	plasma membrane	K21407	R	KOG1520	Predicted alkaloid synthase/Surface mucin Hemomucin
Q9NPE3	NOP10	7.7059	12.458	20.3	1	1	1	44365000	1.7E+08	cytoplasm	K11130	A	KOG3503	H/ACA snoRNP complex, subunit NOP10
Q9NPG4	PCDH12	128.99	5.6904	0.8	1	1	1	37543000	0	endoplasmic reticulu	K16499	S	KOG3594	FOG: Cadherin repeats
Q9NQC3	RTN4	129.93	11.755	4.9	2	2	2	2.46E+08	2.87E+08	plasma membrane	K20720	U	KOG1792	Reticulon
Q9NQG5	RPRD1B	36.899	12.844	7.4	2	2	2	4327400	14111000	nucleus	K15559	A	KOG2669	Regulator of nuclear mRNA
Q9NSI2	FAM207A	25.456	5.9571	6.1	1	1	1	0	0	nucleus				

Q9NX40	OCIAD1	27.626	12.761	18.8	2	2	2	7684700	47680000	nucleus				
Q9NY93	DDX56	61.589	9.3496	2.7	1	1	1	7122800	11793000	nucleus	K14810	A	KOG0346	RNA helicase
Q9NZ45	CISD1	12.199	5.9327	12	1	1	1	0	14742000	extracellular		R	KOG3461	CDGSH-type Zn-finger containing protein
Q9NZN4	EHD2	61.161	20.895	10.3	3	3	3	5540300	80564000	cytoplasm	K12469	TU	KOG1954	Endocytosis/signaling protein EHD1
Q9P035	HACD3	43.159	6.1709	6.1	1	1	1	3325100	47841000	cytoplasm	K10703	R	KOG3187	Protein tyrosine phosphatase-like protein PTPLA (contains Pro)
Q9P0J0	NDUFA13	16.698	18.473	16	2	2	2	7295600	37105000	cytoplasm	K11353	CD	KOG3300	NADH:ubiquinone oxidoreductase, B16.6 subunit/cell death-regulatory protein
Q9P2E9	RRBP1	152.45	5.6389	1.2	1	1	1	0	0	endoplasmic reticulu	K14000			
Q9UBD6	RHCG	53.178	23.575	9.2	2	3	2	3858700	70541000	plasma membrane	K06580	UR	KOG3796	Ammonium transporter RHBG
Q9UDW1	UQCR10	7.3084	7.2677	27	1	1	1	4543400	12839000	mitochondria	K00419	C	KOG3494	Ubiquinol cytochrome c oxidoreductase, subunit QCR9
Q9UJC5	SH3BGRL2	12.326	5.5437	12.1	1	1	1	0	21047000	cytoplasm		S	KOG4023	Uncharacterized conserved protein
Q9UM00	TMCO1	21.175	8.3169	8	1	1	1	7150400	45256000	extracellular	K21891	S	KOG3312	Predicted membrane protein
Q9UMY1	NOL7	29.426	6.7256	5.4	1	1	1	15385000	21291000	nucleus				
Q9UQ80	PA2G4	43.786	6.1233	5.8	1	1	1	11917000	13548000	nucleus		R	KOG2776	Metallopeptidase
Q9Y224	RTRAF	28.068	14.607	13.9	2	2	2	18730000	57139000	cytoplasm	K15433	R	KOG4380	Carnitine deficiency associated protein
Q9Y241	HIGD1A	10.143	7.1218	19.4	1	1	1	0	15337000	cytoplasm		R	KOG4431	Uncharacterized protein, induced by hypoxia
Q9Y281	CFL2	18.736	10.625	39.2	5	8	2	7478900	33080000	mitochondria	K05765	Z	KOG1735	Actin depolymerizing factor
Q9Y295	DRG1	40.542	5.5475	3	1	1	1	0	0	cytoplasm		T	KOG1487	GTP-binding protein DRG1 (ODN superfamily)
Q9Y333	LSM2	10.834	13.51	28.4	2	3	2	14493000	76749000	cytoplasm	K12621	A	KOG3448	Predicted snRNP core protein
Q9Y3B3	TMED7	25.171	7.7208	5.8	1	1	1	0	18200000	mitochondria	K20349	U	KOG1693	emp24/gp25L/p24 family of membrane trafficking proteins
Q9Y3B4	SF3B6	14.585	5.5693	11.2	1	1	1	14344000	36025000	nucleus	K12833	R	KOG0114	Predicted RNA-binding protein (RRM superfamily)
Q9Y3B9	RRP15	31.484	5.5586	3.9	1	1	1	0	0	nucleus		S	KOG2974	Uncharacterized conserved protein
Q9Y3C1	NOP16	21.188	6.2276	3.9	1	1	1	8380600	12981000	nucleus		S	KOG4706	Uncharacterized conserved protein
Q9Y3T9	NOC2L	84.918	8.1003	2.1	1	1	1	2564200	15010000	nucleus	K14833	J	KOG2256	Predicted protein involved in nuclear export of pre-ribosomes
Q9Y5J1	UTP18	62.003	6.0631	3.1	1	1	1	0	11635000	nucleus	K14553	R	KOG2055	WD40 repeat protein

Supplementary Information

Supplementary Table 3. A representative list of proteins subject to remarkable methylation or demethylation in senescent cells.

A. Differentially modified sites summary (Filtered with threshold value of expression fold change, dimethylation)

Compare group	Regulated type	Fold change >1.2	Fold change >1.3	Fold change >1.5	Fold change >2
SEN/CTRL	up-regulated	(0)	(0)	(0)	(0)
	down-regulated	1 (1)	1 (1)	1 (1)	(0)

Protein accession	Position	Amino acid	Protein description	Gene name	Localization probability	PEP	Score	Modified sequence	Charge	Mass error [ppm]	MS/MS Count	CTRL	SEN	SEN/CTRL Ratio
Q71DI3	**36**	**K**	**Histone H3.2**	HIST2H3A	0.837398	0.0267953	64.22	KSAPATGGVK(0.837)K(0.16	4	-2.4441	1	5175500	15592000	**0.554**

B. Differentially modified sites summary (Filtered with threshold value of expression fold change, trimethylation)

Compare group	Regulated type	Fold change >1.2	Fold change >1.3	Fold change >1.5	Fold change >2
BLEO/CTRL	up-regulated	1 (1)	1 (1)	1 (1)	(0)
	down-regulated	3 (2)	3 (2)	2 (2)	(0)

Protein accession	Position	Amino acid	Protein description	Gene name	Localization probability	PEP	Score	Modified sequence	Charge	Mass error [ppm]	MS/MS Count	CTRL	SEN	SEN/CTRL Ratio
P05141	52	K	ADP/ATP translocase 2	SLC25A5	1	0.001817	129	QYK(1)GIIDCVVR	2	-0.78278	2	42366000	1.75E+08	1.66
P0DP25	116	K	Calmodulin-3	CALM3	1	4.783E-18	231.9	HVMTNLGEK(1)LTDEEVDE	3	-0.4112	11	1.54E+09	7.47E+09	0.863
P68104	318	K	Elongation factor 1-alpha 1	EEF1A1	1	0.0643065	63.82	NVSVK(1)DVR	2	-0.84943	1	36018000	46913000	0.526
P68104	79	K	Elongation factor 1-alpha 1	EEF1A1	1	8.348E-07	141	GITIDISLWK(1)FETSK	3	-0.05163	2	46087000	54182000	0.701
Q71DI3	**27**	**K**	**Histone H3.2**	HIST2H3A	0.999996	0.0267953	64.22	K(1)SAPATGGVKKPHR	4	-2.4441	1	5175500	15592000	**0.554**
Q9HBG6	711	K	Intraflagellar transport protein 122 homol	IFT122	1	0.0500242	78.52	FHEAAK(1)LYK	2	0.015077	1	0	1.32E+08	

Supplementary Information

Supplementary Table 4. A representative list of human genes associated with ChIP-seq identified H3K9me3 peaks differentially mapped between experimental conditions of stromal cells.

Category name	Number of peaks	Gene names (as output elements)
Overlapping between ‘BLEO vs CTRL down’ and ‘BM vs BLEO up’	116	FAM230E OR11H12 ROCK1 MMP1 POTEA USP17L20 TPTE MIR6724-1 ART1 CHEK2P2 MMP3 FAM230F CXCL8 FRG2 IL7 RNA28SN3 LSP1P5 LOC390705 KCNE1B ACTR3BP2 MIR6724-3 MTRNR2L9 RNA28SN5 EPHA3 MIR10396A ZXDA NID1 FRG1DP MMP10 DEFB115 SFRP2 MIR4477A PROS1 SPINK1 ASNSP1 MMP12 LOC650226 AREG RNA5-8SN5 HCN1 LOC101929512 HAVCR1P1 CWH43 LINC00960 MMP8 LOC105379477 EMB EMBP1 CCNYL3 CCT8L2 ROCK1P1 FAM230C FRG1FP ZNF733P MIR5195 OTOAP1 OR11H1 ALG10B ZNF716 REXO1L2P LOC102724904 ACTR3BP5 LINC00999 ZNF707 MMEL1 FRG2B BAGE OR4C46 PLCH2 RNU2-1 LINC02218 LOC284240 CXCL1 LOC102723769 LOC100132249 LOC646813 MIR6724-2 ANKRD26P1 ACTN2 LSP1P4 SPIN4 IZUMO1R FRG1CP SLC6A10P RHOU LOC644669 BMS1P14 FRG1EP WNT16 ALG10 LOC102724159 FRG1BP USP17L6P SPRY3 DUX4 RNA5-8SN4 SNHG27 LOC100506585 MTRNR2L1 H3.Y GYG2P1 TEKT4P2 ANKRD30BP2 IL1B BMS1P22 LINC01667 LINC02167 FRG2EP RNA45SN3 MIR663AHG CSF2 MIR4477B DCUN1D4 MIR9901 ARHGEF18 ZNF565
Unique to ‘BLEO vs CTRL down’	45	LOC101929572 LOC102724843 CDKN2A-DT DOCK1 LOC102724580 RNA5S2 LOC112267871 SNORD164 LOC105369266 LOC100133920 RNA5S11 LINC01945 TTC34 LOC100134317 DHX32 USP17L24 ACAP2 UNCX FAM90A7P FAM72C RN7SL1 CDKN1A NKX1-1 USP17L15 FANK1 MIR4273 RNA5S16 RNA5S6 ZNF717 BAGE2 ZNF875 HGH1 ELOA3 MLLT10P1 MIR6724-4 RNA5S4 ZNF561 LOC286083 ABR MIR3648-1 DLEC1 FRG1HP DUSP5P1 C7orf33 SPATA31A5
Unique to ‘BM vs BLEO up’	16	USP17L28 FRG1JP BAGE3 RNA28SN2 RNA28SN1 RNA5-8SN3 RNA5S14 MIR3648-2 SNAR-C3 ELOA3D

		RNA5S3 SPATA31A7 USP17L11 UBBP4 LINC01163 LINC01596

Supplementary Information

Supplementary Table 5. A representative list of human genes associated with ChIP-seq identified H3K36me3 peaks differentially mapped between experimental conditions of stromal cells.

Category name	Number of peaks	Gene names (as output elements)
Overlapping between ‘BLEO vs CTRL up’ and ‘BM vs BLEO down’	2027	TRAF3IP2-AS1 ZNF799 OR2K2 LMAN1 MIR6886 CHRNA10 ZAR1L PARN SOD2 MIER1 MIR4511 EVC SCYL3 NAT10 LINC02601 DHRS11 TAOK3 BAZ1B TERF2IP CD160 PHF20 COL1A1 RAB33B ZNF83 CEP350 MIR1228 SNORD98 VWA5A ABR LINC00597 POLR2B GPN2 GCC2 WBP4 KIAA0100 SETDB1 RUVBL1-AS1 PTP4A2 BDKRB1 SEC14L1 CHFR SF3B6 NIPSNAP3B ELAC2 GTF2IP20 RICTOR ZNF687 COX7A2 KDM4B UBN2 LINC01450 WASHC5 MRM3 COMMD5 OSBP WASHC3 ZNF350 AHI1 EIF4A3 PRPF3 PXN-AS1 CAMSAP1 MIR6889 SNORA58B MIR628 EXOC1 TTC13 VRK2 FARSA-AS1 ZNF568 TTC3 TMEM248 ANKRD26 SCRN1 PFN1P2 FAM161A PIGG JAK2 RNU6-2 CASP1 LINC01619 RAB11FIP4 TALDO1 EHD2 YTHDC2 XXYLT1 NPIPB5 SAFB2 MIR6868 CCAR2 CALCOCO2 ZNF551 HBQ1 GEMIN6 LINC-PINT BSDC1 MIR1182 ZNF480 LOC102723582 PROS1 PSMB8 ZBTB41 AHCTF1 PCNX2 WDR26 TOMM22 SOCS3 SOX15 EPN1 GAL RDH11 KIF1B SPHAR ALAS1 DUSP10 FBXO7 STH ZC3H14 SNORA68 ZNF287 ZFYVE9 HSD17B13 FBRS GRAMD1C GSR SCGB1C2 SIGLEC15 HEATR5A MIR4498 CFAP36 GUSBP5 SLC35F5 EMB SRP14 LINC01587 MIR6780B UBN1 CTNNA1 MIR765 KRTCAP3 SPDYE10P C19orf18 ZNF16 RFT1 TACC1 ARL17B UBE2CP5 MDM2 GNAI1 VPS4B SLC25A4 CYB5B FARP2 ZFP36L1 GPR161 ZNF10 HOXB-AS1 LOC100506321 NEO1 TARS2 ZNF624 AGL SH3D21 DEGS1 TCTEX1D4 CMTR1 TXNRD1 FUT11 ABHD8 ZNF121 MTHFD1L SYT11 ZNF585A TARDBP LRP1-AS CHMP1A ZNF160 LRSAM1 ADAR DHX29 NSFL1C XRN1 SNX22 CROCCP2 SDC3 RPUSD2 MIR1226 ZSCAN31 RSPH10B ZNF559-ZNF177 MIR4430 POLR2J3 POU5F1P4 SNORD164 ZNF594 SLC41A1 LY6G5B ZMYM2 PCOTH MRPS21 ITCH GTF2H2C MIR12119 PIK3R1 STAMBP MIR555 SNORA90 ELMOD3 OIP5-AS1 NEK9 ADNP BTD ZNF570 ZNF847P MIR6081 ACBD3-AS1 SORBS3 SNORD62A UBAP2 NBPF14 SBDSP1 C11orf65 MIR4714 HMGXB3 TPR ZSCAN20 LOC105371998 MCPH1 ZNF57 CHCHD2 RHOBTB1 SLC4A4 SUMO1P3 AP2A2 DDX56 MRPS18B ZNF682 IL1R1 STIM2-AS1 NR1D1 ARID1A RPL23AP82 UQCRH SAV1 ZNF445 LOC154761 SNORA14B LBR MIR1255B2 MMS19 KDM4A-AS1 ZNF485 MIR4785 LOC100289580 LOC101927018 SLTM NID1 KIF7 NBEAL1 SMARCC2 POLI ZNF248 IRF2BP2 ZNF230 C5orf24 RNF41 THOC5 MUSK LOC102724904 ZNF347 STRADB ARHGAP17 OR4C46 LOC646813 LINC00260 SMAD3

		MIR597 YARS2 RMC1 ZNF669 CDK12 CHMP5 ZNF43 SKP1 ZBTB38 FYCO1 RAPH1 MIR558 ZFP37 ZNF154 ACBD5 TIPARP VEGFA IPO8 PHC3 TNFRSF11B EXO5 ZNF117 GPCPD1 PIGV EMBP1 DYNC1LI2 RSKR ERMP1 SCD5 LSG1 CBR4 MIR7161 MIR574 CDR2 ZNF778 SRP68 ARPC5 NPIPB11 UBR5 ZNF20 ANXA6 SNORD13H PPHLN1 CNTF STC1 STOM CPSF3 MIR548A3 GBAT2 ARPP19 BOLA2 RNF19B MPI SDHAP1 FAM229B ARMH3 TCTN1 MIR6766 MPZL1 SPIN4 VPS11 MTCH1 CDC26 LAMTOR5-AS1 ZNF32-AS1 PPIB SCARNA11 GOLGA5 ATP5MC2 IL6R-AS1 PYGO2 PPP1R10 TOM1 SLC26A11 RIOK3 NSUN5P1 PPP1R12C MRPS26 PRICKLE2-AS3 NPIPB3 UBE2B SNORD141B ARRDC4 TRAPPC10 SERPIND1 ZNF184 ZNF267 TXNIP ZNF260 SEC31A POLR2D HNRNPC FXR1 ZNF461 TH2LCRR PRPF40A RGS2 LOC101927604 IVNS1ABP MIR125B1 MIR6735 ACTR3BP2 EPHA3 RBM12 MOV10 DEDD TMEM9 ZNF174 LEAP2 SLU7 ANAPC11 UBR5-AS1 MIR6827 DNAJA2 PPIAP30 CCNL1 GDAP2 MIR1231 ZNF491 COX6B1 LOC102723769 RNFT1 B3GNT4 SNX27 DENND10 SLC16A6 HIBCH UTS2 DNMBP SEC24C LOC101929599 RUSC1 DHX57 FAM177B ZNF226 ZNF773 APH1A COX18 TP53INP1 MIR26A2 BAZ2A SECISBP2L DDX6 AP3M1 AKAP9 NGLY1 HLTF-AS1 RBM22 TRIM38 CORIN TMCC1 SMG5 CYCSP52 NIT1 MIR3651 FRG1CP DUT ZNF34 CDC73 GSTM3 EIF3L PMS2P5 NPIPB13 RIT1 RAB13 KIAA1614 MIR3162 TUBG2 PSMD1 CDC123 AMN ZNF700 HAVCR1P1 TTC23L MIR6738 ZNF607 ZNF733P RAB11A SNX1 MIR5191 MIR3175 ZFR MIR6852 MFSD4B TTC23 TRIM39-RPP21 SMA4 OVCH1 MYPOP MIR6511B2 UCHL5 AIM2 SHC4 RARS ZFP69 COX4I1 DTWD1 ARID4B SETX ZNF326 ZNF8-ERVK3-1 IFT57 LOC105379183 LMNA ZNF250 ZNF12 SNED1 ST7 PDHB MIR1343 MIR4799 AP4E1 RASA3 PGD WAC ZNF816 MTMR11 SUOX STXBP3 EIF3G UPK3BL1 SLC18B1 SUSD1 MIR553 PRUNE1 PRKAG1 MDM4 NBPF15 ZNF200 LIMS3-LOC440895 CBR1 SNORD151 ZNF638 VPS33A TFIP11 MIR3662 MIR4759 BTG3-AS1 SNORD13F MINDY1 ZNF181 PIKFYVE PI4KB OAZ2 SNORA70G HSD11B2 CACTIN USE1 CAND1 COL4A2-AS2 CDK11A COL9A2 PALLD GNAS MIR4757 GOLGA3 BBS7 ZNF345 RTF1 WDR59 EVI2A INE1 TPI1 ZNF484 RIN2 LOC100288069 HYOU1 ZNF25 ZSCAN16 STARD13 NPTN-IT1 SBNO2 PSMD3 MPP4 PACC1 ZNF331 ZNF24 PIP4K2B EBPL MIR664A UQCC1 RGL1 APPBP2 USP19 KDM5A ZNF467 MYOCOS CFAP298 NUP88 DHX16 ARL2BP HSPA8 ABCC11 ZNF432 FUBP1 AAMDC NOTCH2NLC ZNF583 ATP1A1 ZNF805 IFI16 CLTCL1 ZNF891 SEC63 TOR1AIP1 CEBPD SVEP1 GANAB C1orf198 BMP8A ZNF254 PSMC4 SGK1 ZNF271P RARS2 LRBA NFKBIZ PPOX ZNF439 PLIN3 ATG7 HYPK MCFD2 TRPA1 FAM81B CBX1 SPIDR UBE2D3 MIR579 ZNF561 RUNX1T1 EAF1 CTSK TRIM35 ZFP90 SLC30A7 S100B LINC01000 ZNF565 NACA GLOD4 ZNF790 SPATA9 TEX10 TNFRSF19 HIF1A-AS2

		DENND2A SCFD1 THEM4 NTPCR ZBED6 FAM91A1 CALM2 BNIPL GNA13 ARL8A NEK10 STAT1 PEX11B IRF2BPL PROCA1 BBX LOC100133331 FN3K EFEMP1 TRIP11 LOC101929479 KIAA1109 LNX1-AS1 RAB24 GREM2 ZNF577 CCDC174 INPPL1 VPS35 ZNF563 DTX2 RABIF DYRK3 RBM34 CDRT1 ZNF528 ZNF44 MTFR2 ZNF555 SASH1 LOC100506076 ALG10B CDC14B ANGPT1 LSM14B HECTD1 ELOA SNORA94 RPS6 TBCE TTC36 MAPK1 GADD45A MASCRNA DHX8 UBE3B SPDYE8P IKBKB LINC02167 TRIM66 ZNF132 USF3 UBE2Q1-AS1 POLDIP2 VPS37A NISCH LRRC37B CCNT1 TNKS1BP1 SNORA3B ZFYVE28 PIK3R2 AKR1B1 PSMB4 GSDMB PMPCB NID2 ZNF616 EXTL2 CNIH4 POP1 RNF24 SETD1B ZNF606 SSR1 NFS1 PDE4B ITFG1-AS1 ARFGAP3 KIF13A ADIPOR1 LOC100379224 DDX59 DNTTIP2 TAF3 GOSR2 DSCR9 ZNF772 NR2C1 GLS IL4R KANK2 PEX5 TM4SF1 EMILIN2 SDE2 RAD21-AS1 MAP4K3-DT CAT ACTR3BP5 APH1B USP36 CTNND1 NUDCD3 NUP50-DT GUSBP9 PITRM1 USO1 RUFY3 LDB1 ABCC1 LINC01341 FCER1G LOC101928000 TPST1 EPAS1 TPH2 JDP2 MORF4L1 LINC00680 ELK3 TTLL5 FBXO28 INO80 TMTC1 ERGIC2 CTTNBP2NL FSD1L NPIPB12 MIR3189 BCAS3 ZNF658B EDEM3 DBIL5P PURPL ZNF235 MIR4517 AOC2 LOC343052 ZNF780A ZNF471 PPP3CB-AS1 NCKAP5-AS2 WAKMAR2 MIR548AR OCLM AGFG1 PWWP3A SEC23B SPTLC1 TMOD4 PHLDA3 MIR181A1HG NUP214 SDCCAG8 NUP210L NR2F1 GPR3 RC3H1 PRDX6 ILF2 ZNF500 ZNF506 AIDA PAIP2 ZNF879 LOC101928021 ACAT1 FBN2 LOC101926943 ST3GAL1 MTRNR2L1 TEKT4P2 SPATA31A5 MRPL24 TFCP2L1 FEM1B FOPNL TTYH3 LOC105371703 H3F3AP4 ZNF665 ANGPTL7 ZFP69B SCARNA4 MEAK7 CDKL4 SWT1 CDC25C RCOR3 CPSF7 ARID5B SPTAN1 ACTR1A SCARNA26A PPIG MYL6 POMZP3 ZNF441 ECM1 METTL15 TMEM165 KIAA1549L UHMK1 PIM1 USP9X MIR103A2 NBPF20 CBLB UGDH-AS1 MYOF TMTC3 LUC7L UNC13D SMAD7 MIR4448 RHBDD2 SDC4 FHL2 PSMB2 ITPKA PDPR DDX60 DOLPP1 EPRS DENND4B ZNF792 TTC39C ZNF234 THOC1 INTS10 ZNF124 SPRED1 ZNF217 ZNF101 ACO1 RNVU1-19 DDA1 LOC441666 RND3 ZNF599 RALGDS RNU4ATAC LOC400499 MTOR-AS1 JCAD MIR1972-2 MSANTD1 TP53BP1 DDX46 CSNK1A1 DIS3 SKIV2L ATF4 ZNF829 HEG1 SNORD159 SPATA7 CEP95 MAZ ANXA5 ZMAT3 PCNX1 MIR744 MIR6878 ETF1 MIR185 HSP90AA1 MIR4721 KIAA1614-AS1 CCDC68 MIR6739 SLC25A25 GAPVD1 ZNF140 SMIM4 ZNF701 TAF6 TUBB2A PRG4 MIR644A HERPUD1 PXDC1 SRXN1 CPEB2 SCARNA28 CYP20A1 CCDC191 FGF7 LOC102724995 FNBP4 LINC02478 YIPF1 JMY ZNF451 ZNF844 ALDH3A1 SPG21 ZNF286A CLEC2L DENND3 LOC100506691 SSH1 GNPNAT1 CCNG1 EPG5 PTH2R DDN GLUL NOTCH2NLA EPHX1 MIR4502 ANKRD36BP1 ZNF14 DNPH1 CALCRL STAG3L1 MIR103B2 TGOLN2 MIR181A1 C9orf131 ZNF528-AS1 NBPF11 ANPEP TRIP4 DST

		CAB39 ZCCHC8 ARID4A CYP26B1 LOC100289333 YLPM1 RAVER2 ZNF470 SMC5 SMN1 BACH1 EXOG LINC01347 RBBP5 PSMD13 FAM227A PITPNM3 ZNF443 RBM5-AS1 NDUFS5 EYA4 ALG10 GAS8-AS1 CFHR3 SF3B4 ZNF222 COL10A1 WDR55 NBPF9 CACNA1C-AS2 ELL2 RIPOR2 IGFBP4 HLX-AS1 ZNFX1 B3GALNT2 CLNS1A MIR378H DNER MALSU1 NRG1 ZNF557 ZNF658 LOC101927356 TNS2 GHSR MYBPHL FMN2 VDAC2 VHL SNORD8 SPART PLSCR3 TOP1 KRTCAP2 DPY30 MIR4677 BTG2 ABCC6 LRRC41 C12orf66 LOC101927151 C2orf49 ANAPC4 COX15 FBH1 SRPK1 ARL6IP1 ATXN10 UFSP1 LHFPL2 ACTR8 ZNF510 ZNF623 PPP1R15B TXNDC8 VGLL3 TRAF5 KLF3-AS1 MARF1 SRSF11 PXDN ZNF35 VIM-AS1 COG1 IRS1 ZSCAN32 PCDH18 MIR3117 LOC100507346 KDM2A ZNF227 QRICH1 HP1BP3 XPC GMFB STAT5A SF3A3 PALM2-AKAP2 SLC3A1 PIGF LOC100130111 YIPF2 PSMF1 NRF1 MICALL1 DUS4L CHEK2P2 STRIP1 CCT4 ZNF709 CHMP6 MRPL41 SCAMP3 LOC101928809 ZNF137P ZNF649-AS1 SVIL MIR6839 MIR29B2 TCF21 DLST ZNF419 TLK1 EIF3D MPC2 FBF1 EXOSC10-AS1 LAMTOR3 POLR1A TNFRSF1A ISCU HBP1 DAGLB MCM10 CLK3 LOC105377621 KDELR1 NT5E BEGAIN GK5 LOC653513 ACLY IL15RA HMBOX1 MUC20 MSTO2P ZNF677 STX5 PGBD3 SUPT16H LOC100128108 MIR6826 PCSK9 LOC728024 MIR21 KLHDC2 LOC729218 GCLC TWSG1 CTDP1 MIR6769B ELK4 ZNF846 SMURF2 ADAD1 PES1 TRIM24 PABPN1 CC2D1B ZNF695 ABCD3 MSC-AS1 ZNF84 CITED2 POLR3A ADGRE5 LOC105379477 RRN3P3 XPO6 ZDHHC7 ERCC4 BLMH TXLNG FAM171B PRPH2 RPS10 PSMB7 SNORD90 MMP14 LOC105374727 SLC10A6 APPL2 MIR599 CAPN2 FXYD5 ZNF763 EGFR-AS1 RPL15 APTR ABCB9 STAB1 ARMC9 ZNF211 MIR548AT PFDN1 MINPP1 PRPF8 RTRAF TMEM39B THBS1 ZNF433 SLC30A1 ABCA11P SPATA18 MIR620 C16orf72 MIR4753 SNORA2B RBM5 TUBGCP4 SNORA30 SSR2 SYF2 ARHGAP5 SNORD170 KTI12 PDHX ZNF720 POLR2A OGFOD1 MYLK-AS2 PDE4DIP NADK VCAN SYNE1-AS1 RNH1 PPP6R3 PGPEP1L PBXIP1 CCL26 ZNF550 ZNF567 FAT1 FAM25E STAM2 LOC100130373 CACNG1 PDGFRA GTF2E2 SH3BP5-AS1 IZUMO1R AKAP8 HADHA SWI5 RPAP2 MIA3 CXCR6 TRIM46 MIR6832 TIGD3 VIPAS39 ZNF404 ADSS LOC105370361 MIR4681 ZNF2 NFKBIA PSMA6 CRTC1 ZNF823 KCTD3 NXPE3 LINC00616 FAM20C TSFM NBPF25P TTC33 MIR4723 LOC101928673 PRCC ZNF675 CALCOCO1 PMS2P9 UBR4 CTTN LINC00472 ARSJ MIR6514 UQCRC2 HDLBP ACTR2 ZNF304 EIF2D ADAM30 SRGAP2-AS1 KANK1 ZNF416 ZNF225 HECA RYK NCF1B ID3 CAPN3 TPD52L2 C19orf53 TPP2 LAPTM4A ABL2 MIR4742 RGS3 OBSCN-AS1 ABHD4 YOD1 TBX5 NAPG ZNF513 SLC66A3 MDH1 RPL7L1 KATNAL1 PAQR6 VCAN-AS1 LOC644189 OSMR VWA8 LOC647070 ZNF175 SLC40A1 NCF2 HUS1B FAM133B NIPSNAP1 PI4K2A MED8 SNRPA C9orf163 ETS2 PRMT2

		PRDX1 SGIP1 MIR4644 HIRA BAG1 AEBP2 NEAT1 RBMS2 ANTXR2 ZNF765 MID1 MAPK9 TRIM37 PDCD7 GRSF1 ABCC4 ZFP36L2 FRG1HP FTL ZNF595 PRPF4B CCNL2 CDC42SE1 ENDOV PMS2CL NAA20 GSN SMARCA5 FRMD6 SENP6 SLC1A2 STXBP5-AS1 SAMD9L MAN1C1 MIR1302-5 PDK2 NEK1 DUSP1 DDAH2 STX7 SLC45A2 MRC2 SETD5 MYO18A MTSS2 ATM PRRC2C ZNF134 HHIPL2 TTC3-AS1 TMEM183A TMEM106A FCHSD2 MIR6506 ZNF195 DHX34 CELF3 NUMBL H2AFX SNORA77 GOSR1 RAB7B SPCS1 KDELR3 LRRC73 IER3-AS1 TMED10P1 DYNLRB1 MAP4K5 EXOSC8 ARHGAP23 MIR6736 MCL1 PRNP SNORD71 RSPH6A LOC613038 KRBA2 ZNF335 CPT2 LIMS4 ATP5PF MVP ZC3H18 SF1 RNF213 NCKAP1 CLK1 XPR1 ZNF333 DUSP11 LSP1P5 LOC101927989 KREMEN2 SNORA55 LINC01072 CDK9 CD59 ARHGAP18 POMP AHSA1 TIMM9 ORC2 CERS5 LOC100289561 SNORD15B PABPC1L UBE2C MIR3675 GTPBP4 TEX35 NBPF10 HTT TRAPPC8 ZFC3H1 ZKSCAN8 LINC01355 MRPS5 NEMF ZNF841 ERVFRD-1 PDZK1P1 SNORA70B KLHL12 SF3B1 OR11H1 PSMA7 LINC00342 TUBG1 WASHC2A PPP4R3A MXD3 IKBKE RNVU1-15 FAM98C EP300-AS1 MIR6885 IBTK BIRC6-AS2 ST14 MLF2 NRADDP MIR6740 SUPT20H C1orf189 ZFP64 SOCS2 TMEM242 LOC646471 MBIP COPB1 COQ8B SMG6 CIZ1 NFX1 MBD3 LOC100505549 MMD POLR2J2 CDV3 TOR1AIP2 DAP RRM2B GNPAT WDR18 LOC100131315 CAMKK2 TBC1D2 ZNF77 EIF3K ZNF28 POP5 PTP4A1 CARF LOC440300 ZNF613 SNORD13G ZNF490 BMS1P20 SERPINC1 F3 ZNF37A ZNF266 MIEF2 APOA1 KPNB1 FOXO3 IFT20 RFX7 SUPT7L CSF1R TMEM101 RBM43 DDX3X SESN2 HNRNPL EPB41L5 SH2D5 HDC OCA2 RPS6KC1 TNFRSF10D SMARCE1 STK17B LINC01964 LOC105379331 PATL1 RANGAP1 KCNJ2 ZNF684 TKT PMPCA C9orf78 GAS5 NCF1C NBPF12 GYS1 LOC100134317 ASNSP1 MIR12114 HCN1 RNF14 BAK1 SPECC1L TMEM39A LRRC37A4P HMGN1 ZNF718 ABCC5-AS1 PCYT2 TSC22D1 CLCC1 ACSL3 IMPDH2 INTS6 ZFP14 ZNF660-ZNF197 ALKBH2 SNORA100 SLC27A3 CEP170 MSH6 HECTD2 PTK2 RNF217 USP3-AS1 PLIN2 NFKB2 FZD9 ZNF75A ZNF605 MIR1278 CELF1 EDRF1 POGZ NBPF19 ZZEF1 FRA10AC1 LTBP1 MIR6818 PSMC3IP RASSF5 ATF1 DYNC1H1 RGPD5 FENDRR CDC6 ATP5PD VSIG10L ZNF320 BRD8 MIR5706 SPG11 KCNJ13 COP1 KRT8P41 LACTB2 VAMP4 MIR6851 DDX24 NEK6 C6orf62 SOWAHB GUSBP1 FTH1 WWC2-AS1 SNORD53B TIMM17A ZNF354C NSD1 LARGE2 GLDN MIR7-1 LRRC42 RBM26 CYB561 ANTXR1 CRCP ZNF177 ZNF442 ZNF627 WIPI2 SVIL-AS1 ZNF468 BAG3 LAMC1-AS1 PSMD2 PLEKHO2 BCAS2 APTX SNRPG ZNF514 ZKSCAN1 HSD17B7 ZNF354A SELENOS MDH2 BCL6 ZNF780B MIR5187 C1orf131 ZNF223 BIRC2 SP9 MIR4304 MAVS RNU2-1 SEC23A-AS1 LOC375196 MIR320E ZIK1 ANGPTL1 FHOD3 SRRM1 HMGCR IFT74 EI24 HERC1 DOCK1 IL19 CDC27 ZFP62 TTC19

		GFPT1 FAM126A MRPS10 IP6K2 LINC00032 EIF2B4 LEO1 NIBAN2 MIR6861 SNORD168 METTL14 SNORD133 SRSF7 MIR4758 RIPOR1 TBCEL LOC100192426 AMFR SNORA59A DKK3 PDCL DMXL2 SCARNA26B NAE1 SNORD23 LOC105377102 MEX3A ZNF268 MYLK ARL4D GPBAR1 SLC25A17 ARHGEF28 AGAP6 GTF3C2-AS1 PDLIM4 NPIPA8 ZNF880 MIR711 ZNF426 LOC400710 PHF2 ACTL7A TMBIM6 DNAJC21 PDE7A ARSG ZNF483 LMBR1L RALGPS2 LINC01926 SLC35D1 PSMD4 ERLIN1 MRPL27 RBPMS-AS1 ZNF26 CDK11B SNF8 STX10 ZNF143 TIPRL LOC100287049 STK19 IGF2BP2-AS1 TGIF1 TP53 ZFAND5 RAPGEF2 PSMC5 ZNF564 SNORA86 ZNF782 GPR25 ATP6V0A1 MIR1256 ZNF615 DNAH3 ALG5 S100PBP SNORD94 TCTEX1D1 ZMAT2 DLC1 MXD1 NUAK2 PMS2P3 MANBA ZNF671 UBFD1 ELP2 MIR663AHG ZNF418 KLHL11 MIR2110 ORC4 GYG1 ZNF91 GAPDH GPX1 PRPF40B SNAPC3 B4GALT5 TRMT1L VNN2 CALM1 GPS2 RUFY2 HSPB9 TP53BP2 ZNF850 ZNF440 TMEM81 C9 MRNIP RRN3 SLC5A11 MEF2D MYO1B ANKRA2 LINC01820 ZNF189 C1R TICAM1 ZFP28 LOC284454 DOCK4-AS1 TRIM22 TSC22D1-AS1 MRPS14 MRI1 TGM2 BASP1 ZNF202 MIR6769A ZNF197 ZNF274 ATF3 UCHL1 APOL6 ZNF397 SYT2 DDX47 ATP8B2 DPP4 PSMC2 EXOC6B C5orf15 ARNT ZNF596 SEMA3A EIF4EBP3 ACBD6 YEATS2 JTB GMCL1 MGAT5 RAP1GAP MEF2A ZNF836 TBX2 COL21A1 RAI14 CLP1 ZNF716 LOC114483834 BNIP2 CASC3 PPP2R1B TANC1 LOC644669 ZNF527 TTBK2 NRAS ABHD15 FAM133CP LINC01465 TRAPPC2B ACTR6 SNORA50A ZNF585B NBPF1 SLC2A8 SNRPE LRIG3 MTFMT PRKAB2 AFF4 RSRP1 SNX4 COPS2 ZNF221 PIP5K1A PRKAR1A ATG5 RAD52 ETV4 ZFP30 BMS1P14 RAB11FIP3 MIR4743 GNG4 RGCC SLC6A13 KANSL1 CRIM1 ZNF546 GABARAPL1 ANGPTL8 BMP4 POTEA AHSA2P RNF115 GBA PNRC1 TRIB1 CD46 TYSND1 DEF6 SEC22B CDKL2 POLR3C FBN1 ZNF621 TBL2 ATP5ME TXLNA DIPK2B PRRC1 STAG3L3 SNORD163 KPNA1 FAM149B1 CLTC SRP9 SMYD2 ZNF761 FRG1EP ECI2 CORO6 MED23 INTS3 ZNF558 TRPM4 FAM227B NMRAL1 EEF1AKNMT GPR89B CLOCK LOC91370 PSMA4 ROCK1 SCARNA3 ZNF45 ZNF610 ZNF329 ZDHHC18 VEZF1 SPDYE11 LINC01555 ZNF394 EFCAB10 PPP1R12B SACS FOXO3B LAYN PLK2 PRMT5-AS1 OPTN SP100 GORAB-AS1 ZNF283 SBF2 ZNF699 MBD6 C17orf64 RTTN STX12 ZNF322 PTGR1 ZNF69 CCDC144CP HSPA5 ZKSCAN5 ACAT2 ZMYM4-AS1 MICB LINC01096 PPIF CPNE3 ABCF3 CTSL FOXF1 PRPF18 TMCO1 PAPSS1 NBPF26 EID3 FLJ31356 MIR194-1 ZNF569 MED28 ADSL BAP1 TMEM161A ERP44 ZNF180 NDUFAF5 LOC100128494 PA2G4 LOC100190986 RILP MIR29C SDHC B4GALT3 MAP1B ATAT1 GGNBP2 MIR6870 PRPF38A OXNAD1 RNF40 IFT81 LOC100289511 NT5C2 NUCB1-AS1 TSACC DNAJB12 SCAND2P MIR4273 ARFGEF1 NOLC1 TKFC MIR6894 QSOX1 PKDCC FOXP1 RGMA SERINC1 PEX19 PSMD7 PPP1R3C

		TTC17 C3orf35 ZNF736 ZNF791 LOC729867 CERS2 TXN MIR570HG BECN1 ATP6V1D PTGS1 ADPGK-AS1 ZNF112 ZNF436 SNRNP27 LOC100132215 HGSNAT KIAA0754 VPS13C GCC2-AS1 TULP3 OTOAP1 ATP2A2 MIR3126 STRN UEVLD ZNF845 ZGPAT BAX NCOA4 SMARCAL1 PRMT7 DNAH5 PGPEP1 RNF6 ZNF383 S100A13 WDR66 RETREG1 DNAJC13 VPS13B LOC645513 DCLRE1C XPO5
Unique to 'BLEO vs CTRL up'	6032	MSRB1 FSTL1 CLMP AACS ELMO2 PNMA1 SLMAP FAM219A SAMD4A TMEM216 ERCC5 APBB2 GARS-DT PDCL3 DECR1 SALL1 IRAK1 ESYT1 MIRLET7G CHD8 SUMO1 GP1BA TMC4 UQCR11 LINC01279 EP300 CRNKL1 RNVU1-14 DTNBP1 COPRS EFCAB9 CYTH1 CHD9 TOB2 INIP NINL MAP3K3 GRM2 CAPS OSBPL8 LONP1 SLC25A52 LOC102723566 CHD1 WDR34 LHB ADNP-AS1 MINAR2 STK25 SNORA80D MIR611 NOXO1 HIGD1B ABCD4 LOC105372383 MIR331 MIR6807 SLC25A46 GTPBP1 MIR6746 ZNF212 ACBD3 PRDM2 MIR630 PDCD4 CST7 NUP42 CIAO1 LTBP4 SIRT6 MIR3121 C2CD3 ZDHHC6 NEFH PGBD5 EXOSC7 RFXAP RNF4 EMC1 HDAC7 ALG2 GRB2 TPM3 FPGT GDF10 LOC102724843 LOC101927178 PLXNA1 PMF1 CRELD2 CD82 PMM1 GCLM INTS1 BIN3-IT1 LOC100287497 GMPPA OGFR-AS1 EMILIN1 THADA PIK3CB PRORP CDCA4 C9orf16 MIR11401 MTMR14 USP42 TMEM59 LOC729603 SNX6 DDX18 BORCS8-MEF2B TMEM104 POMT1 CAPN1 DDHD2 MRLN LAGE3 LOC101929464 UNC13B TTLL4 ZBED1 ANKRD49 METTL21A SARS CACNB1 MAN2B1 OFD1 PDP1 AHCYL2 GPHB5 PEX16 HABP4 MIR548AU UFL1 RP9 TMEM11 LOC100129617 MIR5004 LOC400541 IPO13 PCCB UNG MIR6509 GSTP1 DCUN1D5 LTBR HDHD2 IGDCC3 ANKLE2 NBPF3 DOCK11 RPRD1B CHMP7 REM2 DNHD1 OVCA2 ASAH1 FKBP4 NADSYN1 OSGEP HK3 PSMD5 RSU1 E4F1 ACO2 RPS21 WAPL IFITM10 MIR5010 HDAC3 SNORA54 KRCC1 RPL13AP3 HUS1 UIMC1 GOT2 ZNF667 ACOT2 KIN ETFA SNORD65C AHRR PDAP1 POLRMT MIA2 EIF4E2 NENF ZNF324 ENTPD7 CASC4 LOC100506083 TSTD3 AKIRIN1 RDX DNAJC9 ITSN1 EHBP1L1 DCTN1 CAMK2B TNKS2 TMEM241 MRTO4 C1QBP NDUFB8 GRHL1 NDUFAF8 STOML3 R3HDM2 SLC2A10 TMED7 CENPL MIR2054 HCRTR1 VWCE SNORA110 DDI2 GPATCH8 TANC2 ZNF511 ZMYM5 ZNF586 ADAMTS19-AS1 CPD TANK TEX53 PROSER3 DNAJB4 LIMD2 LOC101928371 TMEM189 SVOPL TACR2 NUP85 LOC100130744 GPR135 TM9SF4 ZNF264 RAB5A PRRT1 SUSD6 ABCG8 ICA1L IFNAR1 TCTA LINC00680-GUSBP4 KMT5A SQLE MIR6129 GLIPR2 FAM49A PLRG1 SPG7 NUP133 ILF3-DT INPP5B PPID MIR3150A UBE2J1 ELF1 LINC01291 ERMARD ICE1 LOC100506271 NCK2 OXA1L LOC100506472 CLDN10 MIR4726 MEX3D KIAA0232 NFAT5 FBXO3 MSS51 GPR157 PEF1 FAM199X ZNF750 ALG9 MCM5 NOL4L BTBD10 BAIAP3 ANKRD40 LPP-AS1 SLC48A1 CDK16 HRAS ARSK CPNE9 NDUFAF1 PLAC8L1 TEKT2 MAP3K6 MIR943 SRRD SOCS4 PPP6R2

		TBCCD1 LINC00622 VAT1 LOC105369781 KCTD2 SGSM3 SNORD41 UNKL POP4 ZNF839 CCNA2 LOC285638 TMEM132A DACT3-AS1 CGRRF1 ISCA1 RPAP1 GATD3A LOC101241902 NIPA2 MFSD14B SNORA115 SLC35A1 RAVER1 TSTD1 SNORA92 AUH SLC25A39 EIF3H PLA2G10 MRPL37 LOC100996437 SNORA15B-2 LOC105374952 PSMA5 RESF1 AMPD3 PIAS1 HMGXB4 RBMXL1 CRTAP DDX50 LOC148696 TK2 STYXL1 TRIM16 A1BG-AS1 MIR6726 GALNT10 MORC2-AS1 CCZ1B SNORD128 BANF1 HMBS FAM13A SLC25A24 MRPL22 SLC25A15 KLHDC1 TDP1 TCTN3 DNAJB11 GBA2 NDUFB3 LINC02542 SPATA24 PTCD2 USP38 CABP7 ITGA10 MAGEF1 NDE1 MIR6752 SCARNA22 FH PTPN23 DGCR8 DNAJB13 PAQR7 CCDC162P PDCD6 NRN1L PLBD2 SNORD61 UCKL1 MIR548S COX16 RBM4B THAP4 LOC105370489 OCEL1 FBXO34 ALOX12 RB1CC1 EIF4E TCHP IMPG2 SLC29A4 TRAF6 TELO2 PNPLA3 LOC102723885 MIR4762 CD276 ANO4 CSNK1E NAPA-AS1 C6orf89 CCDC117 RTN4IP1 USP15 CEND1 MIR6854 PTGER2 SCARNA18B LINC02057 IFT172 ST7L CBX4 FOXN3 MIR6721 LCLAT1 MIR3164 LHX4-AS1 RNF126 CEP63 CLIC4 DPM1 THUMPD3 BIRC6 ELP6 POLR1B SH3PXD2B ATP13A2 TUT4 LINC00566 CAPNS1 SDF4 IPPK MIR4656 GALR3 AKT2 ZDHHC3 MIR6761 NDRG1 SESN1 LINC02623 GBE1 ZNF285 CLASP1 LOC102724404 PRKD2 OR2H2 PIK3IP1-AS1 DRICH1 DZIP1 SEC22C RNF146 CCNB2 RORA-AS1 PCNP DNPEP SLX1B-SULT1A4 ERBB2 MIR4682 MXRA7 LAT NAP1L5 ZSWIM9 RBSN FCF1 CFAP53 SMARCA4 SOHLH2 MRPL14 QRICH2 TMEM43 SLC22A13 OAS2 SEC61G TRIM11 CAPN11 C1RL-AS1 TMEM50B ATXN7L3 TBL1XR1 SZT2 ANKRD36 DPH7 NUDC PPP2R2A EIF3J SLC66A1 BCAT2 MFN1 MIR1306 SNX11 ZNF865 CAMSAP2 ABCC5 HCFC2 RBBP7 ABL1 NCOR1 MOCOS MIR4423 MIR3154 SLC16A4 UBE2H CCNE2 MBTD1 CWC22 USP33 NRDC FAM184A C15orf39 ERBIN MAP3K12 ARF5 PAAF1 BARHL1 SLC5A10 RAD50 IER5 SYNE1 MVK GUF1 LOC107985911 NUDT16L1 MED21 MIR4294 FBXL17 LINC01018 LOC101927550 RNF111 ATP2B4 IST1 KIAA0895 CHST12 KANSL3 RAB22A STAU1 DDX21 MIR5581 HADHB MTO1 PLXNB2 SLC15A3 NUMB TNIP1 TM9SF2 PSKH1 LINC01743 TOX2 RHOG MED15 LOC100128325 MTPN CCDC96 UNC50 SPATA6L SRPX BACH1-IT2 ZFYVE16 LOC100287944 POLE MAPK11 TBC1D22A MIR6859-2 DET1 FECH ZNF532 RAP2A TP53TG1 LAMTOR4 FBLN7 C16orf58 NOL7 BRMS1L ASH2L ADAP2 ICAM3 TAF8 CABYR MIR190A ADAM8 BCL7B MAN2B2 ARL6IP4 CCDC157 CHP1 ZCCHC2 CLIP3 MAP4K2 ACAP2 PRDM5 PPP4R2 DTD2 MIR3133 LINC02322 GUCD1 OACYLP CSNK1G2-AS1 LRRN4CL KIAA1586 SLC2A4RG MPHOSPH9 CLEC2D TENT4A IMPA1 SH3BP1 NPM3 B3GNTL1 ARPC5L ERMN MBP TANGO6 C20orf194 TNRC6C-AS1 MIR6770-1 ZMIZ2 MPEG1 C22orf39 SEC24B-AS1 TCF20 KLHL20 STAG3L2 SRM MIR199A1 MPC1L SSH3

		LDLRAD1 SARNP PER1 TIMM50 SELENON MIR4800 KLC2 SMARCAD1 FNDC3B MICAL1 BLZF1 SUZ12P1 AREL1 PPP1R21 MIR4701 MED26 DUS1L KDM2B USP50 ASF1A TOMM40 TUBGCP5 RFFL MBOAT7 ERICH1 APBA3 ZNF689 PMS1 SLC25A51 ZNF814 TLE4 TLK2 CLBA1 HSF5 TTC9B PSPC1 UPF2 TERF1 VIPR1-AS1 EFR3A SEC61A2 SFXN4 ZNF703 UCP3 MYL6B CDKN2AIPNL LOC283922 BREA2 VAMP7 CKMT2 PLA2G12A SPRED2 N4BP2L1 RSF1 MIR6733 C2orf88 LIN7C WDR83 MIR665 ANKRD13D KCNMB4 SNORA71C STX6 KCNJ11 MIR6786 AATBC KRBA1 SLC45A1 IRF9 SYNM PTDSS2 BMP2K NFU1 STT3A-AS1 SFXN5 SETD4 DYNLT3 FKBP11 BAIAP2-DT FLII KAZN GS1-124K5.11 CHPF CSNK2A1 MAP7D1 MIR6892 TMEM208 TMOD3 LY96 EEA1 ADCK5 LMF1-AS1 KTN1 RELL2 ARL5A PHKB FAM92A CISD3 KMT2C YIPF3 MRTFB RGL4 XPO7 TRIM5 MIR5693 MIR4771-2 SDHA ZNF17 ZNF251 ADAMTS7 ZNF280D RPP38 RBMS1 SNORD108 HNRNPUL2-BSCL2 DRG2 NLRC3 SAFB NSUN4 MAPK8IP1 ANKZF1 SENP5 AFF3 COG7 FZR1 ANKRD37 SLC44A4 MYCBP2-AS1 TBC1D19 UGCG ZAP70 MIR4315-2 NCKAP5-AS1 ORC3 PTPRCAP IL12RB1 HIVEP1 HSPB6 ARV1 IER2 MIR26B COX5A MRPL4 TRAF3IP2 RIDA LINC01963 RLBP1 APOBEC3D RENBP ATXN7L1 TUBGCP3 ZNF783 MIR33A TFDP2 CCDC12 MIR6754 LINC01816 UCN AMBRA1 CPSF4L ZNF764 USF2 LINC00384 SPATA5L1 RAD51B NDST1 PELP1 MSN SLC9A5 SERINC3 ATAD2B GAU1 GFRA4 SLC39A14 RTL1 GPR137B NFATC4 TOP3B TMEM60 MIR933 LOC102724009 SNORA5A FUBP3 ACACA MOB3C SCARNA9 TMEM127 PLN MIR4485 LINC01127 SYNGR3 MIR3913-2 LNPEP MIR8053 FBXO22 MRVI1 ALMS1-IT1 DDX27 ASB8 FAM192A CACNB3 NEDD4 THAP11 MRPL19 NEK4 RBBP9 PRKAR2A MIR8085 PAFAH1B1 OSTF1 FBLIM1 PLTP LGALS8-AS1 MINK1 SLC25A1 EZH2 PLEKHB1 MRPL33 MIR3689C ARMC1 MIR127 HBEGF PI4KA MRPL12 GNPDA1 LOC150776 REP15 MGAT1 CCDC137 MIER3 ZNF8 CKB INSC PSMB6 PPP1R8 GOLPH3 UBLCP1 CCNI2 PIBF1 TTLL1 LOC613206 NKRF HSD17B11 TMEM35B SECISBP2 SPRTN GNG10 PIK3C3 DHDDS MRPL28 ANKRD28 SNRK-AS1 APBB1 COMMD7 SND1 ARHGAP45 CHD3 BCAP31 SLC25A44 PP7080 ESYT3 GSN-AS1 WHAMMP2 LINC00958 LOC101927051 ZNF81 EFTUD2 ZNF318 ZNF609 MED10 EHMT2 NDUFAF6 LINC02603 COA5 WTIP HACE1 C3orf20 ATG4B SNU13 GPR22 WDR5B GRIN2C LOC100128079 DMPK POC5 LPXN IDNK RPS13 NPPA-AS1 FADS2 PDZD9 ATP2C1 RCC2 TMEM230 AHCY CROT ALG12 THSD1 ZNF543 MIR548U BMERB1 TMEM8A NLGN2 ZNF566 PDRG1 SSR3 CC2D1A PPP4R3B STRADA PLAGL1 LLGL1 RNF2 MTF1 ITGB7 DNAJC7 TM2D3 HUWE1 SMIM8 CD180 MIR4479 FLOT2 MANSC4 ZDHHC4 MIR4729 ABCA8 ANKRD42 NDUFS2 BTBD16 ZNF502 PEAK1 EPS8L1 ZNF816-ZNF321P MAPK14 GTF2F2 NHP2 CLCN2 SATB2 SELENOH RRP36 RNF216P1 SLC25A13

		ANKS1B FLJ45513 HIST1H2BN RAPGEF1 AKAP10 DLG4 RPAP3 EFCAB14 PLEKHA3 TCP11L1 CWF19L1 GPKOW LOC100507547 LINC02709 MIR2116 GGPS1 ST20-AS1 MAP2K2 LOC101929574 SAMD8 MIR875 ANGEL1 CARS2 UNK SCD HCFC1-AS1 PHF19 TTC5 MIR106B ZNF875 ZNF518A RBM14-RBM4 STAT3 PPP2R5C EP400P1 SYNJ2 CAPG TPCN2 MBD4 ST3GAL6 TSSK3 MAD1L1 DDX52 LOC101409256 INPP1 DENND4A PCNX4 NFKBID NDUFB5 TMEM214 LOC100303749 ZBTB20-AS5 GATD1 N6AMT1 SIPA1L1 IER5L OXR1 FBXW9 HK1 SLIRP WDR4 VPS33B NPIPA1 HEXB MRPL35 SNORA77B MIR6820 C5orf34 ARHGEF18 TRMT13 ITM2C EREG MIR30C2 SUMF2 CENPA TMED5 CDH6 POLR3E AQR IPMK MINDY3 GRHL3 TBC1D26 CCDC127 SFN RBL2 CSE1L ZBTB11-AS1 SCGB3A1 STYX ATG13 CINP PPP1R26 PFKM SGMS1 NEXN-AS1 PRPSAP1 GRAMD4 LINC01068 DNAJB6 ELP3 MIGA1 PELI1 PPT1 SLC35C2 KEAP1 BCL2L13 GNB2 TMEM63B CCDC130 MIR626 LEMD3 LINC01988 CPQ PYM1 DIMT1 SPAG4 LIX1 ATL3 KPNA5 TCAIM MIEF1 IFRD1 KCTD9 WDFY1 ZBTB6 MIR3181 FBXL19 LINC01061 ERG28 GABPA CAMK2G HMGB2 POLB PTAR1 KIF3B PRICKLE2 REELD1 VPS8 LSS CLDN19 UBAP1L SNORA22C CCDC142 RNF165 ZMYM3 CREBL2 SNORD125 SCLY MIR6069 ZNF429 ENTPD5 LINC01312 PDIA5 SUCLG1 WDR47 KCTD20 AGO1 IRF4 DDX19A MST1R PLCXD1 MOB3A GFM2 PHRF1 ARHGEF11 ZNF529-AS1 PIK3R4 LINC01497 NDUFV3 ZDHHC11 B3GALT4 TMBIM7P VPS26C LOC101927164 SCYL2 PILRB CC2D2A B3GNT8 LOC101927157 GPATCH1 P4HA3-AS1 SAP130 MIR1268A LNCTAM34A PMEL ATP6V1B2 GLRX3 HTR2B UVRAG ZNF512 NCS1 SDAD1P1 ZNF619 ELP5 TOMM6 HGD C17orf58 SERPINE2 AARSD1 MAPK6 LGMN USP31 NTMT1 MIR4636 UBE2R2 LINC00528 TATDN2 SDCBP PYGL MIR6793 MTA3 LOC101928855 MIR6877 SOX5 POGLUT2 SFT2D3 INA DGKI FAM136A RIN3 SCAANT1 YBEY MIR548H3 MED17 MED4-AS1 TPP1 RREB1 ZSCAN2 SP1 MIR1207 TOX4 RNU6-7 TAF1 MYO15A RBM42 HCN2 ATP6V1E2 MIR4262 NUP160 USP21 C5orf66-AS1 NAXD ORMDL2 SERPINB1 GGT7 TUT7 GDPD3 PTPN21 MOK TBR1 IQGAP1 GTF2IRD2 CCDC82 PAFAH2 NPEPL1 ZNF451-AS1 TUBB6 LATS1 SPOCK2 FGF2 ZSCAN25 SNORA74B FLACC1 ING4 DPH2 VPS28 DIAPH1 ZNF71 LOC101928120 TRAF4 C19orf12 OS9 SLC4A1AP COPS8 ADAM1A SIL1 MIR5588 ASB6 SNORD112 EFNB2 PCM1 TSG101 NOB1 ATRIP GTF3C4 LAMA5-AS1 IQSEC1 PIGN LOC100130548 BAG2 ANKRD2 ISM2 SNRPN LOC102724804 GCFC2 COQ8A PLEC VWA7 NCAPD2 DCP2 MRPL49 GLYR1 SMU1 MIR92B MIR6499 FAH MIR1301 UBE4B MIR3944 DNTTIP1 BTN3A3 PAX8 RASD1 IL21R-AS1 ALKAL2 LARP1B LYL1 EDEM1 SLC25A19 C19orf54 LOC100505658 6-Mar SERAC1 NFATC2 SDF2 ANAPC5 NFATC2IP NOMO2 NKX2-4 CRYGS FBXW11 TMEM201 ETAA1 MIR6741 AKT1S1 NOS1AP PRDX2 RPL13 TMX1

		SAP30BP PRMT3 MEAF6 DOP1A SNORD14A TMEM92-AS1 KIF13B SLC39A3 XG SUGP2 C1orf226 ZNF626 ADAMTS13 ITFG1 C3orf18 MIR324 WDR5 RANBP10 MYO7A PKN2-AS1 ACVR1B FAAP100 TMEM128 ILVBL MIR562 MIR3620 IFNGR1 NOL9 MPP3 TGFBR2 ORAI2 WWTR1 DDX60L CIB1 TSSK1B ZNF680 MDN1 CLDN20 TNFAIP2 ADPRM LINC00668 ZNF575 KCTD7 MCM3AP MYO1F RNVU1-18 CLEC18A C7orf25 SETD7 RBM8A VANGL1 CHAF1B NDUFA3 CANX DESI2 LOC107985946 UGP2 ANKIB1 FRZB CATSPER2 CUEDC1 STARD9 PPM1F RP9P ZFHX3 NDUFA9 CTPS2 PGBD2 AURKC SCRIB ORM2 MIR6071 CUX1 GPX3 UNC119 SNORD134 TBCK EIF2S2 CKAP5 ULK3 SNORA108 CNPPD1 GTF2IRD1 SNX24 MORC2 LOC101928942 ZNF19 ZNF714 RSC1A1 HIST2H2BF AMT DSN1 CIDECP1 GPRC5B RASL11A STRN4 KITLG SUMO4 DDR2 WWP2 CTSH PAF1 TTC9C ZNF592 ZNF579 MIR6511A4 MIR6848 PPFIA4 DCTD CNIH3 MAP4K4 GPRACR THSD4 FEZ2 DLAT CDC5L TBCD LINC01585 APLF PANK4 TTN-AS1 WNK1 RNU12 SPRYD3 MIR6784 PPA1 POPDC3 GTF2IP12 GTF2H3 ATG16L1 PTH1R LOC112268124 RFLNB NF2 KRBOX4 ZKSCAN7 CALHM2 POM121 PHYHD1 FBXO32 MIR4803 SDCBP2 HOXB2 CRKL PARGP1-AGAP4 LOC101928324 TMEM168 MPG ZNF133 DHX36 TNFAIP8L2 PHTF2 MIR12135 CHCHD4 NDFIP1 APPL1 CUTA RAB43 IWS1 PTPN13 CDKAL1 GOLT1B NPC1 ALDH9A1 ZNF600 MIR6788 ZNF678 PKD2L2 URM1 C2orf66 LRIG2 MIR6773 MTERF2 VASH1-AS1 ATMIN STARD7-AS1 ZNF420 PAK2 ATP2B1 EEF1G INCENP IGF2BP1 CDK10 FCHSD1 ZNRF1 UBE2J2 PRR3 FBLN5 PUM1 KLHL24 CCDC88A RAB7A SGPP1 KANSL1-AS1 SNORA36C SLC35B4 PMS2 ERVH48-1 LOC101929679 TRAPPC6B BIRC3 AMZ1 ZNHIT6 WDSUB1 H2AFY RAB2A CIPC DLG1 EIF2B5 LOC101928595 CNTNAP1 APOL2 INPP5E HSPB1 U2SURP SLC7A6 NUP155 NT5DC1 RBM15 AMZ2 MRPL10 ARAP1-AS2 TECTA TPRG1L GZMM LOC727896 PAIP1 TCF25 NDUFS1 ARRDC2 MIR15A LOC101926889 TOP3A FGFR1 MIR545 CERK GOT1 CASP6 SUSD2 BET1L NOC4L FRY MIR6124 ATG2B FAM209A DAD1 HERC2 SNORA11B LINC02618 PCGF3 ACTR10 LOC400553 TBL3 CPLX4 COPS9 TMEM240 PDIA3 NECTIN2 DCP1A TMCO3 CES2 MIR624 WNT8B ATP5MC1 SNORA119 ARHGAP39 SERPINB9 GLE1 DHRS7 RAB30-DT RIPK4 LINC01983 GTF2H2 CCDC57 MIR151A GTF3C3 ITGB1BP2 METTL2B ALDH18A1 PRICKLE2-AS2 TMEM191C DNAJC5 ALDH2 ASAP1-IT1 MRAP PIN1 SNORD67 ATAD1 UBR3 PLEKHG7 OTUD4 MFSD11 MIR4766 USP7 HMGN2P46 ASCC1 OTUD3 YME1L1 RBMS3-AS1 TPCN1 TNFRSF10A ADI1 SCP2 SLC35D2 RWDD4 SH2B2 SLC6A6 RAB35 LINC01081 PDZRN3 FKRP SDHAP2 PEX11G TMEM200A NIPBL GHRL EIF3M MICU1 PRRC2B BDH2 ZMAT5 SMAD9 ACTC1 INO80D SNORD114-6 TMEM87B AFAP1L1 MIR6513 ENDOG WNT3 LOC105371925 ZNF549 ZBTB18 LOC103611081 NACAD

		C12orf4 NTAN1 SNORD114-27 MOB4 SLC35A5 LEMD2 IGFBP7-AS1 CD99 ZNF79 NOMO1 SLC10A4 OCRL MEG8 GLA DIDO1 PLA2R1 PRRT1B COG3 CBFA2T2 NGDN SAC3D1 STK40 AGGF1 DPF2 CBARP TMED9 PJA2 SMG1P2 LOC101927243 CARS MIR6823 LINC01460 MGST1 LOC100507144 RBM44 RHOBTB2 UTP14C RABEP2 MIR877 KIAA0586 PERP MIR548AK MTR DHFR LOC100131496 PPP1R12A SPDYE5 ACTG1P20 ZNF7 SERTAD2 ZNF672 YWHAZ ANKRD52 TMEM140 SCARNA8 PRPF39 USP4 MMP24-AS1-EDEM2 HPF1 PAX8-AS1 NUAK1 RRAD MIR8077 NCOA3 SLC16A1-AS1 TDRD10 VSTM4 SNORA5C BCKDK CTSB CMYA5 RILPL1 SIRT2 ZNF417 DIXDC1 CHAMP1 KLHL10 MIR3160-1 GNRH1 SNORA38B MIR6732 ERCC1 HARS CREBBP BVES PARK7 COQ5 NOP10 IFT43 RABGEF1 MAP1LC3B MEMO1 DCLK2 NAPB SIGLEC16 ZNF827 LMAN2L DPP7 DSE OSBPL3 MRPL20-AS1 SLC39A9 SENP8 MIR4292 IGFLR1 EPS15 C19orf47 LOC103021295 MIR548O SMIM41 GNS FDFT1 PEX26 CCDC90B LRP5 SLC25A34 ARFGEF2 MAP1A SSC5D NELFCD EME2 TMEM69 TRAPPC5 ZNF362 MIR183 ANKRD17 ATXN7 IL21R ZNF781 DNMT3A MIR1204 NCKAP5L AP2B1 LINC00324 SMCHD1 BMP2 LRRC19 CCNDBP1 SCCPDH KAT8 SRRT PDE4D EPHB3 TSPYL5 MIR4779 FRS3 LINC00423 GXYLT2 UBE2K XYLT2 HIPK3 GAL3ST1 TSPY26P DHCR7 CRAT FGFR4 CFLAR-AS1 LOC102724784 PIK3CD SLC7A11 MAIP1 FHL5 ENOPH1 FHAD1 SMIM23 ARPC1A MIR6803 SPATA2 RUFY1 FRMD4A ORC5 TMEM259 MIR6796 ZC3H12C KIAA1841 GPR18 ACAA2 MIR4690 RNPC3 KLF9 TTC27 PYROXD1 MIR5009 TMEM178A ZFAND6 EEF1AKMT1 RCC1 LINC01031 MIR670 MIR8087 PARS2 INTS12 ZBTB4 B4GALT4 ZFPM2-AS1 CHD1L MIR7851 TRMT11 KIRREL3-AS2 TMEM62 POLR2M MRFAP1 CASP8AP2 MIR6817 SNORA79 SERINC4 MIR4672 MICOS13 GHDC SMARCA1 ADGRF2 WEE1 SPAST PARP8 TEAD4 TMEM89 DTX4 ARMC2 RPS15AP10 ZNF608 MIR335 SLC25A42 FKBP8 GALNT15 POT1 USP40 CCT7 C3orf62 ZFX UCHL3 GSG1L CARHSP1 ARHGAP20 CCDC102B HDDC2 SNORA37 SLA2 SDS NCOA5 SNORD175 IRAK1BP1 GGT1 SNORD124 LINC02362 MIR6836 WDTC1 HAS3 TET2-AS1 C1S GLO1 WDR61 SIRT7 PKIG MIR3177 MKNK2 U2AF2 SEC16A CPLANE1 MIR3157 UTP25 TSSC4 COL11A2 AAR2 BPNT1 PLD2 PUM2 PHC1 SYNE3 LDLRAP1 IL10RB-DT EMC2 MIR493 FLJ37453 TLN2 ZNF493 MIR1236 ZNF717 SFXN1 CTNNBIP1 HMGN2 NEUROD2 BRPF1 ATP9A FNIP2 GJD4 RNF216 TMEM70 SBF1 KAT14 C1orf50 MIR5697 USP46 MIR4797 STIM2 PKD1P6-NPIPP1 TMEM236 PLAT COPE IQCE HS1BP3-IT1 FBXW10 YRDC BLVRA MIR1273C KDF1 BTN2A2 FRG1 NIPSNAP2 ADAMTS15 ARHGAP1 SPRY4-AS1 FCHO1 PGAP1 FSCN1 ANKRD36C BNIP1 MIR6084 RELCH MIR6891 TYW5 PLCD1 SRD5A1 NDUFV1 TASOR UFSP2 ZNF56 ATP1A1-AS1 ZNF142 ANKHD1 LARS2-AS1 BRD7 RNU6ATAC DTYMK TAX1BP3 MARK2

		OPA1-AS1 SLAIN2 AMMECR1L WDR77 HMG20A MIR6737 QTRT1 FBXL22 AP1B1 DYNLL1 PLSCR1 LINC01507 PHACTR2 ZUP1 SLC35E1 DENND6A MAPK8 DNAJC8 SRP54 GPR35 MIR147A ACVR1 SCN1B JADE2 ASMTL TTI1 KIF1BP DNAJC27 LACC1 MTFP1 SART1 GEMIN2 SEMA6D MAPK13 GSPT1 DPP9 GTF2B SLC43A2 NAIF1 GUSB COPS3 MIR1294 EXTL3 LOC100652999 SUZ12 FBXW7-AS1 ZNF415 CDK5RAP3 YTHDF2 GGCX TCEA1 ARPC4 C22orf24 LOC100288123 KBTBD4 SMIM6 LOC103171574 FAM76A CSPG5 ZFP2 FKBP15 BZW2 TST REPS1 DCPS PDXDC1 SRC SETD9 SNRNP35 CRMP1 NUP107 OSBPL9 LOC100128653 CASTOR1 C12orf45 TCTE1 C1orf54 TMEM14B GRINA WAC-AS1 CLIP4 SH3GL1P1 SMTN TMEM87A CYP17A1 GFER PCBD1 DDX1 SP3 C20orf203 PIR-FIGF TBC1D7 VPS54 TMEM262 DCAF10 SEC11A RPS2P32 LENG1 SLC25A30-AS1 SMG7 SPAG8 PLPP3 LINC00412 PLGRKT VASP SNORA30B SYPL1 FIZ1 COA8 BUD13 RPS27L MIR4709 TGFBR3 TATDN3 MED24 PPA2 MAP3K7 AKR1C1 MIPOL1 BAG4 CHURC1-FNTB MIR4646 ZNF746 AGAP3 ATXN1 CPOX TIRAP SPSB1 FAM219B PDZD11 OLFML3 ELAVL1 DNAJC17 TMEM120A BNIP3L MESD DCAKD GUK1 RASSF8 GS1-124K5.4 HINFP PTGR2 LAP3 IMPDH1 PPIC ACP6 PRKACA TRPV3 ASXL1 MIR3179-3 IDH1 XRCC5 CSE1L-AS1 RAB1A LOC105371814 LMOD2 ZNF664-RFLNA NUDT4 VRK3 FASTK FBXO38 SHLD2 LMF2 GDF1 NUP205 ACTA1 NHLH1 WRAP53 SMIM32 RNF181 RBM15B COLGALT1 SBF2-AS1 AGBL5 TXNL4B SNRNP200 TOP2B RNF114 RAD54L2 LOC105373562 TSSK2 KCNIP2 KLF13 ZFAND2A AP5S1 MED19 SREBF1 LRRC57 PWWP2B UBTF MIR4746 TMPRSS12 PHB HSDL2 WDYHV1 MIR3192 AKR1A1 MIR634 POU2F1 ZNF350-AS1 TMEM184C C13orf46 LINC02210-CRHR1 ENGASE SEC61B SNORD38C GALNT1 RSL1D1 ANKMY2 RBM25 DHX58 ARCN1 PLEKHA5 MIR4305 MIR12127 KNCN SEC24A POLR2E PCCA-AS1 ZBTB25 MIR4748 MIR6874 EPHA8 LOC728554 GSTM2 ETV1 TRAFD1 MTCH2 PEAR1 PGS1 PPP2R3A HAP1 KDSR PLAUR NME1 MESP2 ZKSCAN2 ANKS3 RBM28 DEPP1 SELENOT PCSK7 ZNF883 PBX2 GIGYF1 CAAP1 HGS POLA2 ERCC6L2 TCOF1 CCDC183-AS1 EVL GUSBP4 CFD ERC1 TRMT5 PPP1R7 SCO1 HTRA4 LOC729968 MIR26A1 SPHK2 MIR4633 AGO3 LETMD1 CD3EAP TMEM63A FNBP1 S1PR3 ZNF224 CKAP4 MIR6843 PITPNM1 OAT MIR3658 DONSON SLC30A9 SLIT1-AS1 CCDC25 NBN CNTD2 MICU3 FAN1 TAF5L TSTA3 RAC1 MED20 SQOR CHMP4A TOMM20 FBXL12 DNAH14 TBC1D14 TC2N LOC100129534 MRPS35 BTLA SNORD116-19 DCK TIA1 KLF11 HOMER3 KLHDC4 TUG1 DPYSL2 IFT46 EXOC5 LOC105378683 AFAP1-AS1 CHID1 ALPK3 LOC101929231 ACAD8 MED29 MIR10525 GNAI2 METTL8 CAMK1 LINC00574 FGFBP3 SMPD4 MIR6830 NOM1 PSMA3 FARSB ASCC3 ZYG11A ACYP2 LYRM1 GRK6 LYSMD4 EPHA2 CRLS1 MIR6764 SNRNP70 MTHFR NEURL2 CALML4

		RSL24D1 UBE2F LINC01424 DAP3 PHF3 RASL10B P3H1 GEMIN8 DICER1 MIR8072 MIR320D1 MAPKAP1 HENMT1 MIR6799 CYFIP1 UBQLN4 LOC91450 NPAS1 MIR8076 LOC102723439 MIR6775 LMLN SLC2A1-AS1 MGST3 MRGBP BDNF PRPF19 LDLRAD4 NDUFS8 TEFM SLC25A16 MIR6862-1 EIF2B3 RPA2 RBM4 SCARNA21B CSF1 MXD4 SMARCB1 ULK1 ARID3A WDR43 MTHFSD LOC155060 POLM UHRF2 CPLX1 CLPTM1 LINC00515 ZNHIT1 AMZ2P1 TMCO2 GPI AGPAT3 TSEN15 CCHCR1 CELF6 RPS27A IGFALS PLCB3 NPAT COIL GPATCH2L TMEM217 SNORD148 TSC2 NRP2 MIR3115 GTF3A KRAS GPR151 ZRSR2 NECAP2 TMEM44 BBS10 PRDM4 HSPA4 DHX40 CZIB EVI5 GET4 IFT80 SPEM1 PSMG2 LSM10 MYBL2 GNB1L GPALPP1 C12orf10 NAGA RPSA HSPA4L RASGEF1C CENPO KCTD5 LOC105371506 C1orf21 HOXA3 DYM RAB21 FOXJ2 CPNE2 ZNF343 PBRM1 FBXO33 SLC25A25-AS1 MIR6809 ZCCHC24 BICRAL RNF20 TPBGL NR3C1 NEK7 DNALI1 KCCAT333 MIR5094 TMEM171 AGO4 SERINC2 SLBP CCDC138 ANAPC7 MAGOH2P BNIP3 FES YJU2 NME6 MIIP AP2M1 STAC2 SNAPC4 CDK6 NPRL3 TEAD2 VAPB ACKR4 QPCTL LOC101927640 PRPF6 LINC02387 AKTIP FURIN HTT-AS MIR6511B1 SMIM12 MIR5582 SELENOF GMIP SELENOW PPP1R3B KIAA1107 CDC42BPG PHOX2A S100A14 CERS1 XRCC3 BTBD2 SNORD172 ACRBP GPATCH4 MIR6871 TWF2 AP1M1 PRELID3B MIR593 CHUK MIR922 PDPK1 PEX7 RPS26 MIR7107 SPATA6 TBXAS1 KXD1 ALDH1B1 ZC2HC1C PCYOX1 MIR937 CYTH2 FAM168B GPR45 PARP6 REV1 GNA15 MIR4737 CHST14 GAMT DRAM1 TRMT44 MIR939 FRAT2 GTSE1-DT HIRIP3 MPHOSPH8 GALM MTIF3 ATF5 IQCG TULP4 TECPR2 SLC4A2 STK33 CYB5D2 SNUPN PKNOX1 PFKFB3 NDUFV2-AS1 OSTM1 QRFP CLCN7 SELENOM MAP3K10 PCDHGA9 AMDHD2 PDCD2L MTERF4 CRYBG3 LRRC14B MAN2A1 SPECC1 MGC16025 COQ3 RRBP1 KLC3 MTMR10 MAT2B TJP1 ERLEC1 LINC00689 PER2 SCARNA6 ARFGAP2 ZKSCAN4 PMS2P1 CDRT3 FAM118A RETREG2 TBP LOC101927974 LINC00635 LOC101929340 CXXC5 ADSSL1 ERCC3 TADA2A TFRC IPO5P1 TMEM80 OCIAD1 AK2 LHPP BCOR MIR197 TYRO3 DYNC1I2 CCNC CCDC151 DHRS3 UBAP1 BHLHA15 ANKRD9 ZBED8 ZBTB20-AS1 THAP3 VPS13D KMT5C CCDC62 SPIN1 OR5B21 RAET1E-AS1 FUZ ZNF813 SLC35G5 PVRIG2P RFXANK FAF2 ADA MIR1206 PDCD10 ACADS DCTN6 MKRN2 C22orf31 GRAMD1A PSME4 TFG DGCR11 ATF7IP CCDC8 MIR6880 TEF MRPL44 LIMK2 MIR3125 KCNJ14 UBE4A MIR1257 ICK SEL1L LOC101928123 MIR6865 MIR643 TRAPPC13 PARP1 SIAH1 SAP30L-AS1 SH2D4A LOC101928659 BTF3L4 DDX55 RPS15 MIR6772 GOLGA7 GCNA TGM1 RN7SK ZC3H13 WDR81 AP5Z1 ENG MIR12122 WBP1L BRD9 GLUD1 OGT SNORD114-14 PHIP AARS2 SLC11A2 DHX32 SCAPER MIR6770-3 STN1 SS18 SFRP5 PML AIRN ARL9 DPP3 PDE2A COMMD4 DAB2 RPL36 MIR548E AGBL3 ASPM

		ZNF276 RBCK1 TLE1 THAP7-AS1 MGLL LINC01118 MLLT1 ANKRD39 COPS5 TVP23B SCPEP1 LINC00200 MTG2 BPTF LINC00513 LOC151484 DENR SENP2 JKAMP XPNPEP1 LOC100506730 MLLT6 MIR1908 CDK5RAP1 ZNF571 NLRC5 SORBS1 LOC101928557 TBCA HTD2 C12orf43 SNAP23 CBL GP9 GPR4 FBXW5 RASGRF2-AS1 MIR6075 MTURN GALK2 EVA1B STRA8 CEP97 FOXP4-AS1 UBA6 DLK2 RAB3B REEP5 SRPK2 CACNA1A TCAF2 LOC401127 PLBD1-AS1 DOK3 PXDNL EMC4 ANKFY1 LOC101929439 LINC00852 RWDD1 VHLL FIP1L1 LENEP GMDS-DT ENSA AMH ZNF526 MIR12117 MIR6856 PPP2R1A CCKAR HNRNPM COL2A1 IFI30 AUNIP CIAO2A RASSF2 BFAR KLHL8 PPIL2 AIMP1 2-Mar DNAJC2 SLC27A4 PRKD1 TNFAIP8 MICALCL ZNF674 HECTD3 LGALS9 ZNF561-AS1 SCARB2 SCARNA21 MAPK3 USP34 MIR6750 APLP2 MICAL3 ADK ATP5PB GTPBP10 RANBP17 TIMMDC1 CRYZ SNORD103C SNORA74C-1 CTBS ETS1 EDC4 MIR1238 TNIP2 SDHAF4 TRIM44 PARL SIDT2 GRN HSH2D TRIM32 SCAMP1 PTS BANP ADCY6 CYP51A1 NPR2 MIR3664 CFAP410 LOC729291 ZFYVE26 SNX3 STOML2 FLNB-AS1 ZNF273 MIR6801 NECAB3 UBE3D PYY2 TSC22D4 STK35 CCNH USP48 RRM1 RUSC2 LOC114483833 RAD17 ZNF708 ARHGEF1 VN1R1 PCCA TSSK4 OSBPL11 PRKAR1B TCF3 FYTTD1 ZSWIM7 SERPINE1 TMEM191A IRGQ MIR6815 PPP2R2D LOC643072 DTL ACTG2 LPAR6 CREBRF FAM124B CTBP2 MIR4253 ZMYND11 MIR3619 CRTC3 CDH23 LRRFIP2 INTS4 ZNF525 ZFYVE21 BEST2 ZNF93 C8orf76 MEG3 ETFBKMT BCCIP TMEM219 DYRK1A PARD6G-AS1 SARDH ANGPTL2 HBS1L TMEM30A PDS5A CRK BRPF3 LINC01975 CEP295NL DDX23 ETV5 SLC39A11 LY6E MIR4673 MIR629 MAD2L1BP CORO7 LOC100506551 PLPP5 TYRO3P PPP2R3C COX11 CUL4A NDUFAF4P1 CDC42BPB RIMS2 FAM217B SART3 TARP UPP1 PITPNA-AS1 ZNHIT3 SNRPD3 FDXR PRKAB1 KIF20A YAP1 ITPKC RPUSD4 SNRPB MIR4639 MIF MICALL2 TIMM21 TCEA3 SPATA13 CEP152 F2RL3 LOC101927539 NUDT5 LOC107985939 UBP1 RBM27 ZNF282 ZNF788P PRDM15 STPG4 CERCAM NAA25 SUPT6H GSK3A PI16 CEMIP2 LOC105370941 ADAM20 SBK2 GPR89A ZNF30 TRPC4AP LAMA4 ZZZ3 NDUFA10 NUDT15 CEPT1 CCDC92 ETNK1 TEX30 MFSD14A EPS15L1 UBR7 CYB561A3 BCAT1 EBLN2 LOC100505795 MED22 TMSB4X CHAC2 ETFRF1 ZNF398 LRCH3 CAPN7 GEM THAP6 TM6SF2 FAM72C RANBP2 LIG3 IRAK4 ECI1 KDM3A RETSAT CAST DDX41 SLC4A11 UBE2D2 PGM3 GABARAPL2 MARVELD2 TAOK1 EXOC3-AS1 SLC38A7 OGDHL GIT2 MIR4457 HSPG2 SMG9 ATP6V0E1 SLC52A2 SLC17A8 SUCLA2 NANS ANO6 SCNM1 TNRC17 AMD1 GGA2 TRIB2 CCDC115 TTC1 HIPK1 ATP8B1 STX4 SEC22A LMBR1 TMA7 MMP23A LANCL1 FGF23 SNX21 PCNT MIR3713 NPHP3-AS1 BET1 SNX17 RPRML ZNF622 GHRH SMCR8 RPS6KB1 DNAJC19 POLR3B LINC01534 ELOA-AS1 SHISA5 RNF169

		PLPBP KCNMA1 CMTR2 LINC02080 ATF6B NDUFS6 TUT1 VPS4A MIR6876 GFOD2 UBXN7-AS1 ZNF646 ZAR1 RAB1B NTRK1 HOMEZ ANGPTL5 UBAC1 TRIB3 COL4A5 ERV3-1 CCDC97 CAPNS2 THRAP3 LYAR PHYHIP COPS7A RNF185 SLC12A8 C4orf3 SSBP3-AS1 ZFYVE1 MRPL1 PTCD3 SNX33 SNORA46 LEP IRAIN MAPKAPK2 ECH1 NMNAT1 LINC01848 DIP2A ITGA3 SLC26A10 LUZP1 EFNB1 TIGAR EIF4G3 ATP5MG A2M PHLDB3 NOL8 LOC100129917 RELT ROCK2 CCDC66 FOXK2 EED ATL2 DGUOK FGGY RBM17 SUPT4H1 MIR1181 RAPGEF6 EGOT STARD5 MIR6859-3 MFF NOA1 FAM98A SLFN12 STAU2 EXOC3 RAD23B NCOR2 CHRAC1 MFSD8 PODN SSU72 TIAL1 TM4SF4 AP3M2 USP14 APOE DSTN FBXO31 NR2E3 C9orf139 ING5 LINC02022 ORM1 HIKESHI EDRF1-AS1 CCAR1 CCDC43 PRR19 KLHL36 ADH5 MIR1225 SHBG MIR1291 CDIPT TOR3A PREP MIR4782 COPS4 MAP3K13 TONSL EIF1AX FOXD4L1 BCL2 RNF166 ZNF239 ZNF284 TNXB TOMM34 LOC107984265 ADAM32 XRN2 RSRC1 LOC100506544 POLR2J4 PSMD11 ALAD MIR6845 CDC42BPA CNOT1 CEP120 LUC7L2 SPTBN1 LOC102723360 LSM4 CDC42EP3 SAMM50 MFN2 LINC02035 NUCB1 MTX1 ATR DDX49 BRK1 THAP1 DOHH MYO5C CROCCP3 ZNF552 LDHAL6A MIR6762 ZSWIM8-AS1 PI4KAP1 AGT GLIS2 VPS25 CHRNB2 COL7A1 TM6SF1 COX10 DNAJA3 GLG1 EPHA4 MUTYH ZNF70 CMTM3 GPATCH2 FAM234A NQO2 ZBTB20 RPUSD3 NEU1 UBE2L6 LINC00557 TSN LZTFL1 KLHL7 ALDH1L2 MIR3199-1 NFYA LOC105371855 PBLD PTGER1 ACTR5 HEATR5B TRMT6 IL17C SMAD5-AS1 ZFHX4-AS1 ATP6V1C1 RTCB COQ10B PDZRN3-AS1 NFE2L2 SH3PXD2A MRPS24 JADE1 SKAP2 TRAF7 HS1BP3 PARG DYRK4 CHRM4 JPX DENND5B-AS1 MIR604 GGN RTEL1 C20orf173 BRD4 VMP1 TOMM20L MTMR6 MTG1 TNRC18 PRR36 LDLRAD2 CARD9 SLC4A5 FBXO46 NDRG2 CELF5 CYP2T1P SNORD152 MIRLET7F2 NECAB2 RGS20 MIR554 UPK3B MTMR12 RELL1 KLHL21 LOC101929154 FAM177A1 RER1 RPN1 GSDME KLF2 PMVK FAM160B1 SNRPC KCTD13 MIR571 KLHL28 IRF7 FAM193A FBXL20 NAB2 LRP5L MIR1909 SLC38A9 SHH SH2B1 EIF2S1 RFNG TARSL2 TERF2 LINC02133 ZBTB8OS LINC02585 MIR6080 XIAP GPR62 GPS1 BDP1 RPS29 ATP6V0A2 MKLN1 KIAA0319L NAA60 LGALS4 SDHD LOC105379176 NF1 IMPAD1 TAOK2 HCFC1R1 PPFIBP1 LYPD3 BCL7A MAP4K3 RMDN3 CBS ATP5PO KIAA0753 LOC440700 METTL21EP FAM71A CLIP2 NCSTN PARP4 FOXRED1 SLC35B1 NOTCH2 SULF2 CEP164 ADD1 ZNF136 FAM180B TRPC1 VIRMA RRAGC MIR762 NUB1 OR11H12 MAB21L2 DGKQ CSNK2A2 HERC3 ZBTB47 ZNF681 CUL3 PODXL FAM160A2 GPX2 KMT2B MIR6776 RABAC1 YPEL1 FBXL5 METTL16 MEF2B KAT5 LOC652276 LOC100506990 PARVB ELL LOC220729 CDS2 GOLGA6L9 EEF2K MAN2C1 NSUN5 CEP72 SNRNP48 ZNF18 BNC2-AS1 DECR2 MUS81 PHYH C22orf23 IL10RB OTUB2 VWA3A CHPF2 ALPK1 FGF22 ZFP1

		CEMP1 E2F7 LIN7B VCP THEMIS2 ICAM2 FAS-AS1 RALB SNORD62B PDXP KIF9-AS1 VPS37B MIR3940 PANK3 SMIM1 SFXN3 CEP104 NCOA6 PPP4R1 MAN1A2 MIR4441 UPF1 LOC643802 ZSWIM4 CDC40 GTPBP2 SETD3 LOC91548 MIR548O2 ACOX3 CD109 CCER2 GOLGA8J TP53I3 TOR1A SLC22A20P GPBP1 TRPV1 ADAMTS12 AVL9 MIR6855 FER1L6 WFS1 TBC1D16 ZDHHC17 PPARD KDM4A URB2 SNORA98 YBX1 PHAX STK24 SPEG AAAS CFAP70 MTF2 PARVG FIG4 MIR4512 IGHMBP2 LOC100499489 DCTN4 CCSER2 KCNH3 EIF2AK2 AP1S3 PAM MIR641 GDPD4 SNORA40B ZNF114 KMT2D WDR70 MIR590 RINT1 FAM8A1 C7orf50 GPR21 UNC119B C5orf64 FNDC9 RAD23A PLA2G12B HAUS1 MIR34A LOC101927322 LOC101930421 PPP5C MIR222 GHITM SCAMP4 SP110 KIAA0513 MIER2 SH3BP2 AGRN DHH CEP290 CNPY3 TFB1M CNTNAP3P2 GOLGB1 NFKBIL1 UQCR10 C5orf51 API5 ZNF790-AS1 DCAF13P3 LOC100287036 ADHFE1 PTBP3 NELFA NAGLU MYSM1 LOC100286925 SH3YL1 TMEM38A HDHD3 RAB2B DHRS12 WHAMMP1 ZC3H8 FBXO9 MIR3128 TNPO1 MRPL13 METTL6 RAB6A SOD1 PAPOLG CDK13 CHML OC90 MSRB2 ZNF317 NR4A1 ZSCAN21 TRAPPC11 PRC1 RMDN1 MELTF MIR941-3 RASA2 SRGAP2B OSBPL7 MIR4484 DBI LOC100507599 LPIN2 PDP2 UFD1 DIABLO RPS6KA4 TGFBRAP1 BBS4 MPHOSPH6 RGS11 MIR6806 CLPTM1L LOC100129484 ATP6V0C SGTA TTC39B NUDT19 PLEKHB2 CASP16P ELAC1 SCARNA1 D2HGDH CCDC17 HM13 TCERG1 SMIM26 RPRD1A KLF5 UBL5 LOC100129034 C7orf61 CPEB4 MIR339 PLEKHG5 EIF4ENIF1 CCDC9B MIR936 TNFRSF21 KLHL18 CRIP2 MYDGF MPLKIP CCDC136 HERC2P9 CABIN1 SNORD89 HIST1H2AC UVSSA CDK7 CRELD1 SNCG DRD4 GDF11 GCN1 ARL5C WDR27 CDAN1 LOC100335030 TGS1 MCM4 TOMM70 IFT88 CEP192 GUSBP11 ID2 SLC24A1 ATXN1L DNM1P41 PWP1 DNAH10 METAP2 GNG11 TBC1D32 ZBED4 CLCN3 GPAM ESYT2 INTS13 TENT2 ZER1 INTS2 SEC14L2 TAPT1-AS1 LINC01940 LOC153910 PHEX CCZ1 MECOM MIR4642 POLH CAMTA2 FILIP1L SNAPC2 L3HYPDH DGKA SGSH LOC105372273 GALT ZMYM4 MIR7111 STK32B TMEM243 ATP6AP2 TPT1-AS1 SLC35C1 NEURL4 RSPRY1 LOC100130449 HERC5 THAP9-AS1 TM9SF3 DDHD1 SHPK MAFG BICD2 C14orf119 ALKBH5 MIR1537 SHANK2 JUP ARHGAP27P1-BPTFP1-KPNA2P3 TMEM41A KBTBD2 MYL9 PDIA6 CDC23 NBL1 MARCKSL1 ZNF496 NCK1 CUL7 EIF2B1 CTRL RNF10 JMJD8 NCBP3 LINC01798 MIR627 ZNF37BP SBSPON TBRG1 SV2A TAF1C CIAPIN1 MIR4728 ZNF668 ADAT1 ANXA2P1 RPP21 MLKL ZNF737 KLHL5 CRYL1 SPACA9 MVB12A MRPL58 DLG5 PLEKHF1 LOC101928140 HDAC10 ZFYVE27 SND1-IT1 RNMT PROX2 BOLA3 SEMA3F TMEM135 SNORD91B IGBP1P1 MAPKBP1 GNB1 UBE2V1 DMWD POLD1 LCAT U2AF1L5 ARHGEF25 POM121C CDRT15P1 SKIL TMED6 LRRC27 RAB10 TSTD2 ZBTB7B ST3GAL5

		DHRS1 TSSK6 CNOT3 TYW1 ZNF821 GAK SFT2D2 GRAMD2B C16orf70 CPT1A FCSK ZNF433-AS1 SNORA16B JMJD7-PLA2G4B MLH1 EFCAB8 AMPD2 IFNAR2 CYB5A NRBF2 FBXO6 ITGAE PCNX3 MCM3AP-AS1 ANKDD1B MIR6126 IFRD2 DOCK7 DNAJB14 MAP1S TTC4 NOXRED1 NDUFS3 WDR3 MAGED1 CRAMP1 HSD17B14 MIR10399 ALG1 TBC1D23 SAMD4B HEXA USP39 ATXN2L MAP2K3 OMG SCAP ZNF486 NARS SMAP2 CWF19L2 PEBP1 RMND1 GMEB1 AKT3 LOC340512 GEMIN5 LTBP3 AMHR2 UTP15 EEF2KMT MYBBP1A PHF11 MIR4435-2 NDEL1 AGPAT4-IT1 USP8 MBD1 C1orf162 RBM48 ARFGAP1 ZBTB40 LYPLAL1 ALPL CHST3 TRIM62 OXCT2P1 BTAF1 TFAP2E SNORD145 MAEA RNPEPL1 CPSF2 PSD3 ISCA2 GBX1 GNB3 SNORA63C CEP295 DBNL ARHGEF10L BCL2L12 DNASE1 LINC02106 ZNF554 TNIK SLC22A18AS LYRM4-AS1 QARS IRS4 MACF1 TGFB2 PRDM14 MNAT1 TMEM160 ZDHHC2 LZTR1 POLR1C KANSL2 TRIO RAB42 NUBP2 TM9SF1 ZNF473 IQCK GPR107 SNORD116-25 RECQL AP1G1 CTNNBL1 SMARCC1 FOXQ1 NAXE LINC02033 SLC37A3 POLG2 CD4 TSL AGAP5 SDHB TSPAN3 SMARCA5-AS1 FBXW8 C8orf58 MYO3B USP20 DERA L3MBTL2 MCRS1 PLIN4 ECPAS ZFP3 PHKG2 DDX19B EXT2 ZSCAN30 DOLK MIR6834 PTPN12 CRYZL1 CRY2 DIP2C LAMP1 LINC02424 RXRA ALKBH1 MIR4650-2 SCARNA10 ABITRAM FAM13A-AS1 SNIP1 MSL3 LINC01772 MIR3925 MAML2 SPAG16 MIR98 ARHGEF12 NFATC1 B3GNT9 SCYL1 CTDSPL2 HMOX2 YIPF4 DGKH PLCG1 ANKRD10 SLC16A7 EMC1-AS1 DSTNP2 MIR370 ITGB4 DCBLD2 MIR635 RBM33 YTHDF3 TMEM150B LOC152048 THYN1 OTOR UBE2I TBC1D5 ANGPTL3 HRH4 FLYWCH1 MYO6 GLRX2 RBM24 AKIRIN2 RBM23 FAS PRKCI SLC15A4 N4BP2L2-IT2 SOD3 ZNF574 LOC100288175 ALDH4A1 TRNAU1AP COPA ALKAL1 MIR4653 SKP2 SYNC PARVA MIR6840 ATP11A-AS1 LOC112268140 RNF34 COA6 CD36 LOC101927278 PRKG2 LRRC37A2 ARF4 DCAF12 MBTPS1 MIR215 FANCL ZNF692 SH3GLB1 XRCC6 SUPT5H KCTD18 C12orf76 SOS2 LOC102723824 LOC403312 LINC01032 LARS ZBTB2 TRAF3 LETM1 GALNT5 PLXNB1 USP10 MIR6742 WDR75 TEX261 MIR4749 FGD4 CLDN2 NSMCE1-DT ZMYND8 PDXK TAP1 HCG17 NACC2 ZNF382 INTS8 COX17 ITGA1 ARHGAP33 TMCC2 TCF12 HAL EMG1 B4GALT4-AS1 MIR640 COLGALT2 VPS36 MYNN ITGA8 DCLRE1B PRKCD MIR619 NDUFB4 GRIK4 NPIPA7 TRIM65 TP53INP2 MYO10 PUS1 LINC02693 PEX1 BCL9L RBM19 PITRM1-AS1 MEIS1-AS2 LOC107984974 POGK RIPK2 ZNF540 LRRC43 MIR3130-2 DYRK2 PIK3C2A MIR6780A LINC01725 ARNTL2 ASAP3 TERB1 MRPS18A ASPH EARS2 PGBD1 PITPNA LOC105371046 SLC25A22 PRR14L DYNLL2 FABP3 MYBPC3 TRPV2 SIM1 SNORC CDADC1 KIAA1217 LOC101927727 MORC3 MIR6853 TBC1D2B CCDC32 ALG13 ZBED5-AS1 MPV17L2 ZBTB45 ANK2 AKR7A2 PRC1-AS1 VEGFC LINC00092 KIRREL1-IT1 SRBD1 DBT

		LINC01530 INVS MIR32 RFX1 P4HTM LGALS3BP HPS3 SMIM7 MRFAP1L1 MIR761 ARHGEF3 CSNK1G2 CD27 NPM2 RWDD3 HELZ2 COX20 CMC1 CACUL1 NR1H2 OCIAD1-AS1 DCAF1 SLC25A29 SPHK1 TRIM26 CA5BP1 GID4 ZNF578 RUVBL1 APAF1 MYH11 MIR3911 SNORA14A IFNGR2 NDUFA4 TBC1D20 MIR6079 MIR451B INSM2 SHPRH SNORA105B BCAR1 RABGAP1 RNF187 GBP2 CTBP1-AS SNORD149 MIR3918 C1orf52 CDC42 GRK2 RPL19P12 LRPPRC NDUFAF7 LOC440434 POMGNT1 SNX2 CLEC18B RBX1 GRHPR NKX6-3 ANKRD54 TSNAX CENPBD1 ZBTB7A SEMA7A EDF1 LTN1 ZNF818P GTF2H4 AXDND1 PARP2 WDR60 TMEM75 LINC01191 MTREX MDM1 CD9 ALDH7A1 EIF3F CASP7 LENG8 EDEM2 DHX37 CRYGN AATF MCRIP1 LOC100130283 LOC441242 SMAD4 SLC35B3 RRP1B STAT6 GNL1 CCDC40 THOP1 PER3 LINC02365 TRIAP1 ARMC10 SNORD13C VARS2 PTPA NFIC ITPR2 SUN2 COX4I2 CCNT2 MED16 PLOD3 MIR602 ELMOD2 SHC3 DYNC2H1 DRG1 SRP19 MFSD1 LRP10 PUS7L ATG16L2 SEPT5-GP1BB MIR1262 VPS35L GPHA2 TSPAN5 EHBP1 ATAD3A OSGIN2 ADCY10 LOC101928943 SRSF4 TLE5 ASGR1 CXorf38 FBXL2 BRD1 LPAR2 FBXO44 MCCC2 SNX7 IVD HEATR1 NAA35 SPRED3 ZMYM1 PSTPIP2 PMF1-BGLAP LYPD1 SUGT1P3 BCAS4 ISY1 MIR4315-1 NNT-AS1 CUL1 LY6G5C CNEP1R1 CXCR5 MIR6787 FLNC-AS1 HSD3B7 VDR PODNL1 SMIM24 ZNF213 MIR1913 MIR6888 DLL3 CREB3L2 MFSD2B FASLG WASHC4 MIR589 NUDT2 CD37 LINC02349 MIR330 MRPL18 BBS2 PGAM5 FBXO21 LOC101928008 CCDC154 CLSTN1 CHCHD3 LMAN2 R3HCC1L DFFA COQ6 ZNF337-AS1 PRPF4 RPS6KA2-IT1 MIR1227 RCCD1 WDR11 NT5C3A EZH1 MRPL32 EXOSC1 ERP29 CACNB4 NUDT9 STX17 SH3BP5L GMPPB BMPR2 MIR548K EAPP NME2 GCC1 FRMD8 SNORD113-7 SNORA70H MIR6804 CNIH2 CUL5 HACD3 FPGS ANAPC2 GAL3ST2 SLX4 DERPC AIFM2 PALB2 MIR12124 BCORL1 LOC101929577 BRAT1 CDK2AP1 TFDP1 LOC101928063 DHPS NODAL HCCS DENND1B MIR6753 LHX3 SNORA7B MIR23B NDST2 CIC CCDC18-AS1 METTL22 PIH1D2 SAMD14 PPME1 MIR4684 TNPO3 DCUN1D1 DAB2IP CYB5R1 KDM4C MIR600 TPGS2 RAB3D DCUN1D4 MIR548AQ SDC1 ATP6V1H MUL1 NUP58 MYCBP2 TDRD12 WIPI1 ENTPD4 MIR7109 CYP27A1 XPO1 RPS18P9 ZNF777 SLC7A9 FADS3 LOC642361 PAMR1 MED1 ABCB10 MIR133A1HG PCAT4 IDI1 ZDHHC5 SACM1L MIR6730 CAPRIN2 SNORD92 MIR4658 TMEM260 NAV1 LOC389906 TTF1 GET1 LINC02236 PLAGL2 HMGCL ZNF256 MSI2 MRTFA ACAA1 FAM32A ANK1 PRSS23 MMUT ATP4B SPATA20 PSMB5 MTRNR2L3 KIAA1191 USB1 GPN1 MON2 MIR2909 FAM185A RABEP1 CDK5R1 MIR4777 DBN1 ACAD10 TSEN34 SMIM14 LOC100506679 TNFRSF11A SEMA4G OXER1 SLFNL1 KMT2A PKN1 SPON2 FDX2 AFMID ACSF3 ARL3 MLLT10 SURF6 BPHL MTCL1 C2CD2 COX5B WDR97 EIF2AK4 RRP12 CYREN MRS2 NDUFB2-AS1

		DPP8 IL7R OTUD7B ANKRD12 RAB12 DDX51 AZIN2 ACVR2B ZNF517 SUFU DNASE1L2 PPP2R5D C9orf24 TIMM44 ROM1 UBA5 FBXO4 MLH3 DNAJB5 MIR3190 TMOD1 CD320 MRPL21 ANGEL2 TLR9 GPR137 MARK4 CTU1 AMOTL1 CLEC16A SMG1P1 SYNJ1 NIT2 SERPINB10 TCF7L2 ZNF431 CACYBP TCTN2 JAK1 TYW1B GALNT11 QSER1 ULK2 PIGO SLC35E3 CSRP2 ZMIZ1 DDX58 AKT1 ZNF462 CDC34 MTRF1 MCM6 MFSD13A USP22 PLEKHA4 LOC100130172 PTCD1 MIR10397 SUDS3 PHETA1 SLC25A12 POLR2C SNORD116-6 ANKRD27 HPX TCP11L2 CLEC4A PRR12 CPSF4 C11orf98 MAP2K1 HPS5 GTF3C6 UBR2 SREK1 PPIE VOPP1 LOC101927189 PIGW SAE1 BUD23 MIR7114 SAMD9 AKR1C3 RNF19A YKT6 UBE2V2 ASB7 MIR6866 DERL1 FBXL18 RABL2A ACTN1-AS1 KCTD21 LOC100506100 GTF3C1 CTSZ FICD SNORA12 NR1I2 VTI1B PRICKLE1 WNT5B LARS2 BRD3OS SLC25A38 DCTN2 PSEN1 URAHP ZNF324B CARMIL2 OLA1 CSRNP2 HSP90AB4P SSBP1 ZNF341 YTHDC1 EOGT SHKBP1 AGMAT NAGK STK38 QTRT2 ADD3-AS1 TOMM7 TREX1 VTA1 TRIM15 SNORD121A SNORD126 KIF3C MIR30C1 RPL26L1 TRHDE-AS1 NDC1 ECD TMF1 PNPO TDP2 P3H3 SCML4 LOC101928445 SELENBP1 TMED4 MROH1 TTC38 ATG14 TRAF3IP1 B3GAT3 ARHGAP27 PISD NSUN5P2 TRAP1 USP1 MRPL53 RNF44 EMSY PINK1-AS DPYSL3 TTC7B C1orf146 INSYN2A GPC1 MIGA2 SLC51A APP TOB1 PRKAR2A-AS1 TINCR NDUFB9 NADK2 WDR63 RNGTT CEP250 IFT52 GOLT1A PDHA1 PDF TESMIN LINC02168 ANKRD36B RNF38 AHDC1 ZNF205-AS1 GLTP HERPUD2 CSPG4 HSD17B2 FAM214A ATP5MF-PTCD1 LOC107984036 ADCY7 SNORD103B ATP13A1 DCAF5 DAZAP1 PRKRA MITF NEPRO DHX35 ZNF131 MIR7110 TRIM33 SP140L IZUMO4 TNRC18P1 FBXO42 ABALON MIR4505 PAPOLA LINC00665 NDUFAB1 ZNF852 MRPL45 COX6C MSMP NSMCE2 TTC37 GPR143 ZNF576 CASTOR2 MIR12131 ANP32E MIR6890 ZNF182 SPPL2B MIR1914 BLOC1S2 ARHGAP21 MIR6133 HOOK3 ITM2B GINS1 UTRN MIR6792 MIR576 CLTA SMC3 ZNF702P GAREM2 OGDH ASB13 GSS PWARSN RHOC EPHX3 ZNF32-AS3 UTS2B ALDH3A2 LINC02574 DDB2 SPTSSA MKNK1 DYSF BMT2 MTRNR2L4 MTRR C1orf174 PPIL4 YTHDF1 LMAN1L MIR7106 TRUB2 ZNF280C QDPR PPP2R3B ZNF598 BOP1 FRMD6-AS1 POLR1E TMEM98 ATP2C2-AS1 C1orf216 SLC38A10 EP400 BTN3A1 THAP12 NDUFA8 NOP9 SORT1 DPP9-AS1 5-Mar YWHAQ PPM1K ROPN1L-AS1 ENOSF1 TMEM120B LINC01804 IFT140 DENND1A TEX43 FAM76B QPRT NUP37 CDS1 RAB3A LINC02068 ZNF41 ADAM19 FLJ42627 ABRAXAS2 PNLDC1 WDR19 LDHB BAMBI RAB5B MRPS12 CRIPT MMP24OS DEPDC5 MAPRE1 NDUFA2 TRIP12 PLD6 KIAA0355 ABI2 ATAD3B TMEM14C FGFR3 TMEM33 ANKRD61 BBS1 PLD1 NDUFC1 NBR1 AKNA HPS4 HMGB3P1 MAFA CEL DHX15 PICALM CNOT6 MARK3 TCF4 MIR340 TLE2 ASAH2 TBC1D9B PNPLA6 MIR4326 LINC01704 AP3B1 MIR182 SYTL1 GGA1

		MIR5006 RARA-AS1 TAB1 C5orf47 PCDHGC5 PRRX1 ASTE1 ACSF2 IL1RL2 MED18 ECE1 SNN FAM189B YIPF6 PSMD6-AS2 GABBR1 SNORA49 TIAF1 LSM3 FMN1 ZFP41 SNORA70D SSRP1 SEPTIN7 ASXL2 SPCS3 MIR1244-1 TP53I13 MIR3909 A2M-AS1 ZFPM2 GC C14orf178 CSRP1 BOD1 USP12-AS1 COG4 C12orf65 NFRKB DDX39A LOC102724927 TM4SF20 LOC105379194 HAGH LOC101927839 FBLL1 BRCC3 FYN CNDP2 YPEL5 AGO2 NKX1-1 CFAP44 DSTYK DUSP14 SNX13 MIR614 CSPP1 UBALD1 MIR3657 BRSK1 SPAG9 MARVELD3 HASPIN RAD54B MED25 EIF2B2 WNT5A MIR6729 AURKAP1 MIR645 WBP11 CTNNB1 LOC100130357 GALNT2 TMEM185B DND1 STK3 FAM78A ANO10 SNORA101B VEZT CCNK IMPACT WNK4 SLC7A6OS USP35 DKK4 SGK2 PRKDC ZCCHC10 PDCD6IP MIR6756 USP18 ATXN2 RRAS IPO5 PIGBOS1 MIR6849 KCTD17 GIGYF2 CHMP3 DNA2 SIK2 GPRC5D-AS1 PTPN14 BMS1 NFATC3 FAM53A PLPP2 LRIG1 FASTKD2 PRSS27 KCNMB3 WDCP LOC101927572 POFUT2 PCBD2 MIR4469 TRUB1 PITPNM2 ZXDC TGFB1 SLC31A2 MIR1229 APEX1 CEP68 SCARF2 VPS53 WASHC2C UBE2L3 ATP6V1E1 MIR4685 C3orf70 ASB1 MCTP2 ASAP1-IT2 LOC101929372 PTPN9 LOC644285 UCK1 RUNDC1 FAM120AOS SDHAF1 PWWP2A LOC102724050 MIR6829 SMG1 ZNF710-AS1 C1orf220 RPL23AP64 PIP5K1C LOC100288254 TSPAN14 NAA40 PDK4 NNMT ZNF74 RHBDL1 SNX29 LRRC39 EFCAB14-AS1 HYAL2 TBC1D10A ERGIC3 TARBP1 LOC101927809 CWC25 NR2F2 CTTNBP2 ZBTB24 PRDM1 CCDC47 SMAP1 BIN1 ALS2 PPP1CA NME9 MIRLET7A1 MIR3616 PTDSS1 ECT2 MIR5585 DOCK6 GLCCI1 CCR4 COX6A1 B3GALT2 CCDC74A MIR12126 SNAP29 HDAC2-AS2 CCDC167 WDR45B CNTROB ZNF548 INSL6 INPP5F MYBL1 INPP5K COPB2 CTR9 MIR4730 UBR1 PTTG1IP ZNF767P COPS6 VAC14 SOGA1 PSMD9 KDM5B BPGM HMOX1 FAM207A PRR13 TRPM7 FEM1C SERPINB8 FCF1P2 TMED3 SMAD2 TMEM68 NXN PPIH FAM200A ZMYND19 EIF5B FAM53B-AS1 ASL TFAM RALGAPB TBC1D22A-AS1 PARP12 GTF2H1 FLCN NAMPT SSBP3 GDNF STK36 TEP1 LOC105371414 KIDINS220 CA4 THEM5 PLCB4 MPHOSPH10 G3BP2 PYGB TSC1 NARF OARD1 UTP18 DDX31 NHLRC2 ZNF430 TNRC6A GTF2A2 RCHY1 EID1 ZC3HC1 SCARNA9L ATG2A SPOP ICMT PTPRF POLL ZNF808 TYK2 MUC6 DNAJB7 GPAT4 MIR1249 RRP1 NUTM2A SNORD13E LBX2 MTMR4 SNX9 NECAP1 TTC39A POLR2F MCM7 TRIM52 PRPF31 MRPL55 CLCN1 RIOK2 LOC100506606 STX18 DCBLD1 METTL2A EML6 NAT2 TTC8 CLSTN3 FAM138B PSMG1 CENPS-CORT ZNF408 MIR3179-4 BOD1L1 BLCAP XIST ANKRD60 GNE ZNF501 ZNF213-AS1 COPG2 IARS PAPPA-AS1 CD163L1 TRPV4 SLC25A11 ESS2 OSBPL1A MED13 MIR4254 ESCO1 F2R RFC1 LOXL1-AS1 ARMH2 BMP1 SNRNP25 NFE2L1 MRPS31 INE2 MIR4256 ZCCHC17 SLC25A20 RSBN1 PPP1R9B FER RGL2 ARPC1B

		C2CD2L SNRK UTP6 LOC101927478 TMEM74B SOCS1 IL17RA ST5 LOC729683 BTN2A3P CLPX NPLOC4 RB1 C4orf51 ANKLE1 MPV17 LYSMD3 COL16A1 COA7 GLRX SAA1 TP53I11 FBXW7 MIR30E VASN GOLGA6L4 RBFOX2 LOC101929140 MICU2 PHF8 DNAJB2 RABEPK H2AFV OAZ3 PHTF1 NKPD1 MAN1B1 LRRC20 MIR580 ZNF106 OSBPL2 SNORD99 LHFPL5 PRMT9 GLI2 SCO2 C1QTNF12 NAV3 MAP1LC3A MNT PLEKHD1 ZNF560 OTUB1 ADGRF3 SNORA80A SNORA74C-2 TMEM115 PRPSAP2 GDE1 ZNF438 MX1 LOXL4 PAXBP1 SETD1A MIR6883 RELB NLRP1 FAM71F2 LAMB2 FNTA SUCO GTPBP6 ZNF512B SLFNL1-AS1 DYNC2LI1 ADAMTSL5 MIR671 MRPS15 KDM1B CNOT8 GORASP2 ADAM17 LINC00467 ZC3H4 RPL37A NDRG4 PIAS4 FAM118B CFLAR HAPLN3 WDR48 TOR4A ACACB FAM210B MIR6749 TRAK1 LINC01487 SNAR-E CUTC SNORD153 PREPL ABCB6 MRPS25 RABGAP1L HSBP1L1 MAPK8IP3 SCARNA7 ETFB CERT1 LINC02308 ERI3 PCTP CD164 HDGFL2 FDPSP2 HAX1 NSG1 RBAK-RBAKDN TPRKB HIST1H2BD COQ4 C5orf22 RNF8 LARP4 SIAE CWC15 ZMPSTE24 ZNF503-AS2 PSMB3 DEDD2 ASMT DNM1L CPT1C MTIF2 MPRIP TXN2 TOLLIP TEX29 TRAPPC3 IDE SCMH1 ELMO3 GPR68 ARMC5 TLCD5 ATP8B5P R3HDM1 MKRN1 ANXA7 HACD4 APC PGAM2 WFDC1 ZNF233 RRP7BP COMMD9 GNA12 ZASP LIMK1 MIR1277 MMP19 AKAP11 GLB1 MCMBP PKD1P4-NPIPA8 PROSER2-AS1 CNOT11 MOCS2 CCDC7 CYBRD1 ME1 MGRN1 TMEM88 TECPR1 MRPL30 C8orf33 RCC1L CKM MAP3K11 SCAF4 CLASRP MIR6795 SIVA1 MSANTD4 DIP2A-IT1 RALBP1 ATP5IF1 ZCWPW2 KAT7 GATC PIM2 SLC17A5 INSIG1 CPLANE2 SYNGR1 UPK3BL2 REEP2 TMEM256 REPIN1 PDE4A VPS45 PPM1D GINS2 LINC01039 VGLL4 SPC24 GNPTG BRWD1 ZFAT APC2 PPIP5K1 GOLPH3L UBOX5-AS1 SYAP1 ZBTB17 PVR LTA4H MIR6802 LOC105373031 IFIT3 GNRH2 PGK1 DERL3 RLF PLOD1 NAT14 KHNYN NPDC1 GPAA1 HMCES TEX264 LTV1 NBAS TBCB CNPY2 C11orf42 CD81-AS1 PANX1 RCBTB1 CYBA SOS1 KMT2E PTEN AFF1 RNF216-IT1 SETD2 ROGDI RPS14P3 UGGT1 GCSHP3 MIR6716 TMEM204 FAM151B SNORA9B ZBTB34 NDUFA6 HMG20B MIR6816 SNORD53 NOSIP TRIM23 ARL1 SSH2 CDK5RAP2 PRAM1 EIF3B AK3 FLVCR1 COX14 LYRM2 PHLPP2 EPN2-AS1 AMBP ZNF219 H1FOO SLC25A26 SMIM3 TCAF1 ARHGEF7 SLC23A2 SCARNA20 TBK1 PKD2 STX2 MIR6824 NR1H3 PAN3-AS1 MPPE1 SLC44A2 ZNF704 CLCN6 DISC2 SH3GL1P2 LOC339666 MAN2A2 GABPB2 PTPN11 ZACN C7orf26 MIR378J FTO-IT1 WDR54 PLK1 KIAA1958 DPRXP4 MIR6857 GTF2IRD1P1 ZDHHC16 RFTN1 LOC100133315 TAPBPL LOC100506071 GUSBP3 ZNF148 CNOT4 APEH GGA3 ZNF749 PCYT1A BRMS1 LOC728392 TAF1B CASP10 ALK DACT3 PCMT1 VAMP1 EVC2 SLC66A2 GON4L RIC1 AFG3L2 TMEM222 TGFBR3L MIR10394 GSTA4 LOC105376114 ADIG

		MIR320B2 LSM14A BTRC USP49 TRIM3 ABCA1 REST EDC3 BMS1P2-AGAP9 MRPL47 SNORA36B LINC00294 C2orf27A COPG1 C3AR1 TWF1 MACO1 SEC31B HSD17B4 BDKRB2 CIAO3 PCGF6 LOC400627 RNF215 PACRGL TAF2 KATNA1 EBLN3P DHX33 P4HA2-AS1 LINC01719 MROH8 FKBP14 SFSWAP REC8 APMAP CASP8 PRKD3 CFH WASH8P DHX30 ZNF707 ARGFXP2 LINC01946 MAU2 SNORD13I ERAP1 ITSN2 CCNG2 MIR6751 ODR4 PSPN WDR88 MIR219B MIR6859-1 CNN3 JAG1 MMAB PAPPA RHOA LINC01572 DCTN3 ANKS6 C15orf62 AKR1C2 C11orf58 SUN1 NUDT18 RPL13P5 EHD4-AS1 CTXN1 FBXW2 OGG1 HDAC9 ZDHHC24 ZNF410 ZW10 C12orf29 SCAND1 VILL MPND MPC1 LOC105373100 HECTD4 PPP3CC TAMM41 GOLGA1 ZBTB43 VAPA MEA1 C4orf36 PIK3R3 USPL1 CDPF1 BRF1 PFN2 SHANK2-AS3 COG2 MIR4266 TARS TRAPPC2L ZNF92 ARHGAP28 MTOR FAM222B NR2C2AP MIR6770-2 INGX C17orf75 RCOR2 FBXW4 DELE1 LEPROT TXNRD2 TNFRSF4 KSR1 C17orf107 SS18L2 RAB11B-AS1 POU5F2 VPS39 ZNF236 MORF4L2 MRRF TAF1A-AS1 MARVELD1 INF2 SUB1 ZNF281 TIMM23B-AGAP6 ANKRD46 MIR2467 PRORSD1P KCNE5 TIMM10B SYNRG MIR12121 USP30-AS1 GATAD1 LINC01729 SNRPD1 NUDT6 NEU3 NCAPG2 ITGAV MIR6798 TMEM191B RBBP4 ZRANB1 AVPI1 SGTB SLC38A8 C1orf122 GM2A C11orf95 CD2AP STARD3NL MIR6873 ISY1-RAB43 MIR6844 CTBP1 MYLK4 XRRA1 ADAL MIR548F3 TMEM9B DNAJA1 MAP6D1 CWC27 ARG1 ASCC2 BABAM1 CYB561D2 MYO5A MIR1224 MEGF8 LOC102724951 TBKBP1 CAMLG PNPLA1 SZRD1 HERC2P11 PDS5B LOC644135 DHTKD1 SEPTIN9 SH3GLB2 KDM8 NOC2L SCAI MFSD10 SUGP1 WDR49 SIN3A NSD3 SLC12A9 MC1R TXNL1 RNF168 ISG20L2 CCNYL1 ESD PRDX5 MED6 TXNDC5 LINC02150 SNORA68B CIR1 SNORA47 WRAP73 DQX1 SEPTIN2 DNAJC18 NELFB GID8 ANO7 MIR7112 LOC105375713 MIR544B EPC1 LOC101927557 COX19 SNORD116-28 THRSP ASMTL-AS1 C1QTNF9 GOPC ILF3 PNPLA8 SNX14 ATG101 SP2-AS1 RPS6KB2 TADA1 ADRM1 MCEE DCAF16 LOC284009 SLC35E2B ZFP82 CEP89 AIMP2 LOC100129148 MIR133A1 TMEM184B ADPRHL1 DIS3L2 ZNF292 SENP3-EIF4A1 ARNTL DROSHA PUS10 SNTB2 FUT10 LOC100505915 TMEM41B C16orf86 M6PR ZNF521 MIR6837 EIF2AK3 COL13A1 RPRD2 CHMP4B ALKBH4 CCDC93 ERVW-1 AGAP2-AS1 GMEB2 YEATS2-AS1 KDM3B PDCD2 CHAC1 RPF2 MTPAP ZNF192P1 C1orf109 LINC02626 ISYNA1 SZT2-AS1 TMEM14EP IDH3A LSM7 LRRC47 LAMP5 ACSS2 COPS7B BAG6 GZF1 MIR4312 RIN1 SPINDOC MLX NSUN2 TPTEP2-CSNK1E ASB16-AS1 RILPL2 KIFC3 LOC101928020 TAGLN PTPRK MIR8075 STK11IP TAX1BP1 LETM2 TMBIM4 SAP30L UHRF1BP1L ST3GAL2 GIT1 MOXD1 SMYD4 ODF2 SLC25A47 DENND5A NUP98 PTPRS TRABD CLDN15 ITGB1BP1 BRAP SOCS7 RRP8 RFC2 ZYG11B PPARA VCPKMT PIAS2 MIR621 TRAPPC12 TBC1D13 PSMG3 EIF1B TG

		GRASP ACAD9 MIR4467 TFB2M LIME1 MAP2K5 SNORD135 ZNF229 NPEPPS DDRGK1 MIR3654 DNMT1 EPB41L2 ARF4-AS1 BRIP1 WIPF2 PPM1B MMP21 AAMP ATRAID CFAP126 DGUOK-AS1 SNORD116-26 NAT9 ZC3H12D DMBT1 SLC35D3 MXI1 EIF4A1 MIR3179-2 SPTLC2 ZDHHC9 IL3RA ANKRD13C KMT5B SYMPK CLINT1 MRPL39 TEX22 LOC100128361 ATP5MGL HPCAL1 HOMER1 PLA2G15 ITPA CNTRL SAP18 FNDC5 SERPINB6 ALDH8A1 TSHZ3 MIR4700 RALA H6PD CAD DOCK10 XPA IGDCC4 ZBTB9 MGME1 IRF5 R3HCC1 GNMT RPAIN TMEM245 ARL14EP RPA1 ACTR1B PPP4R1L RAB29 FNDC3A ESF1 LAMTOR1 MRPL2 RDH12 CELP SNORA118 METRNL IAH1 ZNF346 SLC30A10 VPS18 GEMIN7 UBA52 RIPK1 CSAD ANKRD50 MIR6808 EIF2A LHX6 CRBN ATPAF1 NCBP1 PLA2G4F C20orf144 FGFR1OP2 SLC9A1 SUGT1P4-STRA6LP NEXN TTI2 PAFAH1B2 LOC101929162 UBAP2L TVP23C-CDRT4 MIR6862-2 TMEM138 TMEM131 SH2B3 SCRN3 WDFY3-AS2 KIF1C TOGARAM1 MIR499B ELF2 AP3D1 PTCHD4 NIPAL3 LOC100505715 DDX54 MMP17 ZNF84-DT JPT2 MIR1284 PTPRA HYKK BOK-AS1 RIPOR3 GOLIM4 HSF1 UBXN1 HIF1AN TMEM249 NCKIPSD POLR2H VLDLR-AS1 LMLN-AS1 NFKBIB COX7A1 1-Mar NEDD8 MIR548BC POLR3H COL4A2-AS1 BRD7P3 MIR4665 THUMPD2 CALM3 C6orf136 XKR8 MPDZ GBF1 MIR6505 EIF2AK1 SNORA2C TXNDC11 SPATA5 NVL LINC02332 LTO1 NUP54 ANKRD40CL PLPPR2 VCAM1 CUL9 PTAFR SMTNL1 PLEKHH3 PDCD11 DTX2P1-UPK3BP1-PMS2P11 TM7SF3 CYTH3 PLEKHA8 MLEC KLC1 TBC1D10B MIR6800 NCBP2-AS1 C21orf59-TCP10L ATP6V1FNB ZNF337 SNAP47 LINC00367 GXYLT1 FERMT1 DLD KIAA2013 PPFIA1 AMY2B CUL2 DENND4C PKM GCG MRPL45P2 LOC651337 IARS2 RGS10 LOC388242 CHERP PRR35 MIR3160-2 SYT17 NOP14-AS1 SGSM2 MLNR POFUT1 KLHL17 TMEM179B TJP2 LINC00265 LOC105370802 PAPLN ARF3 EFCAB13 MIR4640 TM2D1 SLC5A2 ELP1 SELENOO SNORA11F TTC21B-AS1 MRPL16 RHBDD3 LCMT1-AS2 LPCAT3 ABLIM3 C2orf42 LINC01433 CALHM6 LTC4S EEF1AKMT2 PSMC3 SMARCA2 CABLES1 TUBGCP6 SPATA33 BRF2 BLOC1S6 STAC3 TM4SF19-TCTEX1D2 CLUAP1 HRAT5 FANCE GMPS SPAG7 NPS TACO1 SYNPO SNRNP40 UBE3C PDSS2 MIR1285-1 DCTN5 HKDC1 PSME3 PHF10 MIR1307 NME3 CHN1 MIR1205 LARP4B EMILIN3 GATAD2B RTF2 UAP1 MIR4722 ATIC ADAM15 ATOH7 PRSS53 SCAF11 DLEU1 ZMYM6 KBTBD11-OT1 C20orf204 PXK FLNA MIR6744 LRPAP1 G6PC3 RAB5IF LRRC14 METTL21C GORASP1 FCHO2 NDUFS7 FBXW4P1 ABCB8 SCARNA5 LOC102724034 SRF C2orf74 SIN3B TRIM8 SEMA3C LOC606724 MIR7108 FBXO10 PDGFC CLIP1-AS1 PEPD PHF21A CNST ERCC2 SMIM18 TRMU CCDC9 LINC00940 HCLS1 MIR1972-1 CSF2 SLC2A11 GRIP2 RAB8A PCIF1 PIK3IP1 SLC39A6 SNRPD2 LINC01806 AQP7

Unique to 'BM vs BLEO down'	473	MMP2 BRIX1 TMSB10 CCNI SMYD3 EIF1 RASA4B TAF12 MIR7705 FUS BTF3 MIR637 SNORD14D LINC00475 OSER1 PAWR NCF1 ZNF614 GRPEL2 HSCB MIR4750 LINC00641 WSB1 SNORA63B ZNF3 GRID1 ANXA2 C4B SNORD72 HNRNPH1 PPP1R15A LINC01554 AXL SPDYE18 WASH7P MFGE8 EPC2 SNX18 LOC100506282 ERFE LGALS3 TAGLN3 SSB SLC3A2 MIR22 FRG1JP RPL35A PTRH2 SNORA33 TPM1-AS CAV2 RPL31 KDELR2 AGBL2 EIF3CL HLA-C SNORD79 SNORA73B FBXO39 THUMPD3-AS1 LBH RPS16 ZBTB46 RBAK LINC01054 SMAD6 MAP4 SNORD83A MEX3B SFPQ INTU IDI2-AS1 SNORD156 SNORA40 MIR181B1 SLC12A2 KLF6 COL6A2 HLA-A LDHA ZSCAN29 CAP1 TMED2 RPL6 NUP50 RPL36AL DUSP6 ZNF460 MIR6859-4 SLC25A6 RPL18 CDKN2AIP SNORD68 NR2F1-AS1 LRRC59 DRAP1 SNORD10 OGA SNORA65 LINC01578 LINC01426 INHBA-AS1 TRPS1 RNU1-3 CDKL1 GARS ACTN4 COX7A2L UBB KPNA2 TRA2B MYL12A HNRNPR LOC646652 PHLDA1 PHF1 FN1 ZFP36 ITGB1 TUBA1A MST1P2 MIR6743 CNOT7 DMTF1 XPOT CWH43 RPS24 RPL24 ARID2 TNRC6B LOC100506142 RPLP0 HNRNPA2B1 SDHAF2 TSC22D2 LINC02283 RPL34 STAR TUBA1C SNORA64 RNPS1 ANKRD13A CCN1 SNORA31 BRD2 TPM2 MIR6779 ADM MARK2P9 NAT1 ACTG1 SRRM2 LOC101928461 HNRNPA1 MIR29A PHF23 SMNDC1 LINC01184 JPT1 DNAJB1 SULT1A4 SNORD59B YWHAE SLC2A3 KIF5B SMLR1 LPGAT1-AS1 FLNC LRRC66 CDC37L1 CCN2 WARS LPCAT2 MIR6515 AP5M1 TTC32 MIDN LINC01767 PGM5P2 ATP5F1A CSNK1D MIR6759 ALDOA PSMC1 CCNO NIP7 SERPINH1 PNRC2 GPR37 TPM4 UGDH ADAMTS1 SNORD173 ZNF302 CALU RHOB MIR4482 SIX4 SNORD36C MIR10393 TTLL3 WTAP SNORA28 ILKAP HNRNPA3 PDZK1 MIR5047 HSD17B8 YBX3 MIR6797 BCL3 SNORD12 ZNF385A TGFBI ZBTB49 CLDN18 SNORD63 LINC01004 CD44 RPL19 SNORD37 SMG1P6 TUBB SNORA19 SNX19 ZNF655 AHNAK HP09053 AHR RBBP6 MAGOHB SOX9 SNORD35B SNORD11 SET CLMAT3 AGER MICA KCNV2 SNORD114-10 MIR6895 ERH MYC GASAL1 SRSF3 SNORD96A GRAMD2A SEC61A1 MIR3129 ASH1L-AS1 MIR3605 ZNF544 PDE5A CMAS RPL9 DDX11L2 NABP1 DDX17 SNORD82 CBX3 FRG1FP TMEM50A CFDP1 HMGCS1 DCN SUCLG2 ACTN1 SNORA71B COL1A2 LOC101929130 HMGB1 SEC24D NUFIP2 MTA2 RNU6-1 IRF1 ZSCAN5A PDLIM7 MXRA8 CSTF3 A3GALT2 CCT2 RNF145 SNRPF SNORD111 RUNX1 SEPTIN7P2 SNORD69 EIF2S3 RIF1 UQCRB SNORD14B SNORA53 SLC38A2 IL34 MIR4804 NDFIP2-AS1 SLC4A7 MTNR1A PSME1 SLC7A2 OPN1SW ZNF155 SNX29P2 KLF7 TAF13 MIR6819 LIX1L-AS1 HNRNPDL NECTIN3 PLAG1 MIR6747 SNORA66 SNORD97 PCBP2-OT1 PIP4P2 TM2D2 IL6ST SETDB2 MIR6501 RELA MIR1244-4 GDI2 XBP1 ADAMTSL4-AS1 ACTB MAP3K20-AS1 BSCL2 C19orf24 HIPK2 ABCA7 ZC3H10 COL6A3 SLFN5 SPDYE2 GP5 STC2 LPAR1 SNORA22B

		SERBP1 JUN PNN POLR3D MLLT10P1 SNORD33 UBC ATP5MC3 BTN2A1 ZSCAN9 ARF6 RPL35 SNORA21B RPLP1 MIR4647 TMEM99 TRAM1 SNORD66 GPD1 NPM1 CCT8 TAF10 H3F3B ARPC3 AHCYL1 CDH24 GPATCH11 NET1 SURF4 RPL17 PRKACB MIR4426 ELL3 NUFIP1 SAMD5 MIR6875 RPH3A NAP1L1 DUSP12 EXT1 TMCO1-AS1 MYL12B PRAG1 ROMO1 ZNF691 MAML1 NAAA CFL1 NOP53 GBP1 SULT1A3 TRA2A DDX10 RDH14 SEC62 SBDS SNORD117 GTF2I TUBB4B MRPL42 ECT2L ZNF207 MIR4668 LINC01001 SNORD42A RPS9 MIR198 HGF RNF25 PLAU ANXA1 SQSTM1 SEPTIN11 HLA-E SWAP70 ATP13A3 SNORD1A RPS4X SLC1A5 SNORD30 VTRNA2-1 TUBA1B MIR2355 LIMA1 LOC100505502 BMS1P4-AGAP5 BZW1 MIR3606 MIR6728 SNORA27 SNORD73A MIR12128 HNRNPUL1 LOC100287467 PPIA S100A6 ABHD17C S100A11 LAMC1 RAN PHLDB1 PHF5A SERTAD3 ARHGAP9 LAMB1 JMJD6 SNORD119 SMARCD2 ZNF23 ARRDC3 SNORD38D TRABD2A SRSF1 MICAL2 WASIR1 ZNF584 GTDC1 SNORD18C ST6GALNAC6 STAT2 EWSR1 RPS7 CNP WASH3P ZNF330 KLF10 DCP1B RPS14 SNAI2 ZNF562 MAT2A USP3 RPS27 CTSC

Supplementary Information

Supplementary Table 6. Genome-wide profiling of differential peaks between proliferating and senescent cells (ChIP-seq for H3K9me3).

geneID	baseMea	log2Fold	lfcSE	stat	pvalue	padj	Chr	Start	End	Stra	Peak	Focus	Annotati	Detailed	Distance	Nearest P	Entrez ID	Nearest U	Nearest P	Nearest E	Gene Nam	Gene Alia	Gene Des	Gene Type
chr13-182	227.8114	-2.42336	0.203217	-11.925	8.77E-33	3.00E-29	chr13	18211746	18212407	+	0	NA	intron (N	HSATI|Sat	16779	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-792	1231.017	-1.52941	0.143729	-10.6409	1.92E-26	3.29E-23	chr21	7926271	7926544	+	0	NA	Intergeni	(ATTCCATT	-96775	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr16-345	503.1495	-1.61484	0.15471	-10.4378	1.67E-25	1.90E-22	chr16	34592589	34596135	+	0	NA	Intergeni	(ATGATTCC	-212882	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr3-9347	22612.98	-1.24721	0.125957	-9.90185	4.09E-23	3.50E-20	chr3	93470428	93470734	+	0	NA	Intergeni	SAR|Satel	503500	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr16-463	2232.028	-1.22852	0.128709	-9.54497	1.36E-21	9.33E-19	chr16	46394225	46395185	+	0	NA	Intergeni	Intergeni	174392	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr4-7390	101.9806	-1.23316	0.275132	-9.18423	1.64E-21	3.73E-18	chr4	73906089	73906784	+	0	NA	Intergeni	L1PA3|LIN	37043	NM_001511	2919	Hs.789	NM_001511	ENSG00000	CXCL1	FSP|GRO1|	C-X-C mot	protein-coding
chr16-345	1126.969	-1.26028	0.134457	-9.37314	7.04E-21	4.02E-18	chr16	34581388	34583833	+	0	NA	Intergeni	Intergeni	-201130	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr16-463	1488.808	-1.21876	0.13058	-9.33342	1.03E-20	5.02E-18	chr16	46385254	46391433	+	0	NA	Intergeni	Intergeni	180754	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr1-1431	597.6095	-1.34679	0.148916	-9.04399	1.51E-19	6.47E-17	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	228599	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr16-345	1040.462	-1.20918	0.134867	-8.96572	3.08E-19	1.17E-16	chr16	34576184	34576656	+	0	NA	Intergeni	(AATGGACT	-194940	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr4-74597144-7459		-1.27643	0.269065	-6.99583	3.27E-17	4.49E-15	chr4	74597145	74598143	+	0	NA	Intergeni	THE1B-int	152508	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr16-463	1910.513	-1.32509	0.157651	-8.40519	4.27E-17	1.46E-14	chr16	46398315	46401608	+	0	NA	Intergeni	Intergeni	169136	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr1-1432	673.684	-1.21507	0.144887	-8.38637	5.01E-17	1.56E-14	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	220709	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr22-187	102.7861	-2.35172	0.285252	-8.24436	1.66E-16	4.74E-14	chr22	18730441	18730694	+	0	NA	Intergeni	AluSc8|SI	-3347	NR_136561	642643		NR_136561	ENSG00000	FAM230E	LINC01662	family wi	ncRNA
chr4-4970	1159.323	-1.15338	0.142329	-8.10364	5.33E-16	1.41E-13	chr4	49709331	49711815	+	0	NA	Intergeni	SAR|Satel	723931	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr10-133	502.6286	-1.22932	0.152712	-8.0499	8.29E-16	2.03E-13	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	BSR/Beta|	-61888	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr22-188	76.47112	-2.50137	0.314582	-7.95142	1.84E-15	4.21E-13	chr22	18896187	18896559	+	0	NA	Intergeni	AluSc8|SI	-1942	NR_136571	1.01E+08	Hs.631668	NR_136571		FAM230F	LINC01663	family wi	ncRNA
chr4-7461	97.86165	-1.65222	0.282437	-6.18557	7.86E-15	7.29E-13	chr4	74616713	74616924	+	0	NA	Intergeni	AluYg6|SI	171682	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr1-1432	1022.495	-1.04798	0.138802	-7.55019	4.35E-14	9.31E-12	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	205027	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr1-1251	3170.92	-0.97622	0.130246	-7.4952	6.62E-14	1.33E-11	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3662018	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4959	313.0752	-1.30045	0.174025	-7.47277	7.85E-14	1.49E-11	chr5	49599496	49603043	+	0	NA	Intergeni	(TGGAA)n|	840019	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1432	807.1749	-1.10926	0.14857	-7.46625	8.25E-14	1.49E-11	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	190845	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr16-345	421.4881	-1.1773	0.158978	-7.40547	1.31E-13	2.24E-11	chr16	34571575	34574186	+	0	NA	Intergeni	(GAATG)n|	-191400	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr1-1432	710.6941	-1.05878	0.143971	-7.35417	1.92E-13	3.13E-11	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	172643	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr18-106	672.0041	-1.05243	0.147814	-7.11999	1.08E-12	1.68E-10	chr18	106762	111007	+	0	NA	promoter-	promoter-	-181	NR_033770	727758	Hs.585843	NR_033770	ENSG00000	ROCK1P1	ROCK1P	Rho assoc	pseudo
chr22-126	256.5703	-1.29617	0.182934	-7.08544	1.39E-12	2.06E-10	chr22	12691987	12692697	+	0	NA	Intergeni	BSR/Beta|	794936	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1432	677.3255	-1.01271	0.143639	-7.05036	1.78E-12	2.55E-10	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	168326	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr4-7449	35.38616	-2.42017	0.414143	-6.97563	1.90E-12	4.55E-10	chr4	74498802	74499010	+	0	NA	Intergeni	L1M2|LINE	53770	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr21-842	103.687	-1.79766	0.258068	-6.96584	3.26E-12	4.47E-10	chr21	8420098	8421999	+	0	NA	Intergeni	Intergeni	-11482	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr1-1432	620.0777	-1.01644	0.147537	-6.88943	5.60E-12	7.38E-10	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	175343	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr4-1901	504.1323	-1.04921	0.152573	-6.87679	6.12E-12	7.52E-10	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	BSR/Beta|	4904	NR_137167	1E+08	Hs.728749	NM_001205	ENSG00000	DUX4	DUX4L	double ho	protein-coding
chr19-745	93.07395	-1.84056	0.267669	-6.87626	6.14E-12	7.52E-10	chr19	7450655	7451110	+	0	NA	intron (N	intron (N	11194	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr14-495	71.36606	-9.8408	1.464575	-6.71922	1.83E-11	2.16E-09	chr14	49586559	49586837	+	0	NA	promoter-	promoter-	118	NR_002715	6029		NR_002715	ENSG00000	RN7SL1	7L1a|7SL|	RNA compo	scRNA
chr16-345	474.8951	-1.0646	0.160309	-6.64092	3.12E-11	3.56E-09	chr16	34584692	34588632	+	0	NA	Intergeni	Intergeni	-205182	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chrY-1130	178.6599	-1.34674	0.204912	-6.57227	4.96E-11	5.48E-09	chrY	11308792	11309745	+	0	NA	Intergeni	BSR/Beta|	1112322	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr21-841	86.847	-1.77608	0.274038	-6.48114	9.10E-11	9.75E-09	chr21	8417703	8418926	+	0	NA	Intergeni	Intergeni	-14216	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr7-1581	29.59405	-3.86084	0.597263	-6.46423	1.02E-10	1.06E-08	chr7	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	293551	NR_038966	1.01E+08	Hs.661265	NR_038966		LOC100506	-	uncharact	ncRNA
chr10-388	123.6202	-1.4721	0.234121	-6.28778	3.22E-10	3.25E-08	chr10	38814069	38814273	+	0	NA	Intergeni	(TTCCA)n|	117575	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr4-1901	294.6036	-1.11477	0.179157	-6.22232	4.90E-10	4.80E-08	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	BSR/Beta|	7358	NR_137167	1E+08	Hs.728749	NM_001205	ENSG00000	DUX4	DUX4L	double ho	protein-coding
chr1-1432	412.6005	-1.11277	0.179445	-6.20119	5.60E-10	5.33E-08	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	183664	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-838	95.94166	-1.61222	0.262226	-6.14822	7.84E-10	7.26E-08	chr21	8388083	8391544	+	0	NA	non-codin	non-codin	778	NR_146151	1.1E+08		NR_146151		RNA45SN3	-	RNA, 45S	rRNA
chr1-1431	219.2181	-1.21601	0.199889	-6.08342	1.18E-09	1.06E-07	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	236316	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-844	98.19257	-1.55883	0.2576	-6.05136	1.44E-09	1.26E-07	chr21	8448280	8460603	+	0	NA	Intergeni	AluSz|SIN	13295	NR_003287	1E+08		NR_003287		RNA28SN5	RN28S1|RN	RNA, 28S	rRNA
chr4-5110	471.6457	-1.02586	0.170358	-6.02182	1.72E-09	1.48E-07	chr4	51107265	51107490	+	0	NA	Intergeni	SAR|Satel	-735623	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr10-420	121.0207	-1.40586	0.235432	-5.97139	2.35E-09	1.97E-07	chr10	42068593	42084173	+	0	NA	Intergeni	Intergeni	291662	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-823	115.7155	-1.42451	0.240589	-5.9209	3.20E-09	2.61E-07	chr21	8238110	8248267	+	0	NA	intron (N	intron (N	-6317	NR_128717	1.04E+08		NR_128717	ENSG00000	MIR6724-4	hsa-mir-6	microRNA	ncRNA
chr21-839	88.77011	-1.58749	0.268391	-5.91483	3.32E-09	2.65E-07	chr21	8398309	8412079	+	0	NA	intron (N	intron (N	8268	NR_146154	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr2-1128	94.12634	-1.40561	0.246434	-5.9108	3.35E-09	2.67E-07	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	L1PA7|LIN	-21552	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr10-420	140.7702	-1.30421	0.22092	-5.90356	3.56E-09	2.77E-07	chr10	42066312	42067735	+	0	NA	Intergeni	Intergeni	301022	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-133	124.4946	-1.35364	0.232527	-5.82145	5.83E-09	4.44E-07	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	BSR/Beta|	-136486	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr22-187	37.29261	-2.46016	0.426147	-5.77304	7.79E-09	5.80E-07	chr22	18733675	18733903	+	0	NA	promoter-	promoter-	-125	NR_136561	642643		NR_136561	ENSG00000	FAM230E	LINC01662	family wi	ncRNA
chr22-121	153.5852	-1.24862	0.21841	-5.71687	1.09E-08	7.91E-07	chr22	12173889	12178836	+	0	NA	Intergeni	ACRO1|Sat	278956	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-842	119.471	-1.34608	0.236726	-5.68621	1.30E-08	9.27E-07	chr21	8422839	8431171	+	0	NA	Intergeni	AluSp|SIN	-5525	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr21-843	119.2122	-1.33526	0.23605	-5.6567	1.54E-08	1.08E-06	chr21	8432344	8447069	+	0	NA	promoter-	promoter-	-116	NR_003285	1E+08	Hs.426704	NR_003285		RNA5-8SN5	RN5-8S1|R	RNA, 5.8S	rRNA
chr1-1432	516.3703	-0.91039	0.161618	-5.63297	1.77E-08	1.21E-06	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	(ATCGAATG	157763	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-824	97.99832	-1.43247	0.258551	-5.54037	3.02E-08	2.03E-06	chr21	8249575	8252023	+	0	NA	intron (N	CpG	1294	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr5-4965	215.639	-1.07936	0.195244	-5.52829	3.23E-08	2.09E-06	chr5	49656704	49661839	+	0	NA	Intergeni	(TCCAT)n|	782017	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-1128	25.97165	-2.54243	0.463932	-5.52813	3.23E-08	2.09E-06	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	MER4-int|	-23448	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr21-846	98.32667	-1.42013	0.256894	-5.52808	3.24E-08	2.09E-06	chr21	8465448	8471817	+	0	NA	Intergeni	Intergeni	27486	NR_003287	1E+08		NR_003287		RNA28SN5	RN28S1|RN	RNA, 28S	rRNA
chr5-4966	135.2228	-1.2302	0.223968	-5.49276	3.96E-08	2.51E-06	chr5	49666170	49667379	+	0	NA	Intergeni	(CATTC)n|	774514	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1431	220.1108	-1.03374	0.188583	-5.48163	4.21E-08	2.63E-06	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	231803	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-102	27.45097	-2.82337	0.51589	-5.47281	4.43E-08	2.71E-06	chr21	10273952	10274223	+	0	NA	Intergeni	HSATI|Sat	-139433	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr21-823	87.7264	-1.45736	0.267595	-5.44612	5.15E-08	3.09E-06	chr21	8234558	8236727	+	0	NA	intron (N	AluSx1|SI	-13863	NR_128717	1.04E+08		NR_128717	ENSG00000	MIR6724-4	hsa-mir-6	microRNA	ncRNA
chr16-345	152.0478	-1.16626	0.214606	-5.4344	5.50E-08	3.25E-06	chr16	34590120	34591663	+	0	NA	Intergeni	Intergeni	-209411	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr21-820	98.42134	-1.38572	0.255329	-5.42718	5.73E-08	3.32E-06	chr21	8205054	8232796	+	0	NA	TTS (NR_1	TTS (NR_1	5037	NR_003287	1E+08		NR_003287		RNA28SN5	RN28S1|RN	RNA, 28S	rRNA
chr4-4911	101.6018	-1.31461	0.250024	-5.25791	1.46E-07	8.32E-06	chr4	49118569	49121285	+	0	NA	Intergeni	(TCCAT)n|	133285	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1432	187.7534	-1.0423	0.199083	-5.23551	1.65E-07	9.24E-06	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	215920	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr9-2190	43.86124	-1.60185	0.341473	-5.22623	1.69E-07	9.25E-06	chr9	21909587	21909786	+	0	NA	Intergeni	Intergeni	-57453	NR_024274	51198	Hs.721053	NM_016349		CDKN2A-DT	C9orf53|C	CDKN2A di	ncRNA
chr8-1441	27.25617	-2.61241	0.503942	-5.18395	2.17E-07	1.17E-05	chr8	1.44E+08	1.44E+08	+	0	NA	Intergeni	CpG	-11921	NM_016458	51236	Hs.300224	NM_016458	ENSG00000	HGH1	BRP16|BRF	HGH1 homo	protein-coding
chrY-1133	87.12581	-1.39315	0.268755	-5.18373	2.17E-07	1.17E-05	chrY	11333330	11334415	+	0	NA	Intergeni	LSAU|Sate	1087718	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr21-841	91.54701	-1.35393	0.261232	-5.18286	2.19E-07	1.17E-05	chr21	8413187	8415848	+	0	NA	Intergeni	Intergeni	17591	NR_146154	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr1-1432	167.5162	-1.07147	0.207065	-5.17456	2.28E-07	1.20E-05	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	194845	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr2-9039	94.66294	-1.32361	0.257958	-5.13112	2.88E-07	1.50E-05	chr2	90392071	90399211	+	0	NA	Intergeni	Intergeni	-757734	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr16-463	171.3586	-1.06421	0.208004	-5.1163	3.12E-07	1.59E-05	chr16	46382887	46383556	+	0	NA	Intergeni	(GAATGGAA	185876	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr3-7566	135.003	-1.16516	0.229142	-5.08489	3.68E-07	1.84E-05	chr3	75668915	75670020	+	0	NA	Intergeni	CpG	-2814	NR_040005	401074	Hs.528540	NR_040004	ENSG00000	LINC00960	-	long inte	ncRNA
chr21-120	177.6975	-1.04058	0.204693	-5.08361	3.70E-07	1.84E-05	chr21	12034953	12035320	+	0	NA	Intergeni	ALR/Alpha	-1003030	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr13-171	170.5281	-1.04655	0.207174	-5.05156	4.38E-07	2.14E-05	chr13	17170382	17170773	+	0	NA	Intergeni	ALR/Alpha	-1024720	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr9-2191	54.75654	-1.40195	0.309309	-5.04265	4.41E-07	2.14E-05	chr9	21913120	21913415	+	0	NA	Intergeni	L1PA5|LIN	-53872	NR_024274	51198	Hs.721053	NM_016349		CDKN2A-DT	C9orf53|C	CDKN2A di	ncRNA
chr5-1321	47.46463	-1.82482	0.391474	-5.04136	4.47E-07	2.15E-05	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	Tigger2|D	39600	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr21-846	84.97777	-1.35979	0.269782	-5.04032	4.65E-07	2.24E-05	chr21	8462246	8464614	+	0	NA	Intergeni	CpG	22284	NR_003287	1E+08		NR_003287		RNA28SN5	RN28S1|RN	RNA, 28S	rRNA
chr5-1321	59.05284	-1.48019	0.34833	-4.99322	6.08E-07	2.26E-05	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	L1PA8|LIN	50795	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr4-4910	82.22469	-1.36546	0.273908	-4.98511	6.19E-07	2.55E-05	chr4	49101413	49110897	+	0	NA	Intergeni	(CATTC)n|	119513	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr10-420	86.69386	-1.32501	0.267757	-4.94857	7.48E-07	3.51E-05	chr10	42085732	42086742	+	0	NA	Intergeni	Intergeni	281808	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-463	135.8473	-1.08686	0.222166	-4.89211	9.98E-07	4.62E-05	chr16	46380733	46381539	+	0	NA	Intergeni	Intergeni	187961	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr4-4914	73.25866	-1.36666	0.286178	-4.77554	1.79E-06	8.19E-05	chr4	49149160	49151249	+	0	NA	Intergeni	(TCCAT)n|	163562	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1251	186.7914	-0.94725	0.200095	-4.73398	2.20E-06	9.92E-05	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3655005	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-283	303.4245	-0.80479	0.171089	-4.70394	2.55E-06	0.000114	chr20	28307990	28308369	+	0	NA	Intergeni	ALR/Alpha	294486	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-1213	57.17285	-1.41096	0.318309	-4.43267	3.31E-06	0.000114	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	28489	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr22-117	45.06469	-1.67486	0.360473	-4.64629	3.38E-06	0.000148	chr22	11701529	11703422	+	0	NA	Intergeni	ACRO1|Sat	-194931	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr4-4931	57.57808	-1.48295	0.319846	-4.63644	3.54E-06	0.000154	chr4	49316755	49318032	+	0	NA	Intergeni	ACRO1|Sat	330751	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-311	59.2424	-1.43103	0.315191	-4.5402	5.62E-06	0.00024	chr20	31184962	31185261	+	0	NA	Intergeni	(GGAAT)n|	-72553	NM_001037	245929	Hs.580793	NM_001037	ENSG00000	DEFB115	DEFB-15	defensin	protein-coding
chr22-141	179.4145	-0.91233	0.201043	-4.53796	5.68E-06	0.00024	chr22	14173509	14173846	+	0	NA	Intergeni	ALR/Alpha	-1354482	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr4-1900	59.51012	-1.41254	0.313207	-4.50992	6.49E-06	0.000271	chr4	1.9E+08	1.9E+08	+	0	NA	Intergeni	CpG	5079	NM_001005	448831	Hs.626907	NM_001005	ENSG00000	FRG2	FRG2A	FSHD regi	protein-coding
chr22-118	44.14852	-1.63208	0.364622	-4.47609	7.60E-06	0.000314	chr22	11820033	11821219	+	0	NA	Intergeni	ACRO1|Sat	-76780	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chrY-1133	93.15387	-1.1717	0.262982	-4.45543	8.37E-06	0.000341	chrY	11332071	11332314	+	0	NA	Intergeni	Intergeni	1089398	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chrY-1131	139.1397	-0.9813	0.221207	-4.43613	9.16E-06	0.000369	chrY	11310633	11314954	+	0	NA	Intergeni	BSR/Beta|	1108797	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr4-4909	57.17285	-1.41096	0.318309	-4.43267	9.31E-06	0.000371	chr4	49091435	49094021	+	0	NA	Intergeni	(CATTC)n|	106086	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr7-1212	19.51313	-2.58406	0.589937	-4.42309	1.02E-05	0.000386	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-123590	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr1-1432	153.0434	-0.94228	0.21367	-4.40999	1.03E-05	0.000404	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	176896	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr22-118	80.39781	-1.2073	0.273852	-4.40858	1.04E-05	0.000405	chr22	11813239	11817979	+	0	NA	Intergeni	ACRO1|Sat	-81797	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chrY-1130	146.9084	-0.94561	0.21555	-4.38696	1.15E-05	0.000438	chrY	11304630	11306554	+	0	NA	Intergeni	BSR/Beta|	1115998	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr4-4909	56.84556	-1.40347	0.31999	-4.38599	1.15E-05	0.000438	chr4	49094824	49100384	+	0	NA	Intergeni	(CATTC)n|	110962	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chrY-1132	89.52699	-1.14924	0.262113	-4.38451	1.16E-05	0.000438	chrY	11322555	11328766	+	0	NA	Intergeni	BSR/Beta|	1095930	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr21-102	19.41333	-2.48407	0.579971	-4.28309	1.84E-05	0.000686	chr21	10270244	10270493	+	0	NA	Intergeni	AluSc8|SI	-143152	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr3-9189	61.17499	-1.33225	0.313398	-4.251	2.13E-05	0.000784	chr3	91891200	91891512	+	0	NA	Intergeni	ACRO1|Sat	2082725	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr2-8981	69.40347	-1.24552	0.293502	-4.24365	2.20E-05	0.000802	chr2	89814309	89814515	+	0	NA	Intergeni	(ATTCC)n|	-176505	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr21-880	47.06127	-1.47645	0.348384	-4.238	2.26E-05	0.000813	chr21	8809780	8812037	+	0	NA	Intergeni	ACRO1|Sat	-176091	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr6-3667	43.91051	-1.49135	0.362013	-4.22197	2.27E-05	0.000822	chr6	36678787	36686308	+	0	NA	intron (N	intron (N	3833	NM_000389	1026	Hs.370771	NM_000389	ENSG00000	CDKN1A	CAP20|CDK	cyclin de	protein-coding
chr10-418	46.26141	-1.4756	0.350957	-4.20449	2.62E-05	0.000934	chr10	41878960	41879570	+	0	NA	Intergeni	(ATGGA)n|	488780	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-334	33.72353	-1.73359	0.412983	-4.19772	2.70E-05	0.000952	chr16	33491413	33491973	+	0	NA	Intergeni	Intergeni	4542	NR_033866	390705	Hs.278513	NR_033866		LOC390705	-	protein p	pseudo
chr21-880	97.44156	-1.05443	0.251421	-4.19387	2.74E-05	0.000959	chr21	8807011	8808145	+	0	NA	Intergeni	Intergeni	-179421	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chrY-1132	113.5596	-0.97761	0.236231	-4.13836	3.50E-05	0.001211	chrY	11329837	11331071	+	0	NA	Intergeni	BSR/Beta|	1091136	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr21-839	88.60631	-1.07238	0.260962	-4.10933	3.97E-05	0.001359	chr21	8392531	8397467	+	0	NA	promoter-	promoter-	-607	NR_003285	1E+08	Hs.426704	NR_003285		RNA5-8SN5	RN5-8S1|R	RNA, 5.8S	rRNA
chr2-9040	60.94448	-1.26376	0.308275	-4.09945	4.14E-05	0.001398	chr2	90400081	90402386	+	0	NA	Intergeni	Intergeni	-763326	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr2-9038	73.12834	-1.16273	0.283707	-4.09835	4.16E-05	0.001398	chr2	90380640	90390932	+	0	NA	Intergeni	Intergeni	-747879	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr4-4965	54.6274	-1.31737	0.3227	-4.08233	4.46E-05	0.001483	chr4	49656243	49657780	+	0	NA	Intergeni	(GAATG)n|	670369	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr4-4914	51.78695	-1.36019	0.335142	-4.05854	4.94E-05	0.001627	chr4	49147306	49147604	+	0	NA	Intergeni	(TCCAT)n|	160813	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1251	103.2749	-0.98894	0.245473	-4.0287	5.61E-05	0.00183	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	(GATTC)n|	3648239	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-418	41.7105	-1.48915	0.372012	-4.00297	6.26E-05	0.002022	chr10	41869362	41869563	+	0	NA	Intergeni	(ATGGA)n|	498583	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo

chr4-4929	64.01477	-1.19455	0.300648	-3.97325	7.09E-05	0.00227	chr4	49295581	49297505	+	0	NA	Intergeni	(GAAG)n|S	309901	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr10-418	45.55059	-1.37738	0.350991	-3.92426	8.70E-05	0.00276	chr10	41858236	41860105	+	0	NA	Intergeni	(ATGGA)n|	508875	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-126	45.98197	-1.41137	0.360929	-3.91038	9.22E-05	0.002896	chr22	12693713	12693966	+	0	NA	Intergeni	CpG	796433	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-133	33.24204	-1.61292	0.414828	-3.88816	0.000101	0.003146	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-126725	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr21-106	47.03399	-1.34274	0.345538	-3.88595	0.000102	0.003146	chr21	10692087	10693085	+	0	NA	Intergeni	(TTCCA)n|	171072	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-932	25.83842	-1.83108	0.473456	-3.86747	0.00011	0.003364	chr21	9324988	9325365	+	0	NA	Intergeni	CpG	-195415	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-405	320.9418	-0.65192	0.170309	-3.82783	0.000129	0.003919	chr10	40593342	40593686	+	0	NA	Intergeni	ALR/Alpha	1774531	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-2360	89.63159	-0.99674	0.260536	-3.82572	0.00013	0.003919	chr1	2.36E+08	2.36E+08	+	0	NA	Intergeni	LTR10A|LT	-32161	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr21-825	56.66185	-1.20476	0.316883	-3.80191	0.000144	0.004278	chr21	8253472	8260776	+	0	NA	TTS (NR_1	TTS (NR_1	343	NR_146120	1.1E+08		NR_146120		RNA5-8SN4	RN5-8S1|R	RNA, 5.8S	rRNA
chr21-120	42.62947	-1.37965	0.364327	-3.78684	0.000153	0.004506	chr21	12036276	12036506	+	0	NA	Intergeni	ALR/Alpha	-1001775	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1239	449.9485	-0.58834	0.15613	-3.76826	0.000164	0.004766	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2407212	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4290	22.20424	-1.91983	0.509499	-3.76808	0.000165	0.004766	chr9	42900239	42900554	+	0	NA	Intergeni	Intergeni	111996	NR_131213	1.06E+08		NR_131213		XLOC_0076	-	uncharact	ncRNA
chr13-179	69.80037	-1.112	0.295234	-3.76651	0.000166	0.004766	chr13	17950249	17950597	+	0	NA	Intergeni	ALR/Alpha	-244874	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-230	1001.062	-0.52158	0.138561	-3.76428	0.000167	0.004769	chr17	23016213	23016678	+	0	NA	Intergeni	ALR/Alpha	493334	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr7-5637	35.94944	-1.48587	0.396156	-3.75071	0.000176	0.004993	chr7	56370528	56374724	+	0	NA	Intergeni	Intergeni	75749	NR_029420	650226	Hs.448401	NR_029420		LOC650226	-	ankyrin r	pseudo
chr1-2286	22.723	-1.8865	0.503303	-3.74824	0.000178	0.005001	chr1	2.29E+08	2.29E+08	+	0	NA	promoter-	promoter-	-277	NR_023378	1E+08		NR_023378	ENSG00000	RNA5S16	RN5S16	RNA, 5S r	rRNA
chr4-4965	33.43406	-1.52301	0.40852	-3.72812	0.000193	0.005373	chr4	49651362	49653432	+	0	NA	Intergeni	(GAATG)n|	665755	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr20-310	53.724	-1.2075	0.324095	-3.72577	0.000195	0.00538	chr20	31051831	31069369	+	0	NA	Intergeni	(GGAAT)n|	-197064	NM_001037	245929	Hs.580793	NM_001037	ENSG00000	DEFB115	DEFB-15	defensin	protein-coding
chr4-4930	33.94226	-1.49804	0.404442	-3.70396	0.000212	0.005818	chr4	49303452	49304069	+	0	NA	Intergeni	Intergeni	317118	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr14-172	183.8708	-0.75382	0.203884	-3.69729	0.000218	0.005925	chr14	17292720	17293026	+	0	NA	Intergeni	ALR/Alpha	-1308244	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-107	21.73442	-1.87763	0.513214	-3.65857	0.000254	0.006842	chr22	10729225	10729536	+	0	NA	Intergeni	(TCCATTCC	232149	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr22-116	60.30936	-1.11866	0.306264	-3.65261	0.00026	0.006948	chr22	11697905	11700168	+	0	NA	Intergeni	MER5A|DNA	-198370	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-418	34.70703	-1.452	0.398251	-3.64593	0.000266	0.007076	chr10	41877707	41877984	+	0	NA	Intergeni	(ATGGA)n|	490200	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrY-1131	57.67989	-1.12304	0.312531	-3.59337	0.000326	0.008603	chrY	11316867	11321091	+	0	NA	Intergeni	BSR/Beta|	1102611	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr10-409	398.1717	-0.5897	0.164556	-3.58355	0.000339	0.008864	chr10	40980947	40981362	+	0	NA	Intergeni	ALR/Alpha	1386891	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-418	49.37677	-1.19438	0.335123	-3.564	0.000365	0.00948	chr10	41861599	41861892	+	0	NA	Intergeni	(ATGGA)n|	506300	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-109	26.19522	-1.64527	0.463154	-3.55231	0.000382	0.009837	chr22	10936135	10936593	+	0	NA	Intergeni	AluJo|SIN	25165	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr10-418	33.30435	-1.41821	0.405203	-3.49999	0.000465	0.011896	chr10	41898663	41900578	+	0	NA	Intergeni	(AATGG)n|	468425	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-133	26.93271	-1.58471	0.453364	-3.49546	0.000473	0.011954	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-40706	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr10-418	51.1034	-1.15144	0.329478	-3.49474	0.000475	0.011954	chr10	41845577	41846553	+	0	NA	Intergeni	Intergeni	521980	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4930	32.06976	-1.43394	0.412401	-3.47705	0.000507	0.012678	chr4	49306056	49309600	+	0	NA	Intergeni	Intergeni	321186	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr21-120	38.42528	-1.31348	0.379401	-3.46198	0.000536	0.013312	chr21	12066830	12067106	+	0	NA	Intergeni	ALR/Alpha	-971198	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr4-4914	40.37566	-1.27379	0.368259	-3.45896	0.000542	0.013366	chr4	49143929	49144773	+	0	NA	Intergeni	(TCCAT)n|	157709	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr17-231	748.6793	-0.50117	0.145189	-3.45185	0.000557	0.013624	chr17	23190216	23190599	+	0	NA	Intergeni	ALR/Alpha	667296	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr22-163	50.39314	-1.14632	0.332543	-3.44715	0.000567	0.013766	chr22	16352695	16352954	+	0	NA	Intergeni	(GGAAT)n|	239986	NM_014406	150160	Hs.128342	NM_014406	ENSG00000	CCT8L2	CESK1	chaperoni	protein-coding
chr13-164	75.2502	-0.96694	0.282327	-3.4249	0.000615	0.014839	chr13	16499326	16499635	+	0	NA	Intergeni	ALR/Alpha	-1695817	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-881	16.97588	-1.99783	0.584345	-3.41893	0.000629	0.01497	chr21	8814228	8814581	+	0	NA	Intergeni	GSATII|Sa	-172595	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr4-4932	52.76493	-1.11004	0.324695	-3.41871	0.000629	0.01497	chr4	49326006	49327442	+	0	NA	Intergeni	L1PA10|LI	340082	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr20-310	49.90556	-1.13824	0.334005	-3.40785	0.000655	0.01547	chr20	31070765	31075914	+	0	NA	Intergeni	(GGAAT)n|	-184325	NM_001037	245929	Hs.580793	NM_001037	ENSG00000	DEFB115	DEFB-15	defensin	protein-coding
chr21-898	47.50432	-1.16757	0.343895	-3.39514	0.000686	0.016096	chr21	8986973	8988653	+	0	NA	TTS (NR_0	TTS (NR_0	196	NR_162105	1.13E+08		NR_162105		MIR10396A	-	microRNA	ncRNA
chr1-2286	20.46645	-1.77461	0.523131	-3.39228	0.000693	0.016155	chr1	2.29E+08	2.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	575	NR_023366	1E+08		NR_023366	ENSG00000	RNA5S4	RN5S4	RNA, 5S r	rRNA
chr17-267	30.98879	-1.41663	0.41887	-3.38202	0.00072	0.016559	chr17	26797006	26797922	+	0	NA	Intergeni	Intergeni	291777	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-2286	22.24987	-1.68836	0.499252	-3.38178	0.00072	0.016559	chr1	2.29E+08	2.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	796	NR_023368	1E+08		NR_023368	ENSG00000	RNA5S6	RN5S6	RNA, 5S r	rRNA
chr1-2286	20.96909	-1.73411	0.51499	-3.36726	0.000759	0.01734	chr1	2.29E+08	2.29E+08	+	0	NA	Intergeni	CpG	-3604	NR_037962	58480	Hs.647774	NM_021205	ENSG00000	RHOU	ARHU|CDC4	ras homol	protein-coding
chr6-5964	168.2998	-0.69591	0.207273	-3.35747	0.000787	0.017774	chr6	59640040	59640423	+	0	NA	Intergeni	ALR/Alpha	-1678785	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-171	44.19967	-1.20452	0.358832	-3.35677	0.000789	0.017774	chr13	17119617	17119840	+	0	NA	Intergeni	ALR/Alpha	-1075569	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr4-4915	37.51407	-1.2755	0.380748	-3.34998	0.000808	0.018097	chr4	49152261	49156344	+	0	NA	Intergeni	(TCCAT)n|	167660	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr10-385	38.55994	-1.25343	0.375962	-3.33394	0.000856	0.019049	chr10	38526837	38529774	+	0	NA	Intergeni	Intergeni	100159	NR_024497	399744	Hs.497951	NM_001013665		LINC00999	-	long inte	ncRNA
chr4-4911	33.45018	-1.33558	0.402294	-3.31992	0.0009	0.019903	chr4	49112262	49113662	+	0	NA	Intergeni	(TCCAT)n|	126320	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr5-4873	466.7656	-0.51509	0.155488	-3.31271	0.000924	0.020291	chr5	48732007	48732479	+	0	NA	Intergeni	ALR/Alpha	1709045	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-263	491.9488	-0.50739	0.153392	-3.30783	0.00094	0.02046	chr19	26331538	26331990	+	0	NA	Intergeni	ALR/Alpha	-1461667	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-116	35.35721	-1.32152	0.399633	-3.30684	0.000944	0.02046	chr21	11646860	11647084	+	0	NA	Intergeni	ALR/Alpha	1125458	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr3-3808	38.44307	-1.25682	0.380372	-3.30418	0.000953	0.020525	chr3	38084381	38084589	+	0	NA	intron (N	(TAG)n|Si	45277	NM_001321	9940	Hs.714499	NM_007335	ENSG00000	DLEC1	CFAP81|DL	DLEC1 cil	protein-coding
chr10-133	15.06778	-2.03747	0.61887	-3.29224	0.000994	0.021283	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-130261	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr22-142	37.74117	-1.24477	0.378746	-3.28657	0.001014	0.021581	chr22	14205324	14205615	+	0	NA	Intergeni	ALR/Alpha	-1322690	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-418	50.6247	-1.07835	0.329675	-3.27093	0.001072	0.022548	chr10	41849679	41853052	+	0	NA	Intergeni	(GATTCCAT	516680	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4958	231.8074	-0.61021	0.186567	-3.27071	0.001073	0.022548	chr5	49584010	49584237	+	0	NA	Intergeni	ALR/Alpha	857165	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-4950	47.31727	-1.10776	0.340093	-3.25722	0.001125	0.023503	chr4	49509461	49515091	+	0	NA	Intergeni	Intergeni	525634	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr10-126	16.85398	-1.879	0.579753	-3.24104	0.001191	0.024728	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	42464	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|c	dedicator	protein-coding
chr21-121	73.75453	-0.91023	0.281597	-3.23239	0.001228	0.025336	chr21	12122944	12123189	+	0	NA	Intergeni	ALR/Alpha	-915100	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr4-4964	27.28394	-1.42928	0.444286	-3.21703	0.001295	0.026572	chr4	49647375	49648812	+	0	NA	Intergeni	(GAATG)n|	661451	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr1-2286	19.08547	-1.73464	0.540447	-3.20964	0.001329	0.027103	chr1	2.29E+08	2.29E+08	+	0	NA	promoter-	promoter-	-126	NR_002834	574029	Hs.647777	NR_002834		DUSP5P1	DUSP5P	dual spec	pseudo
chr10-133	19.6777	-1.69366	0.527983	-3.20779	0.001338	0.027116	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-114228	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr10-418	52.87566	-1.03516	0.322994	-3.20489	0.001351	0.02723	chr10	41847776	41848783	+	0	NA	Intergeni	Intergeni	519766	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4913	33.34998	-1.28678	0.402123	-3.19998	0.001374	0.027423	chr4	49139581	49140876	+	0	NA	Intergeni	(TCCAT)n|	153586	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr6-5916	529.2157	-0.49177	0.153702	-3.19948	0.001377	0.027423	chr6	59163039	59163389	+	0	NA	Intergeni	ALR/Alpha	-1201768	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-2286	19.6126	-1.68963	0.529416	-3.19151	0.001415	0.027881	chr1	2.29E+08	2.29E+08	+	0	NA	Intergeni	CpG	-6088	NR_023373	1E+08		NR_023373	ENSG00000	RNA5S11	RN5S11	RNA, 5S r	rRNA
chr19-259	207.7418	-0.60836	0.190628	-3.19136	0.001416	0.027881	chr19	25916234	25916533	+	0	NA	Intergeni	ALR/Alpha	-1752936	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chrY-5685	60.19577	-0.97227	0.305085	-3.18688	0.001438	0.028	chrY	56850306	56851129	+	0	NA	Intergeni	BSR/Beta|	-103538	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr4-4928	36.70919	-1.22233	0.383557	-3.18683	0.001438	0.028	chr4	49282968	49284829	+	0	NA	Intergeni	Intergeni	297256	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr4-4914	36.68749	-1.22154	0.383987	-3.18121	0.001467	0.028388	chr4	49141724	49142546	+	0	NA	Intergeni	(TCCAT)n|	155493	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr22-141	42.19138	-1.14766	0.362528	-3.16572	0.001547	0.029775	chr22	14122682	14122926	+	0	NA	Intergeni	ALR/Alpha	-1405355	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr4-1900	17.05102	-1.8039	0.570644	-3.16117	0.001571	0.029985	chr4	1.9E+08	1.9E+08	+	0	NA	TTS (NR_1	TTS (NR_1	3203	NM_001293	1E+08	Hs.728749	NM_001205	ENSG00000	DUX4	DUX4L	double ho	protein-coding
chr10-418	32.61802	-1.28103	0.405334	-3.16042	0.001575	0.029985	chr10	41880524	41884767	+	0	NA	Intergeni	(ATGGA)n|	485400	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4927	78.65839	-0.87755	0.277847	-3.15841	0.001586	0.030026	chr4	49278652	49278892	+	0	NA	Intergeni	Intergeni	292130	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr22-141	43.49939	-1.11406	0.35303	-3.1557	0.001601	0.03014	chr22	14180701	14180968	+	0	NA	Intergeni	ALR/Alpha	-1347325	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr6-6132	188.3566	-0.64426	0.20446	-3.151	0.001627	0.030462	chr6	61322898	61323142	+	0	NA	Intergeni	ALR/Alpha	-251110	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr1-1240	137.3461	-0.69013	0.219324	-3.14664	0.001652	0.030547	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2515470	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-179	43.42313	-1.12025	0.356036	-3.14647	0.001653	0.030547	chr13	17938614	17939012	+	0	NA	Intergeni	ALR/Alpha	-256484	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-881	20.59058	-1.62156	0.515528	-3.14543	0.001658	0.030547	chr21	8812883	8813332	+	0	NA	Intergeni	GSATII|Sa	-173892	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr1-1247	223.6312	-0.59538	0.189439	-3.14288	0.001673	0.030641	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3259071	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4341	33.04718	-1.27135	0.404709	-3.1414	0.001681	0.030641	chr9	43412455	43412693	+	0	NA	Intergeni	ALR/Alpha	286408	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-178	61.93853	-0.94803	0.301988	-3.1393	0.001694	0.030699	chr14	17864980	17865315	+	0	NA	Intergeni	ALR/Alpha	-735970	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-120	34.10142	-1.23876	0.396395	-3.12506	0.001778	0.032054	chr21	12099477	12099717	+	0	NA	Intergeni	ALR/Alpha	-938569	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr13-180	56.73643	-0.98619	0.31682	-3.11277	0.001853	0.033244	chr13	18014992	18015298	+	0	NA	Intergeni	ALR/Alpha	-180152	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-149	72.18599	-0.89034	0.286169	-3.11123	0.001863	0.033244	chr22	14953357	14953650	+	0	NA	Intergeni	ALR/Alpha	-574656	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-419	29.53211	-1.3206	0.425528	-3.10343	0.001913	0.033957	chr10	41908343	41915655	+	0	NA	Intergeni	(AATGG)n|	456046	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrY-5683	43.20216	-1.09758	0.354284	-3.09802	0.001948	0.034405	chrY	56838459	56839548	+	0	NA	Intergeni	BSR/Beta|	-115252	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr16-382	1395.24	-0.40952	0.13304	-3.07814	0.002083	0.036464	chr16	38276149	38276495	+	0	NA	Intergeni	ALR/Alpha	2529770	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr22-114	15.49192	-1.8444	0.59928	-3.07769	0.002086	0.036464	chr22	11447006	11447411	+	0	NA	Intergeni	AluSx3|SI	-450198	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr14-176	41.84511	-1.10627	0.360384	-3.06969	0.002143	0.037181	chr14	17662363	17662656	+	0	NA	Intergeni	ALR/Alpha	-938608	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-914	19.07767	-1.6357	0.532999	-3.06886	0.002149	0.037181	chr21	9146739	9150284	+	0	NA	Intergeni	AluSz6|SI	-18750	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr1-2286	16.70481	-1.77376	0.578588	-3.06568	0.002172	0.037252	chr1	2.29E+08	2.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	178	NR_023373	1E+08		NR_023373	ENSG00000	RNA5S11	RN5S11	RNA, 5S r	rRNA
chr4-4963	34.30124	-1.20984	0.394691	-3.06528	0.002175	0.037252	chr4	49633402	49635577	+	0	NA	Intergeni	(GAATG)n|	647847	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr13-166	28.16173	-1.33394	0.436736	-3.05433	0.002256	0.038381	chr13	16640761	16641035	+	0	NA	Intergeni	ALR/Alpha	-1554399	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr9-4365	41.90743	-1.11061	0.363733	-3.05336	0.002263	0.038381	chr9	43652212	43652453	+	0	NA	Intergeni	ALR/Alpha	526166	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-918	25.51999	-1.40002	0.460014	-3.04344	0.002339	0.039474	chr21	9180816	9181414	+	0	NA	Intergeni	AluSz|SIN	-51354	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-277	45.51381	-1.06926	0.351736	-3.03995	0.002366	0.039738	chr20	27785529	27785919	+	0	NA	Intergeni	ALR/Alpha	816941	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-126	56.93062	-0.95478	0.314564	-3.03525	0.002403	0.039877	chr21	12607256	12607627	+	0	NA	Intergeni	ALR/Alpha	-430725	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4961	294.4447	-0.54666	0.180206	-3.03351	0.002417	0.039877	chr5	49612237	49617159	+	0	NA	Intergeni	ALR/Alpha	826590	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-121	28.64266	-1.3143	0.433486	-3.03194	0.00243	0.039877	chr21	12160825	12161077	+	0	NA	Intergeni	ALR/Alpha	-877215	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-887	21.86356	-1.50065	0.495003	-3.0316	0.002433	0.039877	chr21	8879046	8879862	+	0	NA	Intergeni	Intergeni	-107545	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr10-133	15.94556	-1.79614	0.592474	-3.0316	0.002433	0.039877	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-133357	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr10-411	56.92287	-0.94635	0.312783	-3.02558	0.002482	0.040479	chr10	41105261	41105541	+	0	NA	Intergeni	ALR/Alpha	1262644	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4849	91.55798	-0.77123	0.255019	-3.02419	0.002493	0.040479	chr5	48498093	48498378	+	0	NA	Intergeni	ALR/Alpha	1943053	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-405	387.3847	-0.49909	0.165383	-3.01776	0.002547	0.041153	chr10	40556239	40556918	+	0	NA	Intergeni	ALR/Alpha	1811467	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-5938	118.3765	-0.71743	0.238005	-3.01434	0.002575	0.041423	chr6	59383263	59383556	+	0	NA	Intergeni	ALR/Alpha	-1421963	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr15-203	21.77117	-1.50389	0.499695	-3.00962	0.002616	0.041876	chr15	20340330	20342142	+	0	NA	Intergeni	(AGCCAGCC	58492	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr22-142	72.80717	-0.85629	0.284701	-3.00767	0.002633	0.04195	chr22	14261455	14261696	+	0	NA	Intergeni	ALR/Alpha	-1266584	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr16-333	18.77765	-1.60583	0.535867	-2.99669	0.002729	0.043216	chr16	33336105	33339938	+	0	NA	Intergeni	(TGGCTTGC	-7680	NR_158162	1.05E+08		NR_158162		LOC105369	-	uncharact	ncRNA
chr1-1230	115.4626	-0.70148	0.234156	-2.9958	0.002737	0.043216	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1514890	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1236	111.4472	-0.72145	0.241055	-2.99289	0.002764	0.04343	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2173168	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-172	53.61822	-0.96179	0.322629	-2.98112	0.002872	0.044929	chr14	17295841	17296540	+	0	NA	Intergeni	ALR/Alpha	-1304927	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-143	36.5984	-1.13659	0.38259	-2.97078	0.00297	0.046258	chr22	14343149	14343384	+	0	NA	Intergeni	ALR/Alpha	-1184893	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-2286	17.47516	-1.6516	0.55682	-2.96613	0.003016	0.046751	chr1	2.29E+08	2.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	498	NR_023364	1E+08		NR_023364	ENSG00000	RNA5S2	RN5S2	RNA, 5S r	rRNA
chr14-167	41.89303	-1.07927	0.365383	-2.9538	0.003139	0.048344	chr14	16786203	16786468	+	0	NA	Intergeni	ALR/Alpha	-1814782	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-128	71.39561	-0.87625	0.29673	-2.95303	0.003147	0.048344	chr21	12814818	12815134	+	0	NA	Intergeni	ALR/Alpha	-223190	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chrY-5688	17.975	-1.61464	0.547991	-2.94647	0.003214	0.04916	chrY	56881124	56881631	+	0	NA	Intergeni	FLAM_A|SI	-72878	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr10-418	28.15392	-1.27385	0.433511	-2.93846	0.003298	0.050093	chr10	41866654	41867689	+	0	NA	Intergeni	(ATGGA)n|	500874	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4912	17.97779	-1.60966	0.547895	-2.9379	0.003304	0.050093	chr4	49126207	49126960	+	0	NA	Intergeni	(TCCAT)n|	139941	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding
chr13-173	47.07063	-1.01933	0.347242	-2.9355	0.00333	0.05026	chr13	17376613	17377146	+	0	NA	Intergeni	ALR/Alpha	-818418	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-133	20.23377	-1.51083	0.515755	-2.92935	0.003397	0.05104	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-38026	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr4-4911	32.42042	-1.17986	0.404587	-2.91622	0.003543	0.052993	chr4	49114463	49115653	+	0	NA	Intergeni	(TCCAT)n|	128416	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|P	cell wall	protein-coding

chr19-362	16.67251	-1.66343	0.570657	-2.91493	0.003558	0.052993	chr19	36268738	36278848	+	0	NA	Intergeni	SST1|Sat	-27865	NM_00136	147929	Hs.59633	NM_152477	ENSG0000	ZNF565	-	zinc fin	protein-coding
chr9-435	25.79997	-1.32583	0.455441	-2.9111	0.003602	0.053416	chr9	43509542	43509888	+	0	NA	Intergeni	ALR/Alph	383549	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr2-1612	29.68072	-1.22766	0.422029	-2.90896	0.003626	0.053551	chr2	1.61E+08	1.61E+08	+	0	NA	Intergeni	Intergeni	-25972	NR_11059	1.02E+08	Hs.66648	NR_110593		LOC10192	-	uncharact	ncRNA
chr10-418	26.41948	-1.30099	0.447745	-2.90566	0.003665	0.053887	chr10	41874567	41876859	+	0	NA	Intergeni	(ATGGA)n|	492332	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr9-4351	32.96925	-1.1656	0.401595	-2.90244	0.003703	0.054212	chr9	43511915	43512232	+	0	NA	Intergeni	ALR/Alph	385907	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr14-168	26.82694	-1.28748	0.444474	-2.89663	0.003772	0.05499	chr14	16888632	16888984	+	0	NA	Intergeni	ALR/Alph	-1712309	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr13-180	67.62166	-0.8588	0.297032	-2.89128	0.003837	0.055699	chr13	18002268	18002536	+	0	NA	Intergeni	ALR/Alph	-192895	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr19-362	17.17514	-1.61907	0.560514	-2.88855	0.00387	0.055946	chr19	36279928	36286502	+	0	NA	Intergeni	SST1|Sat	-28128	NR_02938	1E+08	Hs.46655	NR_029389		LOC100134	-	uncharact	ncRNA
chr5-479	159.2965	-0.608	0.210807	-2.88417	0.003925	0.056493	chr5	47907355	47907619	+	0	NA	Intergeni	ALR/Alph	-2211107	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr5-4962	180.1123	-0.59529	0.206568	-2.88181	0.003954	0.056511	chr5	49625442	49627096	+	0	NA	Intergeni	ALR/Alph	815019	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr13-166	57.9298	-0.89914	0.312045	-2.88143	0.003959	0.056511	chr13	16607704	16608088	+	0	NA	Intergeni	ALR/Alph	-1587401	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr19-264	54.22713	-0.92653	0.322225	-2.87542	0.004035	0.057359	chr19	26412824	26413045	+	0	NA	Intergeni	ALR/Alph	-1380497	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-421	41.7833	-1.03021	0.358773	-2.87147	0.004086	0.057841	chr10	42104468	42105022	+	0	NA	Intergeni	Intergeni	263300	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr22-138	59.52734	-0.90347	0.315372	-2.86478	0.004173	0.058765	chr22	13863488	13863747	+	0	NA	Intergeni	ALR/Alph	-1664542	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr19-260	95.97198	-0.71891	0.251078	-2.86329	0.004193	0.058765	chr19	26097581	26097873	+	0	NA	Intergeni	ALR/Alph	-1695704	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-418	28.87529	-1.22586	0.42824	-2.86255	0.004202	0.058765	chr10	41854079	41857383	+	0	NA	Intergeni	Intergeni	512314	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chrY-5684	23.28845	-1.40476	0.492079	-2.85475	0.004307	0.059984	chrY	56842214	56842455	+	0	NA	Intergeni	BSR/Beta|	-111921	NM_00584	10251	Hs.38191	NM_00584	ENSG0000	SPRY3	spry-3	sprouty	protein-coding
chr10-408	227.0854	-0.53057	0.186169	-2.84993	0.004373	0.060654	chr10	40892033	40892746	+	0	NA	Intergeni	ALR/Alph	1475656	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr1-1217	213.1768	-0.55061	0.193445	-2.84631	0.004423	0.0611	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	248539	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr21-793	16.39419	-1.63102	0.573489	-2.84403	0.004455	0.061291	chr21	7931792	7932803	+	0	NA	Intergeni	(ATTCCAT	-102665	NM_00136	1.03E+08		NM_00133	ENSG0000	KCNE1B	-	potassiu	protein-coding
chr19-253	61.58127	-0.88605	0.312075	-2.83923	0.004522	0.061864	chr19	25339247	25339455	+	0	NA	Intergeni	ALR/Alph	-1175904	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr22-143	62.29264	-0.88894	0.31317	-2.83852	0.004532	0.061864	chr22	14355616	14355877	+	0	NA	Intergeni	ALR/Alph	-1172413	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr10-400	32.64753	-1.14585	0.403863	-2.83723	0.004551	0.061867	chr10	40024602	40024927	+	0	NA	Intergeni	ALR/Alph	1328168	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr21-115	22.90441	-1.37035	0.485155	-2.82456	0.004735	0.064089	chr21	11537490	11537775	+	0	NA	Intergeni	ALR/Alph	1016118	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr17-269	16.98363	-1.59366	0.564673	-2.82228	0.004768	0.064089	chr17	26947666	26947976	+	0	NA	Intergeni	MER54A|L	141420	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-114	47.21149	-0.95561	0.338609	-2.82216	0.00477	0.064089	chr21	11499681	11499932	+	0	NA	Intergeni	ALR/Alph	978292	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr21-128	20.93901	-1.42202	0.5042	-2.82034	0.004797	0.064166	chr21	12801182	12801512	+	0	NA	Intergeni	ALR/Alph	-236819	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr4-1317	15.1379	-1.68422	0.597396	-2.81927	0.004813	0.064166	chr4	1.32E+08	1.32E+08	+	0	NA	Intergeni	CpG	-13960	NR_12588	1.02E+08	Hs.50792	NR_125883		SNHG27	-	small nu	ncRNA
chr13-170	35.27973	-1.10143	0.391421	-2.81394	0.004894	0.064986	chr13	17079667	17080696	+	0	NA	Intergeni	ALR/Alph	-1115116	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr14-180	70.49211	-0.79774	0.284066	-2.80828	0.004981	0.065883	chr14	18072507	18072907	+	0	NA	Intergeni	ALR/Alph	-528410	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr21-910	19.74782	-1.45075	0.51767	-2.80245	0.005072	0.066579	chr21	9109383	9110148	+	0	NA	intron (	AluSx1|S	19996	NR_03832	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr4-4963	36.22268	-1.07491	0.383564	-2.80242	0.005072	0.066579	chr4	49637971	49638186	+	0	NA	Intergeni	(GAATG)n|	651436	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr21-116	33.38502	-1.11451	0.398887	-2.79404	0.005205	0.067716	chr21	11621535	11622368	+	0	NA	Intergeni	ALR/Alph	1100437	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr10-133	15.63495	-1.64593	0.589244	-2.79328	0.005218	0.067716	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-50567	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr21-881	18.61235	-1.5084	0.540014	-2.79326	0.005218	0.067716	chr21	8815569	8815818	+	0	NA	Intergeni	TAR1|Sat	-171306	NR_037421	1.01E+08		NR_037421	ENSG0000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr14-168	52.63131	-0.90228	0.323386	-2.79009	0.005269	0.068123	chr14	16898852	16899735	+	0	NA	Intergeni	ALR/Alph	-1701824	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr19-362	15.59155	-1.64254	0.589286	-2.78734	0.005314	0.06823	chr19	36287580	36291565	+	0	NA	Intergeni	SST1|Sat	-21771	NR_02938	1E+08	Hs.46655	NR_029389		LOC100134	-	uncharact	ncRNA
chr22-139	17.9427	-1.51681	0.544217	-2.78715	0.005317	0.06823	chr22	13905821	13906059	+	0	NA	Intergeni	ALR/Alph	-1622219	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-1243	39.1622	-1.024	0.369214	-2.77344	0.005547	0.070906	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2872660	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr22-121	20.20705	-1.4178	0.511667	-2.77094	0.005589	0.071188	chr22	12171048	12172275	+	0	NA	Intergeni	ACRO1|Sat	274255	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr10-419	23.4655	-1.30978	0.47346	-2.7664	0.005668	0.07192	chr10	41903057	41907879	+	0	NA	Intergeni	(AATGG)n|	462577	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr4-1900	20.70689	-1.39354	0.504288	-2.76338	0.005721	0.072321	chr4	1.9E+08	1.9E+08	+	0	NA	Intergeni	CpG	6284	NM_00129	1E+08	Hs.72874	NM_00120	ENSG0000	DUX4	DUX4L	double h	protein-coding
chr21-925	36.94126	-1.04538	0.379619	-2.75375	0.005892	0.074208	chr21	9255137	9260549	+	0	NA	Intergeni	MER5A|DN	-128082	NR_038327	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr19-271	227.2699	-0.56218	0.204411	-2.75023	0.005955	0.074735	chr19	27183517	27183747	+	0	NA	Intergeni	ALR/Alph	-609799	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr22-118	21.29633	-1.37164	0.498959	-2.74901	0.005978	0.074742	chr22	11895531	11897831	+	0	NA	promoter-	promoter-	-725	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr21-791	16.7081	-1.55602	0.566772	-2.7454	0.006044	0.075293	chr21	7915922	7917997	+	0	NA	Intergeni	(ATTCCAT	-87327	NM_00136	1.03E+08		NM_00133	ENSG0000	KCNE1B	-	potassiu	protein-coding
chr21-115	47.44803	-0.94875	0.345825	-2.74345	0.00608	0.075467	chr21	11512334	11512570	+	0	NA	Intergeni	ALR/Alph	990938	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr10-418	22.20642	-1.32832	0.486405	-2.73088	0.006317	0.077959	chr10	41887452	41894160	+	0	NA	Intergeni	(AATGG)n|	477089	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr10-409	121.3211	-0.64174	0.235034	-2.73039	0.006326	0.077959	chr10	40971774	40972056	+	0	NA	Intergeni	ALR/Alph	1396130	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr13-164	18.30954	-1.48205	0.544108	-2.72382	0.006453	0.079238	chr13	16480498	16480750	+	0	NA	Intergeni	ALR/Alph	-1714673	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr4-4931	34.61459	-1.06288	0.390385	-2.72266	0.006476	0.079238	chr4	49318789	49321614	+	0	NA	Intergeni	MER21B|L	333559	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr10-133	15.35942	-1.60539	0.590026	-2.72087	0.006511	0.079382	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-44080	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr22-136	29.27214	-1.16202	0.42783	-2.71607	0.006606	0.080258	chr22	13660530	13661618	+	0	NA	Intergeni	ALR/Alph	1763668	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr20-265	187.2348	-0.57202	0.211487	-2.70474	0.006836	0.082676	chr20	26541675	26542408	+	0	NA	Intergeni	ALR/Alph	-332808	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr10-418	20.42579	-1.3704	0.506829	-2.70388	0.006854	0.082676	chr10	41895345	41897498	+	0	NA	Intergeni	(AATGG)n|	471624	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-113	30.77725	-1.12323	0.415624	-2.7025	0.006882	0.082728	chr21	11358284	11358783	+	0	NA	Intergeni	ALR/Alph	837019	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr10-133	15.29432	-1.60023	0.592733	-2.69974	0.006939	0.083126	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-116891	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr13-166	59.25226	-0.82504	0.305788	-2.69807	0.006974	0.083253	chr13	16690004	16690402	+	0	NA	Intergeni	ALR/Alph	-1505094	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr14-175	58.78366	-0.83701	0.310364	-2.69686	0.007	0.083268	chr14	17502891	17503141	+	0	NA	Intergeni	ALR/Alph	-1098101	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr22-143	36.0084	-1.03292	0.384492	-2.68646	0.007221	0.085608	chr22	14338064	14338311	+	0	NA	Intergeni	ALR/Alph	-1189972	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr22-107	18.66686	-1.42277	0.531052	-2.67916	0.007381	0.086848	chr22	10732757	10735367	+	0	NA	Intergeni	Intergeni	227467	NR_13232	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr6-6023	76.44798	-0.7425	0.277223	-2.67834	0.007399	0.086848	chr6	60230200	60230404	+	0	NA	Intergeni	ALR/Alph	-1343828	NM_00119	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2	protein-coding
chr13-167	50.42984	-0.87852	0.328027	-2.67819	0.007402	0.086848	chr13	16776584	16777461	+	0	NA	Intergeni	ALR/Alph	-1418275	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr17-253	418.3469	-0.42887	0.16054	-2.67142	0.007553	0.088	chr17	25383646	25383941	+	0	NA	Intergeni	ALR/Alph	1705448	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-261	137.0004	-0.58551	0.219246	-2.67059	0.007572	0.088	chr19	26188899	26190029	+	0	NA	Intergeni	ALR/Alph	-1603967	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr4-4925	23.80669	-1.25888	0.471559	-2.66961	0.007594	0.088	chr4	49253472	49253969	+	0	NA	Intergeni	Intergeni	267078	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr14-167	47.24044	-0.90727	0.339901	-2.66921	0.007603	0.088	chr14	16780184	16780819	+	0	NA	Intergeni	ALR/Alph	-1820616	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr9-438	28.95322	-1.13672	0.426511	-2.66517	0.007695	0.0885	chr9	43808354	43808744	+	0	NA	Intergeni	ALR/Alph	682383	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr13-168	21.47724	-1.31702	0.494127	-2.66486	0.007702	0.0885	chr13	16839123	16839471	+	0	NA	Intergeni	ALR/Alph	-1356000	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr17-266	847.951	-0.40361	0.151508	-2.66392	0.007724	0.0885	chr17	26619442	26620589	+	0	NA	Intergeni	ALR/Alph	469226	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-418	19.1233	-1.39355	0.523615	-2.6614	0.007782	0.088733	chr10	41863217	41865873	+	0	NA	Intergeni	(ATGGA)n|	503500	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr10-411	234.8148	-0.5156	0.193778	-2.66079	0.007796	0.088733	chr10	41133803	41134085	+	0	NA	Intergeni	ALR/Alph	1234101	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr10-420	16.86453	-1.4842	0.558906	-2.65554	0.007918	0.089564	chr10	42097737	42098073	+	0	NA	Intergeni	Intergeni	270140	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr14-177	29.05118	-1.12873	0.425118	-2.6551	0.007928	0.089564	chr14	17782034	17782354	+	0	NA	Intergeni	ALR/Alph	-818923	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr6-5918	90.33063	-0.68213	0.257011	-2.65408	0.007952	0.089564	chr6	59183808	59184085	+	0	NA	Intergeni	ALR/Alph	-1222500	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr20-295	15.77525	-1.55324	0.585424	-2.65319	0.007973	0.089564	chr20	29516819	29517018	+	0	NA	Intergeni	Intergeni	-19584	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr17-260	293.5531	-0.46147	0.174324	-2.64718	0.008117	0.090581	chr17	26041053	26041347	+	0	NA	Intergeni	ALR/Alph	1048041	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr2-8982	19.62314	-1.3688	0.517111	-2.64702	0.00812	0.090581	chr2	89827964	89831148	+	0	NA	Intergeni	(ATTCC)n|	-191649	NR_13632	1.02E+08	Hs.57807	NR_136329		LOC101927	-	lysine m	pseudo
chr13-166	46.04646	-0.90674	0.342676	-2.64607	0.008143	0.090581	chr13	16663968	16664188	+	0	NA	Intergeni	ALR/Alph	-1531219	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr4-4912	20.15026	-1.33821	0.50879	-2.63018	0.008534	0.09462	chr4	49129075	49133837	+	0	NA	Intergeni	(TCCAT)n|	144814	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr22-136	61.37581	-0.79414	0.302579	-2.62457	0.008676	0.095883	chr22	13610783	13611149	+	0	NA	Intergeni	ALR/Alph	1713560	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr7-6059	82.55135	-0.71017	0.270723	-2.62321	0.00871	0.095955	chr7	60591143	60591442	+	0	NA	Intergeni	ALR/Alph	2712764	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fin	pseudo
chr13-171	25.74653	-1.18698	0.453257	-2.61879	0.008824	0.096897	chr13	17143090	17143569	+	0	NA	Intergeni	ALR/Alph	-1051968	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-916	20.69629	-1.31484	0.502788	-2.6151	0.00892	0.097636	chr21	9161231	9161593	+	0	NA	Intergeni	Intergeni	-31651	NR_038327	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr19-252	227.2058	-0.50593	0.193813	-2.6104	0.009044	0.098674	chr19	25248068	25248316	+	0	NA	Intergeni	ALR/Alph	-1084745	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr5-4867	86.16384	-0.87458	0.335531	-2.60657	0.009146	0.099218	chr5	48678491	48678737	+	0	NA	Intergeni	ALR/Alph	1762674	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr21-924	35.03873	-1.00935	0.387361	-2.60571	0.009168	0.099218	chr21	9246282	9253862	+	0	NA	Intergeni	Intergeni	-120311	NR_038327	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr8-8564	17.25307	-1.45001	0.556568	-2.60526	0.00918	0.099218	chr8	85642961	85643737	+	0	NA	Intergeni	CpG	12327	NR_003594	1E+08	Hs.53505	NR_003594		REXO1L2P	-	REXO1 li	pseudo
chr4-4931	45.31728	-0.89478	0.343744	-2.60304	0.00924	0.099548	chr4	49313178	49315251	+	0	NA	Intergeni	MER21B|L	327572	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr4-4928	21.12266	-1.30277	0.501676	-2.59683	0.009409	0.100938	chr4	49280388	49281363	+	0	NA	Intergeni	Intergeni	294233	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr10-402	265.7672	-0.45824	0.176534	-2.59577	0.009438	0.100938	chr10	40204322	40204706	+	0	NA	Intergeni	ALR/Alph	1507918	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr22-137	49.37732	-0.87087	0.335887	-2.59276	0.009521	0.100938	chr22	13779665	13780573	+	0	NA	Intergeni	ALR/Alph	-1748040	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr4-4928	24.87041	-1.18723	0.458144	-2.59138	0.009559	0.100938	chr4	49289147	49292489	+	0	NA	Intergeni	Intergeni	304176	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr1-1246	249.0603	-0.46719	0.180288	-2.59135	0.00956	0.100938	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3098299	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr3-9248	31.99567	-1.07835	0.416452	-2.58938	0.009615	0.100938	chr3	92488738	92489030	+	0	NA	Intergeni	ALR/Alph	1485197	NM_001314	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr5-4875	118.3625	-0.60037	0.231911	-2.5888	0.009631	0.100938	chr5	48753950	48754193	+	0	NA	Intergeni	ALR/Alph	1687217	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1235	228.4547	-0.47838	0.184795	-2.58869	0.009634	0.100938	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	1991825	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr13-177	60.37723	-0.79424	0.306812	-2.58869	0.009634	0.100938	chr13	17742715	17743042	+	0	NA	Intergeni	ALR/Alph	-452419	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr9-4474	48.73495	-0.86174	0.33303	-2.58758	0.009665	0.100955	chr9	44740805	44741127	+	0	NA	Intergeni	ALR/Alph	1614800	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr10-420	37.06817	-0.97593	0.377486	-2.58535	0.009728	0.101302	chr10	42090676	42092883	+	0	NA	Intergeni	Intergeni	276266	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-120	36.95408	-0.97658	0.378098	-2.58288	0.009798	0.101719	chr21	12037726	12038846	+	0	NA	Intergeni	ALR/Alph	-999880	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr1-1231	107.6165	-0.62158	0.241214	-2.57687	0.00997	0.102608	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1676626	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr7-6041	97.92571	-0.6414	0.248927	-2.57665	0.009976	0.102608	chr7	60418778	60419045	+	0	NA	Intergeni	ALR/Alph	2885145	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fin	pseudo
chr22-141	49.18302	-0.86241	0.334802	-2.57589	0.009998	0.102608	chr22	14176654	14177359	+	0	NA	Intergeni	ALR/Alph	-1351153	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr22-145	40.0266	-0.93735	0.363919	-2.57572	0.010003	0.102608	chr22	14543122	14543524	+	0	NA	Intergeni	ALR/Alph	-984836	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr14-168	63.17312	-0.7714	0.299658	-2.57428	0.010045	0.102652	chr14	16812325	16812618	+	0	NA	Intergeni	ALR/Alph	-1788646	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr19-255	59.417	-0.78794	0.306174	-2.5735	0.010067	0.102652	chr19	25523985	25524211	+	0	NA	Intergeni	ALR/Alph	-1360651	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr8-4555	70.17541	-0.73189	0.284951	-2.56848	0.010214	0.103842	chr8	45553569	45554005	+	0	NA	Intergeni	ALR/Alph	1063856	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr6-5956	232.9477	-0.47666	0.18624	-2.55938	0.010486	0.106115	chr6	59566187	59566885	+	0	NA	Intergeni	ALR/Alph	-1604889	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr9-4362	26.94604	-1.12491	0.439605	-2.55891	0.0105	0.106115	chr9	43620922	43621390	+	0	NA	Intergeni	ALR/Alph	494990	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr4-4963	19.80126	-1.3143	0.514036	-2.55682	0.010563	0.10644	chr4	49639901	49642969	+	0	NA	Intergeni	(GAATG)n|	654793	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr13-173	45.59174	-0.88973	0.348299	-2.5545	0.010634	0.106841	chr13	17352571	17352966	+	0	NA	Intergeni	ALR/Alph	-842529	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-113	41.92025	-0.91154	0.357159	-2.55221	0.010704	0.107136	chr21	11350336	11351558	+	0	NA	Intergeni	ALR/Alph	829433	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr14-169	38.3668	-0.95526	0.374391	-2.5515	0.010726	0.107136	chr14	16904599	16904798	+	0	NA	Intergeni	ALR/Alph	-1696419	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr22-136	22.66062	-1.2247	0.480765	-2.54741	0.010853	0.108085	chr22	13643852	13644143	+	0	NA	Intergeni	ALR/Alph	1746591	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr14-167	66.54575	-0.76625	0.301205	-2.54396	0.01096	0.108543	chr14	16729999	16730349	+	0	NA	Intergeni	ALR/Alph	-1870943	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr22-107	17.56698	-1.38519	0.544513	-2.54391	0.010962	0.108543	chr22	10726648	10728331	+	0	NA	Intergeni	(TCCATTC	234040	NR_13232	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr17-266	2002.98	-0.36368	0.143072	-2.54197	0.011023	0.108833	chr17	26603645	26604274	+	0	NA	Intergeni	ALR/Alph	485282	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-294	20.87163	-1.26839	0.49922	-2.54074	0.011062	0.108903	chr20	29497203	29497991	+	0	NA	promoter-	promoter-	-263	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr22-136	35.8035	-0.97996	0.386313	-2.5367	0.01119	0.10985	chr22	13631928	13632445	+	0	NA	Intergeni	ALR/Alph	1734780	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr10-133	15.26202	-1.48609	0.586412	-2.5342	0.01127	0.110321	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-47282	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr5-4773	64.80463	-0.76918	0.304081	-2.52953	0.011422	0.110997	chr5	47739713	47739927	+	0	NA	Intergeni	ALR/Alph	-2043440	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr21-121	29.42913	-1.06409	0.420748	-2.52904	0.011437	0.110997	chr21	12175859	12176761	+	0	NA	Intergeni	ALR/Alph	-861856	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo

chr13-172	61.93852	-0.76593	0.302883	-2.52879	0.011446	0.110997	chr13	17258381	17258636	+	0	NA	Intergeni	ALR/Alpha	-936789	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1231	155.2765	-0.54415	0.215246	-2.52803	0.01147	0.110997	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1582448	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4886	123.263	-0.59153	0.234135	-2.52645	0.011522	0.110997	chr5	48860473	48860835	+	0	NA	Intergeni	ALR/Alpha	1580634	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-163	20.37736	-1.27996	0.506694	-2.52609	0.011534	0.110997	chr22	16315702	16315901	+	0	NA	Intergeni	Intergeni	277009	NM_014406	150160	Hs.128342	NM_014406	ENSG00000	CCT8L2	CESK1	chaperoni	protein-coding
chr19-265	21.34698	-1.25218	0.496236	-2.52335	0.011624	0.111092	chr19	26519327	26519546	+	0	NA	Intergeni	ALR/Alpha	-1273995	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-271	35.07828	-0.98562	0.390636	-2.52311	0.011632	0.111092	chr19	27178394	27178608	+	0	NA	Intergeni	ALR/Alpha	-614930	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-103	15.78356	-1.45303	0.57595	-2.52284	0.011641	0.111092	chr21	10388640	10388839	+	0	NA	Intergeni	AluSg7|SI	-24781	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr4-4913	21.8524	-1.2261	0.486767	-2.51887	0.011773	0.111514	chr4	49135908	49137930	+	0	NA	Intergeni	(TCCAT)n|	150277	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr9-4356	24.02157	-1.18146	0.469089	-2.51862	0.011781	0.111514	chr9	43562303	43562611	+	0	NA	Intergeni	ALR/Alpha	436291	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1243	243.8041	-0.46314	0.183939	-2.51791	0.011805	0.111514	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2790644	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1246	43.88458	-0.88624	0.35211	-2.51694	0.011838	0.111514	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3142981	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-166	24.77129	-1.16575	0.463215	-2.51664	0.011848	0.111514	chr13	16672847	16673127	+	0	NA	Intergeni	ALR/Alpha	-1522310	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-104	15.78635	-1.44752	0.575659	-2.51454	0.011919	0.111663	chr21	10423016	10424825	+	0	NA	intron (N	AluY|SINE	10388	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr5-4858	138.9615	-0.56382	0.22425	-2.51424	0.011929	0.111663	chr5	48589416	48590520	+	0	NA	Intergeni	ALR/Alpha	1851320	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4764	224.1711	-0.47946	0.190817	-2.51264	0.011983	0.111865	chr5	47648570	47648811	+	0	NA	Intergeni	ALR/Alpha	-1952310	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr22-147	55.88976	-0.79051	0.314969	-2.50982	0.012079	0.112399	chr22	14745789	14746123	+	0	NA	Intergeni	ALR/Alpha	-782203	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-1237	139.1094	-0.54624	0.21777	-2.50833	0.01213	0.112399	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2264899	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-268	1048.386	-0.39567	0.157757	-2.50808	0.012139	0.112399	chr17	26880902	26885958	+	0	NA	Intergeni	ALR/Alpha	205811	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-179	24.59768	-1.15648	0.461894	-2.50378	0.012288	0.113444	chr13	17981163	17981571	+	0	NA	Intergeni	ALR/Alpha	-213930	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-916	25.75485	-1.13118	0.451948	-2.5029	0.012318	0.113444	chr21	9167848	9168578	+	0	NA	Intergeni	Intergeni	-38452	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-419	27.20539	-1.09988	0.441017	-2.49396	0.012633	0.115968	chr10	41901705	41902012	+	0	NA	Intergeni	(AATGG)n|	466187	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-270	43.19602	-0.87685	0.351817	-2.49234	0.012691	0.115968	chr20	27054504	27055659	+	0	NA	Intergeni	ALR/Alpha	-845848	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A	ncRNA
chr17-247	334.8753	-0.41538	0.166667	-2.49225	0.012693	0.115968	chr17	24740194	24740464	+	0	NA	Intergeni	ALR/Alpha	2217218	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr6-5938	90.08121	-0.63984	0.25714	-2.4883	0.012836	0.116955	chr6	59385445	59386412	+	0	NA	Intergeni	ALR/Alpha	-1424482	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-169	28.29366	-1.08404	0.436266	-2.48481	0.012962	0.117795	chr14	16982284	16982946	+	0	NA	Intergeni	ALR/Alpha	-1618502	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr9-4349	16.80495	-1.39248	0.56107	-2.48183	0.013071	0.118468	chr9	43495809	43496223	+	0	NA	Intergeni	ALR/Alpha	369850	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-116	50.69147	-0.81166	0.327252	-2.48024	0.013129	0.118567	chr21	11641143	11642052	+	0	NA	Intergeni	ALR/Alpha	1120083	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-124	41.57683	-0.89442	0.360762	-2.47925	0.013166	0.118567	chr21	12404628	12404945	+	0	NA	Intergeni	ALR/Alpha	-633380	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr14-172	37.44612	-0.92849	0.374584	-2.47871	0.013186	0.118567	chr14	17241846	17242129	+	0	NA	Intergeni	ALR/Alpha	-1359130	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-389	20.05007	-1.25726	0.507606	-2.47683	0.013255	0.118882	chr10	38918348	38921148	+	0	NA	Intergeni	(GAATG)n|	223152	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr4-4928	38.44859	-0.91545	0.369998	-2.4742	0.013353	0.119149	chr4	49286447	49287455	+	0	NA	Intergeni	Intergeni	300309	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr21-113	22.92834	-1.18154	0.477713	-2.47332	0.013386	0.119149	chr21	11373327	11373542	+	0	NA	Intergeni	ALR/Alpha	851920	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4884	143.6209	-0.53686	0.217068	-2.47324	0.01339	0.119149	chr5	48840395	48840679	+	0	NA	Intergeni	ALR/Alpha	1600751	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-170	29.84495	-1.04767	0.42399	-2.47097	0.013475	0.119597	chr14	17097306	17097521	+	0	NA	Intergeni	ALR/Alpha	-1503704	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-141	42.25987	-0.93332	0.378357	-2.46677	0.013634	0.119812	chr22	14174790	14175005	+	0	NA	Intergeni	ALR/Alpha	-1353262	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr21-128	56.11408	-0.77519	0.314253	-2.46676	0.013634	0.119812	chr21	12879543	12879870	+	0	NA	Intergeni	ALR/Alpha	-158460	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr13-167	47.96632	-0.86298	0.349846	-2.46675	0.013634	0.119812	chr13	16736413	16736664	+	0	NA	Intergeni	ALR/Alpha	-1458759	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-887	20.52542	-1.24065	0.502971	-2.46664	0.013639	0.119812	chr21	8876436	8878232	+	0	NA	Intergeni	AluSq2|SI	-109665	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr1-1237	81.56717	-0.65728	0.266776	-2.46381	0.013747	0.120442	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2271259	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-981	17.21798	-1.35809	0.551414	-2.46292	0.013781	0.120442	chr21	9818829	9821819	+	0	NA	intron (N	SST1|Sate	737	NR_038377	441058	Hs.130535	NR_038377		LINC01667	-	long inte	ncRNA
chr14-169	21.09594	-1.21798	0.495131	-2.45991	0.013897	0.121151	chr14	16961410	16961803	+	0	NA	Intergeni	ALR/Alpha	-1639511	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-418	25.36245	-1.10903	0.451132	-2.45833	0.013958	0.121374	chr10	41885191	41886626	+	0	NA	Intergeni	(ATGGA)n|	482137	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-173	32.10925	-0.98841	0.402832	-2.45365	0.014142	0.122393	chr13	17304012	17305676	+	0	NA	Intergeni	ALR/Alpha	-890453	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr9-4348	24.28371	-1.14904	0.468397	-2.45313	0.014162	0.122393	chr9	43488105	43488308	+	0	NA	Intergeni	ALR/Alpha	362040	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-115	25.8812	-1.10146	0.449118	-2.45249	0.014187	0.122393	chr21	11505322	11505580	+	0	NA	Intergeni	ALR/Alpha	983937	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chrY-1129	25.84059	-1.09591	0.447	-2.4517	0.014218	0.122393	chrY	11297479	11297696	+	0	NA	Intergeni	(ATTCC)n|	1124003	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr20-271	25.90848	-1.09592	0.447254	-2.45034	0.014272	0.122547	chr20	27143540	27144001	+	0	NA	Intergeni	ALR/Alpha	-934537	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A	ncRNA
chr21-118	40.00267	-0.8933	0.364861	-2.44832	0.014352	0.122928	chr21	11893694	11894091	+	0	NA	Intergeni	ALR/Alpha	-1144274	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-143	36.49937	-0.95563	0.390503	-2.44717	0.014398	0.123013	chr22	14333083	14333341	+	0	NA	Intergeni	ALR/Alpha	-1194947	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-283	53.56969	-0.78453	0.32137	-2.4412	0.014638	0.124754	chr20	28309313	28309794	+	0	NA	Intergeni	ALR/Alpha	293112	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1228	224.264	-0.4712	0.193317	-2.43744	0.014792	0.124957	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1323639	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-107	15.50804	-1.4118	0.579224	-2.4374	0.014793	0.124957	chr22	10716759	10718251	+	0	NA	Intergeni	Intergeni	244024	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr7-1272	15.50804	-1.4118	0.579224	-2.4374	0.014793	0.124957	chr7	1272242	1272985	+	0	NA	Intergeni	Intergeni	39741	NM_001080	340260		NM_001080	ENSG00000	UNCX	UNCX4.1	UNC homeo	protein-coding
chr10-412	136.3904	-0.5372	0.220456	-2.43676	0.014819	0.124957	chr10	41265303	41265686	+	0	NA	Intergeni	ALR/Alpha	1102551	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr17-257	407.7985	-0.41501	0.170354	-2.43615	0.014845	0.124957	chr17	25788473	25788732	+	0	NA	Intergeni	ALR/Alpha	1300639	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-911	22.11733	-1.18538	0.48689	-2.43461	0.014908	0.125184	chr21	9115915	9116540	+	0	NA	intron (N	intron (N	13534	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr21-112	29.46588	-1.0381	0.427152	-2.43027	0.015087	0.12638	chr21	11235155	11235420	+	0	NA	Intergeni	ALR/Alpha	713773	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr10-401	134.692	-0.54164	0.223081	-2.42802	0.015181	0.12661	chr10	40127914	40128653	+	0	NA	Intergeni	ALR/Alpha	1431687	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr22-143	31.782	-1.00773	0.415071	-2.42785	0.015189	0.12661	chr22	14314354	14315259	+	0	NA	Intergeni	ALR/Alpha	-1213353	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr6-5877	27.88336	-1.0548	0.435393	-2.42263	0.015409	0.128131	chr6	58772605	58773030	+	0	NA	Intergeni	ALR/Alpha	-811371	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr21-113	21.01193	-1.20853	0.499273	-2.42057	0.015496	0.128302	chr21	11345073	11345277	+	0	NA	Intergeni	ALR/Alpha	823661	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr17-269	15.9806	-1.38987	0.574234	-2.42038	0.015504	0.128302	chr17	26951422	26951673	+	0	NA	Intergeni	AluSc8|SI	137694	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-251	160.3049	-0.5033	0.208424	-2.41477	0.015745	0.129983	chr19	25146913	25147197	+	0	NA	Intergeni	ALR/Alpha	-983608	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-270	60.22467	-0.73035	0.302806	-2.41193	0.015868	0.130199	chr20	27001943	27002474	+	0	NA	Intergeni	ALR/Alpha	-792975	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A	ncRNA
chr14-173	32.2317	-0.97958	0.406164	-2.41179	0.015875	0.130199	chr14	17324450	17324830	+	0	NA	Intergeni	ALR/Alpha	-1276477	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4948	59.41928	-0.74103	0.307527	-2.40964	0.015968	0.130199	chr5	49487603	49487880	+	0	NA	Intergeni	ALR/Alpha	953547	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1238	53.08769	-0.77201	0.320429	-2.40931	0.015983	0.130199	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2353566	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-195	46.14386	-0.819	0.340081	-2.40824	0.01603	0.130199	chr15	19563220	19564391	+	0	NA	Intergeni	ALR/Alpha	-718939	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoi	pseudo
chr4-5087	19.77175	-1.22817	0.510061	-2.40789	0.016045	0.130199	chr4	50870266	50870531	+	0	NA	Intergeni	ALR/Alpha	-972602	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr20-283	24.12506	-1.11606	0.463684	-2.40694	0.016087	0.130199	chr20	28324168	28324465	+	0	NA	Intergeni	ALR/Alpha	278349	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-123	51.08554	-0.78331	0.325482	-2.40661	0.016101	0.130199	chr21	12382427	12383173	+	0	NA	Intergeni	ALR/Alpha	-655366	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr11-352	16.53221	-1.34809	0.560279	-2.4061	0.016124	0.130199	chr11	35248616	35248852	+	0	NA	Intergeni	Intergeni	85784	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr19-248	102.8668	-0.58754	0.244252	-2.40548	0.016151	0.130199	chr19	24894130	24895743	+	0	NA	Intergeni	ALR/Alpha	-731489	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4783	109.3303	-0.57445	0.239039	-2.40316	0.016254	0.130721	chr5	47839797	47840062	+	0	NA	Intergeni	ALR/Alpha	-2143549	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr2-9142	38.48535	-0.8969	0.374121	-2.39736	0.016514	0.132497	chr2	91421861	91422413	+	0	NA	Intergeni	Intergeni	237812	NR_027238	654342	Hs.469287	NR_027238		LSP1P4	-	LSP1 pseu	pseudo
chr19-256	31.80923	-0.9683	0.404393	-2.39445	0.016645	0.133239	chr19	25695880	25696109	+	0	NA	Intergeni	ALR/Alpha	-1532547	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1240	49.7897	-0.79152	0.330844	-2.39242	0.016738	0.133667	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2488381	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9157	127.682	-0.53778	0.22507	-2.3894	0.016876	0.134458	chr3	91572753	91573072	+	0	NA	Intergeni	ALR/Alpha	2401169	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr19-270	236.4711	-0.43616	0.182623	-2.38831	0.016926	0.134545	chr19	27022720	27022988	+	0	NA	Intergeni	ALR/Alpha	-770577	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1231	54.98413	-0.75712	0.317343	-2.38581	0.017042	0.13515	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1599531	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-175	41.49834	-0.85918	0.360365	-2.38419	0.017117	0.135431	chr13	17540062	17540456	+	0	NA	Intergeni	ALR/Alpha	-655038	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1217	110.9928	-0.56392	0.236693	-2.3825	0.017196	0.135473	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	252815	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5925	79.08185	-0.64259	0.269727	-2.38238	0.017201	0.135473	chr6	59259537	59259819	+	0	NA	Intergeni	ALR/Alpha	-1298232	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5864	21.33917	-1.17461	0.494562	-2.37506	0.017546	0.137875	chr6	58643014	58643241	+	0	NA	Intergeni	ALR/Alpha	-681681	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-167	37.89196	-0.88266	0.372189	-2.37154	0.017714	0.138704	chr13	16723999	16724388	+	0	NA	Intergeni	ALR/Alpha	-1471104	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr6-5927	74.44688	-0.65885	0.277859	-2.37115	0.017733	0.138704	chr6	59276166	59277194	+	0	NA	Intergeni	ALR/Alpha	-1315234	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr9-4345	21.20338	-1.17474	0.495726	-2.36974	0.017801	0.13877	chr9	43455002	43455350	+	0	NA	Intergeni	ALR/Alpha	329010	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr9-4352	33.74628	-0.93604	0.395075	-2.36928	0.017823	0.13877	chr9	43524904	43525456	+	0	NA	Intergeni	ALR/Alpha	399014	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-119	27.02118	-1.03533	0.437135	-2.36845	0.017863	0.13877	chr22	11900067	11902469	+	0	NA	intron (N	L1MA5|LIN	3862	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-144	22.49533	-1.15048	0.486058	-2.36697	0.017935	0.139013	chr22	14448533	14448750	+	0	NA	Intergeni	ALR/Alpha	-1079518	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-1240	84.60354	-0.62466	0.264307	-2.36338	0.018109	0.139952	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2579760	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-170	46.3843	-0.80461	0.340532	-2.3628	0.018137	0.139952	chr15	17000463	17000718	+	0	NA	Intergeni	ALR/Alpha	-3282154	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoi	pseudo
chr19-372	15.18074	-1.38298	0.585721	-2.36116	0.018218	0.140125	chr19	37288779	37300962	+	0	NA	Intergeni	SST1|Sate	-17967	NR_138103	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr13-177	42.78465	-0.83478	0.353706	-2.36008	0.018271	0.140125	chr13	17788904	17789141	+	0	NA	Intergeni	ALR/Alpha	-406275	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chrY-5685	18.51266	-1.24435	0.527393	-2.35943	0.018303	0.140125	chrY	56857473	56863652	+	0	NA	Intergeni	AluJo|SIN	-93693	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty	protein-coding
chr14-166	40.25817	-0.85773	0.363596	-2.35902	0.018323	0.140125	chr14	16608009	16609255	+	0	NA	Intergeni	ALR/Alpha	-1992485	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-104	18.07793	-1.27092	0.539172	-2.35716	0.018415	0.140513	chr21	10445731	10446365	+	0	NA	intron (N	MIR|SINE|	32516	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr14-168	45.86833	-0.80323	0.340952	-2.35585	0.01848	0.140558	chr14	16846281	16846550	+	0	NA	Intergeni	ALR/Alpha	-1754702	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-888	22.77917	-1.11763	0.474499	-2.35539	0.018503	0.140558	chr21	8883729	8886390	+	0	NA	Intergeni	AluJb|SIN	-101940	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr21-128	20.85545	-1.20152	0.510502	-2.35361	0.018592	0.140921	chr21	12809903	12810477	+	0	NA	Intergeni	ALR/Alpha	-227976	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr4-5011	15.75126	-1.3467	0.574539	-2.34397	0.01908	0.143829	chr4	50114287	50114786	+	0	NA	Intergeni	ALR/Alpha	1127894	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr22-148	20.71191	-1.17912	0.503221	-2.34315	0.019122	0.143829	chr22	14886259	14886543	+	0	NA	Intergeni	ALR/Alpha	-641758	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr9-4382	23.82504	-1.08994	0.465215	-2.34288	0.019136	0.143829	chr9	43822630	43822939	+	0	NA	Intergeni	ALR/Alpha	696618	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-119	54.23047	-0.74628	0.318553	-2.34272	0.019144	0.143829	chr21	11968854	11969152	+	0	NA	Intergeni	ALR/Alpha	-1069163	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-134	42.24699	-0.83294	0.356077	-2.33921	0.019325	0.144808	chr22	13488846	13490056	+	0	NA	Intergeni	ALR/Alpha	1592045	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-4340	24.28148	-1.07525	0.459797	-2.33853	0.01936	0.144808	chr9	43404711	43405154	+	0	NA	Intergeni	ALR/Alpha	278766	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1217	87.29527	-0.62697	0.268256	-2.33723	0.019427	0.144808	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	254351	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	98.91697	-0.57825	0.247441	-2.33693	0.019443	0.144808	chr10	40279734	40280266	+	0	NA	Intergeni	ALR/Alpha	1583404	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-174	33.70567	-0.93169	0.399117	-2.33438	0.019576	0.145482	chr14	17482020	17482529	+	0	NA	Intergeni	ALR/Alpha	-1118843	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-173	26.33267	-1.0664	0.45707	-2.33313	0.019642	0.145495	chr14	17381885	17382128	+	0	NA	Intergeni	ALR/Alpha	-1219111	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-178	16.20491	-1.32056	0.566427	-2.33139	0.019733	0.145495	chr13	17852455	17852993	+	0	NA	Intergeni	ALR/Alpha	-342573	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-112	45.39577	-0.80317	0.344541	-2.33114	0.019746	0.145495	chr21	11277654	11277976	+	0	NA	Intergeni	ALR/Alpha	756301	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr14-175	22.21422	-1.12801	0.4839	-2.33109	0.019749	0.145495	chr14	17597178	17597426	+	0	NA	Intergeni	ALR/Alpha	-1003815	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-104	16.186	-1.31353	0.563701	-2.3302	0.019796	0.145495	chr21	10461000	10461768	+	0	NA	intron (N	intron (N	47852	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr13-170	19.4473	-1.26061	0.541148	-2.3295	0.019832	0.145495	chr13	17050996	17051294	+	0	NA	Intergeni	ALR/Alpha	-1144152	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-167	33.51416	-0.91682	0.394241	-2.32554	0.020043	0.146727	chr13	16756975	16757804	+	0	NA	Intergeni	ALR/Alpha	-1437908	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-420	16.21049	-1.30994	0.563502	-2.32464	0.020091	0.146766	chr10	42099788	42103278	+	0	NA	Intergeni	Intergeni	266512	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-173	33.58484	-0.91442	0.393623	-2.32308	0.020175	0.147064	chr13	17340083	17340326	+	0	NA	Intergeni	ALR/Alpha	-855093	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-171	22.6378	-1.12537	0.484832	-2.32115	0.020279	0.147506	chr13	17123258	17123516	+	0	NA	Intergeni	ALR/Alpha	-1071910	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-167	33.68397	-0.93076	0.401451	-2.3185	0.020422	0.148234	chr14	16797128	16797331	+	0	NA	Intergeni	ALR/Alpha	-1803888	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-264	68.32238	-0.66348	0.286435	-2.31634	0.02054	0.148771	chr19	26485627	26485852	+	0	NA	Intergeni	ALR/Alpha	-1307692	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-5096	16.66414	-1.28585	0.555601	-2.31433	0.020649	0.149251	chr4	50966792	50967052	+	0	NA	Intergeni	ALR/Alpha	-876078	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr13-164	24.37666	-1.06944	0.462274	-2.31343	0.020699	0.149293	chr13	16488827	16489064	+	0	NA	Intergeni	ALR/Alpha	-1706352	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA

chr14-181	53.43836	-0.74438	0.322269	-2.30981	0.020899	0.150246	chr14	18137208	18137572	+	0	NA	Intergeni	ALR/Alpha	-463727	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr19-265	134.3893	-0.51151	0.221485	-2.30945	0.020919	0.150246	chr19	26528930	26529948	+	0	NA	Intergeni	ALR/Alpha	-1263992	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr4-4948	17.18568	-1.26317	0.547628	-2.30662	0.021076	0.151058	chr4	49489903	49492553	+	0	NA	Intergeni	L1MA5|LIN	504586	NM_001286	80157	Hs.479703	NM_025087	ENSG0000(	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1238	63.62119	-0.68611	0.298149	-2.30125	0.021378	0.152902	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2372290	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr14-172	27.2238	-0.99922	0.435575	-2.29402	0.02179	0.155523	chr14	17236303	17237784	+	0	NA	Intergeni	ALR/Alpha	-1364074	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr21-104	17.71281	-1.23231	0.537543	-2.29249	0.021877	0.155825	chr21	10467639	10468213	+	0	NA	intron (N	MIR|SINE|	-53588	NM_199259	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr13-173	38.92561	-0.85763	0.374491	-2.29013	0.022014	0.156473	chr13	17330020	17330328	+	0	NA	Intergeni	ALR/Alpha	-865123	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr8-4584	58.2186	-0.70695	0.308917	-2.28849	0.022109	0.156823	chr8	45840477	45840759	+	0	NA	Intergeni	ALR/Alpha	777025	NR_146077	389652		NR_146077	ENSG0000(	ASNSP1	ASNSL1	asparagir	pseudo
chr22-107	18.21265	-1.21118	0.530098	-2.28482	0.022323	0.158017	chr22	10736306	10739779	+	0	NA	Intergeni	L2|LINE|L	223487	NR_13232(	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr21-115	22.97341	-1.08443	0.475831	-2.27902	0.022666	0.16011	chr21	11528066	11528731	+	0	NA	Intergeni	ALR/Alpha	1006884	NM_19926(	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-118	36.64403	-0.86924	0.381772	-2.27685	0.022795	0.160694	chr22	11898762	11899230	+	0	NA	intron (N	intron (N	1590	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr5-4892	138.1332	-0.50082	0.22042	-2.27211	0.02308	0.162363	chr5	48929400	48930438	+	0	NA	Intergeni	ALR/Alpha	1511369	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr13-168	27.22937	-0.99287	0.439469	-2.25926	0.023867	0.167271	chr13	16859959	16860687	+	0	NA	Intergeni	ALR/Alpha	-1334974	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr20-274	61.97188	-0.67998	0.30099	-2.25914	0.023875	0.167271	chr20	27425468	27426193	+	0	NA	Intergeni	ALR/Alpha	1176835	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr21-912	23.1092	-1.08463	0.481007	-2.25491	0.024139	0.168777	chr21	9128188	9128456	+	0	NA	intron (N	MLT1H|LTR	1439	NR_038328	1E+08	Hs.487562	NM_174948	ENSG0000(	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr21-12(	26.48625	-0.99092	0.440143	-2.25136	0.024363	0.169691	chr21	12095898	12097528	+	0	NA	Intergeni	ALR/Alpha	-941453	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr17-269	19.19621	-1.1623	0.516288	-2.25126	0.024369	0.169691	chr17	26936136	26940956	+	0	NA	Intergeni	(GAATG)n|	150695	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr22-143	19.62537	-1.14925	0.512096	-2.24421	0.024819	0.171621	chr22	14376663	14380202	+	0	NA	Intergeni	ALR/Alpha	-1149727	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr22-133	19.62258	-1.15363	0.514082	-2.24406	0.024828	0.171621	chr22	13323846	13324518	+	0	NA	Intergeni	ALR/Alpha	1426776	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-4402	19.17451	-1.16082	0.517638	-2.24253	0.024927	0.171621	chr9	44028506	44028793	+	0	NA	Intergeni	ALR/Alpha	902483	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-937	20.69573	-1.11287	0.496477	-2.24154	0.024991	0.171621	chr21	9370768	9376997	+	0	NA	Intergeni	Intergeni	-169148	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr21-911	16.42923	-1.2544	0.559616	-2.24153	0.024992	0.171621	chr21	9111026	9114970	+	0	NA	intron (N	L1MB2|LIN	16763	NR_038328	1E+08	Hs.487562	NM_174948	ENSG0000(	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-28(	48.66426	-0.74914	0.334221	-2.24146	0.024996	0.171621	chr20	28077682	28077914	+	0	NA	Intergeni	ALR/Alpha	524867	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr20-28(	51.17184	-0.73327	0.327141	-2.24145	0.024997	0.171621	chr20	28022754	28023142	+	0	NA	Intergeni	ALR/Alpha	579717	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr5-4844	65.71182	-0.65161	0.291114	-2.23834	0.025199	0.172661	chr5	48449574	48449824	+	0	NA	Intergeni	ALR/Alpha	1991589	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr22-149	44.96276	-0.7859	0.351249	-2.23744	0.025258	0.17272	chr22	14941654	14942053	+	0	NA	Intergeni	ALR/Alpha	-586306	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr4-5047	33.17353	-0.89283	0.399591	-2.23436	0.025459	0.173467	chr4	50472252	50472624	+	0	NA	Intergeni	ALR/Alpha	-1370562	NM_015115	23142	Hs.605388	NM_015115	ENSG0000(	DCUN1D4	-	defective	protein-coding
chr18-207	20.64675	-1.11841	0.50058	-2.23423	0.025468	0.173467	chr18	20732904	20733200	+	0	NA	Intergeni	ALR/Alpha	378761	NM_005406	6093	Hs.306307	NM_005406	ENSG0000(	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr13-174	18.05516	-1.20993	0.541817	-2.2331	0.025543	0.173628	chr13	17492058	17492303	+	0	NA	Intergeni	ALR/Alpha	-703117	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr21-115	21.17108	-1.1008	0.493137	-2.23224	0.025599	0.173668	chr21	11516807	11517437	+	0	NA	Intergeni	ALR/Alpha	995608	NM_19926(	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr6-5892	174.7492	-0.44766	0.200775	-2.22965	0.025771	0.173942	chr6	58924121	58925151	+	0	NA	Intergeni	ALR/Alpha	-963190	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000(	LINC0068(	-	long inte	ncRNA
chr9-4352	20.24487	-1.12284	0.503744	-2.229	0.025814	0.173942	chr9	43521822	43522199	+	0	NA	Intergeni	ALR/Alpha	395844	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-107	21.71991	-1.0815	0.4852	-2.22897	0.025816	0.173942	chr22	10753451	10754456	+	0	NA	Intergeni	Intergeni	207576	NR_13232(	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr15-185	16.88567	-1.22761	0.55089	-2.22842	0.025852	0.173942	chr15	18540956	18541260	+	0	NA	Intergeni	ALR/Alpha	-1741636	NR_038836	646096	Hs.448789	NR_038836	ENSG0000(	CHEK2P2	-	checkpoir	pseudo
chr5-4852	29.95011	-0.92417	0.414924	-2.22734	0.025925	0.173942	chr5	48529008	48529213	+	0	NA	Intergeni	ALR/Alpha	1912178	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr19-255	149.2027	-0.49798	0.223675	-2.22634	0.025991	0.173942	chr19	25506889	25507124	+	0	NA	Intergeni	ALR/Alpha	-1343559	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr14-18(	40.66897	-0.80865	0.363229	-2.22629	0.025995	0.173942	chr14	18007663	18007927	+	0	NA	Intergeni	ALR/Alpha	-593322	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr10-418	16.88846	-1.22258	0.549678	-2.22418	0.026137	0.17407	chr10	41870822	41873430	+	0	NA	Intergeni	(ATGGA)n|	495919	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr14-16(	25.84504	-1.00683	0.452914	-2.22302	0.026215	0.17407	chr14	16611108	16611332	+	0	NA	Intergeni	ALR/Alpha	-1989897	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr21-114	61.65574	-0.66535	0.299377	-2.22245	0.026253	0.17407	chr21	11472272	11472662	+	0	NA	Intergeni	ALR/Alpha	950953	NM_19926(	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-149	22.22254	-1.06442	0.479156	-2.22145	0.02632	0.17407	chr22	14948496	14948970	+	0	NA	Intergeni	ALR/Alpha	-579426	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr10-411	35.88757	-0.85739	0.385982	-2.22131	0.02633	0.17407	chr10	41140176	41140395	+	0	NA	Intergeni	ALR/Alpha	1227760	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr22-133	29.04281	-0.93666	0.421762	-2.22083	0.026362	0.17407	chr22	13373646	13373936	+	0	NA	Intergeni	ALR/Alpha	1476385	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr14-181	21.70099	-1.0763	0.484662	-2.22072	0.02637	0.17407	chr14	18141181	18141766	+	0	NA	Intergeni	ALR/Alpha	-459644	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-149	17.41	-1.20241	0.541643	-2.21993	0.026423	0.174089	chr22	14983930	14984689	+	0	NA	Intergeni	ALR/Alpha	-543850	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr5-4798	78.57587	-0.59906	0.270239	-2.21679	0.026637	0.175162	chr5	47981076	47984100	+	0	NA	Intergeni	ALR/Alpha	-2286208	NM_021072	348980	Hs.353176	NM_021072	ENSG0000(	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-415	35.70559	-0.85777	0.387168	-2.2155	0.026726	0.175248	chr10	41502836	41503108	+	0	NA	Intergeni	ALR/Alpha	865073	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr19-264	147.3858	-0.47258	0.213346	-2.21511	0.026753	0.175248	chr19	26439881	26440183	+	0	NA	Intergeni	ALR/Alpha	-1353399	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr8-120(	16.99696	-1.23088	0.555958	-2.21398	0.02683	0.175419	chr8	1206347	1206572	+	0	NA	intron (N	intron (N	96148	NR_111948	286083	Hs.382131	NR_033895	ENSG0000(	LOC286083	-	uncharact	ncRNA
chr21-121	32.43598	-0.88387	0.399917	-2.21013	0.027096	0.176401	chr21	12168528	12170203	+	0	NA	Intergeni	ALR/Alpha	-868801	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr14-165	21.10877	-1.09275	0.494547	-2.2096	0.027133	0.176401	chr14	16505245	16505542	+	0	NA	Intergeni	ALR/Alpha	-2095724	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr17-254	227.1217	-0.4178	0.189087	-2.20958	0.027135	0.176401	chr17	25493939	25494288	+	0	NA	Intergeni	ALR/Alpha	1595128	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-104	17.91263	-1.17724	0.533084	-2.20835	0.02722	0.17662	chr21	10415177	10416177	+	0	NA	intron (N	AluSx|SIN	2145	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr19-255	76.04102	-0.60655	0.274971	-2.20585	0.027394	0.177416	chr19	25580572	25583609	+	0	NA	Intergeni	ALR/Alpha	-1418643	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr21-115	44.44395	-0.76248	0.346025	-2.20353	0.027557	0.178012	chr21	11588522	11588894	+	0	NA	Intergeni	ALR/Alpha	1067194	NM_19926(	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-134	24.22469	-1.01409	0.460373	-2.20276	0.027611	0.178012	chr22	13480183	13480425	+	0	NA	Intergeni	ALR/Alpha	1582898	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-40(	74.60939	-0.60812	0.276127	-2.20233	0.027642	0.178012	chr10	40614725	40615927	+	0	NA	Intergeni	ALR/Alpha	1752719	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr14-167	44.73063	-0.77105	0.350422	-2.20033	0.027783	0.178585	chr14	16770023	16770275	+	0	NA	Intergeni	ALR/Alpha	-1830968	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-148	23.15991	-1.03255	0.470039	-2.19674	0.028039	0.178934	chr22	14858702	14859055	+	0	NA	Intergeni	ALR/Alpha	-669281	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr19-271	174.0719	-0.45226	0.205887	-2.19666	0.028045	0.178934	chr19	27163008	27163277	+	0	NA	Intergeni	ALR/Alpha	-630289	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr21-12(	17.86923	-1.17412	0.534586	-2.19632	0.028069	0.178934	chr21	12041331	12042495	+	0	NA	Intergeni	ALR/Alpha	-996253	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr1-2682	18.36628	-1.15974	0.528079	-2.19614	0.028082	0.178934	chr1	2682379	2684484	+	0	NA	intron (N	intron (N	-50415	NM_033467	79258	Hs.591453	NM_033467	ENSG0000(	MMEL1	MMEL2|NEF	membrane	protein-coding
chr14-171	39.86075	-0.80192	0.365305	-2.1952	0.028149	0.178934	chr14	17151364	17151772	+	0	NA	Intergeni	ALR/Alpha	-1449549	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-141	24.18408	-1.00822	0.459365	-2.19482	0.028177	0.178934	chr22	14178168	14178431	+	0	NA	Intergeni	ALR/Alpha	-1349860	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr1-1242	99.98957	-0.53998	0.246066	-2.19445	0.028203	0.178934	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2778494	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr5-4897	79.86498	-0.58958	0.269027	-2.19152	0.028414	0.17994	chr5	48970156	48970409	+	0	NA	Intergeni	ALR/Alpha	1471006	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr13-175	52.15534	-0.70536	0.322004	-2.19052	0.028487	0.180066	chr13	17517804	17518569	+	0	NA	Intergeni	ALR/Alpha	-677111	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr8-8578	18.93959	-1.13275	0.518472	-2.18478	0.028905	0.182372	chr8	85783852	85787177	+	0	NA	Intergeni	Intergeni	5854	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-267	25.29506	-0.9906	0.453646	-2.18364	0.028988	0.182563	chr20	26774077	26774288	+	0	NA	Intergeni	ALR/Alpha	-564949	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AH(	-	MIR663A h	ncRNA
chr5-480(	107.8019	-0.55305	0.253544	-2.18126	0.029164	0.183333	chr5	48001520	48001806	+	0	NA	Intergeni	ALR/Alpha	-2305283	NM_021072	348980	Hs.353176	NM_021072	ENSG0000(	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-492(	19.89308	-1.10158	0.506033	-2.17689	0.029489	0.184239	chr4	49269815	49271643	+	0	NA	Intergeni	Intergeni	284087	NM_001286	80157	Hs.479703	NM_025087	ENSG0000(	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1234	133.6074	-0.50753	0.233185	-2.1765	0.029518	0.184239	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1947874	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr21-12(	26.11834	-0.9664	0.444138	-2.17591	0.029562	0.184239	chr21	12657511	12658626	+	0	NA	Intergeni	ALR/Alpha	-380098	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr9-4476	50.24836	-0.71147	0.327024	-2.17559	0.029586	0.184239	chr9	44763980	44764308	+	0	NA	Intergeni	ALR/Alpha	1637978	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-168	41.5562	-0.78127	0.359152	-2.17531	0.029607	0.184239	chr14	16858653	16858953	+	0	NA	Intergeni	ALR/Alpha	-1742314	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr20-272	23.06752	-1.03489	0.47592	-2.17451	0.029667	0.184239	chr20	27299996	27300516	+	0	NA	Intergeni	ALR/Alpha	-1091023	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AH(	-	MIR663A h	ncRNA
chr20-298	22.79864	-1.04066	0.478623	-2.17427	0.029685	0.184239	chr20	29883581	29884215	+	0	NA	Intergeni	Intergeni	-3435	NR_039688	1.01E+08		NR_039688	ENSG0000(	MIR4477A	-	microRNA	ncRNA
chr17-259	738.6831	-0.31212	0.143824	-2.17013	0.029997	0.185842	chr17	25920064	25920376	+	0	NA	Intergeni	ALR/Alpha	1169021	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-16(	47.09958	-0.73184	0.337576	-2.16792	0.030165	0.186544	chr13	16657915	16658567	+	0	NA	Intergeni	ALR/Alpha	-1537056	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr22-147	31.17411	-0.88191	0.406967	-2.16703	0.030233	0.186626	chr22	14791963	14792327	+	0	NA	Intergeni	ALR/Alpha	-736014	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-273	56.8866	-0.67244	0.310585	-2.16509	0.030381	0.187205	chr20	27350563	27351268	+	0	NA	Intergeni	ALR/Alpha	-1141682	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AH(	-	MIR663A h	ncRNA
chr21-12(	39.39097	-0.79966	0.369547	-2.16389	0.030473	0.187433	chr21	12653479	12653725	+	0	NA	Intergeni	ALR/Alpha	-384564	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr1-1227	155.8014	-0.45751	0.211646	-2.16169	0.030642	0.187616	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1222504	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr22-149	30.72325	-0.88432	0.409422	-2.15993	0.030778	0.187616	chr22	14956406	14956620	+	0	NA	Intergeni	ALR/Alpha	-571646	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-273	19.48842	-1.11017	0.514161	-2.15919	0.030836	0.187616	chr20	27383064	27383287	+	0	NA	Intergeni	ALR/Alpha	-1173942	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AH(	-	MIR663A h	ncRNA
chr19-248	74.3227	-0.60268	0.279146	-2.15902	0.030848	0.187616	chr19	24893004	24893299	+	0	NA	Intergeni	ALR/Alpha	-729704	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr12-358	19.51012	-1.11162	0.514937	-2.15874	0.03087	0.187616	chr12	35832113	35832618	+	0	NA	Intergeni	ALR/Alpha	1809869	NM_032834	84920	Hs.102971	NM_032834	ENSG0000(	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chrY-5682	21.3954	-1.05489	0.488661	-2.15874	0.030871	0.187616	chrY	56828756	56837110	+	0	NA	Intergeni	Intergeni	-121322	NM_00584(	10251	Hs.381912	NM_00584(	ENSG0000(	SPRY3	spry-3	sprouty F	protein-coding
chr14-179	36.14028	-0.82078	0.380248	-2.15854	0.030886	0.187616	chr14	17911110	17911452	+	0	NA	Intergeni	ALR/Alpha	-689836	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-147	29.6039	-0.90314	0.418618	-2.15744	0.030972	0.187699	chr22	14710529	14711535	+	0	NA	Intergeni	ALR/Alpha	-817127	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr21-127	32.13318	-0.86609	0.401535	-2.15695	0.031009	0.187699	chr21	12791891	12793395	+	0	NA	Intergeni	ALR/Alpha	-245523	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr22-118	21.46329	-1.05497	0.489427	-2.15553	0.031121	0.187734	chr22	11877252	11882220	+	0	NA	Intergeni	Intergeni	-17670	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-122	32.60853	-0.86245	0.400129	-2.15544	0.031128	0.187734	chr21	12204639	12204901	+	0	NA	Intergeni	ALR/Alpha	-833396	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr20-303	15.53699	-1.24518	0.577871	-2.15477	0.03118	0.187734	chr20	30377523	30377723	+	0	NA	intron (N	CpG	459	NR_145491	284802	Hs.653099	NM_207350		FRG1BP	C20orf80|	FSHD regi	pseudo
chr19-254	110.0544	-0.50939	0.236477	-2.15408	0.031234	0.187734	chr19	25439311	25439577	+	0	NA	Intergeni	ALR/Alpha	-1275997	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr9-4349	16.06132	-1.21721	0.565418	-2.15276	0.031337	0.187945	chr9	43497208	43498051	+	0	NA	Intergeni	ALR/Alpha	371463	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-115	45.04286	-0.74908	0.34805	-2.15221	0.031381	0.187945	chr21	11522468	11523122	+	0	NA	Intergeni	ALR/Alpha	1001281	NM_19926(	7179	Hs.12298(	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-928	16.63184	-1.18941	0.552819	-2.15154	0.031434	0.187945	chr21	9280690	9281275	+	0	NA	Intergeni	Intergeni	-151221	NR_038327	1E+08	Hs.487562	NM_174948	ENSG0000(	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr14-175	41.05362	-0.81164	0.377441	-2.15039	0.031525	0.188159	chr14	17512003	17512256	+	0	NA	Intergeni	ALR/Alpha	-1088988	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr7-604(	21.46887	-1.04709	0.487725	-2.14687	0.031803	0.189492	chr7	60468932	60469144	+	0	NA	Intergeni	ALR/Alpha	2835018	NR_003952	643955	Hs.583308	NR_003952	ENSG0000(	ZNF733P	ZNF733	zinc fing	pseudo
chr12-352	16.65633	-1.186	0.552719	-2.14576	0.031892	0.189693	chr12	35286183	35286475	+	0	NA	Intergeni	ALR/Alpha	1263833	NM_032834	84920	Hs.102971	NM_032834	ENSG0000(	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr14-178	30.10932	-0.89108	0.415787	-2.14311	0.032104	0.190116	chr14	17829739	17830709	+	0	NA	Intergeni	ALR/Alpha	-770893	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr21-128	22.42515	-1.02001	0.476024	-2.14278	0.032131	0.190116	chr21	12883447	12884050	+	0	NA	Intergeni	ALR/Alpha	-154418	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr22-119	22.92499	-1.00867	0.470857	-2.14219	0.032178	0.190116	chr22	11927810	11934438	+	0	NA	intron (N	intron (N	33718	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-4368	29.55213	-0.9099	0.424816	-2.14186	0.032205	0.190116	chr9	43680445	43680928	+	0	NA	Intergeni	ALR/Alpha	554520	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-175	21.83014	-1.03823	0.484835	-2.14141	0.032241	0.190116	chr14	17505379	17506111	+	0	NA	Intergeni	ALR/Alpha	-1095372	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-137	23.42204	-1.00146	0.467941	-2.14013	0.032344	0.190396	chr22	13769329	13769787	+	0	NA	Intergeni	ALR/Alpha	-1758601	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chrY-1129	23.40313	-0.99661	0.466072	-2.13832	0.032491	0.190844	chrY	11292237	11295924	+	0	NA	Intergeni	(TCCAT)n|	1127510	NR_033667	352887	Hs.546221	NR_033667	ENSG0000(	GYG2P1	GYG2P	glycogeni	pseudo
chr10-40(	35.04542	-0.83316	0.389723	-2.13782	0.032531	0.190844	chr10	40046578	40046837	+	0	NA	Intergeni	ALR/Alpha	1350111	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr18-15(	21.33308	-1.04693	0.490666	-2.13369	0.032868	0.19249	chr18	15693226	15693642	+	0	NA	Intergeni	ALR/Alpha	-367515	NR_027417	644669	Hs.579474	NR_027417	ENSG0000(	LOC644669	-	ankyrin r	pseudo
chr19-25(	96.95659	-0.53462	0.250764	-2.13197	0.033009	0.192985	chr19	25050243	25051420	+	0	NA	Intergeni	ALR/Alpha	-887384	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr14-172	23.90576	-0.98279	0.461203	-2.13093	0.033095	0.193158	chr14	17201207	17202992	+	0	NA	Intergeni	ALR/Alpha	-1399018	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr10-399	58.65663	-0.65454	0.307656	-2.12752	0.033377	0.194285	chr10	39985482	39987425	+	0	NA	Intergeni	ALR/Alpha	1289857	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr22-139	17.04209	-1.16694	0.548832	-2.12621	0.033485	0.194285	chr22	13984499	13984899	+	0	NA	Intergeni	ALR/Alpha	-1543460	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr19-265	67.89661	-0.6198	0.291648	-2.12516	0.033573	0.194285	chr19	26569618	26569912	+	0	NA	Intergeni	ALR/Alpha	-1223666	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chrY-1128	24.4952	-0.97432	0.458519	-2.12494	0.033592	0.194285	chrY	11281393	11282769	+	0	NA	Intergeni	MER5A|DNA	1139509	NR_033667	352887	Hs.546221	NR_033667	ENSG0000(	GYG2P1	GYG2P	glycogeni	pseudo
chr14-167	29.65846	-0.89366	0.420663	-2.12441	0.033636	0.194285	chr14	16703699	16703931	+	0	NA	Intergeni	ALR/Alpha	-1897302	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr21-934	18.15865	-1.12268	0.528919	-2.1226	0.033788	0.194285	chr21	9348981	9352271	+	0	NA	Intergeni	L1MB2|LIN	-192404	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr22-14(	36.60508	-0.80807	0.380701	-2.12257	0.03379	0.194285	chr22	14032178	14032537	+	0	NA	Intergeni	ALR/Alpha	-1495802	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr14-181	16.37528	-1.22744	0.578556	-2.12156	0.033874	0.194285	chr14	18173240	18173459	+	0	NA	Intergeni	ALR/Alpha	-427768	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr22-135	18.13695	-1.12113	0.528501	-2.12135	0.033893	0.194285	chr22	13511795	13512063	+	0	NA	Intergeni	ALR/Alpha	1614523	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-121	26.91039	-0.92363	0.435739	-2.11969	0.034032	0.194285	chr21	12145536	12145767	+	0	NA	Intergeni	ALR/Alpha	-892515	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr20-26(	26.36157	-0.93561	0.441568	-2.11883	0.034105	0.194285	chr20	26659015	26662453	+	0	NA	Intergeni	ALR/Alpha	-451501	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AH(	-	MIR663A h	ncRNA

chr7-5879	239.5871	-0.38882	0.183538	-2.11848	0.034134	0.194285	chr7	58797682	58798052	+	0	NA	Intergeni	ALR/Alpha	1347690	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-266	26.9293	-0.92789	0.438056	-2.11819	0.034159	0.194285	chr20	26682528	26683157	+	0	NA	Intergeni	ALR/Alpha	-473609	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-165	23.81338	-0.98499	0.465035	-2.1181	0.034167	0.194285	chr13	16563719	16563999	+	0	NA	Intergeni	ALR/Alpha	-1631438	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-260	66.1282	-0.62074	0.293089	-2.11793	0.034181	0.194285	chr19	26049087	26049338	+	0	NA	Intergeni	ALR/Alpha	-1744219	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-177	24.31322	-0.97516	0.460518	-2.11753	0.034215	0.194285	chr14	17709765	17709966	+	0	NA	Intergeni	ALR/Alpha	-891252	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-104	18.63679	-1.10404	0.521491	-2.11709	0.034252	0.194285	chr21	10429411	10432892	+	0	NA	intron (N	AluSq2|SI	17619	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr21-114	42.39555	-0.75118	0.355143	-2.11515	0.034417	0.194899	chr21	11493506	11493852	+	0	NA	Intergeni	ALR/Alpha	972165	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1238	26.91318	-0.92052	0.435454	-2.11393	0.034522	0.195167	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2292340	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-171	38.39124	-0.77903	0.369094	-2.11066	0.034801	0.196216	chr13	17173198	17174274	+	0	NA	Intergeni	ALR/Alpha	-1021561	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-143	43.40918	-0.73617	0.348824	-2.11043	0.034822	0.196216	chr22	14392811	14393034	+	0	NA	Intergeni	ALR/Alpha	-1135237	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1245	71.02922	-0.59304	0.281459	-2.10702	0.035116	0.197059	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2995393	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-178	19.03756	-1.1202	0.531656	-2.107	0.035118	0.197059	chr13	17855578	17856028	+	0	NA	Intergeni	ALR/Alpha	-339494	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr3-9244	23.84841	-0.9985	0.474011	-2.10649	0.035162	0.197059	chr3	92448223	92448696	+	0	NA	Intergeni	ALR/Alpha	1525622	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr3-9155	33.66495	-0.86341	0.409968	-2.10603	0.035202	0.197059	chr3	91552654	91553217	+	0	NA	Intergeni	ALR/Alpha	2421146	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr14-180	30.8496	-0.86244	0.409693	-2.10508	0.035285	0.197202	chr14	18049613	18050998	+	0	NA	Intergeni	ALR/Alpha	-550812	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-164	39.85294	-0.76369	0.36294	-2.10418	0.035363	0.197319	chr13	16485731	16487008	+	0	NA	Intergeni	ALR/Alpha	-1708928	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-166	18.54719	-1.10252	0.524831	-2.10071	0.035667	0.198182	chr14	16699638	16699884	+	0	NA	Intergeni	ALR/Alpha	-1901356	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4886	36.36738	-0.79455	0.378262	-2.10053	0.035682	0.198182	chr5	48867704	48868028	+	0	NA	Intergeni	ALR/Alpha	1573422	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-141	27.29615	-0.91695	0.436556	-2.10043	0.035691	0.198182	chr22	14117129	14118594	+	0	NA	Intergeni	ALR/Alpha	-1410298	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr19-250	18.6991	-1.11336	0.530467	-2.09883	0.035832	0.198262	chr19	25072928	25073166	+	0	NA	Intergeni	ALR/Alpha	-909600	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-136	43.84392	-0.73164	0.34865	-2.09849	0.035862	0.198262	chr22	13650829	13651070	+	0	NA	Intergeni	ALR/Alpha	1753543	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr13-176	30.32248	-0.87276	0.415938	-2.09829	0.035879	0.198262	chr13	17659737	17660072	+	0	NA	Intergeni	ALR/Alpha	-535393	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr12-363	25.8456	-0.93616	0.446656	-2.09594	0.036088	0.199094	chr12	36335879	36336119	+	0	NA	Intergeni	ALR/Alpha	-1980775	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr16-369	17.99837	-1.12591	0.537984	-2.09283	0.036364	0.200296	chr16	36909729	36909965	+	0	NA	Intergeni	ALR/Alpha	1163295	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr13-165	20.59554	-1.03786	0.496208	-2.09157	0.036477	0.200594	chr13	16513501	16516676	+	0	NA	Intergeni	ALR/Alpha	-1680209	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-172	35.00364	-0.80662	0.38646	-2.08721	0.036869	0.202427	chr13	17202265	17202571	+	0	NA	Intergeni	ALR/Alpha	-992879	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-118	20.70963	-1.03665	0.497751	-2.08267	0.037281	0.20406	chr22	11883134	11884177	+	0	NA	Intergeni	Intergeni	-13751	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-269	83.35003	-0.55237	0.265226	-2.08262	0.037286	0.20406	chr19	26951168	26951397	+	0	NA	Intergeni	ALR/Alpha	-842149	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-8983	15.85368	-1.17518	0.565143	-2.07943	0.037578	0.204644	chr2	89832331	89834076	+	0	NA	Intergeni	(ATTCC)n|	-195296	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr21-936	22.12234	-0.99509	0.478583	-2.07925	0.037594	0.204644	chr21	9363212	9369930	+	0	NA	Intergeni	Intergeni	-176459	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr10-401	134.2779	-0.45663	0.219646	-2.07892	0.037625	0.204644	chr10	40135042	40135926	+	0	NA	Intergeni	ALR/Alpha	1438888	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-274	15.8264	-1.18416	0.569674	-2.07866	0.037649	0.204644	chr20	27421924	27422179	+	0	NA	Intergeni	ALR/Alpha	1180614	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-122	53.16117	-0.6656	0.320279	-2.0782	0.037691	0.204644	chr21	12245149	12245414	+	0	NA	Intergeni	ALR/Alpha	-792885	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-140	21.57631	-1.00772	0.485071	-2.07748	0.037758	0.20468	chr22	14009075	14009812	+	0	NA	Intergeni	ALR/Alpha	-1518716	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1241	135.483	-0.45788	0.22065	-2.07514	0.037974	0.205526	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2604873	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-8578	16.33182	-1.15203	0.5563	-2.07089	0.038369	0.207127	chr8	85789728	85795306	+	0	NA	Intergeni	Intergeni	-1149	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr12-355	16.35074	-1.15895	0.559702	-2.07066	0.03839	0.207127	chr12	35503210	35503799	+	0	NA	Intergeni	ALR/Alpha	1481008	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4917	37.97045	-0.77359	0.373966	-2.06861	0.038583	0.207259	chr5	49173292	49173501	+	0	NA	Intergeni	ALR/Alpha	1267892	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-141	23.17101	-0.96914	0.468519	-2.06852	0.038592	0.207259	chr22	14172209	14172480	+	0	NA	Intergeni	ALR/Alpha	-1355815	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-173	21.5791	-1.00384	0.485449	-2.06786	0.038653	0.207259	chr14	17379948	17380930	+	0	NA	Intergeni	ALR/Alpha	-1220678	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr7-5806	23.64915	-0.95812	0.46335	-2.06782	0.038657	0.207259	chr7	58067483	58067724	+	0	NA	Intergeni	Intergeni	617426	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1239	118.7895	-0.48748	0.236253	-2.0634	0.039075	0.209019	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2429015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-169	25.15146	-0.92799	0.450112	-2.06169	0.039237	0.209019	chr13	16930416	16930780	+	0	NA	Intergeni	ALR/Alpha	-1264699	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-418	24.19239	-0.95125	0.461546	-2.061	0.039303	0.209019	chr10	41843480	41844321	+	0	NA	Intergeni	Intergeni	524145	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr17-263	71.06039	-0.58684	0.284814	-2.06044	0.039357	0.209019	chr17	26398434	26398681	+	0	NA	Intergeni	ALR/Alpha	690684	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr22-141	25.60511	-0.92086	0.447001	-2.06008	0.03939	0.209019	chr22	14146208	14146635	+	0	NA	Intergeni	ALR/Alpha	-1381738	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4942	249.8001	-0.38695	0.187847	-2.0599	0.039408	0.209019	chr5	49423219	49423481	+	0	NA	Intergeni	ALR/Alpha	1017938	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-115	15.78858	-1.16989	0.568124	-2.05922	0.039473	0.209019	chr21	11500999	11501215	+	0	NA	Intergeni	ALR/Alpha	979593	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-145	54.31945	-0.65974	0.320441	-2.05885	0.039508	0.209019	chr22	14520915	14521648	+	0	NA	Intergeni	ALR/Alpha	-1006878	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1241	26.15394	-0.90887	0.441707	-2.05763	0.039626	0.209019	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2669980	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-9271	37.58859	-0.76674	0.372854	-2.0564	0.039744	0.209019	chr4	9271639	9272707	+	0	NA	Intergeni	Intergeni	4554	NM_001256	1E+08	Hs.722783	NM_001256	ENSG00000	USP17L20	-	ubiquitin	protein-coding
chr9-4358	26.58588	-0.90127	0.438535	-2.05519	0.03986	0.209019	chr9	43585604	43586101	+	0	NA	Intergeni	ALR/Alpha	459686	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-119	39.66701	-0.74622	0.363179	-2.0547	0.039908	0.209019	chr21	11984154	11984419	+	0	NA	Intergeni	ALR/Alpha	-1053880	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-155	17.30702	-1.11666	0.544296	-2.05157	0.040212	0.209019	chr22	15553762	15554114	+	0	NA	Intergeni	CpG	25779	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr16-328	22.65226	-0.97438	0.474981	-2.05142	0.040226	0.209019	chr16	32832581	32833129	+	0	NA	Intergeni	LTR49|LTR	52287	NR_003083	386757	Hs.433146	NM_198857	ENSG00000	SLC6A10P	CT-2|CT2|	solute ca	pseudo
chr21-122	26.56418	-0.90017	0.438834	-2.05127	0.04024	0.209019	chr21	12251428	12253347	+	0	NA	Intergeni	ALR/Alpha	-785779	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4956	170.3158	-0.42006	0.204959	-2.04948	0.040416	0.209019	chr5	49563503	49563771	+	0	NA	Intergeni	ALR/Alpha	877651	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-115	24.58652	-0.93292	0.455223	-2.04936	0.040427	0.209019	chr21	11554606	11555723	+	0	NA	Intergeni	ALR/Alpha	1033650	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr10-415	34.64628	-0.79777	0.389409	-2.04866	0.040495	0.209019	chr10	41516279	41517647	+	0	NA	Intergeni	ALR/Alpha	851082	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-119	30.62026	-0.83831	0.409202	-2.04866	0.040496	0.209019	chr21	11952212	11952439	+	0	NA	Intergeni	ALR/Alpha	-1085841	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr14-175	26.03985	-0.90967	0.44409	-2.0484	0.040521	0.209019	chr14	17509122	17511040	+	0	NA	Intergeni	ALR/Alpha	-1091036	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-149	32.16877	-0.8201	0.400443	-2.04799	0.040561	0.209019	chr22	14930422	14931804	+	0	NA	Intergeni	ALR/Alpha	-597046	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-265	49.31824	-0.67436	0.329324	-2.04772	0.040587	0.209019	chr20	26522983	26523521	+	0	NA	Intergeni	ALR/Alpha	-314019	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-123	16.24223	-1.15037	0.562176	-2.04628	0.040729	0.209019	chr21	12356655	12356858	+	0	NA	Intergeni	ALR/Alpha	-681410	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr10-407	35.54024	-0.78338	0.383031	-2.04521	0.040834	0.209019	chr10	40755991	40756679	+	0	NA	Intergeni	ALR/Alpha	1611710	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-121	20.6501	-1.02419	0.500842	-2.04493	0.040861	0.209019	chr21	12135201	12135452	+	0	NA	Intergeni	ALR/Alpha	-902840	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-122	34.53498	-0.79579	0.389183	-2.04477	0.040877	0.209019	chr21	12224319	12224829	+	0	NA	Intergeni	ALR/Alpha	-813592	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-143	32.55174	-0.81868	0.400399	-2.04465	0.040889	0.209019	chr22	14307093	14308743	+	0	NA	Intergeni	ALR/Alpha	-1220241	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr4-1397	28.04479	-0.87558	0.428237	-2.04463	0.040891	0.209019	chr4	1397570	1398362	+	0	NA	Intergeni	Intergeni	8476	NM_001290	54729	Hs.526396	NM_001290	ENSG00000	NKX1-1	HSPX153|N	NK1 homeo	protein-coding
chr14-167	30.04974	-0.84622	0.414154	-2.04324	0.041028	0.209019	chr14	16710518	16710718	+	0	NA	Intergeni	ALR/Alpha	-1890499	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-142	15.71232	-1.18647	0.580739	-2.04303	0.04105	0.209019	chr22	14219266	14219491	+	0	NA	Intergeni	ALR/Alpha	-1308781	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-414	83.7619	-0.54096	0.264855	-2.0425	0.041102	0.209019	chr10	41405800	41407009	+	0	NA	Intergeni	ALR/Alpha	961641	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4745	98.98932	-0.50364	0.246627	-2.04209	0.041142	0.209019	chr5	47450746	47451920	+	0	NA	Intergeni	ALR/Alpha	-1754953	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-277	32.04911	-0.82597	0.404493	-2.04199	0.041153	0.209019	chr20	27774184	27775182	+	0	NA	Intergeni	ALR/Alpha	827982	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-4405	26.07767	-0.91862	0.44994	-2.04166	0.041186	0.209019	chr9	44059053	44059615	+	0	NA	Intergeni	ALR/Alpha	933168	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-4553	29.68847	-0.8493	0.416099	-2.0411	0.041241	0.209019	chr8	45530383	45530812	+	0	NA	Intergeni	ALR/Alpha	1087046	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr21-935	18.33677	-1.07011	0.524431	-2.04051	0.0413	0.209019	chr21	9353088	9357402	+	0	NA	Intergeni	AluJb|SIN	-187785	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr13-170	30.04416	-0.8519	0.41752	-2.04038	0.041312	0.209019	chr13	17000692	17001118	+	0	NA	Intergeni	ALR/Alpha	-1194392	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-408	34.06242	-0.79572	0.390064	-2.03996	0.041354	0.209019	chr10	40835166	40835661	+	0	NA	Intergeni	ALR/Alpha	1532632	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-174	29.02278	-0.86227	0.422709	-2.03986	0.041364	0.209019	chr13	17401525	17404246	+	0	NA	Intergeni	ALR/Alpha	-792412	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4962	143.8044	-0.46673	0.228933	-2.03873	0.041477	0.209279	chr5	49622367	49624392	+	0	NA	Intergeni	ALR/Alpha	817909	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-268	17.81523	-1.08479	0.532552	-2.03696	0.041654	0.209861	chr20	26854958	26855280	+	0	NA	Intergeni	ALR/Alpha	-645886	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4964	175.6597	-0.44729	0.219696	-2.03596	0.041755	0.210061	chr5	49642194	49646219	+	0	NA	Intergeni	ALR/Alpha	797082	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-116	44.90485	-0.71126	0.349535	-2.03487	0.041863	0.2103	chr21	11600952	11601226	+	0	NA	Intergeni	ALR/Alpha	1079575	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-264	72.28439	-0.57522	0.282871	-2.03351	0.042001	0.210682	chr20	26483029	26483705	+	0	NA	Intergeni	ALR/Alpha	-274134	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-194	18.8828	-1.05336	0.518174	-2.03283	0.04207	0.210718	chr14	19408521	19408810	+	0	NA	intron (N	AluSx|SIN	-12361	NR_110504	1.02E+08	Hs.96459	NR_110504	ENSG00000	LOC101929	-	uncharact	ncRNA
chr20-291	19.33645	-1.04033	0.512071	-2.03161	0.042193	0.21085	chr20	29118373	29120946	+	0	NA	Intergeni	LTR53-int	39269	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr6-5934	19.31475	-1.03885	0.511649	-2.03039	0.042317	0.21085	chr6	59346775	59347258	+	0	NA	Intergeni	ALR/Alpha	-1385570	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-170	18.33956	-1.06555	0.524845	-2.03021	0.042335	0.21085	chr14	17060820	17061040	+	0	NA	Intergeni	ALR/Alpha	-1540187	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-887	19.36094	-1.03747	0.511032	-2.03014	0.042342	0.21085	chr21	8871411	8873087	+	0	NA	Intergeni	AluJr|SIN	-114750	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr21-930	19.33924	-1.03599	0.510611	-2.02893	0.042465	0.21085	chr21	9300424	9316258	+	0	NA	Intergeni	LTR49-int	-178580	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr22-137	19.33924	-1.03599	0.510611	-2.02893	0.042465	0.21085	chr22	13759355	13760879	+	0	NA	Intergeni	ALR/Alpha	-1768042	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-270	46.77005	-0.68438	0.337488	-2.02786	0.042575	0.211086	chr20	27025796	27026124	+	0	NA	Intergeni	ALR/Alpha	-816727	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr8-8582	18.76872	-1.05473	0.520293	-2.02717	0.042645	0.211128	chr8	85826310	85828605	+	0	NA	non-codin	non-codin	485	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr13-167	34.22549	-0.79206	0.390919	-2.02614	0.04275	0.211345	chr13	16782299	16782538	+	0	NA	Intergeni	ALR/Alpha	-1412879	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-171	43.80325	-0.70421	0.347693	-2.02539	0.042827	0.211422	chr13	17171713	17171955	+	0	NA	Intergeni	ALR/Alpha	-1023463	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-143	33.15628	-0.8261	0.408253	-2.0235	0.043022	0.212076	chr22	14364850	14365076	+	0	NA	Intergeni	ALR/Alpha	-1163196	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr22-146	20.31722	-1.00817	0.498826	-2.02109	0.04327	0.212993	chr22	14648181	14648380	+	0	NA	Intergeni	ALR/Alpha	-879879	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr13-173	31.56042	-0.82005	0.405893	-2.02037	0.043345	0.213058	chr13	17335012	17335293	+	0	NA	Intergeni	ALR/Alpha	-860145	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-267	72.00776	-0.56741	0.281007	-2.0192	0.043467	0.213292	chr19	26714344	26715327	+	0	NA	Intergeni	ALR/Alpha	-1078596	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1246	58.32548	-0.63171	0.312927	-2.01871	0.043518	0.213292	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3162672	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-420	19.77119	-1.02234	0.506692	-2.01767	0.043626	0.213355	chr10	42093916	42094921	+	0	NA	Intergeni	Intergeni	273627	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr14-172	41.41818	-0.7397	0.366735	-2.017	0.043696	0.213355	chr14	17293992	17294218	+	0	NA	Intergeni	ALR/Alpha	-1307012	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4881	56.3506	-0.63411	0.314414	-2.01679	0.043717	0.213355	chr5	48813340	48813561	+	0	NA	Intergeni	ALR/Alpha	1627838	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-174	19.82017	-1.01678	0.504759	-2.01439	0.043969	0.213973	chr13	17445426	17445630	+	0	NA	Intergeni	ALR/Alpha	-749769	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-179	19.82017	-1.01678	0.504759	-2.01439	0.043969	0.213973	chr14	17983027	17984538	+	0	NA	Intergeni	ALR/Alpha	-617335	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4953	145.7693	-0.43606	0.216585	-2.01334	0.044079	0.214207	chr5	49530992	49531244	+	0	NA	Intergeni	ALR/Alpha	910170	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-143	27.50434	-0.87686	0.435756	-2.01226	0.044192	0.214333	chr22	14386490	14386877	+	0	NA	Intergeni	ALR/Alpha	-1141476	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr19-270	59.03078	-0.63243	0.31435	-2.01188	0.044233	0.214333	chr19	27087126	27087349	+	0	NA	Intergeni	ALR/Alpha	-706194	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-931	21.34419	-0.97801	0.486253	-2.01131	0.044293	0.214333	chr21	9317371	9324031	+	0	NA	Intergeni	L1MA3|LIN	-190940	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr21-118	18.82824	-1.06878	0.531797	-2.00974	0.044458	0.21483	chr21	11845985	11846292	+	0	NA	Intergeni	ALR/Alpha	-1192028	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4866	39.26903	-0.7344	0.366006	-2.00651	0.044801	0.216183	chr5	48662617	48662816	+	0	NA	Intergeni	ALR/Alpha	1778572	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr8-4497	62.64431	-0.59879	0.298512	-2.0059	0.044866	0.216192	chr8	44977790	44978080	+	0	NA	Intergeni	ALR/Alpha	1639708	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr18-157	20.76808	-1.0015	0.499633	-2.00448	0.045019	0.216623	chr18	15716536	15716893	+	0	NA	Intergeni	ALR/Alpha	-390795	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr22-135	22.30047	-0.95428	0.476275	-2.00363	0.045109	0.216753	chr22	13502393	13503712	+	0	NA	Intergeni	ALR/Alpha	1605646	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-266	18.20098	-1.07004	0.534409	-2.00229	0.045254	0.217056	chr20	26674958	26675319	+	0	NA	Intergeni	ALR/Alpha	-465905	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-134	21.34698	-0.9741	0.486681	-2.00151	0.045337	0.217056	chr22	13483602	13483801	+	0	NA	Intergeni	ALR/Alpha	1586295	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-113	22.32496	-0.95185	0.47562	-2.00128	0.045363	0.217056	chr21	11363885	11365280	+	0	NA	Intergeni	ALR/Alpha	843068	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr13-164	17.64826	-1.11867	0.55932	-2.00006	0.045494	0.217382	chr13	16479265	16479477	+	0	NA	Intergeni	ALR/Alpha	-1715926	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-103	15.57537	-1.13759	0.569328	-1.99812	0.045703	0.218078	chr21	10325586	10330842	+	0	NA	Intergeni	Intergeni	-85306	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr21-122	42.69227	-0.70665	0.353974	-1.99633	0.045898	0.218461	chr21	12254298	12254535	+	0	NA	Intergeni	ALR/Alpha	-783750	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4764	30.26458	-0.83548	0.418534	-1.99621	0.045911	0.218461	chr5	47645297	47645502	+	0	NA	Intergeni	ALR/Alpha	-1949019	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-276	25.3268	-0.89637	0.449224	-1.99537	0.046002	0.218486	chr20	27613897	27614828	+	0	NA	Intergeni	ALR/Alpha	988303	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo

chrY-5684	33.32487	-0.78491	0.393518	-1.99459	0.046088	0.218486	chrY	56845355	56845583	+	0	NA	Intergeni	BSR/Beta|	-108786	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr6-5879	56.79751	-0.62257	0.31216	-1.99441	0.046108	0.218486	chr6	58791973	58793794	+	0	NA	Intergeni	ALR/Alpha	-831437	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5908	34.33014	-0.77241	0.38759	-1.99285	0.046278	0.218542	chr6	59082994	59083312	+	0	NA	Intergeni	ALR/Alpha	-1121707	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-279	25.87562	-0.88479	0.443992	-1.9928	0.046284	0.218542	chr20	27943250	27943667	+	0	NA	Intergeni	ALR/Alpha	659207	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-135	21.2301	-0.9791	0.491383	-1.99255	0.046311	0.218542	chr22	13576493	13577986	+	0	NA	Intergeni	ALR/Alpha	1679833	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1236	27.32895	-0.86554	0.43542	-1.98783	0.046831	0.22069	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2160206	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-157	27.92676	-0.85148	0.429598	-1.98205	0.047474	0.22298	chr18	15779200	15779533	+	0	NA	Intergeni	ALR/Alpha	-453447	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr13-180	20.92177	-1.01393	0.511697	-1.9815	0.047535	0.22298	chr13	18013269	18013468	+	0	NA	Intergeni	ALR/Alpha	-181929	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-107	24.26201	-0.90848	0.458488	-1.98148	0.047538	0.22298	chr22	10731200	10731758	+	0	NA	Intergeni	AluSz6|SI	230050	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr5-4795	53.81737	-0.62975	0.317954	-1.98064	0.047631	0.22298	chr5	47952841	47953439	+	0	NA	Intergeni	ALR/Alpha	-2256760	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-175	27.76927	-0.85	0.429178	-1.98053	0.047644	0.22298	chr14	17523753	17526511	+	0	NA	Intergeni	ALR/Alpha	-1075985	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1240	71.70774	-0.55744	0.281648	-1.9792	0.047794	0.22298	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2486277	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	109.6909	-0.47539	0.240236	-1.97884	0.047834	0.22298	chr10	40412639	40414674	+	0	NA	Intergeni	ALR/Alpha	1717060	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr9-4124	16.50995	-1.093	0.552349	-1.97881	0.047837	0.22298	chr9	41243497	41243696	+	0	NA	Intergeni	MER103C|D	-9761	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr4-4949	17.05319	-1.07861	0.54538	-1.97773	0.04796	0.223247	chr4	49493662	49495077	+	0	NA	Intergeni	L1MB8|LIN	507727	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr10-389	15.96112	-1.11897	0.566173	-1.97637	0.048112	0.223421	chr10	38911736	38913293	+	0	NA	Intergeni	(GAGTG)n|	215918	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chrY-1128	22.42013	-0.94576	0.478907	-1.97484	0.048286	0.223421	chrY	11283847	11284474	+	0	NA	Intergeni	L1PA4|LIN	1137430	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr20-291	17.00979	-1.07528	0.544541	-1.97465	0.048308	0.223421	chr20	29121882	29123726	+	0	NA	Intergeni	Intergeni	42414	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr13-178	30.75498	-0.80871	0.409565	-1.97456	0.048318	0.223421	chr13	17827645	17828325	+	0	NA	Intergeni	ALR/Alpha	-367312	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-137	43.59562	-0.68741	0.348141	-1.97452	0.048323	0.223421	chr22	13727052	13727418	+	0	NA	Intergeni	ALR/Alpha	-1800924	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr6-5974	43.04958	-0.68976	0.34959	-1.97305	0.04849	0.223892	chr6	59747781	59748798	+	0	NA	Intergeni	ALR/Alpha	-1786843	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-172	28.77453	-0.83269	0.422526	-1.97073	0.048755	0.224518	chr14	17209945	17210203	+	0	NA	Intergeni	ALR/Alpha	-1391043	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chrY-5684	17.53412	-1.0555	0.535595	-1.97071	0.048757	0.224518	chrY	56846906	56849346	+	0	NA	Intergeni	BSR/Beta|	-106129	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr4-5034	17.01258	-1.07037	0.543985	-1.96765	0.049108	0.22583	chr4	50348853	50349446	+	0	NA	Intergeni	ALR/Alpha	1362507	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1226	98.24792	-0.4904	0.249315	-1.96699	0.049184	0.225876	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1126278	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-180	23.33301	-0.92206	0.46896	-1.96618	0.049278	0.226005	chr14	18075407	18075871	+	0	NA	Intergeni	ALR/Alpha	-525478	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-144	18.84777	-1.03658	0.527609	-1.96468	0.049452	0.226499	chr22	14442605	14442928	+	0	NA	Intergeni	ALR/Alpha	-1085393	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1217	86.91067	-0.51254	0.260982	-1.96387	0.049545	0.226624	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	231292	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-112	22.18917	-0.95152	0.484768	-1.96284	0.049664	0.226867	chr21	11247493	11247764	+	0	NA	Intergeni	ALR/Alpha	726114	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chrY-5687	18.53659	-1.02085	0.520814	-1.96012	0.049982	0.228015	chrY	56876321	56880441	+	0	NA	Intergeni	MLT1E1A|L	-75874	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr5-4830	39.58573	-0.71204	0.363608	-1.95826	0.0502	0.228408	chr5	48304649	48304918	+	0	NA	Intergeni	ALR/Alpha	2136505	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1244	54.00113	-0.63106	0.322259	-1.95824	0.050202	0.228408	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2918673	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5845	100.3648	-0.48281	0.246692	-1.95715	0.050329	0.228685	chr6	58450057	58450907	+	0	NA	Intergeni	ALR/Alpha	-489036	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr21-111	17.5614	-1.04761	0.536051	-1.95431	0.050665	0.229262	chr21	11187952	11188312	+	0	NA	Intergeni	ALR/Alpha	666618	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr9-6283	16.93911	-1.08035	0.552812	-1.95427	0.050669	0.229262	chr9	62833530	62833816	+	0	NA	TTS (NR_1	TTS (NR_1	4673	NR_135128	1E+08	Hs.536982	NR_135128		LOC100132	-	uncharact	ncRNA
chr19-248	84.9575	-0.51169	0.261868	-1.95399	0.050702	0.229262	chr19	24891472	24891808	+	0	NA	Intergeni	ALR/Alpha	-728193	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-176	52.64129	-0.62834	0.321596	-1.95381	0.050724	0.229262	chr14	17640155	17640866	+	0	NA	Intergeni	ALR/Alpha	-960607	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-171	19.51458	-0.9928	0.50884	-1.9511	0.051045	0.230106	chr14	17183616	17185169	+	0	NA	Intergeni	ALR/Alpha	-1416725	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-913	19.51458	-0.9928	0.50884	-1.9511	0.051045	0.230106	chr21	9130908	9131420	+	0	NA	Intergeni	MER66A|LT	-1403	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-266	104.6813	-0.47576	0.244066	-1.94933	0.051257	0.230528	chr20	26601669	26608003	+	0	NA	Intergeni	ALR/Alpha	-395603	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-115	20.03891	-0.97787	0.50168	-1.94919	0.051273	0.230528	chr21	11563639	11564698	+	0	NA	Intergeni	ALR/Alpha	1042654	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr18-180	50.10086	-0.64453	0.330859	-1.94804	0.05141	0.230561	chr18	18084962	18085268	+	0	NA	Intergeni	ALR/Alpha	-2759196	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr22-137	46.45391	-0.66512	0.341499	-1.94765	0.051456	0.230561	chr22	13739462	13739750	+	0	NA	Intergeni	ALR/Alpha	-1788553	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4960	113.7347	-0.47028	0.241487	-1.94744	0.051482	0.230561	chr5	49609993	49610315	+	0	NA	Intergeni	ALR/Alpha	831134	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-149	24.42787	-0.89959	0.462116	-1.94667	0.051575	0.230673	chr22	14939638	14939982	+	0	NA	Intergeni	ALR/Alpha	-588349	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1245	76.20687	-0.53318	0.274039	-1.94563	0.051699	0.230926	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3062382	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-123	17.49351	-1.04749	0.538713	-1.94442	0.051845	0.231276	chr21	12304128	12304402	+	0	NA	Intergeni	ALR/Alpha	-733901	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4924	58.16465	-0.60581	0.31187	-1.94251	0.052075	0.232003	chr5	49245721	49245934	+	0	NA	Intergeni	ALR/Alpha	1195461	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-171	16.54387	-1.13511	0.584985	-1.94042	0.052329	0.232808	chr14	17173295	17173590	+	0	NA	Intergeni	ALR/Alpha	-1427675	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr16-340	20.02	-0.97228	0.501338	-1.93938	0.052456	0.232808	chr16	34062558	34064881	+	0	NA	Intergeni	Intergeni	-99859	NR_162093	1.13E+08		NR_162093		MIR9901	-	microRNA	ncRNA
chr20-280	15.0377	-1.14416	0.590361	-1.93807	0.052615	0.232808	chr20	28093722	28093930	+	0	NA	Intergeni	ALR/Alpha	508839	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-103	21.10927	-0.9517	0.49109	-1.93793	0.052632	0.232808	chr21	10361002	10363549	+	0	NA	Intergeni	L1MA2|LIN	-51245	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr4-4920	21.10927	-0.9517	0.49109	-1.93793	0.052632	0.232808	chr4	49209352	49210204	+	0	NA	Intergeni	L1PA13|LI	223136	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr9-4447	18.447	-1.01922	0.526005	-1.93767	0.052664	0.232808	chr9	44479889	44480257	+	0	NA	Intergeni	ALR/Alpha	1353907	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-279	22.04106	-0.93149	0.480935	-1.93683	0.052766	0.23296	chr20	27948811	27949127	+	0	NA	Intergeni	ALR/Alpha	653696	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-142	20.9924	-0.95679	0.494277	-1.93573	0.052901	0.233012	chr22	14273712	14273931	+	0	NA	Intergeni	ALR/Alpha	-1254338	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr13-163	22.56819	-0.91603	0.47325	-1.93562	0.052914	0.233012	chr13	16393174	16393530	+	0	NA	Intergeni	ALR/Alpha	-1801945	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-166	20.47365	-0.96217	0.497446	-1.93422	0.053086	0.233471	chr14	16695670	16697219	+	0	NA	Intergeni	ALR/Alpha	-1904673	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-271	23.04354	-0.90965	0.470467	-1.93351	0.053173	0.233552	chr20	27198958	27202564	+	0	NA	Intergeni	ALR/Alpha	-991528	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-121	19.99829	-0.97084	0.502677	-1.93134	0.053442	0.234431	chr21	12180019	12180228	+	0	NA	Intergeni	ALR/Alpha	-858043	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr6-5898	26.53188	-0.84403	0.437661	-1.92851	0.053792	0.235666	chr6	58980382	58981048	+	0	NA	Intergeni	ALR/Alpha	-1019269	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-271	24.05159	-0.88278	0.458123	-1.92694	0.053987	0.236058	chr20	27181197	27184624	+	0	NA	Intergeni	ALR/Alpha	-973677	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-171	26.55079	-0.84835	0.440316	-1.92668	0.054019	0.236058	chr13	17175128	17175365	+	0	NA	Intergeni	ALR/Alpha	-1020051	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-175	25.31904	-0.8784	0.456161	-1.92565	0.054149	0.236322	chr14	17567700	17567908	+	0	NA	Intergeni	ALR/Alpha	-1033313	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-403	45.21374	-0.65866	0.342264	-1.92441	0.054304	0.236529	chr10	40345206	40345466	+	0	NA	Intergeni	ALR/Alpha	1648740	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1217	150.9209	-0.41785	0.217244	-1.9234	0.054429	0.236529	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	249605	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-279	28.01528	-0.81966	0.426164	-1.92333	0.054438	0.236529	chr20	27926938	27928435	+	0	NA	Intergeni	ALR/Alpha	674979	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr6-5897	26.01034	-0.84916	0.441565	-1.92306	0.054472	0.236529	chr6	58971163	58971853	+	0	NA	Intergeni	ALR/Alpha	-1010062	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4910	102.4093	-0.47547	0.247525	-1.92089	0.054745	0.237415	chr5	49103411	49103663	+	0	NA	Intergeni	ALR/Alpha	1337751	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4366	24.45625	-0.88074	0.45869	-1.92012	0.054843	0.237536	chr9	43661214	43661440	+	0	NA	Intergeni	ALR/Alpha	535161	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-122	25.96415	-0.85008	0.443439	-1.91703	0.055235	0.238931	chr21	12277704	12280278	+	0	NA	Intergeni	ALR/Alpha	-759175	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4904	27.53993	-0.82317	0.430006	-1.91432	0.05558	0.239279	chr5	49044907	49045106	+	0	NA	Intergeni	ALR/Alpha	1396282	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-793	15.22916	-1.09894	0.574101	-1.9142	0.055594	0.239279	chr21	7936241	7952560	+	0	NA	Intergeni	(ATTCCATT	-114768	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr21-114	15.22916	-1.09894	0.574101	-1.9142	0.055594	0.239279	chr21	11403692	11404641	+	0	NA	Intergeni	ALR/Alpha	882652	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr4-4932	15.22916	-1.09894	0.574101	-1.9142	0.055594	0.239279	chr4	49328890	49330395	+	0	NA	Intergeni	ACRO1|Sat	343000	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-273	19.98435	-0.99255	0.51919	-1.91173	0.05591	0.240338	chr20	27352152	27352434	+	0	NA	Intergeni	ALR/Alpha	-1143060	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1246	82.3186	-0.51387	0.269077	-1.90975	0.056165	0.240953	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3112393	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1250	15.75349	-1.07605	0.563841	-1.90844	0.056335	0.240953	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3565596	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-107	15.75349	-1.07605	0.563841	-1.90844	0.056335	0.240953	chr22	10741786	10744260	+	0	NA	Intergeni	Intergeni	218506	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr8-8574	15.75349	-1.07605	0.563841	-1.90844	0.056335	0.240953	chr8	85744161	85748604	+	0	NA	promoter-	promoter-	-850	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr18-204	51.52575	-0.62905	0.329759	-1.9076	0.056443	0.241116	chr18	20483868	20484220	+	0	NA	Intergeni	ALR/Alpha	627769	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr5-4768	48.45601	-0.6364	0.333759	-1.90677	0.056551	0.241234	chr5	47685707	47686151	+	0	NA	Intergeni	ALR/Alpha	-1989549	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-269	50.83338	-0.62244	0.326518	-1.9063	0.056612	0.241234	chr20	26961143	26961342	+	0	NA	Intergeni	ALR/Alpha	-752009	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-114	20.93287	-0.94459	0.495923	-1.90471	0.056818	0.241398	chr21	11428288	11428522	+	0	NA	Intergeni	ALR/Alpha	906891	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr16-365	15.79968	-1.07434	0.564145	-1.90438	0.056861	0.241398	chr16	36546089	36546895	+	0	NA	Intergeni	ALR/Alpha	799940	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr21-912	16.27503	-1.05983	0.556526	-1.90437	0.056862	0.241398	chr21	9123966	9127167	+	0	NA	intron (N	MER57A1|L	4195	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr5-4890	77.49987	-0.52089	0.273811	-1.90236	0.057124	0.24209	chr5	48904535	48905086	+	0	NA	Intergeni	ALR/Alpha	1536478	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-107	16.29674	-1.06161	0.558348	-1.90134	0.057257	0.24209	chr22	10755338	10757298	+	0	NA	Intergeni	Intergeni	205211	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr19-252	56.18693	-0.59083	0.310779	-1.90113	0.057284	0.24209	chr19	25203678	25203953	+	0	NA	Intergeni	ALR/Alpha	-1040368	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-181	16.23163	-1.05635	0.555691	-1.90096	0.057307	0.24209	chr14	18153420	18154015	+	0	NA	Intergeni	ALR/Alpha	-447400	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-176	16.32123	-1.0582	0.557529	-1.89801	0.057694	0.243288	chr13	17676214	17676544	+	0	NA	Intergeni	ALR/Alpha	-518918	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-168	16.25612	-1.05297	0.554878	-1.89766	0.05774	0.243288	chr14	16810062	16811489	+	0	NA	Intergeni	ALR/Alpha	-1790342	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-172	17.40391	-1.04558	0.551123	-1.89718	0.057804	0.243288	chr13	17205247	17205456	+	0	NA	Intergeni	ALR/Alpha	-989946	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr7-6103	15.36495	-1.09905	0.579504	-1.89654	0.057889	0.243346	chr7	61036655	61037395	+	0	NA	Intergeni	Intergeni	2267031	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr14-181	37.80789	-0.70202	0.370746	-1.89354	0.058287	0.244718	chr14	18124535	18125194	+	0	NA	Intergeni	ALR/Alpha	-476253	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr3-9271	17.23131	-1.0239	0.541117	-1.89219	0.058465	0.245168	chr3	92719145	92719541	+	0	NA	Intergeni	ALR/Alpha	1254738	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr22-126	17.302	-1.01919	0.539282	-1.8899	0.058772	0.246152	chr22	12636531	12636766	+	0	NA	Intergeni	MSTB|LTR|	739242	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-278	57.55625	-0.5859	0.310193	-1.88882	0.058916	0.246454	chr20	27855025	27855657	+	0	NA	Intergeni	ALR/Alpha	747324	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-4949	25.63016	-0.84832	0.449426	-1.88755	0.059086	0.246666	chr4	49495965	49496339	+	0	NA	Intergeni	MER4E1|LT	509510	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr11-516	65.2788	-0.55667	0.294947	-1.88737	0.059111	0.246666	chr11	51603421	51603668	+	0	NA	Intergeni	ALR/Alpha	1194397	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-389	16.81828	-1.04658	0.555104	-1.88538	0.059378	0.247088	chr10	38924621	38924850	+	0	NA	Intergeni	LTR49|LTR	228139	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1247	52.65239	-0.60222	0.319493	-1.88493	0.059439	0.247088	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3214085	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	34.22715	-0.7319	0.388338	-1.88468	0.059472	0.247088	chr10	40898225	40898549	+	0	NA	Intergeni	ALR/Alpha	1469658	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1234	45.04393	-0.6474	0.343543	-1.88448	0.0595	0.247088	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1979749	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-414	74.06609	-0.52149	0.277194	-1.88132	0.059928	0.248204	chr10	41447153	41447382	+	0	NA	Intergeni	ALR/Alpha	920778	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-348	36.16031	-0.72538	0.38568	-1.88077	0.060003	0.248204	chr16	34894395	34894605	+	0	NA	Intergeni	(ATTCCATT	-135849	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr22-135	17.78293	-0.9983	0.53089	-1.88043	0.06005	0.248204	chr22	13580446	13580656	+	0	NA	Intergeni	ALR/Alpha	1683145	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-4415	61.47259	-0.56448	0.3002	-1.88036	0.060059	0.248204	chr9	44150614	44150943	+	0	NA	Intergeni	ALR/Alpha	1024612	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-122	18.2093	-0.99376	0.528888	-1.87896	0.06025	0.248696	chr21	12238117	12241690	+	0	NA	Intergeni	ALR/Alpha	-798263	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-147	16.13925	-1.0598	0.564977	-1.87583	0.060678	0.249486	chr22	14763639	14763850	+	0	NA	Intergeni	ALR/Alpha	-764415	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-166	32.74096	-0.75002	0.39988	-1.87561	0.060708	0.249486	chr14	16616015	16616454	+	0	NA	Intergeni	ALR/Alpha	-1984883	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-167	24.97004	-0.85658	0.456773	-1.87528	0.060754	0.249486	chr14	16757077	16757648	+	0	NA	Intergeni	ALR/Alpha	-1843755	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-265	31.72237	-0.75342	0.401987	-1.87424	0.060897	0.249486	chr20	26532703	26533751	+	0	NA	Intergeni	ALR/Alpha	-323994	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-169	19.30694	-0.957	0.510712	-1.87386	0.06095	0.249486	chr13	16974994	16975658	+	0	NA	Intergeni	ALR/Alpha	-1219971	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-174	32.70314	-0.74297	0.39651	-1.87376	0.060963	0.249486	chr14	17426239	17427874	+	0	NA	Intergeni	ALR/Alpha	-1174061	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-136	20.26322	-0.932	0.497727	-1.87251	0.061136	0.249486	chr22	13666505	13667278	+	0	NA	Intergeni	ALR/Alpha	1769485	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-119	19.76338	-0.94271	0.503459	-1.87246	0.061143	0.249486	chr22	11925735	11926730	+	0	NA	intron (N	L1PA12|LI	28826	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-399	61.33681	-0.56405	0.301434	-1.87124	0.061312	0.249486	chr10	39983326	39983804	+	0	NA	Intergeni	ALR/Alpha	1286969	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-273	30.24176	-0.76855	0.410833	-1.87072	0.061385	0.249486	chr20	27358669	27360648	+	0	NA	Intergeni	ALR/Alpha	-1150425	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-150	20.24152	-0.93057	0.497653	-1.86992	0.061495	0.249486	chr22	15018050	15019125	+	0	NA	Intergeni	ALR/Alpha	-509572	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-266	30.74439	-0.76187	0.407472	-1.86974	0.06152	0.249486	chr20	26648931	26650746	+	0	NA	Intergeni	ALR/Alpha	-440605	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-150	19.19286	-0.95815	0.512534	-1.86943	0.061563	0.249486	chr22	15016345	15016621	+	0	NA	Intergeni	ALR/Alpha	-511676	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr9-4457	16.2834	-1.04438	0.55876	-1.8691	0.061609	0.249486	chr9	44579537	44580091	+	0	NA	Intergeni	ALR/Alpha	1453648	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo

chr14-165	18.69302	-0.97021	0.519092	-1.86905	0.061616	0.249486	chr14	16577842	16578052	+	0	NA	Intergeni	ALR/Alpha	-2023170	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr21-918	20.76028	-0.92591	0.495507	-1.86862	0.061676	0.249486	chr21	9185036	9185285	+	0	NA	Intergeni	L1PA4|LIN	-55399	NR_038327	1E+08	Hs.487562	NM_174948	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr13-169	15.66669	-1.06882	0.572038	-1.86844	0.061701	0.249486	chr13	16938603	16938804	+	0	NA	Intergeni	ALR/Alpha	-1256594	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr9-437	21.76554	-0.8992	0.481355	-1.86807	0.061752	0.249486	chr9	43767179	43767781	+	0	NA	Intergeni	ALR/Alpha	641314	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-12	30.67091	-0.76709	0.410976	-1.86651	0.061971	0.249516	chr21	12692224	12692900	+	0	NA	Intergeni	ALR/Alpha	-345604	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr20-276	21.79003	-0.89674	0.480688	-1.86552	0.062108	0.249516	chr20	27688376	27688907	+	0	NA	Intergeni	ALR/Alpha	914024	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr17-253	451.5023	-0.29423	0.157781	-1.8648	0.062209	0.249516	chr17	25389805	25390063	+	0	NA	Intergeni	ALR/Alpha	1699307	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr22-135	20.21982	-0.92914	0.498281	-1.8647	0.062224	0.249516	chr22	13516597	13519725	+	0	NA	Intergeni	ALR/Alpha	1620755	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-128	20.32833	-0.93637	0.502176	-1.86463	0.062233	0.249516	chr21	12877811	12878085	+	0	NA	Intergeni	ALR/Alpha	-160218	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr1-1244	64.61194	-0.54755	0.293688	-1.86438	0.062269	0.249516	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2964628	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-274	17.69333	-0.99651	0.534592	-1.86407	0.062313	0.249516	chr20	27406136	27407637	+	0	NA	Intergeni	ALR/Alpha	1195779	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr13-179	31.65447	-0.75319	0.404193	-1.86344	0.0624	0.249516	chr13	17927311	17928745	+	0	NA	Intergeni	ALR/Alpha	-267269	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr7-601	21.72213	-0.89652	0.481145	-1.8633	0.06242	0.249516	chr7	60106584	60106948	+	0	NA	Intergeni	ALR/Alpha	2656589	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr5-4754	152.5734	-0.3916	0.210227	-1.86277	0.062495	0.249516	chr5	47547411	47547678	+	0	NA	Intergeni	ALR/Alpha	-1851164	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr21-122	28.19062	-0.79267	0.425733	-1.86189	0.062619	0.249516	chr21	12266066	12268779	+	0	NA	Intergeni	ALR/Alpha	-770744	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr11-515	22.72461	-0.87606	0.470667	-1.86132	0.062699	0.249516	chr11	51575722	51576079	+	0	NA	Intergeni	ALR/Alpha	1166753	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4848	23.7215	-0.86447	0.464582	-1.86075	0.062779	0.249516	chr5	48485068	48485425	+	0	NA	Intergeni	ALR/Alpha	1956042	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-251	117.0684	-0.43875	0.235798	-1.86069	0.062788	0.249516	chr19	25143539	25143786	+	0	NA	Intergeni	ALR/Alpha	-980215	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr9-4384	23.72708	-0.85741	0.460914	-1.86023	0.062852	0.249516	chr9	43844690	43845140	+	0	NA	Intergeni	ALR/Alpha	718749	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-858	20.76864	-0.91387	0.491873	-1.85794	0.063178	0.250369	chr8	85807267	85808792	+	0	NA	Intergeni	MLT1F1|LT	-4468	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-271	23.75157	-0.85517	0.460428	-1.85733	0.063265	0.250369	chr20	27137540	27139324	+	0	NA	Intergeni	ALR/Alpha	-929199	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr21-913	18.31005	-0.97715	0.526149	-1.85717	0.063286	0.250369	chr21	9134860	9135862	+	0	NA	Intergeni	L1MA3|LIN	-5600	NR_038327	1E+08	Hs.487562	NM_174948	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr14-174	24.22971	-0.84697	0.456237	-1.85644	0.063391	0.250495	chr14	17473467	17475180	+	0	NA	Intergeni	ALR/Alpha	-1126794	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr19-265	80.41826	-0.49587	0.267196	-1.85582	0.063479	0.250552	chr19	26504013	26504551	+	0	NA	Intergeni	ALR/Alpha	-1289149	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr13-173	41.9063	-0.65732	0.354418	-1.85464	0.063647	0.250786	chr13	17389762	17389987	+	0	NA	Intergeni	ALR/Alpha	-805423	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-122	23.68089	-0.85843	0.462918	-1.85438	0.063685	0.250786	chr21	12215718	12217633	+	0	NA	Intergeni	ALR/Alpha	-821491	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr15-194	20.83654	-0.91406	0.493244	-1.85316	0.06386	0.251186	chr15	19471999	19472261	+	0	NA	Intergeni	ALR/Alpha	-810614	NR_038836	646096	Hs.448789	NR_038836	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr21-121	22.20306	-0.88287	0.476853	-1.85145	0.064104	0.25126	chr21	12106183	12108626	+	0	NA	Intergeni	ALR/Alpha	-930762	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr21-104	18.3178	-1.00228	0.541374	-1.85137	0.064116	0.25126	chr21	10459729	10460002	+	0	NA	intron (	AluSx|SIN	46333	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chrY-5685	22.29545	-0.8807	0.475742	-1.8512	0.06414	0.25126	chrY	56855301	56856401	+	0	NA	Intergeni	Intergeni	-98404	NM_00584	10251	Hs.381912	NM_00584	ENSG0000	SPRY3	spry-3	sprouty	protein-coding
chr20-266	25.78101	-0.82049	0.443272	-1.85099	0.064172	0.25126	chr20	26616967	26617987	+	0	NA	Intergeni	ALR/Alpha	-408244	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr1-124	98.67546	-0.46682	0.252409	-1.84946	0.064392	0.251683	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2565372	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr3-9083	27.37291	-0.80226	0.433837	-1.84922	0.064427	0.251683	chr3	90835915	90836119	+	0	NA	Intergeni	ALR/Alpha	1728396	NM_005233	2042	Hs.123642	NM_005233	ENSG0000	EPHA3	EK4|ETK|	EPH recep	protein-coding
chr17-251	77.7682	-0.50231	0.272016	-1.84663	0.064801	0.252857	chr17	25101213	25101447	+	0	NA	Intergeni	ALR/Alpha	1987911	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-12	26.16676	-0.8154	0.442012	-1.84474	0.065076	0.25364	chr21	12058674	12059558	+	0	NA	Intergeni	ALR/Alpha	-979050	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr13-173	29.63062	-0.77038	0.41887	-1.83918	0.065888	0.256514	chr13	17383417	17383830	+	0	NA	Intergeni	ALR/Alpha	-811674	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr1-1235	37.75115	-0.69268	0.377399	-1.83539	0.066448	0.258017	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1997057	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-122	30.13325	-0.76351	0.416073	-1.83504	0.066499	0.258017	chr21	12247978	12248388	+	0	NA	Intergeni	ALR/Alpha	-789983	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr7-5936	169.2198	-0.37825	0.206174	-1.8346	0.066565	0.258017	chr7	59364544	59364859	+	0	NA	Intergeni	ALR/Alpha	1914524	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr18-184	17.64993	-0.99316	0.541465	-1.8342	0.066624	0.258017	chr18	18437833	18438129	+	0	NA	Intergeni	ALR/Alpha	2673832	NM_005406	6093	Hs.306307	NM_005406	ENSG0000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr1-1246	38.92338	-0.67233	0.366628	-1.83382	0.06668	0.258017	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3100324	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-128	52.2572	-0.59115	0.322412	-1.83352	0.066726	0.258017	chr21	12803177	12803466	+	0	NA	Intergeni	ALR/Alpha	-234845	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr5-4943	76.9327	-0.49791	0.271991	-1.8306	0.067161	0.259405	chr5	49437287	49437564	+	0	NA	Intergeni	ALR/Alpha	1003863	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1245	34.42977	-0.7067	0.386734	-1.82736	0.067645	0.260607	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3007698	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-149	15.47518	-1.03742	0.567899	-1.82677	0.067734	0.260607	chr22	14950830	14952358	+	0	NA	Intergeni	ALR/Alpha	-576565	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr10-412	37.44276	-0.68118	0.37294	-1.82651	0.067773	0.260607	chr10	41283017	41283360	+	0	NA	Intergeni	ALR/Alpha	1084857	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr1-1245	91.52733	-0.47431	0.25975	-1.82602	0.067847	0.260607	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3026720	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr8-4425	14.99146	-1.06876	0.585308	-1.82599	0.067852	0.260607	chr8	44250250	44250528	+	0	NA	Intergeni	ALR/Alpha	957947	NM_001002	340441	Hs.531579	NM_001002	ENSG0000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr9-4373	15.49409	-1.04471	0.572491	-1.82484	0.068025	0.260977	chr9	43734271	43734921	+	0	NA	Intergeni	ALR/Alpha	608430	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4859	81.98461	-0.48655	0.266869	-1.82318	0.068276	0.26113	chr5	48596168	48596446	+	0	NA	Intergeni	ALR/Alpha	1844981	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1239	59.57788	-0.55539	0.30464	-1.82311	0.068287	0.26113	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2466691	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr13-173	15.97502	-1.02052	0.55978	-1.82307	0.068293	0.26113	chr13	17347567	17350097	+	0	NA	Intergeni	ALR/Alpha	-846465	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr20-275	15.04323	-1.05566	0.579636	-1.82124	0.06857	0.261605	chr20	27507781	27508678	+	0	NA	Intergeni	ALR/Alpha	1094436	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr21-119	15.95332	-1.01874	0.559363	-1.82124	0.06857	0.261605	chr21	11978664	11982025	+	0	NA	Intergeni	ALR/Alpha	-1057822	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr14-172	15.92883	-1.02218	0.561731	-1.8197	0.068805	0.262131	chr14	17249997	17251336	+	0	NA	Intergeni	ALR/Alpha	-1350451	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr1-1231	76.29149	-0.49958	0.274634	-1.81909	0.068897	0.262131	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1657535	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4748	55.10318	-0.56932	0.313015	-1.81883	0.068937	0.262131	chr5	47488486	47489523	+	0	NA	Intergeni	ALR/Alpha	-1792624	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr18-154	16.47765	-0.99968	0.550256	-1.81676	0.069254	0.262593	chr18	15469404	15469880	+	0	NA	Intergeni	ALR/Alpha	-143723	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr22-12	16.47765	-0.99968	0.550256	-1.81676	0.069254	0.262593	chr22	12037240	12037895	+	0	NA	Intergeni	Intergeni	140161	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1441	15.43177	-1.03377	0.56909	-1.81653	0.069289	0.262593	chr1	1.44E+08	1.44E+08	+	0	NA	Intergeni	(TGGCTGGC	-130080	NR_144349	554282		NM_001287	ENSG0000	FAM72C	-	family wi	protein-coding
chr14-176	16.43146	-1.00126	0.551767	-1.81464	0.06958	0.263106	chr14	17655086	17655984	+	0	NA	Intergeni	ALR/Alpha	-945582	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr13-173	16.97749	-0.98503	0.542908	-1.81436	0.069623	0.263106	chr13	17354697	17355874	+	0	NA	Intergeni	ALR/Alpha	-840012	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr22-146	30.46328	-0.74338	0.409782	-1.81408	0.069665	0.263106	chr22	14658518	14659990	+	0	NA	Intergeni	ALR/Alpha	-868905	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-2652	15.38279	-1.04093	0.574242	-1.81269	0.069879	0.263106	chr1	2652168	2673737	+	0	NA	intron (	intron (	-29936	NM_033467	79258	Hs.591453	NM_033467	ENSG0000	MMEL1	MMEL2|NE	membrane	protein-coding
chr20-277	16.95579	-0.98334	0.542488	-1.81265	0.069885	0.263106	chr20	27761118	27762276	+	0	NA	Intergeni	ALR/Alpha	840968	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr8-8565	16.95579	-0.98334	0.542488	-1.81265	0.069885	0.263106	chr8	85653417	85660122	+	0	NA	Intergeni	Intergeni	-1093	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr5-4938	73.9197	-0.50229	0.277344	-1.81107	0.07013	0.263375	chr5	49387285	49387579	+	0	NA	Intergeni	ALR/Alpha	1053856	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr2-132	15.28651	-1.07411	0.593102	-1.81101	0.07014	0.263375	chr2	1.32E+08	1.32E+08	+	0	NA	intron (	intron (	21051	NR_146485	1.02E+08		NR_146484		LINC01945	-	long inte	ncRNA
chr21-929	17.00198	-0.98184	0.542244	-1.8107	0.070187	0.263375	chr21	9295643	9297846	+	0	NA	Intergeni	Intergeni	-166983	NR_038327	1E+08	Hs.487562	NM_174948	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr21-932	17.48012	-0.96654	0.534297	-1.80899	0.070453	0.264082	chr21	9325530	9348141	+	0	NA	Intergeni	L1PA2|LIN	-206195	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr9-439	17.43393	-0.96799	0.535554	-1.80746	0.070691	0.264306	chr9	43906408	43906697	+	0	NA	Intergeni	ALR/Alpha	780386	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-136	16.43425	-0.99623	0.551281	-1.80712	0.070744	0.264306	chr22	13644916	13645202	+	0	NA	Intergeni	ALR/Alpha	1747653	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-121	16.9096	-0.98488	0.545015	-1.80706	0.070753	0.264306	chr21	12104443	12104669	+	0	NA	Intergeni	ALR/Alpha	-933610	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr1-2756	15.88542	-1.01863	0.563833	-1.80662	0.070821	0.264306	chr1	2756466	2759698	+	0	NA	intron (	intron (	42786	NM_001242	1E+08	Hs.632363	NM_001242	ENSG0000	TTC34	-	tetratric	protein-coding
chr19-261	70.62455	-0.51549	0.285476	-1.80572	0.070963	0.264547	chr19	26195662	26195996	+	0	NA	Intergeni	ALR/Alpha	-1597602	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr14-174	18.4581	-0.9401	0.520834	-1.80499	0.071076	0.26468	chr14	17437690	17437965	+	0	NA	Intergeni	ALR/Alpha	-1163290	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr20-279	28.46113	-0.76169	0.422196	-1.80411	0.071215	0.26491	chr20	27944593	27945800	+	0	NA	Intergeni	ALR/Alpha	657469	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr8-858	18.96073	-0.92439	0.513208	-1.80119	0.071672	0.265467	chr8	85802104	85806434	+	0	NA	promoter-	promoter-	-708	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr13-177	28.43942	-0.76063	0.422458	-1.80048	0.071784	0.265467	chr13	17707450	17708465	+	0	NA	Intergeni	ALR/Alpha	-487340	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr4-4957	18.47701	-0.94628	0.525592	-1.80042	0.071795	0.265467	chr4	49570437	49570768	+	0	NA	Intergeni	THE1D-int	583960	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr14-18	28.39044	-0.76435	0.424606	-1.80014	0.071838	0.265467	chr14	18067906	18068145	+	0	NA	Intergeni	ALR/Alpha	-533092	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-405	34.31847	-0.70465	0.391634	-1.79926	0.071978	0.265467	chr10	40507780	40508164	+	0	NA	Intergeni	ALR/Alpha	1811376	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-177	19.48507	-0.91101	0.506462	-1.79878	0.072054	0.265467	chr14	17774446	17774665	+	0	NA	Intergeni	ALR/Alpha	-826562	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4922	19.98212	-0.90521	0.50334	-1.7984	0.072113	0.265467	chr5	49226805	49227952	+	0	NA	Intergeni	ALR/Alpha	1213910	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-275	25.47541	-0.80081	0.445292	-1.79839	0.072115	0.265467	chr20	27579049	27580786	+	0	NA	Intergeni	ALR/Alpha	1022748	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr8-8573	20.46305	-0.89013	0.495004	-1.79822	0.072142	0.265467	chr8	85733246	85737828	+	0	NA	promoter-	promoter-	-761	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-268	19.43887	-0.91227	0.507325	-1.7982	0.072145	0.265467	chr20	26818208	26820931	+	0	NA	Intergeni	ALR/Alpha	-610336	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr5-4747	18.95515	-0.93326	0.519154	-1.79766	0.07223	0.265467	chr5	47473269	47473641	+	0	NA	Intergeni	ALR/Alpha	-1777075	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr21-919	18.52879	-0.93585	0.520707	-1.79726	0.072294	0.265467	chr21	9191249	9193532	+	0	NA	Intergeni	Intergeni	-62629	NR_038327	1E+08	Hs.487562	NM_174948	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr14-173	25.45371	-0.79964	0.445133	-1.7964	0.07243	0.265623	chr14	17353603	17355259	+	0	NA	Intergeni	ALR/Alpha	-1246686	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-406	35.07655	-0.69503	0.387082	-1.79557	0.072562	0.265623	chr10	40683362	40683655	+	0	NA	Intergeni	ALR/Alpha	1684537	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr4-504	22.4652	-0.85315	0.475156	-1.79552	0.072571	0.265623	chr4	50409116	50410341	+	0	NA	Intergeni	ALR/Alpha	1423086	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr18-173	49.02663	-0.63278	0.352543	-1.79489	0.072671	0.265623	chr18	17362028	17362336	+	0	NA	Intergeni	ALR/Alpha	-2036263	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr17-255	396.7437	-0.2963	0.165253	-1.793	0.072973	0.265623	chr17	25569090	25569396	+	0	NA	Intergeni	ALR/Alpha	1519998	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-104	19.53126	-0.90976	0.507428	-1.79288	0.072992	0.265623	chr21	10442042	10443074	+	0	NA	intron (	L1ME2z|LI	29026	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr19-252	37.61252	-0.66663	0.372091	-1.79159	0.073199	0.265623	chr19	25207128	25207801	+	0	NA	Intergeni	ALR/Alpha	-1044017	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr13-171	19.02305	-0.93355	0.521189	-1.79119	0.073262	0.265623	chr13	17128059	17129036	+	0	NA	Intergeni	ALR/Alpha	-1066750	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr8-4501	38.73466	-0.65629	0.366494	-1.79072	0.073338	0.265623	chr8	45010390	45011269	+	0	NA	Intergeni	ALR/Alpha	1606814	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr19-264	26.56748	-0.78857	0.440411	-1.79054	0.073368	0.265623	chr19	26488687	26488979	+	0	NA	Intergeni	ALR/Alpha	-1304598	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-113	20.41964	-0.88728	0.495555	-1.79048	0.073377	0.265623	chr21	11378125	11381220	+	0	NA	Intergeni	ALR/Alpha	858158	NM_19926	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTE	transmemb	protein-coding
chr10-404	45.81321	-0.60905	0.340238	-1.79008	0.073442	0.265623	chr10	40440980	40442603	+	0	NA	Intergeni	ALR/Alpha	1745195	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr18-16	43.66138	-0.64737	0.361787	-1.78936	0.073556	0.265623	chr18	16008586	16008883	+	0	NA	Intergeni	ALR/Alpha	-682815	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr22-14	23.40257	-0.83154	0.464735	-1.78928	0.07357	0.265623	chr22	14081997	14083704	+	0	NA	Intergeni	ALR/Alpha	-1445309	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr13-163	24.90767	-0.80616	0.450624	-1.78898	0.073619	0.265623	chr13	16391552	16392067	+	0	NA	Intergeni	ALR/Alpha	-1803488	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr13-172	22.42459	-0.84682	0.47337	-1.78891	0.07363	0.265623	chr13	17241620	17244054	+	0	NA	Intergeni	ALR/Alpha	-952460	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr20-29	21.5362	-0.8652	0.483906	-1.78795	0.073783	0.265623	chr20	29088583	29088794	+	0	NA	intron (	intron (	8298	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr13-179	21.93808	-0.86718	0.485107	-1.7876	0.07384	0.265623	chr13	17953129	17953530	+	0	NA	Intergeni	ALR/Alpha	-241968	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr14-166	19.9198	-0.89666	0.501711	-1.7872	0.073906	0.265623	chr14	16635822	16638936	+	0	NA	Intergeni	ALR/Alpha	-1963738	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr20-284	19.9198	-0.89666	0.501711	-1.7872	0.073906	0.265623	chr20	28476652	28477183	+	0	NA	Intergeni	ALR/Alpha	125748	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-399	138.6285	-0.39323	0.22007	-1.78683	0.073965	0.265623	chr10	39967487	39968409	+	0	NA	Intergeni	ALR/Alpha	1271352	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr13-18	18.94182	-0.91851	0.514262	-1.78608	0.074087	0.265781	chr13	18018909	18019504	+	0	NA	Intergeni	ALR/Alpha	-176091	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr1-1251	21.5579	-0.86657	0.485321	-1.78557	0.07417	0.2658	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3595100	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr7-6025	86.65796	-0.46365	0.260097	-1.78261	0.074649	0.266986	chr7	60250505	60250869	+	0	NA	Intergeni	ALR/Alpha	2800510	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr5-4894	23.55727	-0.83699	0.469541	-1.78257	0.074656	0.266986	chr5	48947789	48948001	+	0	NA	Intergeni	ALR/Alpha	1493393	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr14-179	15.02711	-1.04241	0.58499	-1.78193	0.07476	0.267079	chr14	17991383	17991619	+	0	NA	Intergeni	ALR/Alpha	-609616	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr1-1227	17.8386	-0.96311	0.542896	-1.77402	0.076059	0.271376	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1216044	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr3-9325	23.83452	-0.82483	0.465049	-1.77365	0.076122	0.271376	chr3	93258999	93259255	+	0	NA	Intergeni	ALR/Alpha	714954	NM_001314	5627	Hs.64016	NM_000313	ENSG0000	PROS1	PROS|PS21	protein S	protein-coding
chr10-403	34.21935	-0.68778	0.387945	-1.77288	0.076248	0.271544	chr10	40336280	40336933	+	0	NA	Intergeni	ALR/Alpha	1640010	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-246	21.92754	-0.85055	0.480014	-1.77193	0.076406	0.27161	chr19	24651841	24652052	+	0	NA	Intergeni	ALR/Alpha	-488499	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr13-166	20.35175	-0.88706	0.500772	-1.77139	0.076496	0.27161	chr13	16628406	16629353	+	0	NA	Intergeni	ALR/Alpha	-1566418	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-123	21.35422	-0.86583	0.488799	-1.77134	0.076504	0.27161	chr21	12309959	12310162	+	0	NA	Intergeni	ALR/Alpha	-728106	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr3-9192	22.85933	-0.83577	0.472778	-1.76779	0.077095	0.273421	chr3	91926212	91926445	+	0	NA	Intergeni	ALR/Alpha	2047753	NM_001314	5627	Hs.64016	NM_000313	ENSG0000	PROS1	PROS|PS21	protein S	protein-coding
chr13-172	17.89595	-0.94263	0.533366	-1.76732	0.077174	0.273421	chr13	17239835	17240122	+	0	NA	Intergeni	ALR/Alpha	-955319	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA

chr10-40	32.62186	-0.70158	0.397706	-1.76407	0.07772	0.275071	chr10	40601150	40601645	+	0	NA	Intergeni	ALR/Alph	1766648	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr7-6031	64.18166	-0.51746	0.293506	-1.76302	0.077897	0.275411	chr7	60310640	60312035	+	0	NA	Intergeni	ALR/Alph	2861160	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr20-27	32.60016	-0.70064	0.397868	-1.76099	0.078241	0.276344	chr20	27091205	27092210	+	0	NA	Intergeni	ALR/Alph	-882474	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr5-487	76.06226	-0.51471	0.292566	-1.7593	0.078526	0.277066	chr5	48759336	48759542	+	0	NA	Intergeni	ALR/Alph	1681849	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-27	52.70026	-0.56443	0.321347	-1.75646	0.079011	0.278365	chr20	27975181	27976055	+	0	NA	Intergeni	ALR/Alph	627047	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr5-4827	132.062	-0.39178	0.223086	-1.75618	0.079057	0.278365	chr5	48272813	48273035	+	0	NA	Intergeni	ALR/Alph	2168364	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr9-638	22.15013	-0.85643	0.488391	-1.75358	0.079502	0.279444	chr9	63830352	63830595	+	0	NA	Intergeni	Intergeni	-10819	NR_03968	1.01E+08		NR_03968	ENSG0000	MIR4477A	-	microRNA	ncRNA
chr20-27	39.33915	-0.63858	0.364271	-1.75305	0.079594	0.279444	chr20	27514264	27515536	+	0	NA	Intergeni	ALR/Alph	1087765	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr12-35	16.46432	-0.98248	0.560468	-1.75297	0.079608	0.279444	chr12	35302829	35303213	+	0	NA	Intergeni	ALR/Alph	1280525	NM_03283	84920	Hs.102971	NM_03283	ENSG0000	ALG10	ALG10A|D	ALG10 al	protein-coding
chr10-40	62.19173	-0.5263	0.300776	-1.7498	0.080152	0.281067	chr10	40973814	40974124	+	0	NA	Intergeni	ALR/Alph	1394076	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr1-124	39.0119	-0.65084	0.372078	-1.74921	0.080255	0.281138	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2542846	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr20-28	34.82947	-0.69221	0.39604	-1.74782	0.080495	0.281693	chr20	28091190	28091526	+	0	NA	Intergeni	ALR/Alph	511307	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-27	28.63646	-0.7358	0.421743	-1.74466	0.081044	0.283324	chr20	27539269	27542138	+	0	NA	Intergeni	ALR/Alph	1061962	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-4377	32.02684	-0.70839	0.406373	-1.74321	0.081297	0.283795	chr9	43777409	43777956	+	0	NA	Intergeni	ALR/Alph	651516	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr5-4767	77.22389	-0.4901	0.281205	-1.74284	0.081361	0.283795	chr5	47671646	47671878	+	0	NA	Intergeni	ALR/Alph	-1975382	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr22-14	15.15067	-0.99942	0.573689	-1.74209	0.081492	0.283795	chr22	14030031	14030862	+	0	NA	Intergeni	ALR/Alph	-1497713	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr7-592	74.75688	-0.48099	0.276118	-1.74199	0.08151	0.283795	chr7	59251595	59251979	+	0	NA	Intergeni	ALR/Alph	1801610	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr11-53	119.0882	-0.40946	0.235251	-1.74052	0.081767	0.284102	chr11	53204993	53205270	+	0	NA	Intergeni	ALR/Alph	1398867	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactory	protein-coding
chr20-26	27.17755	-0.75273	0.432507	-1.74039	0.081791	0.284102	chr20	26865858	26867743	+	0	NA	Intergeni	ALR/Alph	-657567	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr22-14	27.63399	-0.74642	0.42896	-1.74007	0.081847	0.284102	chr22	14404561	14407328	+	0	NA	Intergeni	ALR/Alph	-1122215	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr19-26	27.19925	-0.75386	0.433413	-1.73936	0.081972	0.28419	chr19	26084678	26084976	+	0	NA	Intergeni	ALR/Alph	-1708604	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr9-434	28.59027	-0.7366	0.423624	-1.7388	0.08207	0.28419	chr9	43465699	43466367	+	0	NA	Intergeni	ALR/Alph	339867	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr22-12	15.65051	-0.98359	0.56579	-1.73844	0.082133	0.28419	chr22	12559228	12559535	+	0	NA	Intergeni	MLT1D|LT	661975	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr21-12	15.12618	-1.00307	0.577128	-1.73804	0.082204	0.28419	chr21	12270027	12271029	+	0	NA	Intergeni	ALR/Alph	-767638	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr5-487	56.51088	-0.53828	0.309811	-1.73746	0.082306	0.284255	chr5	48791286	48792197	+	0	NA	Intergeni	ALR/Alph	1649547	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr14-17	15.15346	-0.99398	0.57258	-1.73597	0.082569	0.284877	chr14	17469800	17472362	+	0	NA	Intergeni	ALR/Alph	-1130036	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr22-11	15.67779	-0.97487	0.562648	-1.73264	0.08316	0.285529	chr22	11935389	11936541	+	0	NA	intron (	MSTA|LTR|	38559	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr21-11	25.72143	-0.76845	0.443574	-1.73241	0.0832	0.285529	chr21	11943773	11945248	+	0	NA	Intergeni	ALR/Alph	-1093656	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr22-14	27.11244	-0.7494	0.432709	-1.73187	0.083297	0.285529	chr22	14416192	14418799	+	0	NA	Intergeni	ALR/Alph	-1110664	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr19-26	70.64792	-0.48859	0.282247	-1.73107	0.08344	0.285529	chr19	26410342	26411317	+	0	NA	Intergeni	ALR/Alph	-1382602	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr22-13	19.85749	-0.88784	0.513085	-1.7304	0.083559	0.285529	chr22	13386009	13386244	+	0	NA	Intergeni	ALR/Alph	1488720	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr5-484	27.76698	-0.75011	0.433509	-1.73032	0.083573	0.285529	chr5	48432744	48433002	+	0	NA	Intergeni	ALR/Alph	2008415	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr21-11	15.17795	-0.99043	0.572461	-1.73012	0.083609	0.285529	chr21	11925885	11928214	+	0	NA	Intergeni	ALR/Alph	-1111117	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr22-14	15.17795	-0.99043	0.572461	-1.73012	0.083609	0.285529	chr22	14237520	14238209	+	0	NA	Intergeni	ALR/Alph	-1290295	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr21-79	17.67995	-0.91731	0.530622	-1.72875	0.083854	0.285529	chr21	7982709	7983245	+	0	NA	Intergeni	ALR/Alph	-153345	NM_00136	1.03E+08		NM_00133	ENSG0000	KCNE1B	-	potassiu	protein-coding
chr18-15	15.10727	-0.99568	0.57604	-1.7285	0.083899	0.285529	chr18	15689059	15690133	+	0	NA	Intergeni	ALR/Alph	-363677	NR_027417	644669	Hs.57947	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr22-13	25.24329	-0.77453	0.44819	-1.72812	0.083967	0.285529	chr22	13496768	13497424	+	0	NA	Intergeni	ALR/Alph	1599690	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr22-13	24.12394	-0.79247	0.459018	-1.72644	0.084268	0.285529	chr22	13637866	13638442	+	0	NA	Intergeni	ALR/Alph	1740748	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr3-919	16.68026	-0.9418	0.545576	-1.72625	0.084303	0.285529	chr3	91987861	91988216	+	0	NA	Intergeni	ALR/Alph	1986043	NM_00131	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr20-27	22.71401	-0.812	0.470669	-1.72521	0.08449	0.285529	chr20	27533374	27533614	+	0	NA	Intergeni	ALR/Alph	1069171	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr22-15	17.70444	-0.9143	0.530084	-1.72482	0.084559	0.285529	chr22	15021994	15022633	+	0	NA	Intergeni	ALR/Alph	-505846	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-488	20.16024	-0.86182	0.499888	-1.72403	0.084703	0.285529	chr5	48861644	48861965	+	0	NA	Intergeni	ALR/Alph	1579484	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr14-16	16.60958	-0.94652	0.549302	-1.72314	0.084863	0.285529	chr14	16821092	16822416	+	0	NA	Intergeni	ALR/Alph	-1779363	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-40	42.13335	-0.61133	0.354781	-1.72312	0.084866	0.285529	chr10	40594513	40596731	+	0	NA	Intergeni	ALR/Alph	1772423	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr13-17	16.18042	-0.95525	0.55446	-1.72284	0.084917	0.285529	chr13	17408988	17409410	+	0	NA	Intergeni	ALR/Alph	-786098	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-88	19.22845	-0.88013	0.510939	-1.72258	0.084965	0.285529	chr21	8833564	8834663	+	0	NA	Intergeni	L1MC4a|L	-152886	NR_037421	1.01E+08		NR_037421	ENSG0000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr22-137	17.20459	-0.92607	0.537716	-1.72223	0.085027	0.285529	chr22	13701894	13703219	+	0	NA	Intergeni	ALR/Alph	1805150	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr6-596	18.13638	-0.90296	0.524343	-1.72209	0.085053	0.285529	chr6	59683252	59683754	+	0	NA	Intergeni	ALR/Alph	-1722057	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr22-12	18.70691	-0.88837	0.515983	-1.7217	0.085123	0.285529	chr22	12868316	12872660	+	0	NA	Intergeni	Intergeni	973082	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr17-26	101.6333	-0.42273	0.245542	-1.72163	0.085137	0.285529	chr17	26468498	26468746	+	0	NA	Intergeni	ALR/Alph	620619	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-12	22.12178	-0.82069	0.476924	-1.72079	0.085289	0.285529	chr21	12845730	12846119	+	0	NA	Intergeni	ALR/Alph	-192242	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr10-40	34.82942	-0.66227	0.384942	-1.72045	0.085351	0.285529	chr10	40878641	40879804	+	0	NA	Intergeni	ALR/Alph	1488823	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-127	16.65856	-0.94007	0.54655	-1.72001	0.08543	0.285529	chr21	12749948	12750877	+	0	NA	Intergeni	ALR/Alph	-287754	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr8-455	15.6099	-0.97465	0.566713	-1.71983	0.085463	0.285529	chr8	45567175	45567749	+	0	NA	Intergeni	ALR/Alph	1050181	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr22-14	22.6489	-0.80808	0.470321	-1.71815	0.08577	0.285529	chr22	14244688	14246892	+	0	NA	Intergeni	ALR/Alph	-1282369	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-27	20.72798	-0.85385	0.497047	-1.71785	0.085824	0.285529	chr20	27636551	27637602	+	0	NA	Intergeni	ALR/Alph	965589	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr21-10	17.18289	-0.9244	0.538186	-1.71761	0.085867	0.285529	chr21	10416860	10419795	+	0	NA	intron (	intron (	4795	NM_18248	85319	Hs.54578	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr8-450	34.14091	-0.67669	0.394005	-1.71746	0.085895	0.285529	chr8	45035644	45035883	+	0	NA	Intergeni	ALR/Alph	1581880	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr14-16	24.15401	-0.78343	0.456346	-1.71675	0.086025	0.285529	chr14	16620669	16621909	+	0	NA	Intergeni	ALR/Alph	-1979828	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-40	80.40264	-0.45914	0.267514	-1.71633	0.086102	0.285529	chr10	40019603	40020668	+	0	NA	Intergeni	ALR/Alph	1323539	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr14-16	15.63439	-0.9712	0.56587	-1.71629	0.086109	0.285529	chr14	16661395	16662330	+	0	NA	Intergeni	ALR/Alph	-1939255	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr20-281	15.63439	-0.9712	0.56587	-1.71629	0.086109	0.285529	chr20	28175548	28176148	+	0	NA	Intergeni	ALR/Alph	426817	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr22-12	17.66103	-0.91104	0.530958	-1.71583	0.086192	0.285529	chr22	12885646	12887770	+	0	NA	Intergeni	Intergeni	989302	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr15-197	37.29638	-0.64273	0.374695	-1.71535	0.086281	0.285529	chr15	19782307	19782509	+	0	NA	Intergeni	ALR/Alph	-500336	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr21-88	21.25789	-0.83553	0.487132	-1.7152	0.086308	0.285529	chr21	8862931	8868354	+	0	NA	Intergeni	Intergeni	-121357	NR_037421	1.01E+08		NR_037421	ENSG0000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr9-450	18.77201	-0.89308	0.520884	-1.71455	0.086427	0.285529	chr9	45082617	45082902	+	0	NA	Intergeni	ALR/Alph	1956593	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr20-27	18.18537	-0.89711	0.523378	-1.71408	0.086514	0.285529	chr20	27577910	27578144	+	0	NA	Intergeni	ALR/Alph	1024638	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-267	19.11716	-0.87682	0.511711	-1.7135	0.08662	0.285529	chr20	26709416	26710235	+	0	NA	Intergeni	ALR/Alph	-500592	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr13-17	20.09514	-0.85745	0.500787	-1.71221	0.086858	0.285529	chr13	17225368	17225586	+	0	NA	Intergeni	ALR/Alph	-969820	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr10-41	21.73882	-0.82307	0.480781	-1.71194	0.086908	0.285529	chr10	41589368	41589649	+	0	NA	Intergeni	ALR/Alph	778537	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr20-28	22.07559	-0.82179	0.48013	-1.71159	0.086973	0.285529	chr20	28443183	28443541	+	0	NA	Intergeni	ALR/Alph	159303	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-40	33.32431	-0.67329	0.393451	-1.71123	0.087038	0.285529	chr10	40400066	40400809	+	0	NA	Intergeni	ALR/Alph	1703841	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr21-121	16.08804	-0.95834	0.560035	-1.71122	0.08704	0.285529	chr21	12195935	12196533	+	0	NA	Intergeni	ALR/Alph	-841932	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr20-281	21.19278	-0.83137	0.485852	-1.71115	0.087053	0.285529	chr20	28112876	28113545	+	0	NA	Intergeni	ALR/Alph	489455	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr21-11	20.19031	-0.85102	0.497364	-1.71105	0.087071	0.285529	chr21	11870581	11871254	+	0	NA	Intergeni	ALR/Alph	-1167249	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr22-141	20.19031	-0.85102	0.497364	-1.71105	0.087071	0.285529	chr22	14131196	14132091	+	0	NA	Intergeni	ALR/Alph	-1396516	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-29	21.14659	-0.83246	0.486536	-1.711	0.087081	0.285529	chr20	29496123	29496334	+	0	NA	intron (	intron (	1106	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr4-498	17.59035	-0.91546	0.53506	-1.71094	0.087092	0.285529	chr4	49862168	49862766	+	0	NA	Intergeni	ALR/Alph	875825	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr13-16	20.62226	-0.84264	0.493243	-1.70836	0.08757	0.28682	chr13	16573423	16574945	+	0	NA	Intergeni	ALR/Alph	-1621113	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr8-455	27.62065	-0.7363	0.431452	-1.70657	0.087902	0.287634	chr8	45534749	45535073	+	0	NA	Intergeni	ALR/Alph	1082732	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr14-17	21.17108	-0.82996	0.486783	-1.705	0.088195	0.28807	chr14	17010192	17010423	+	0	NA	Intergeni	ALR/Alph	-1590810	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr13-17	17.06602	-0.93043	0.545723	-1.70495	0.088204	0.28807	chr13	17216205	17216412	+	0	NA	Intergeni	ALR/Alph	-978989	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-12	25.72979	-0.75878	0.445185	-1.70442	0.088302	0.288118	chr21	12039671	12039921	+	0	NA	Intergeni	ALR/Alph	-998370	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr21-12	62.21236	-0.51321	0.301409	-1.7027	0.088624	0.288893	chr21	12866804	12867122	+	0	NA	Intergeni	ALR/Alph	-171203	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr10-41	22.93838	-0.82099	0.482364	-1.70202	0.088751	0.289033	chr10	41013782	41013998	+	0	NA	Intergeni	ALR/Alph	1354155	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-11	17.13949	-0.92097	0.541851	-1.69968	0.089191	0.290175	chr21	11220331	11220724	+	0	NA	Intergeni	ALR/Alph	699013	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr20-26	22.67618	-0.8021	0.472033	-1.69925	0.089272	0.290175	chr20	26530407	26531231	+	0	NA	Intergeni	ALR/Alph	-321586	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr21-12	24.55031	-0.79403	0.467423	-1.69874	0.089369	0.290216	chr21	12007662	12008152	+	0	NA	Intergeni	ALR/Alph	-1030259	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr20-277	39.17492	-0.62126	0.36582	-1.69826	0.08946	0.290235	chr20	27716444	27717125	+	0	NA	Intergeni	ALR/Alph	885881	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-6061	31.40617	-0.69187	0.40761	-1.69738	0.089625	0.290497	chr9	60610041	60611353	+	0	NA	Intergeni	ALR/Alph	-303710	NM_00111	727905	Hs.645497	NM_00111	ENSG0000	SPATA31A	FAM75A5	SPATA31	protein-coding
chr21-12	30.84123	-0.69145	0.407471	-1.69692	0.089711	0.290501	chr21	12520021	12521485	+	0	NA	Intergeni	ALR/Alph	-517413	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr21-117	16.09083	-0.95315	0.562091	-1.69573	0.089937	0.290587	chr21	11720808	11721155	+	0	NA	Intergeni	ALR/Alph	1199467	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr5-485	41.53058	-0.60441	0.356438	-1.69569	0.089944	0.290587	chr5	48520692	48521036	+	0	NA	Intergeni	ALR/Alph	1920424	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr3-195	15.4645	0.98922	0.583521	1.695261	0.090026	0.290587	chr3	1.95E+08	1.95E+08	+	0	NA	Intergeni	Intergeni	-40445	NM_012287	23527	Hs.59337	NM_012287	ENSG0000	ACAP2	CENTB2|C	ArfGAP wi	protein-coding
chr1-123	61.72975	-0.51318	0.302765	-1.69499	0.090077	0.290587	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2124660	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-1237	34.40584	-0.65724	0.38802	-1.69383	0.090298	0.290812	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2182162	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr13-17	19.62258	-0.8592	0.507359	-1.69347	0.090366	0.290812	chr13	17270645	17270889	+	0	NA	Intergeni	ALR/Alph	-924530	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr5-483	39.00906	-0.62644	0.37002	-1.69299	0.090457	0.290812	chr5	48341501	48342394	+	0	NA	Intergeni	ALR/Alph	2099341	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr8-451	39.06641	-0.61722	0.364606	-1.69284	0.090486	0.290812	chr8	45187917	45189048	+	0	NA	Intergeni	ALR/Alph	1429161	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr10-40	63.55156	-0.49825	0.29559	-1.6856	0.091873	0.294888	chr10	40462768	40463092	+	0	NA	Intergeni	ALR/Alph	1766334	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr22-14	18.69079	-0.87789	0.520901	-1.68532	0.091927	0.294888	chr22	14472461	14472692	+	0	NA	Intergeni	ALR/Alph	-1055583	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr21-12	21.7661	-0.81672	0.484805	-1.68464	0.092058	0.295032	chr21	12030993	12031199	+	0	NA	Intergeni	ALR/Alph	-1007070	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr14-16	18.75868	-0.87812	0.521555	-1.68366	0.092247	0.295362	chr14	16442983	16443773	+	0	NA	Intergeni	ALR/Alph	-2157739	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr20-26	28.37706	-0.71694	0.426417	-1.68131	0.092703	0.296509	chr20	26440908	26442291	+	0	NA	Intergeni	ALR/Alph	-232366	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr21-11	28.81458	-0.70754	0.420922	-1.68092	0.092778	0.296509	chr21	11865256	11865688	+	0	NA	Intergeni	ALR/Alph	-1172694	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr5-484	29.29272	-0.70343	0.418589	-1.68047	0.092866	0.296514	chr5	48452304	48452647	+	0	NA	Intergeni	ALR/Alph	1988813	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-28	30.75163	-0.69019	0.41096	-1.67945	0.093063	0.296867	chr20	28480878	28482072	+	0	NA	Intergeni	ALR/Alph	121190	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-41	29.4964	-0.70437	0.41955	-1.67887	0.093178	0.296956	chr10	41017894	41018113	+	0	NA	Intergeni	ALR/Alph	1350042	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr4-510	16.186	-0.94473	0.562903	-1.67832	0.093284	0.297017	chr4	51040020	51040451	+	0	NA	Intergeni	ALR/Alph	-802765	NM_01511	23142	Hs.60538	NM_01511	ENSG0000	DCUN1D4	-	defectiv	protein-coding
chr19-26	17.4945	0.922744	0.550315	1.676757	0.09359	0.297715	chr19	26291040	26291244	+	0	NA	Intergeni	ALR/Alph	-1502289	NR_14673	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr6-593	104.5093	-0.40414	0.241278	-1.67502	0.093931	0.298523	chr6	59399299	59399569	+	0	NA	Intergeni	ALR/Alph	-1437988	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr22-14	19.19342	-0.864	0.516522	-1.67272	0.094383	0.29968	chr22	14328087	14328376	+	0	NA	Intergeni	ALR/Alph	-1199928	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr4-503	37.03976	-0.62559	0.374199	-1.67181	0.094562	0.299971	chr4	50328228	50328538	+	0	NA	Intergeni	ALR/Alph	1341741	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr11-537	61.5928	-0.49954	0.298948	-1.67101	0.09472	0.300195	chr11	53788549	53788792	+	0	NA	Intergeni	ALR/Alph	815328	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactory	protein-coding
chr5-4737	57.913	-0.51181	0.306407	-1.67035	0.09485	0.300274	chr5	47377130	47377606	+	0	NA	Intergeni	ALR/Alph	-1680988	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr1-124	21.01856	-0.85406	0.511521	-1.66965	0.094988	0.300274	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2534167	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr17-247	46.65318	-0.57071	0.341833	-1.66955	0.095008	0.300274	chr17	24745946	24746177	+	0	NA	Intergeni	ALR/Alph	2222950	NM_00119	1E+08	Hs.74018	NM_00119	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4881	71.43053	-0.47042	0.282014	-1.66809	0.095298	0.300699	chr5	48810843	48811822	+	0	NA	Intergeni	ALR/Alph	1629956	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-40	49.66617	-0.55972	0.335564	-1.66799	0.095318	0.300699	chr10	40991067	40991338	+	0	NA	Intergeni	ALR/Alph	1376843	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr1-122	45.72139	-0.57183	0.343563	-1.66442	0.096028	0.30266	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1008312	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr15-18	24.87538	-0.74714	0.449217	-1.66321	0.096271	0.303148	chr15	18545551	18546509	+	0	NA	Intergeni	ALR/Alph	-1736714	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr1-123	23.8946	-0.7612	0.458235	-1.66117	0.09668	0.303734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1861352	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr22-14	21.41436	-0.84407	0.508174	-1.66098	0.096718	0.303734	chr22	14318516	14318721	+	0	NA	Intergeni	ALR/Alph	-1209541	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding

chr13-171	25.88064	-0.73218	0.440951	-1.66045	0.096824	0.303734	chr13	17114028	17115564	+	0	NA	Intergeni	ALR/Alpha	-1080501	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-409	64.08984	-0.49095	0.295839	-1.65952	0.097012	0.303734	chr10	40923972	40925120	+	0	NA	Intergeni	ALR/Alpha	1443499	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4832	36.59834	-0.64066	0.38653	-1.65745	0.097428	0.303734	chr5	48321979	48322219	+	0	NA	Intergeni	ALR/Alpha	2119189	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr15-170	25.3563	-0.73832	0.445515	-1.65724	0.097471	0.303734	chr15	17093382	17093632	+	0	NA	Intergeni	ALR/Alpha	-3189237	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1226	55.48944	-0.51937	0.313429	-1.65706	0.097507	0.303734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1163963	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1245	33.59761	-0.64586	0.390147	-1.65544	0.097835	0.303734	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2993717	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-284	22.84594	-0.77621	0.468907	-1.65536	0.097851	0.303734	chr20	28417539	28417949	+	0	NA	Intergeni	ALR/Alpha	184921	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-276	22.87043	-0.77392	0.467599	-1.65509	0.097907	0.303734	chr20	27658635	27659718	+	0	NA	Intergeni	ALR/Alpha	943489	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-8564	15.89653	-0.92687	0.560354	-1.65408	0.098111	0.303734	chr8	85645401	85649011	+	0	NA	Intergeni	Intergeni	8470	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-275	24.83197	-0.74473	0.450581	-1.65282	0.098368	0.303734	chr20	27537881	27538327	+	0	NA	Intergeni	ALR/Alpha	1064561	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr3-9184	33.14117	-0.64951	0.392976	-1.6528	0.098371	0.303734	chr3	91846693	91847208	+	0	NA	Intergeni	ALR/Alpha	2127131	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr13-170	22.82145	-0.77854	0.471047	-1.65278	0.098375	0.303734	chr13	17029104	17029907	+	0	NA	Intergeni	ALR/Alpha	-1165792	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-251	101.4624	-0.40937	0.247743	-1.65241	0.098452	0.303734	chr17	25139805	25140052	+	0	NA	Intergeni	ALR/Alpha	1949313	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-267	69.52076	-0.46927	0.284143	-1.65153	0.09863	0.303734	chr19	26754027	26754268	+	0	NA	Intergeni	ALR/Alpha	-1039284	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-254	27.96301	-0.73063	0.442516	-1.65109	0.098721	0.303734	chr19	25496035	25496273	+	0	NA	Intergeni	ALR/Alpha	-1332707	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-5917	15.39947	-0.9351	0.566566	-1.65047	0.098848	0.303734	chr7	59172526	59172973	+	0	NA	Intergeni	ALR/Alpha	1722572	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr3-7585	16.37746	-0.90738	0.549861	-1.6502	0.098902	0.303734	chr3	75859662	75860574	+	0	NA	Intergeni	Intergeni	-74569	NM_001290	1E+08	Hs.556877	NM_001128	ENSG00000	ZNF717	OB1|X17|Z	zinc fing	protein-coding
chr10-415	22.37059	-0.77955	0.472411	-1.65016	0.09891	0.303734	chr10	41537733	41538078	+	0	NA	Intergeni	ALR/Alpha	830140	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4957	19.88471	-0.82602	0.500623	-1.64998	0.098947	0.303734	chr4	49572377	49578989	+	0	NA	Intergeni	MSTA-int|	589041	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-298	20.36285	-0.81705	0.495215	-1.64988	0.098968	0.303734	chr20	29873133	29882324	+	0	NA	Intergeni	Intergeni	-2656	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr19-263	71.91035	-0.47166	0.286066	-1.64878	0.099192	0.303734	chr19	26358831	26359037	+	0	NA	Intergeni	ALR/Alpha	-1434497	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-117	20.38735	-0.81447	0.49399	-1.64875	0.099198	0.303734	chr21	11703771	11703970	+	0	NA	Intergeni	ALR/Alpha	1182356	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4935	92.925	-0.4234	0.256808	-1.6487	0.099208	0.303734	chr5	49351635	49351914	+	0	NA	Intergeni	ALR/Alpha	1089514	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr8-8577	21.34363	-0.79793	0.484022	-1.64854	0.099242	0.303734	chr8	85772118	85778993	+	0	NA	non-codin	non-codin	538	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr21-120	15.87761	-0.91988	0.558016	-1.64848	0.099255	0.303734	chr21	12015277	12017193	+	0	NA	Intergeni	ALR/Alpha	-1021931	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-128	17.92596	-0.86842	0.527128	-1.64746	0.099463	0.303734	chr22	12873492	12878924	+	0	NA	Intergeni	L1PA4|LIN	978802	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-4351	19.90921	-0.82338	0.499825	-1.64734	0.099489	0.303734	chr9	43516621	43516946	+	0	NA	Intergeni	ALR/Alpha	390617	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-283	19.35759	-0.84098	0.510516	-1.64732	0.099492	0.303734	chr20	28330403	28331249	+	0	NA	Intergeni	ALR/Alpha	271839	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-884	18.3824	-0.85566	0.519482	-1.64713	0.099531	0.303734	chr21	8849453	8850376	+	0	NA	Intergeni	Intergeni	-137085	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr13-173	32.51888	-0.65941	0.400349	-1.6471	0.099538	0.303734	chr13	17359794	17360299	+	0	NA	Intergeni	ALR/Alpha	-835251	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-145	20.83431	-0.83103	0.504634	-1.64679	0.099601	0.303734	chr22	14590484	14590768	+	0	NA	Intergeni	ALR/Alpha	-937533	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr13-176	19.83852	-0.8272	0.502391	-1.64653	0.099654	0.303734	chr13	17654342	17657039	+	0	NA	Intergeni	ALR/Alpha	-539607	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-927	15.92381	-0.91835	0.557905	-1.64606	0.099751	0.303734	chr21	9275740	9276951	+	0	NA	Intergeni	Intergeni	-146584	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr21-918	19.43107	-0.83277	0.506301	-1.6448	0.10001	0.303734	chr21	9186026	9190432	+	0	NA	Intergeni	L1PA4|LIN	-58468	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chrY-5686	19.43107	-0.83277	0.506301	-1.6448	0.10001	0.303734	chrY	56868600	56875371	+	0	NA	Intergeni	Intergeni	-82270	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr21-103	18.88503	-0.84235	0.512463	-1.64372	0.100234	0.303734	chr21	10368104	10368958	+	0	NA	Intergeni	Intergeni	-44989	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr13-173	17.35823	-0.8783	0.534435	-1.64341	0.100297	0.303734	chr13	17392507	17393993	+	0	NA	Intergeni	ALR/Alpha	-802047	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-270	18.83326	-0.8524	0.518692	-1.64336	0.100308	0.303734	chr20	27099228	27102270	+	0	NA	Intergeni	ALR/Alpha	-891516	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-273	19.36317	-0.83245	0.506554	-1.64336	0.100309	0.303734	chr20	27389969	27392403	+	0	NA	Intergeni	ALR/Alpha	-1181953	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-168	20.35728	-0.82535	0.502314	-1.6431	0.100363	0.303734	chr14	16879273	16880819	+	0	NA	Intergeni	ALR/Alpha	-1721071	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr6-5904	18.3607	-0.85407	0.519884	-1.64282	0.100421	0.303734	chr6	59041222	59042642	+	0	NA	Intergeni	ALR/Alpha	-1080486	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4845	46.92089	-0.55542	0.338091	-1.64281	0.100423	0.303734	chr5	48454223	48454422	+	0	NA	Intergeni	ALR/Alpha	1986966	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-277	32.79223	-0.66325	0.403865	-1.64226	0.100536	0.303734	chr20	27779784	27780072	+	0	NA	Intergeni	ALR/Alpha	822737	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr14-165	21.29464	-0.80295	0.488988	-1.64206	0.100578	0.303734	chr14	16515439	16515800	+	0	NA	Intergeni	ALR/Alpha	-2085498	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr12-353	19.97431	-0.82788	0.504484	-1.64104	0.100789	0.303734	chr12	35315739	35316190	+	0	NA	Intergeni	ALR/Alpha	1293468	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr6-5869	23.32966	-0.76247	0.464766	-1.64054	0.100893	0.303734	chr6	58690312	58691148	+	0	NA	Intergeni	ALR/Alpha	-729284	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1232	20.91447	-0.80099	0.488302	-1.64036	0.10093	0.303734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1769817	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-268	23.8078	-0.75618	0.461225	-1.63951	0.101107	0.303734	chr20	26848548	26848774	+	0	NA	Intergeni	ALR/Alpha	-639428	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-268	19.8658	-0.82043	0.500462	-1.63934	0.101142	0.303734	chr20	26892280	26893265	+	0	NA	Intergeni	ALR/Alpha	-683539	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4885	63.48529	-0.48389	0.295207	-1.63915	0.101182	0.303734	chr5	48850687	48851635	+	0	NA	Intergeni	ALR/Alpha	1590127	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-412	35.61092	-0.62757	0.383187	-1.63775	0.101473	0.303734	chr10	41295912	41296133	+	0	NA	Intergeni	ALR/Alpha	1072023	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-5954	45.68736	-0.56101	0.342564	-1.63768	0.101489	0.303734	chr7	59542259	59542511	+	0	NA	Intergeni	ALR/Alpha	2092208	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-411	74.42456	-0.45209	0.276142	-1.63717	0.101595	0.303734	chr10	41124908	41126501	+	0	NA	Intergeni	ALR/Alpha	1242341	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-169	21.77557	-0.79134	0.483396	-1.63703	0.101623	0.303734	chr13	16948113	16948346	+	0	NA	Intergeni	ALR/Alpha	-1247068	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-150	21.84905	-0.7841	0.478974	-1.63703	0.101624	0.303734	chr22	15004692	15005901	+	0	NA	Intergeni	ALR/Alpha	-522863	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4849	21.96313	-0.78339	0.478716	-1.63643	0.101749	0.303734	chr5	48495931	48496277	+	0	NA	Intergeni	ALR/Alpha	1945184	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-167	18.31451	-0.85537	0.522717	-1.63639	0.101759	0.303734	chr14	16774623	16775112	+	0	NA	Intergeni	ALR/Alpha	-1826250	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr3-9264	15.8804	-0.91472	0.55908	-1.63611	0.101816	0.303734	chr3	92641803	92642040	+	0	NA	Intergeni	ALR/Alpha	1332160	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr22-135	28.17622	-0.74988	0.458394	-1.63588	0.101865	0.303734	chr22	13584462	13584720	+	0	NA	Intergeni	ALR/Alpha	1687185	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr7-5999	48.66365	-0.5411	0.330879	-1.63535	0.101977	0.303801	chr7	59994864	59996722	+	0	NA	Intergeni	ALR/Alpha	2545616	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-266	43.97858	-0.565	0.345701	-1.63435	0.102186	0.304002	chr19	26632240	26632465	+	0	NA	Intergeni	ALR/Alpha	-1161079	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-409	20.50143	-0.81367	0.497909	-1.63418	0.102221	0.304002	chr10	40947474	40947821	+	0	NA	Intergeni	ALR/Alpha	1420398	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-118	16.95077	-0.88626	0.542767	-1.63286	0.102499	0.304101	chr22	11871327	11875605	+	0	NA	Intergeni	Intergeni	-23940	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-271	22.75634	-0.77463	0.47447	-1.63263	0.102547	0.304101	chr20	27164431	27165710	+	0	NA	Intergeni	ALR/Alpha	-955837	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-250	19.36596	-0.82822	0.507338	-1.63249	0.102576	0.304101	chr19	25030561	25030771	+	0	NA	Intergeni	ALR/Alpha	-867219	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-172	16.81219	-0.89054	0.545562	-1.63233	0.10261	0.304101	chr14	17299046	17300169	+	0	NA	Intergeni	ALR/Alpha	-1301510	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-143	52.97249	-0.53169	0.325959	-1.63114	0.102861	0.304547	chr22	14383697	14383912	+	0	NA	Intergeni	ALR/Alpha	-1144355	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr11-524	33.25805	-0.64667	0.396541	-1.63077	0.102938	0.304547	chr11	52428265	52428557	+	0	NA	Intergeni	ALR/Alpha	2019264	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr13-178	19.31977	-0.82941	0.509586	-1.62761	0.103608	0.306265	chr13	17860679	17862262	+	0	NA	Intergeni	ALR/Alpha	-333827	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-260	29.46695	-0.68793	0.422818	-1.62701	0.103736	0.306378	chr19	26032345	26032548	+	0	NA	Intergeni	ALR/Alpha	-1760985	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-275	22.30548	-0.77553	0.476911	-1.62615	0.103918	0.306653	chr20	27502961	27504293	+	0	NA	Intergeni	ALR/Alpha	1099038	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-929	20.85433	-0.82258	0.506048	-1.6255	0.104055	0.306794	chr21	9298968	9299194	+	0	NA	Intergeni	HERVK14-i	-169320	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr22-135	18.38798	-0.84673	0.521402	-1.62396	0.104385	0.307499	chr22	13539170	13539388	+	0	NA	Intergeni	ALR/Alpha	1641873	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr15-194	23.51443	-0.75857	0.467256	-1.62346	0.104491	0.307547	chr15	19417277	19417603	+	0	NA	Intergeni	ALR/Alpha	-865304	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4888	30.55454	-0.67843	0.418083	-1.62271	0.104651	0.307755	chr5	48889232	48889467	+	0	NA	Intergeni	ALR/Alpha	1551939	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1246	46.19947	-0.54845	0.339083	-1.61746	0.105779	0.310657	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3104250	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-172	27.62339	-0.69475	0.429582	-1.61727	0.105819	0.310657	chr14	17265427	17265826	+	0	NA	Intergeni	ALR/Alpha	-1335491	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr17-261	31.48137	-0.65626	0.405922	-1.61671	0.105941	0.310748	chr17	26127964	26128234	+	0	NA	Intergeni	ALR/Alpha	961142	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-250	31.57654	-0.6523	0.404144	-1.61404	0.106519	0.311929	chr19	25034252	25034905	+	0	NA	Intergeni	ALR/Alpha	-871131	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1241	71.61423	-0.45771	0.283602	-1.61391	0.106548	0.311929	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2645241	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1245	16.40753	-0.89404	0.554067	-1.61359	0.106617	0.311929	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3072999	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-125	17.84195	-0.85725	0.531629	-1.61249	0.106855	0.31236	chr21	12557926	12558157	+	0	NA	Intergeni	ALR/Alpha	-480125	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr12-372	41.63462	-0.60776	0.377079	-1.61177	0.107013	0.312516	chr12	37237308	37240633	+	0	NA	Intergeni	ALR/Alpha	-1077804	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr10-402	35.24519	-0.62496	0.387839	-1.61139	0.107094	0.312516	chr10	40262593	40263159	+	0	NA	Intergeni	ALR/Alpha	1566280	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-403	26.62092	-0.70417	0.437175	-1.61074	0.107237	0.312516	chr10	40371504	40372373	+	0	NA	Intergeni	ALR/Alpha	1675342	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-265	27.03116	-0.69945	0.434369	-1.61027	0.10734	0.312516	chr20	26503015	26504383	+	0	NA	Intergeni	ALR/Alpha	-294466	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4377	21.35199	-0.78631	0.488343	-1.61015	0.107365	0.312516	chr9	43779790	43780042	+	0	NA	Intergeni	ALR/Alpha	653750	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4894	56.65949	-0.49828	0.309734	-1.60875	0.107671	0.313141	chr5	48949791	48951007	+	0	NA	Intergeni	ALR/Alpha	1490889	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4929	34.77821	-0.61751	0.384124	-1.60759	0.107926	0.313617	chr5	49298089	49298369	+	0	NA	Intergeni	ALR/Alpha	1143059	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4827	51.80578	-0.51991	0.323543	-1.60693	0.108069	0.313768	chr5	48274576	48274809	+	0	NA	Intergeni	ALR/Alpha	2166596	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-265	39.13324	-0.59544	0.370715	-1.6062	0.10823	0.31388	chr17	26548951	26549501	+	0	NA	Intergeni	ALR/Alpha	540015	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1239	30.64592	-0.68225	0.424837	-1.60592	0.108291	0.31388	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2465115	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4831	26.12386	-0.70441	0.438791	-1.60535	0.108418	0.31398	chr5	48310822	48311021	+	0	NA	Intergeni	ALR/Alpha	2130367	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-284	114.224	-0.65259	0.406779	-1.60429	0.108649	0.314048	chr20	28494769	28498106	+	0	NA	Intergeni	ALR/Alpha	106228	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-278	54.18695	-0.50732	0.316278	-1.60402	0.10871	0.314048	chr20	27860068	27860533	+	0	NA	Intergeni	ALR/Alpha	742365	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-113	24.76966	-0.73757	0.459837	-1.60399	0.108716	0.314048	chr21	11341698	11341904	+	0	NA	Intergeni	ALR/Alpha	820287	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-128	26.02869	-0.70925	0.442375	-1.60329	0.108872	0.314078	chr21	12808581	12808881	+	0	NA	Intergeni	ALR/Alpha	-229435	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr14-175	25.59953	-0.70992	0.44289	-1.60294	0.108949	0.314078	chr14	17535398	17537984	+	0	NA	Intergeni	ALR/Alpha	-1064426	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4958	54.16804	-0.50513	0.315192	-1.60261	0.10902	0.314078	chr5	49587952	49588295	+	0	NA	Intergeni	ALR/Alpha	853165	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4806	17.3883	-0.86565	0.540259	-1.60228	0.109093	0.314078	chr5	48061000	48061207	+	0	NA	Intergeni	ALR/Alpha	-2364723	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-279	26.03148	-0.70607	0.440828	-1.60168	0.109226	0.314196	chr20	27956796	27959073	+	0	NA	Intergeni	ALR/Alpha	644731	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1230	78.36154	-0.43182	0.270055	-1.59902	0.109816	0.315389	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1539416	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5152	15.42954	-0.92063	0.575762	-1.59898	0.109825	0.315389	chr4	51526159	51526397	+	0	NA	Intergeni	ALR/Alpha	-316722	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr19-258	133.3617	-0.35172	0.220108	-1.59794	0.110057	0.315791	chr19	25872310	25872538	+	0	NA	Intergeni	ALR/Alpha	-1708977	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-5968	26.03427	-0.70291	0.440472	-1.59582	0.11053	0.316884	chr6	59684889	59685463	+	0	NA	Intergeni	ALR/Alpha	-1723730	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-262	26.5369	-0.69649	0.43675	-1.5947	0.110778	0.31733	chr19	26216738	26216986	+	0	NA	Intergeni	ALR/Alpha	-1576569	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-167	27.99581	-0.68227	0.428199	-1.59335	0.111083	0.317936	chr14	16747172	16747580	+	0	NA	Intergeni	ALR/Alpha	-1853741	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-143	26.58588	-0.69258	0.436887	-1.58527	0.112905	0.320691	chr22	14389952	14391846	+	0	NA	Intergeni	ALR/Alpha	-1137260	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-272	22.08948	-0.75415	0.475763	-1.58513	0.112937	0.320691	chr20	27214300	27216343	+	0	NA	Intergeni	ALR/Alpha	-1006088	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr8-4434	22.08948	-0.75415	0.475763	-1.58513	0.112937	0.320691	chr8	44341242	44341546	+	0	NA	Intergeni	ALR/Alpha	1048952	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr15-191	25.55892	-0.70435	0.44455	-1.58442	0.113099	0.320691	chr15	19112832	19113103	+	0	NA	Intergeni	ALR/Alpha	-1169777	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr20-283	22.63831	-0.74445	0.469897	-1.58428	0.113129	0.320691	chr20	28341110	28342076	+	0	NA	Intergeni	ALR/Alpha	261072	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5981	40.21577	-0.57927	0.365693	-1.58403	0.113187	0.320691	chr7	59813821	59814117	+	0	NA	Intergeni	ALR/Alpha	2363792	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4842	52.17922	-0.51123	0.322831	-1.58357	0.113292	0.320691	chr5	48424569	48424806	+	0	NA	Intergeni	ALR/Alpha	2016601	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-141	22.06778	-0.75279	0.475663	-1.58262	0.113508	0.320691	chr22	14147834	14149150	+	0	NA	Intergeni	ALR/Alpha	-1379667	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-267	22.57041	-0.74409	0.470179	-1.58258	0.113518	0.320691	chr20	26731530	26732097	+	0	NA	Intergeni	ALR/Alpha	-522580	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr8-8580	20.92284	-0.78878	0.498765	-1.58146	0.113772	0.320691	chr8	85809936	85810176	+	0	NA	Intergeni	MIR|SINE|	-6495	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr14-174	30.78444	-0.64616	0.408605	-1.58137	0.113794	0.320691	chr14	17452288	17452635	+	0	NA	Intergeni	ALR/Alpha	-1148656	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr17-252	194.9907	-0.31359	0.198738	-1.57792	0.114584	0.320691	chr17	25242887	25243196	+	0	NA	Intergeni	ALR/Alpha	1846200	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-251	20.58717	-0.77499	0.491424	-1.57702	0.114791	0.320691	chr19	25108732	25109421	+	0	NA	Intergeni	ALR/Alpha	-945629	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4409	22.6411	-0.74084	0.469775	-1.57701	0.114793	0.320691	chr9	44094388	44094945	+	0	NA	Intergeni	ALR/Alpha	968500	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-116	20.56268	-0.77753	0.493062	-1.57694	0.114809	0.320691	chr21	11691787	11692877	+	0	NA	Intergeni	ALR/Alpha	1170818	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr18-155	36.49647	-0.59664	0.378734	-1.57536	0.115174	0.320691	chr18	15551181	15552900	+	0	NA	Intergeni	ALR/Alpha	-226121	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo

chr10-414	29.99686	-0.67724	0.429912	-1.57529	0.115189	0.320691	chr10	41481944	41482143	+	0	NA	Intergeni	ALR/Alph	886002	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr16-368	20.08175	-0.78951	0.501224	-1.57517	0.115216	0.320691	chr16	36858852	36859102	+	0	NA	Intergeni	ALR/Alph	1112425	NR_03398	400533	Hs.49913	NR_03398	ENSG0000	LINC02167	-	long int	ncRNA
chr20-268	20.06005	-0.78801	0.500416	-1.57471	0.115324	0.320691	chr20	26849707	26851918	+	0	NA	Intergeni	ALR/Alph	-641579	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr10-125	19.6281	-0.79515	0.505069	-1.57434	0.11541	0.320691	chr10	1.26E+08	1.26E+08	+	0	NA	intron (	intron (	8851	NM_00136	92565	Hs.352591	NM_14523	ENSG0000	FANK1	HSD13	fibronect	protein-coding
chr5-4911	20.54098	-0.77609	0.493355	-1.57308	0.1157	0.320691	chr5	49117822	49118084	+	0	NA	Intergeni	ALR/Alph	1323335	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr22-148	21.9971	-0.75624	0.480754	-1.57303	0.115713	0.320691	chr22	14850201	14850442	+	0	NA	Intergeni	ALR/Alph	-677838	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr22-143	29.80925	-0.64834	0.412355	-1.57228	0.115885	0.320691	chr22	14362795	14363344	+	0	NA	Intergeni	ALR/Alph	-1165090	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-1228	37.05366	-0.58619	0.373017	-1.57148	0.116071	0.320691	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1282941	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-4918	19.07928	-0.80788	0.514109	-1.57142	0.116084	0.320691	chr5	49186256	49186517	+	0	NA	Intergeni	ALR/Alph	1254902	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr13-172	19.60919	-0.78946	0.502636	-1.57063	0.116267	0.320691	chr13	17231269	17233559	+	0	NA	Intergeni	ALR/Alph	-962883	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-122	20.58996	-0.77103	0.491027	-1.57024	0.116358	0.320691	chr21	12274782	12276093	+	0	NA	Intergeni	ALR/Alph	-762729	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr18-155	15.09667	-0.89768	0.571735	-1.5701	0.116392	0.320691	chr18	15512512	15517435	+	0	NA	Intergeni	ALR/Alph	-189054	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr9-4402	15.09667	-0.89768	0.571735	-1.5701	0.116392	0.320691	chr9	44023347	44026039	+	0	NA	Intergeni	ALR/Alph	898527	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr20-274	21.99989	-0.75247	0.47927	-1.57003	0.116407	0.320691	chr20	27484652	27487888	+	0	NA	Intergeni	ALR/Alph	1116395	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr19-263	55.02139	-0.49831	0.31744	-1.56976	0.11647	0.320691	chr19	26390793	26391708	+	0	NA	Intergeni	ALR/Alph	-1402181	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-4769	23.12203	-0.73129	0.465895	-1.56965	0.116496	0.320691	chr5	47690718	47690982	+	0	NA	Intergeni	ALR/Alph	-1994470	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr21-122	24.93104	-0.72531	0.462104	-1.56959	0.116511	0.320691	chr21	12273736	12273942	+	0	NA	Intergeni	ALR/Alph	-764327	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr1-2367	21.57073	-0.75434	0.480887	-1.56865	0.11673	0.320691	chr1	2.37E+08	2.37E+08	+	0	NA	intron (	intron (	27429	NM_00127	88	Hs.49817	NM_00110	ENSG0000	ACTN2	CMD1AA|C	actinin	protein-coding
chr22-145	17.10161	-0.84333	0.537629	-1.56861	0.116739	0.320691	chr22	14535855	14536750	+	0	NA	Intergeni	ALR/Alph	-991857	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-269	16.09914	-0.86874	0.553831	-1.56861	0.116739	0.320691	chr20	26904891	26906112	+	0	NA	Intergeni	ALR/Alph	-696268	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr17-249	20.04114	-0.78242	0.498811	-1.56857	0.116747	0.320691	chr17	24921274	24921533	+	0	NA	Intergeni	ALR/Alph	2167838	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-104	15.621	-0.88197	0.562322	-1.56844	0.116779	0.320691	chr21	10447517	10448766	+	0	NA	intron (	intron (	34609	NM_18248	85319	Hs.54578	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr3-9218	15.57481	-0.8835	0.563417	-1.5681	0.116857	0.320691	chr3	92184253	92184667	+	0	NA	Intergeni	ALR/Alph	1789621	NM_001314	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr20-279	19.13105	-0.79805	0.509029	-1.56779	0.11693	0.320691	chr20	27989115	27991016	+	0	NA	Intergeni	ALR/Alph	612600	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr13-167	24.0566	-0.71892	0.45857	-1.56773	0.116943	0.320691	chr13	16779623	16779842	+	0	NA	Intergeni	ALR/Alph	-1415565	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr20-275	16.57728	-0.85635	0.546255	-1.56767	0.116958	0.320691	chr20	27591933	27593508	+	0	NA	Intergeni	ALR/Alph	1009945	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-6062	17.12052	-0.84991	0.542185	-1.56757	0.116981	0.320691	chr9	60623910	60625999	+	0	NA	Intergeni	ALR/Alph	-289453	NM_00111	727905	Hs.645497	NM_00111	ENSG0000	SPATA31A	FAM75A5	SPATA31	protein-coding
chr9-4398	22.98066	-0.73769	0.470662	-1.56735	0.117033	0.320691	chr9	43981511	43981991	+	0	NA	Intergeni	ALR/Alph	855585	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr20-288	20.54377	-0.77211	0.492733	-1.567	0.117116	0.320691	chr20	28876175	28877139	+	0	NA	Intergeni	ALR/Alph	-203733	NR_13231	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr21-114	20.54377	-0.77211	0.492733	-1.567	0.117116	0.320691	chr21	11437981	11439511	+	0	NA	Intergeni	ALR/Alph	917232	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr20-271	20.51928	-0.77465	0.494378	-1.56692	0.117133	0.320691	chr20	27104308	27107213	+	0	NA	Intergeni	ALR/Alph	-896527	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr10-412	30.31467	-0.64094	0.40905	-1.56689	0.11714	0.320691	chr10	41250085	41250665	+	0	NA	Intergeni	ALR/Alph	1117670	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr19-265	56.33499	-0.48629	0.310457	-1.56636	0.117264	0.320691	chr19	26572432	26573801	+	0	NA	Intergeni	ALR/Alph	-1220315	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr22-120	18.12858	-0.81795	0.52244	-1.56564	0.117432	0.320691	chr22	12048847	12049289	+	0	NA	Intergeni	L3|LINE|	151662	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr22-141	18.12858	-0.81795	0.52244	-1.56564	0.117432	0.320691	chr22	14169500	14170799	+	0	NA	Intergeni	ALR/Alph	-1358010	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr21-127	16.60177	-0.85319	0.544968	-1.56557	0.117449	0.320691	chr21	12747671	12748120	+	0	NA	Intergeni	ALR/Alph	-290271	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr20-279	18.53603	-0.81239	0.518946	-1.56546	0.117474	0.320691	chr20	27932864	27934346	+	0	NA	Intergeni	ALR/Alph	669060	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-4429	18.53603	-0.81239	0.518946	-1.56546	0.117474	0.320691	chr9	44292218	44292667	+	0	NA	Intergeni	ALR/Alph	1166276	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr22-148	19.03866	-0.80043	0.511517	-1.56481	0.117628	0.320691	chr22	14863795	14865314	+	0	NA	Intergeni	ALR/Alph	-663605	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-278	18.0334	-0.82506	0.527286	-1.56473	0.117646	0.320691	chr20	27840066	27843246	+	0	NA	Intergeni	ALR/Alph	761009	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr22-148	16.12363	-0.86549	0.553141	-1.56468	0.117659	0.320691	chr22	14888459	14889386	+	0	NA	Intergeni	ALR/Alph	-639237	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr14-177	29.26321	-0.6511	0.416231	-1.56428	0.117751	0.320691	chr14	17777773	17779281	+	0	NA	Intergeni	ALR/Alph	-822590	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-412	19.55463	-0.80351	0.513888	-1.56359	0.117915	0.320691	chr10	41278530	41278819	+	0	NA	Intergeni	ALR/Alph	1089371	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-114	15.55311	-0.88165	0.564049	-1.56307	0.118036	0.320691	chr21	11450003	11450297	+	0	NA	Intergeni	ALR/Alph	928636	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr14-180	15.09946	-0.89229	0.57101	-1.56265	0.118134	0.320691	chr14	18062304	18063213	+	0	NA	Intergeni	ALR/Alph	-538359	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4869	35.59196	-0.59499	0.380769	-1.56261	0.118144	0.320691	chr5	48696127	48696344	+	0	NA	Intergeni	ALR/Alph	1745053	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr6-5866	19.51123	-0.80036	0.512221	-1.56252	0.118165	0.320691	chr6	58662243	58665589	+	0	NA	Intergeni	ALR/Alph	-702470	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr22-128	17.65044	-0.82813	0.530124	-1.56215	0.118252	0.320691	chr22	12881981	12884494	+	0	NA	Intergeni	Intergeni	985831	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr19-268	18.03619	-0.82049	0.525347	-1.56182	0.118331	0.320691	chr19	26851119	26851956	+	0	NA	Intergeni	ALR/Alph	-941894	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr22-144	17.1044	-0.83858	0.537116	-1.56126	0.118463	0.320691	chr22	14401690	14402787	+	0	NA	Intergeni	ALR/Alph	-1125921	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-4982	18.89619	-0.82426	0.52796	-1.56123	0.11847	0.320691	chr5	49820371	49820596	+	0	NA	Intergeni	ALR/Alph	620805	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr9-4378	16.10193	-0.86369	0.553222	-1.5612	0.118476	0.320691	chr9	43789207	43789512	+	0	NA	Intergeni	ALR/Alph	663193	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr13-173	20.01943	-0.78095	0.500261	-1.56108	0.118504	0.320691	chr13	17373537	17375780	+	0	NA	Intergeni	ALR/Alph	-820639	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr22-138	24.0811	-0.71674	0.459278	-1.56057	0.118625	0.320765	chr22	13891004	13891221	+	0	NA	Intergeni	ALR/Alph	-1637047	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr14-174	16.05574	-0.86515	0.555001	-1.55882	0.119039	0.32163	chr14	17453624	17454378	+	0	NA	Intergeni	ALR/Alph	-1147116	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr13-170	18.08517	-0.81472	0.523302	-1.55688	0.1195	0.322621	chr13	17061336	17062959	+	0	NA	Intergeni	ALR/Alph	-1133150	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr8-4464	28.26074	-0.65837	0.423109	-1.55603	0.119701	0.322871	chr8	44646354	44647595	+	0	NA	Intergeni	ALR/Alph	1354532	NM_00100	340441	Hs.53157	NM_00100	ENSG0000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr8-4424	16.53388	-0.85285	0.548317	-1.55539	0.119852	0.322871	chr8	44247770	44248885	+	0	NA	Intergeni	ALR/Alph	955885	NM_00100	340441	Hs.53157	NM_00100	ENSG0000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1245	18.13136	-0.81346	0.523155	-1.5549	0.119969	0.322871	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3013917	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr8-8572	18.13136	-0.81346	0.523155	-1.5549	0.119969	0.322871	chr8	85720413	85720939	+	0	NA	Intergeni	Intergeni	5832	NR_003594	1E+08	Hs.53505	NR_003594		REXO1L2P	-	REXO1 li	pseudo
chr20-265	34.01617	-0.60483	0.389205	-1.55403	0.120178	0.322956	chr20	26505393	26509724	+	0	NA	Intergeni	ALR/Alph	-298325	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr13-173	21.61971	-0.7495	0.482313	-1.55398	0.12019	0.322956	chr13	17324982	17325257	+	0	NA	Intergeni	ALR/Alph	-870178	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr15-184	44.04541	-0.54594	0.351484	-1.55325	0.120364	0.323128	chr15	18405520	18405817	+	0	NA	Intergeni	ALR/Alph	-1877076	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr1-1244	34.01896	-0.60239	0.387986	-1.55261	0.120516	0.323128	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2935635	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr22-135	15.66998	-0.87521	0.563736	-1.55253	0.120536	0.323128	chr22	13588588	13588829	+	0	NA	Intergeni	ALR/Alph	1691302	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr1-1227	40.16852	-0.55849	0.360166	-1.55064	0.120987	0.323618	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1240294	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr9-4489	15.03156	-0.89195	0.575453	-1.55	0.121141	0.323618	chr9	44892182	44892515	+	0	NA	Intergeni	ALR/Alph	1766182	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr1-1242	20.02222	-0.77685	0.501232	-1.54989	0.121169	0.323618	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2761562	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr20-267	19.97324	-0.7821	0.504756	-1.54947	0.121269	0.323618	chr20	26744467	26745610	+	0	NA	Intergeni	ALR/Alph	-535805	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr20-267	21.14157	-0.75629	0.488138	-1.54933	0.121303	0.323618	chr20	26772838	26773199	+	0	NA	Intergeni	ALR/Alph	-563785	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr14-179	27.7609	-0.66073	0.42658	-1.54889	0.121408	0.323618	chr14	17949980	17950635	+	0	NA	Intergeni	ALR/Alph	-650810	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4831	62.27133	-0.46009	0.297065	-1.54878	0.121434	0.323618	chr5	48316729	48317982	+	0	NA	Intergeni	ALR/Alph	2123933	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-260	18.06347	-0.81308	0.525034	-1.54861	0.121475	0.323618	chr19	26005612	26005965	+	0	NA	Intergeni	ALR/Alph	-1787643	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr19-260	18.19926	-0.81377	0.52589	-1.54742	0.121763	0.324132	chr19	26042381	26042593	+	0	NA	Intergeni	ALR/Alph	-1750944	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr3-9227	57.0886	-0.4821	0.311628	-1.54703	0.121857	0.324132	chr3	92278940	92279398	+	0	NA	Intergeni	ALR/Alph	1694912	NM_001314	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr13-169	15.62658	-0.8715	0.563947	-1.54535	0.122261	0.324954	chr13	16946906	16947162	+	0	NA	Intergeni	ALR/Alph	-1248263	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr22-134	15.5097	-0.87793	0.568533	-1.5442	0.12254	0.325442	chr22	13445522	13446300	+	0	NA	Intergeni	ALR/Alph	1548505	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr20-268	26.25301	-0.67773	0.439253	-1.5429	0.122854	0.325819	chr20	26884002	26885626	+	0	NA	Intergeni	ALR/Alph	-675581	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr12-348	28.83684	-0.64789	0.419935	-1.54283	0.122871	0.325819	chr12	34834858	34835114	+	0	NA	Intergeni	ALR/Alph	812490	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 al	protein-coding
chr20-274	33.92937	-0.60115	0.389802	-1.54219	0.123028	0.325903	chr20	27427012	27428086	+	0	NA	Intergeni	ALR/Alph	1175116	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-4433	19.13663	-0.78945	0.512266	-1.5411	0.123293	0.325903	chr9	44339549	44339867	+	0	NA	Intergeni	ALR/Alph	1213542	NR_16066	1.03E+08		NR_160669		LOC10272	-	methylen	pseudo
chr18-162	262.8219	-0.27679	0.179608	-1.54105	0.123304	0.325903	chr18	16265846	16266205	+	0	NA	Intergeni	ALR/Alph	-940106	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr20-274	26.34818	-0.673	0.436779	-1.54083	0.123358	0.325903	chr20	27480848	27481260	+	0	NA	Intergeni	ALR/Alph	1121611	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr3-9370	26.29362	-0.68333	0.443505	-1.54074	0.123379	0.325903	chr3	93705721	93707009	+	0	NA	Intergeni	ALR/Alph	267716	NM_001314	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr20-270	26.82911	-0.66609	0.433014	-1.53826	0.123984	0.327249	chr20	27021568	27023934	+	0	NA	Intergeni	ALR/Alph	-813518	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr20-272	22.53259	-0.73404	0.477308	-1.53787	0.12408	0.327252	chr20	27298864	27299166	+	0	NA	Intergeni	ALR/Alph	-1089782	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr21-115	29.23761	-0.66137	0.430447	-1.53648	0.12442	0.327894	chr21	11539367	11539635	+	0	NA	Intergeni	ALR/Alph	1017987	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr13-174	25.80215	-0.67665	0.440738	-1.53527	0.124719	0.328133	chr13	17413151	17415738	+	0	NA	Intergeni	ALR/Alph	-780853	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr5-4963	164.4558	-0.93009	0.60586	-1.53516	0.124744	0.328133	chr5	49630791	49633777	+	0	NA	Intergeni	ALR/Alph	809004	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-270	82.85571	-0.40972	0.266929	-1.53494	0.124798	0.328133	chr19	27036822	27037060	+	0	NA	Intergeni	ALR/Alph	-756490	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-403	51.35766	-0.49622	0.323419	-1.5343	0.124956	0.328297	chr10	40367476	40368664	+	0	NA	Intergeni	ALR/Alph	1671474	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr20-284	24.84029	-0.69177	0.450984	-1.5339	0.125053	0.328301	chr20	28462979	28464357	+	0	NA	Intergeni	ALR/Alph	138997	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr17-260	86.66024	-0.41002	0.267672	-1.53181	0.125569	0.328758	chr17	26006585	26006826	+	0	NA	Intergeni	ALR/Alph	1082536	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr11-529	101.2336	-0.37441	0.244425	-1.5318	0.125572	0.328758	chr11	52907983	52908293	+	0	NA	Intergeni	ALR/Alph	1695860	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr19-253	77.35242	-0.42321	0.276357	-1.53139	0.125674	0.328758	chr19	25342323	25342560	+	0	NA	Intergeni	ALR/Alph	-1178994	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr10-408	24.29425	-0.69603	0.454711	-1.53071	0.125842	0.328758	chr10	40846362	40849473	+	0	NA	Intergeni	ALR/Alph	1520128	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr13-179	25.97474	-0.69275	0.452623	-1.53052	0.125887	0.328758	chr13	17936647	17936887	+	0	NA	Intergeni	ALR/Alph	-258530	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr15-189	42.36492	-0.54206	0.354238	-1.53022	0.125963	0.328758	chr15	18910928	18911587	+	0	NA	Intergeni	ALR/Alph	-1371487	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr21-114	24.75069	-0.69016	0.451079	-1.53003	0.126009	0.328758	chr21	11489468	11489895	+	0	NA	Intergeni	ALR/Alph	968167	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr12-363	20.57384	-0.76148	0.497748	-1.52985	0.126053	0.328758	chr12	36318549	36319075	+	0	NA	Intergeni	ALR/Alph	-1997962	NM_00130	144245	Hs.25930	NM_00101	ENSG0000	ALG10B	ALG10|KC	ALG10 al	protein-coding
chr7-6051	64.4544	-0.44835	0.293097	-1.5297	0.126091	0.328758	chr7	60517707	60518032	+	0	NA	Intergeni	ALR/Alph	2786187	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fin	pseudo
chr11-515	33.06826	-0.60151	0.393346	-1.52921	0.126213	0.328825	chr11	51506757	51507022	+	0	NA	Intergeni	ALR/Alph	1097742	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr14-170	16.24051	-0.85913	0.56245	-1.52748	0.126641	0.329689	chr14	17024997	17025232	+	0	NA	Intergeni	ALR/Alph	-1576003	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-411	24.84587	-0.68517	0.448911	-1.52629	0.126938	0.330213	chr10	41191672	41191999	+	0	NA	Intergeni	ALR/Alph	1176210	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr13-173	25.25611	-0.68045	0.44628	-1.52471	0.127331	0.330864	chr13	17386879	17388794	+	0	NA	Intergeni	ALR/Alph	-807461	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr5-5002	23.8623	-0.69999	0.459156	-1.52451	0.127382	0.330864	chr5	50023564	50023811	+	0	NA	Intergeni	ALR/Alph	417601	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1243	49.40565	-0.51074	0.335137	-1.52398	0.127513	0.330885	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2878219	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-1223	47.15631	-0.51001	0.334765	-1.52348	0.127638	0.330885	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	857583	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr19-271	140.172	-0.3316	0.217684	-1.52332	0.12768	0.330885	chr19	27130499	27130731	+	0	NA	Intergeni	ALR/Alph	-662816	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-273	23.26729	-0.7091	0.465941	-1.52187	0.128042	0.331574	chr20	27370392	27373682	+	0	NA	Intergeni	ALR/Alph	-1162804	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr8-4468	29.13021	-0.64756	0.425674	-1.52126	0.128194	0.331717	chr8	44687898	44688211	+	0	NA	Intergeni	ALR/Alph	1395612	NM_00100	340441	Hs.53157	NM_00100	ENSG0000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr12-348	22.78915	-0.71444	0.470063	-1.51988	0.128542	0.332344	chr12	34897664	34898307	+	0	NA	Intergeni	ALR/Alph	875489	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 al	protein-coding
chr10-408	30.48721	-0.62057	0.408395	-1.51953	0.12863	0.332344	chr10	40828213	40828663	+	0	NA	Intergeni	ALR/Alph	1539607	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr6-5870	25.20992	-0.68128	0.448775	-1.51809	0.128993	0.333029	chr6	58702883	58703449	+	0	NA	Intergeni	ALR/Alph	-741720	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr10-410	22.3355	-0.71769	0.473312	-1.51632	0.12944	0.333931	chr10	41011090	41011512	+	0	NA	Intergeni	ALR/Alph	1356744	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr20-271	22.77024	-0.7095	0.468183	-1.51544	0.129662	0.334252	chr20	27134884	27136317	+	0	NA	Intergeni	ALR/Alph	-926367	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr1-1229	34.89401	-0.59011	0.389748	-1.51407	0.130008	0.334892	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1406417	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr10-412	33.04935	-0.59803	0.395341	-1.51268	0.13036	0.335548	chr10	41237286	41237589	+	0	NA	Intergeni	ALR/Alph	1130608	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr22-142	21.78947	-0.7231	0.478172	-1.51221	0.130481	0.335606	chr22	14228412	14228647	+	0	NA	Intergeni	ALR/Alph	-1299630	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr21-927	24.65831	-0.692	0.458025	-1.51083	0.130831	0.336254	chr21	9274595	9274916	+	0	NA	Intergeni	Intergeni	-144994	NR_038327	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr1-1247	57.91072	-0.46581	0.30845	-1.51015	0.131005	0.336448	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3215640	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr10-407	55.19277	-0.4733	0.313731	-1.50863	0.131393	0.337193	chr10	40771341	40771789	+	0	NA	Intergeni	ALR/Alph	1596480	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr20-279	21.28963	-0.72776	0.482973	-1.50684	0.131852	0.337541	chr20	27909840	27911595	+	0	NA	Intergeni	ALR/Alph	691948	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo

chr20-267	22.36278	-0.71174	0.472358	-1.50677	0.131869	0.337541	chr20	26718733	26719245	+	0	NA	Intergeni	ALR/Alpha	-509756	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-409	20.7842	-0.74055	0.491598	-1.50641	0.131961	0.337541	chr10	40966719	40967697	+	0	NA	Intergeni	ALR/Alpha	1400837	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-917	21.33582	-0.72676	0.482462	-1.50635	0.131978	0.337541	chr21	9170867	9171997	+	0	NA	Intergeni	Intergeni	-41671	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-402	48.84729	-0.5013	0.33283	-1.50618	0.132021	0.337541	chr10	40267016	40269017	+	0	NA	Intergeni	ALR/Alpha	1571420	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-121	33.38891	-0.5978	0.397031	-1.50568	0.132148	0.337614	chr21	12199547	12199866	+	0	NA	Intergeni	ALR/Alpha	-838460	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-265	30.58517	-0.61387	0.408129	-1.5041	0.132555	0.337827	chr19	26531815	26532040	+	0	NA	Intergeni	ALR/Alpha	-1261504	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-172	23.44547	-0.71967	0.478843	-1.50293	0.132857	0.337827	chr13	17296206	17296588	+	0	NA	Intergeni	ALR/Alpha	-898900	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-269	70.5566	-0.4257	0.283337	-1.50245	0.13298	0.337827	chr19	26919480	26920402	+	0	NA	Intergeni	ALR/Alpha	-873490	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-268	21.81675	-0.71701	0.47732	-1.50216	0.133055	0.337827	chr20	26832769	26834323	+	0	NA	Intergeni	ALR/Alpha	-624313	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-2697	21.72157	-0.72274	0.481181	-1.50201	0.133096	0.337827	chr1	2697006	2697897	+	0	NA	intron (N	intron (N	-64435	NM_033467	79258	Hs.591453	NM_033467	ENSG00000	MMEL1	MMEL2|NEP	membrane	protein-coding
chr21-120	21.72157	-0.72274	0.481181	-1.50201	0.133096	0.337827	chr21	12009315	12010639	+	0	NA	Intergeni	ALR/Alpha	-1028189	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr17-237	28.48227	-0.63278	0.421625	-1.50082	0.133403	0.337827	chr17	23733642	23733865	+	0	NA	Intergeni	ALR/Alpha	1210642	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-410	20.83598	-0.73164	0.487852	-1.49971	0.133689	0.337827	chr10	41046158	41046373	+	0	NA	Intergeni	ALR/Alpha	1321780	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-127	19.80901	-0.74886	0.499732	-1.49851	0.134	0.337827	chr21	12725267	12726745	+	0	NA	Intergeni	ALR/Alpha	-312160	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-142	18.80375	-0.76956	0.514239	-1.49651	0.134522	0.337827	chr22	14234351	14236688	+	0	NA	Intergeni	ALR/Alpha	-1292640	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr7-5807	18.80375	-0.76956	0.514239	-1.49651	0.134522	0.337827	chr7	58071938	58072207	+	0	NA	Intergeni	Intergeni	621895	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr22-146	29.20648	-0.63919	0.427195	-1.49625	0.134588	0.337827	chr22	14662843	14663124	+	0	NA	Intergeni	ALR/Alpha	-865176	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-172	19.73833	-0.75261	0.503576	-1.49453	0.135038	0.337827	chr14	17226564	17227753	+	0	NA	Intergeni	ALR/Alpha	-1373959	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-415	19.78731	-0.74736	0.500072	-1.4945	0.135044	0.337827	chr10	41529680	41532258	+	0	NA	Intergeni	ALR/Alpha	837076	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-175	18.32561	-0.77794	0.52071	-1.49401	0.135174	0.337827	chr13	17532823	17533695	+	0	NA	Intergeni	ALR/Alpha	-662038	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-268	27.5232	-0.64182	0.42965	-1.49382	0.135223	0.337827	chr20	26841191	26842064	+	0	NA	Intergeni	ALR/Alpha	-632394	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1250	18.80654	-0.76522	0.512394	-1.49343	0.135326	0.337827	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3562341	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	18.80654	-0.76522	0.512394	-1.49343	0.135326	0.337827	chr10	40216834	40218898	+	0	NA	Intergeni	ALR/Alpha	1521270	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr3-7570	18.80654	-0.76522	0.512394	-1.49343	0.135326	0.337827	chr3	75709189	75713774	+	0	NA	Intergeni	MER101-in	-26799	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr20-283	18.30391	-0.77632	0.519853	-1.49334	0.135348	0.337827	chr20	28366453	28367444	+	0	NA	Intergeni	ALR/Alpha	235717	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-9323	18.30391	-0.77632	0.519853	-1.49334	0.135348	0.337827	chr4	9323055	9325890	+	0	NA	promoter-	promoter-	-693	NM_001242	728369	Hs.553810	NM_001242	ENSG00000	USP17L24	USP17L25|	ubiquitin	protein-coding
chr22-134	23.0625	-0.71953	0.481896	-1.49312	0.135407	0.337827	chr22	13473303	13473577	+	0	NA	Intergeni	ALR/Alpha	1576034	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr13-166	18.84715	-0.77281	0.517601	-1.49306	0.135421	0.337827	chr13	16652247	16652833	+	0	NA	Intergeni	ALR/Alpha	-1542757	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-266	29.1113	-0.6435	0.431143	-1.49254	0.135558	0.337827	chr20	26626943	26627201	+	0	NA	Intergeni	ALR/Alpha	-417839	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-122	19.30917	-0.75472	0.50574	-1.49232	0.135616	0.337827	chr21	12257025	12258186	+	0	NA	Intergeni	ALR/Alpha	-780561	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4935	37.64761	-0.55941	0.375122	-1.49127	0.135891	0.337827	chr5	49358787	49359042	+	0	NA	Intergeni	ALR/Alpha	1082374	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-107	17.82577	-0.78514	0.526594	-1.49098	0.135967	0.337827	chr21	10767387	10773121	+	0	NA	Intergeni	L1PA3|LIN	248740	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr14-177	18.28221	-0.7747	0.519853	-1.49024	0.136162	0.337827	chr14	17787628	17788239	+	0	NA	Intergeni	ALR/Alpha	-813184	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-275	19.71384	-0.75531	0.50689	-1.49009	0.1362	0.337827	chr20	27517493	27520725	+	0	NA	Intergeni	ALR/Alpha	1083556	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-267	17.32314	-0.7975	0.535218	-1.49004	0.136214	0.337827	chr20	26706877	26707607	+	0	NA	Intergeni	ALR/Alpha	-498009	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5946	19.23849	-0.75855	0.509175	-1.48977	0.136286	0.337827	chr6	59461858	59462542	+	0	NA	Intergeni	ALR/Alpha	-1500754	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-268	62.68431	-0.44243	0.296981	-1.48976	0.136287	0.337827	chr19	26889035	26889359	+	0	NA	Intergeni	ALR/Alpha	-904234	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4928	62.18057	-0.44617	0.299601	-1.48921	0.136431	0.337827	chr5	49289538	49289853	+	0	NA	Intergeni	ALR/Alpha	1151593	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-5079	18.25493	-0.78211	0.525203	-1.48916	0.136446	0.337827	chr4	50790274	50790653	+	0	NA	Intergeni	ALR/Alpha	-1052537	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr10-400	34.17817	-0.57646	0.387473	-1.48775	0.136817	0.337827	chr10	40097742	40099433	+	0	NA	Intergeni	ALR/Alpha	1401991	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-276	17.75509	-0.78938	0.530609	-1.48768	0.136835	0.337827	chr20	27630457	27633677	+	0	NA	Intergeni	ALR/Alpha	970598	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4803	68.41308	-0.42585	0.286266	-1.48759	0.136859	0.337827	chr5	48031598	48031840	+	0	NA	Intergeni	ALR/Alpha	-2335339	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr22-143	17.32035	-0.80232	0.539417	-1.48739	0.136911	0.337827	chr22	14357689	14358968	+	0	NA	Intergeni	ALR/Alpha	-1169831	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-298	16.32067	-0.81953	0.551128	-1.487	0.137014	0.337827	chr20	29824024	29824473	+	0	NA	Intergeni	L1MA2|LIN	-56136	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr21-127	17.85026	-0.78224	0.526151	-1.48672	0.137088	0.337827	chr21	12727955	12728275	+	0	NA	Intergeni	ALR/Alpha	-310051	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr9-4343	19.33366	-0.75206	0.505948	-1.48644	0.137162	0.337827	chr9	43431280	43431866	+	0	NA	Intergeni	ALR/Alpha	305407	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr9-4358	16.29617	-0.82279	0.553818	-1.48568	0.137365	0.337827	chr9	43583488	43584384	+	0	NA	Intergeni	ALR/Alpha	457770	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5971	17.75788	-0.78475	0.528246	-1.48558	0.137391	0.337827	chr7	59711039	59713467	+	0	NA	Intergeni	ALR/Alpha	2262076	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr14-174	16.8016	-0.80399	0.541223	-1.48551	0.137408	0.337827	chr14	17476913	17478166	+	0	NA	Intergeni	ALR/Alpha	-1123578	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-139	15.79633	-0.83237	0.560327	-1.4855	0.137411	0.337827	chr22	13997607	13998096	+	0	NA	Intergeni	ALR/Alpha	-1530308	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr2-9292	18.35289	-0.77068	0.519067	-1.48474	0.137612	0.337827	chr2	92925729	92925964	+	0	NA	Intergeni	ALR/Alpha	984713	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-267	18.26051	-0.7731	0.520713	-1.48469	0.137627	0.337827	chr20	26722837	26723594	+	0	NA	Intergeni	ALR/Alpha	-513982	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4792	34.31675	-0.57475	0.387211	-1.48433	0.137722	0.337827	chr5	47921050	47921376	+	0	NA	Intergeni	ALR/Alpha	-2224833	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-5068	15.29649	-0.84263	0.567716	-1.48425	0.137742	0.337827	chr4	50684948	50685472	+	0	NA	Intergeni	ALR/Alpha	-1157790	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr10-406	22.27597	-0.70629	0.475909	-1.48408	0.137788	0.337827	chr10	40688376	40688761	+	0	NA	Intergeni	ALR/Alpha	1679477	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-125	29.694	-0.62198	0.419116	-1.48402	0.137803	0.337827	chr21	12524334	12524597	+	0	NA	Intergeni	ALR/Alpha	-513701	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr8-8572	17.30423	-0.7911	0.533255	-1.48352	0.137935	0.337827	chr8	85721697	85724832	+	0	NA	Intergeni	Intergeni	8420	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr9-4402	21.6481	-0.73024	0.492249	-1.48347	0.137948	0.337827	chr9	44020720	44021169	+	0	NA	Intergeni	ALR/Alpha	894778	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5932	20.36062	-0.73422	0.495039	-1.48315	0.138033	0.337827	chr7	59328510	59329487	+	0	NA	Intergeni	ALR/Alpha	1878821	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-268	15.33989	-0.84651	0.570755	-1.48314	0.138037	0.337827	chr20	26887939	26888494	+	0	NA	Intergeni	ALR/Alpha	-678983	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-106	15.79912	-0.82719	0.557774	-1.48303	0.138068	0.337827	chr17	1062350	1064833	+	0	NA	intron (N	intron (N	15402	NM_001282	29	Hs.159306	NM_001092	ENSG00000	ABR	MDB	ABR activ	protein-coding
chr3-9088	16.86949	-0.80441	0.542475	-1.48285	0.138114	0.337827	chr3	90888615	90889643	+	0	NA	Intergeni	ALR/Alpha	1781508	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|H	EPH recep	protein-coding
chr22-136	16.27726	-0.81593	0.550281	-1.48275	0.138142	0.337827	chr22	13690742	13693790	+	0	NA	Intergeni	ALR/Alpha	1794860	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr7-5939	26.56692	-0.64843	0.437323	-1.48273	0.138146	0.337827	chr7	59397188	59397438	+	0	NA	Intergeni	ALR/Alpha	1947136	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-112	43.64905	-0.51402	0.346697	-1.48262	0.138176	0.337827	chr21	11256410	11256611	+	0	NA	Intergeni	ALR/Alpha	734996	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr14-174	15.272	-0.84611	0.57079	-1.48235	0.138247	0.337827	chr14	17495348	17499417	+	0	NA	Intergeni	ALR/Alpha	-1103735	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-4571	16.82609	-0.80092	0.540664	-1.48136	0.13851	0.338229	chr8	45714079	45715186	+	0	NA	Intergeni	ALR/Alpha	903011	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr22-128	17.35042	-0.78981	0.533328	-1.4809	0.138632	0.338286	chr22	12888334	12890770	+	0	NA	Intergeni	Tigger3a|	992146	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-143	15.82361	-0.82391	0.557075	-1.479	0.139141	0.338925	chr22	14350702	14353167	+	0	NA	Intergeni	ALR/Alpha	-1176225	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr6-5959	16.74982	-0.81534	0.551318	-1.47889	0.139168	0.338925	chr6	59591416	59592013	+	0	NA	Intergeni	ALR/Alpha	-1630268	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-138	15.75293	-0.82867	0.560535	-1.47835	0.139315	0.338925	chr22	13859281	13859708	+	0	NA	Intergeni	ALR/Alpha	-1668665	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr4-5091	15.75293	-0.82867	0.560535	-1.47835	0.139315	0.338925	chr4	50911259	50913029	+	0	NA	Intergeni	ALR/Alpha	-930856	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr9-4380	15.77742	-0.82535	0.558399	-1.47807	0.139388	0.338925	chr9	43803789	43804717	+	0	NA	Intergeni	ALR/Alpha	678087	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1245	41.65744	-0.52396	0.354749	-1.47698	0.13968	0.339392	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3033881	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-405	37.90975	-0.54496	0.369108	-1.47643	0.139827	0.3395	chr10	40567551	40567810	+	0	NA	Intergeni	ALR/Alpha	1800365	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-414	51.53746	-0.4841	0.328056	-1.47567	0.140032	0.3395	chr10	41429015	41429304	+	0	NA	Intergeni	ALR/Alpha	938886	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1229	44.96549	-0.51899	0.351741	-1.47549	0.140082	0.3395	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1413581	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-134	19.67044	-0.75231	0.509969	-1.47521	0.140155	0.3395	chr22	13475181	13475684	+	0	NA	Intergeni	ALR/Alpha	1578026	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-266	28.92258	-0.62209	0.421912	-1.47445	0.140359	0.3395	chr20	26613714	26613941	+	0	NA	Intergeni	ALR/Alpha	-404594	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-165	15.80191	-0.82207	0.557699	-1.47404	0.14047	0.3395	chr14	16564727	16565590	+	0	NA	Intergeni	ALR/Alpha	-2035959	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-260	42.71447	-0.51588	0.350027	-1.47384	0.140525	0.3395	chr19	26053734	26054021	+	0	NA	Intergeni	ALR/Alpha	-1739554	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-269	16.85058	-0.79784	0.541378	-1.47372	0.140557	0.3395	chr20	26985994	26987249	+	0	NA	Intergeni	ALR/Alpha	-777388	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4479	16.75819	-0.80051	0.54327	-1.4735	0.140616	0.3395	chr9	44790588	44791035	+	0	NA	Intergeni	ALR/Alpha	1664645	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr3-9258	15.32377	-0.83394	0.566278	-1.47266	0.140842	0.339806	chr3	92587078	92587715	+	0	NA	Intergeni	ALR/Alpha	1386685	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr10-401	33.29257	-0.57764	0.392427	-1.47197	0.141028	0.339905	chr10	40101697	40101969	+	0	NA	Intergeni	ALR/Alpha	1405237	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr22-140	17.30702	-0.78641	0.534326	-1.47178	0.141082	0.339905	chr22	14043103	14043352	+	0	NA	Intergeni	ALR/Alpha	-1484932	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr19-259	37.33643	-0.54925	0.373432	-1.47082	0.141339	0.340258	chr19	25940998	25941878	+	0	NA	Intergeni	ALR/Alpha	-1777991	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-264	57.42872	-0.4528	0.307922	-1.4705	0.141426	0.340258	chr19	26450245	26451215	+	0	NA	Intergeni	ALR/Alpha	-1342701	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-264	53.2869	-0.4665	0.31768	-1.46845	0.141982	0.341313	chr17	26414544	26414774	+	0	NA	Intergeni	ALR/Alpha	674582	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-268	17.73896	-0.77851	0.530264	-1.46815	0.142064	0.341313	chr20	26824983	26825949	+	0	NA	Intergeni	ALR/Alpha	-616233	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-264	64.77499	-0.43199	0.294314	-1.46777	0.142166	0.341317	chr20	26473203	26475105	+	0	NA	Intergeni	ALR/Alpha	-264921	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-143	15.70674	-0.83021	0.565885	-1.4671	0.142349	0.341321	chr22	14334421	14335165	+	0	NA	Intergeni	ALR/Alpha	-1193366	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-174	22.7569	-0.69725	0.475277	-1.46704	0.142366	0.341321	chr14	17403238	17403455	+	0	NA	Intergeni	ALR/Alpha	-1197771	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4760	64.31577	-0.4336	0.295799	-1.46587	0.142684	0.341842	chr5	47604224	47604454	+	0	NA	Intergeni	ALR/Alpha	-1907959	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-263	21.2518	-0.71717	0.489411	-1.46538	0.142817	0.341922	chr19	26312818	26313118	+	0	NA	Intergeni	ALR/Alpha	-1480463	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-352	17.33151	-0.78338	0.535655	-1.46248	0.14361	0.34358	chr12	35276040	35276442	+	0	NA	Intergeni	ALR/Alpha	1253745	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-249	24.44789	-0.66542	0.455199	-1.46183	0.143788	0.343767	chr19	24944707	24946308	+	0	NA	Intergeni	ALR/Alpha	-782060	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-400	24.04043	-0.66653	0.456143	-1.46123	0.143954	0.343923	chr10	40080028	40082761	+	0	NA	Intergeni	ALR/Alpha	1384798	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-174	25.59451	-0.64795	0.443543	-1.46084	0.144058	0.343933	chr14	17418496	17418808	+	0	NA	Intergeni	ALR/Alpha	-1182465	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-118	15.28037	-0.83008	0.569842	-1.45669	0.145202	0.346422	chr22	11855623	11856191	+	0	NA	Intergeni	Intergeni	-41499	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1240	65.79141	-0.42566	0.292628	-1.45463	0.145772	0.347328	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2526050	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9084	41.46709	-0.53013	0.364455	-1.45458	0.145784	0.347328	chr3	90846243	90846669	+	0	NA	Intergeni	ALR/Alpha	1738835	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|H	EPH recep	protein-coding
chr19-264	34.66468	-0.5676	0.390589	-1.45318	0.146175	0.347879	chr19	26467232	26467506	+	0	NA	Intergeni	ALR/Alpha	-1326062	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1234	30.32019	-0.60087	0.41353	-1.45302	0.146219	0.347879	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1945835	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-264	23.92634	-0.66702	0.459556	-1.45144	0.146656	0.348678	chr20	26492241	26494592	+	0	NA	Intergeni	ALR/Alpha	-284183	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-143	26.81131	-0.6526	0.4509	-1.44733	0.147803	0.350951	chr22	14354252	14354808	+	0	NA	Intergeni	ALR/Alpha	-1173629	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr18-205	56.15513	-0.48046	0.331972	-1.44728	0.147818	0.350951	chr18	20561648	20562410	+	0	NA	Intergeni	ALR/Alpha	549784	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr22-149	18.46977	-0.76524	0.528942	-1.44673	0.147972	0.350964	chr22	14958934	14959142	+	0	NA	Intergeni	ALR/Alpha	-569121	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr3-9086	43.31618	-0.50426	0.348599	-1.44653	0.148028	0.350964	chr3	90868511	90869688	+	0	NA	Intergeni	ALR/Alpha	1761478	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|H	EPH recep	protein-coding
chr20-272	22.03548	-0.68665	0.475375	-1.44445	0.148613	0.351569	chr20	27264134	27269426	+	0	NA	Intergeni	ALR/Alpha	-1057547	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-167	18.24438	-0.76241	0.527824	-1.44444	0.148616	0.351569	chr14	16764230	16764443	+	0	NA	Intergeni	ALR/Alpha	-1836781	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr18-155	23.01904	-0.67131	0.464777	-1.44436	0.148637	0.351569	chr18	15566414	15566860	+	0	NA	Intergeni	ALR/Alpha	-240718	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4822	28.72828	-0.60591	0.419556	-1.44416	0.148693	0.351569	chr5	48228455	48229779	+	0	NA	Intergeni	ALR/Alpha	2212171	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-265	56.89106	-0.44792	0.31045	-1.44281	0.149073	0.352225	chr19	26549308	26550525	+	0	NA	Intergeni	ALR/Alpha	-1243515	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-274	15.73681	-0.81638	0.566037	-1.44227	0.149225	0.352339	chr20	27421668	27421907	+	0	NA	Intergeni	ALR/Alpha	1180878	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr17-264	29.3016	-0.59938	0.415876	-1.44124	0.149515	0.352782	chr17	26465526	26465743	+	0	NA	Intergeni	ALR/Alpha	623607	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-278	21.99208	-0.68391	0.47519	-1.43924	0.150081	0.353873	chr20	27809556	27812227	+	0	NA	Intergeni	ALR/Alpha	791774	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-266	33.92156	-0.55735	0.38791	-1.43681	0.150771	0.355056	chr19	26612359	26612728	+	0	NA	Intergeni	ALR/Alpha	-1180888	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-5881	226.4958	-0.26659	0.18555	-1.43675	0.15079	0.355056	chr7	58818464	58818847	+	0	NA	Intergeni	ALR/Alpha	1368478	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4803	85.10444	-0.38292	0.266665	-1.43594	0.151019	0.355332	chr5	48036690	48036939	+	0	NA	Intergeni	ALR/Alpha	-2340434	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-365	24.57635	0.657448	0.457959	1.435605	0.151115	0.355332	chr11	3653817	3654686	+	0	NA	intron (N	intron (N	9123	NM_004314	417	Hs.382188	NM_004314	ENSG00000	ART1	ART2|ARTC	ADP-ribos	protein-coding
chr21-803	22.06276	-0.68066	0.474742	-1.43375	0.151644	0.356166	chr21	8032086	8032499	+	0	NA	Intergeni	ALR/Alpha	-165328	NR_038958	1.01E+08	Hs.426704	NR_038958		LOC100507	-	uncharact	ncRNA
chr14-167	24.13839	-0.658	0.458971	-1.43363	0.151677	0.356166	chr14	16795163	16795414	+	0	NA	Intergeni	ALR/Alpha	-1805829	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding

chr7-5914	27.76921	-0.6139	0.428411	-1.43298	0.151864	0.356359	chr7	59148624	59149858	+	0	NA	Intergeni	ALR/Alpha	1699064	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-268	22.97564	-0.66866	0.467101	-1.4315	0.152286	0.357055	chr20	26859852	26860072	+	0	NA	Intergeni	ALR/Alpha	-650729	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-272	20.98961	-0.69532	0.485913	-1.43096	0.152441	0.357055	chr20	27254886	27256914	+	0	NA	Intergeni	ALR/Alpha	-1046667	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-282	37.65034	-0.52978	0.370255	-1.43085	0.152473	0.357055	chr20	28270356	28271464	+	0	NA	Intergeni	ALR/Alpha	331755	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1241	35.47843	-0.54633	0.382429	-1.42857	0.153129	0.358347	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2654403	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4552	20.51147	-0.70094	0.490896	-1.42788	0.153326	0.358564	chr8	45526878	45528428	+	0	NA	Intergeni	ALR/Alpha	1089990	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr17-262	132.4283	-0.31765	0.222729	-1.42615	0.153824	0.359026	chr17	26299343	26299599	+	0	NA	Intergeni	ALR/Alpha	789770	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr8-4586	23.40759	-0.66519	0.466536	-1.4258	0.153925	0.359026	chr8	45866419	45866767	+	0	NA	Intergeni	ALR/Alpha	751050	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr6-5944	20.05503	-0.70834	0.496865	-1.42561	0.153981	0.359026	chr6	59446091	59447443	+	0	NA	Intergeni	ALR/Alpha	-1485321	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-180	42.21853	-0.50854	0.356733	-1.42555	0.153999	0.359026	chr14	18060858	18061280	+	0	NA	Intergeni	ALR/Alpha	-540048	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-269	77.98196	-0.39385	0.276398	-1.42494	0.154174	0.359026	chr19	26986841	26987080	+	0	NA	Intergeni	ALR/Alpha	-806471	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4897	58.61769	-0.43592	0.305953	-1.42478	0.154219	0.359026	chr5	48972894	48974315	+	0	NA	Intergeni	ALR/Alpha	1467684	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-414	29.1686	-0.59579	0.418244	-1.4245	0.154303	0.359026	chr10	41410236	41410439	+	0	NA	Intergeni	ALR/Alpha	957708	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-6008	21.47054	-0.6862	0.481781	-1.42429	0.154363	0.359026	chr7	60081468	60081755	+	0	NA	Intergeni	ALR/Alpha	2631434	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-266	109.4176	-0.34704	0.243739	-1.4238	0.154503	0.35911	chr19	26643030	26643252	+	0	NA	Intergeni	ALR/Alpha	-1150290	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-136	19.5307	-0.71566	0.502851	-1.42321	0.154676	0.359268	chr22	13655316	13655946	+	0	NA	Intergeni	ALR/Alpha	1758225	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-143	19.509	-0.71413	0.502818	-1.42026	0.155531	0.360931	chr22	14395521	14396628	+	0	NA	Intergeni	ALR/Alpha	-1132085	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr19-256	64.42321	-0.42353	0.29832	-1.41971	0.155692	0.360931	chr19	25631101	25631362	+	0	NA	Intergeni	ALR/Alpha	-1467784	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-117	27.18257	-0.6109	0.430318	-1.41965	0.155708	0.360931	chr21	11724600	11725232	+	0	NA	Intergeni	ALR/Alpha	1203402	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr9-4459	23.33412	-0.6719	0.473533	-1.41891	0.155924	0.361044	chr9	44593968	44594286	+	0	NA	Intergeni	ALR/Alpha	1467961	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-936	19.55519	-0.71305	0.502586	-1.41876	0.155968	0.361044	chr21	9360015	9361765	+	0	NA	Intergeni	CER|Satel	-182140	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr19-248	32.92187	-0.55819	0.393653	-1.41799	0.156195	0.361101	chr19	24848165	24848381	+	0	NA	Intergeni	ALR/Alpha	-684826	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4353	19.59859	-0.71612	0.505038	-1.41796	0.156203	0.361101	chr9	43531239	43531541	+	0	NA	Intergeni	ALR/Alpha	405224	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-909	18.52822	-0.73039	0.515743	-1.41619	0.15672	0.362052	chr21	9098429	9101252	+	0	NA	intron (N	CER|Satel	29921	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-279	19.43831	-0.71789	0.507116	-1.41563	0.156885	0.362108	chr20	27919335	27919594	+	0	NA	Intergeni	ALR/Alpha	683201	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-284	18.98466	-0.72182	0.509985	-1.41539	0.156956	0.362108	chr20	28458853	28459070	+	0	NA	Intergeni	ALR/Alpha	143704	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-266	18.02559	-0.74063	0.523551	-1.41463	0.157176	0.36219	chr19	26666497	26667668	+	0	NA	Intergeni	ALR/Alpha	-1126349	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-415	18.48203	-0.73156	0.517168	-1.41454	0.157203	0.36219	chr10	41581166	41584614	+	0	NA	Intergeni	ALR/Alpha	785155	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-166	18.50652	-0.72879	0.515741	-1.41309	0.15763	0.362421	chr13	16699070	16700145	+	0	NA	Intergeni	ALR/Alpha	-1495690	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-136	18.93568	-0.7273	0.514801	-1.41277	0.157722	0.362421	chr22	13675960	13676290	+	0	NA	Intergeni	ALR/Alpha	1778719	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-414	31.77414	-0.57609	0.407776	-1.41276	0.157727	0.362421	chr10	41418100	41418388	+	0	NA	Intergeni	ALR/Alpha	949801	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-261	32.44373	-0.55961	0.396149	-1.41262	0.157768	0.362421	chr19	26180855	26181058	+	0	NA	Intergeni	ALR/Alpha	-1612475	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-180	20.52201	-0.71911	0.509138	-1.4124	0.157832	0.362421	chr14	18005414	18005786	+	0	NA	Intergeni	ALR/Alpha	-595517	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-119	18.05008	-0.73779	0.522593	-1.41178	0.158014	0.362513	chr22	11914667	11922207	+	0	NA	intron (N	MSTA-int|	21031	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-261	20.53875	-0.6945	0.492103	-1.41129	0.158159	0.362513	chr19	26162022	26162250	+	0	NA	Intergeni	ALR/Alpha	-1631295	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-5958	17.54745	-0.74854	0.530665	-1.41057	0.158371	0.362513	chr6	59584744	59585038	+	0	NA	Intergeni	ALR/Alpha	-1623445	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1241	35.82078	-0.54439	0.385941	-1.41055	0.158378	0.362513	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2607370	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-179	17.52575	-0.74684	0.529777	-1.40973	0.158619	0.362513	chr14	17974753	17975128	+	0	NA	Intergeni	ALR/Alpha	-626177	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-179	18.46033	-0.72995	0.518026	-1.40911	0.158804	0.362513	chr13	17947921	17949276	+	0	NA	Intergeni	ALR/Alpha	-246699	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-127	18.96296	-0.72026	0.511211	-1.40893	0.158857	0.362513	chr21	12720190	12720497	+	0	NA	Intergeni	ALR/Alpha	-317823	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr3-9203	32.04403	-0.5729	0.406862	-1.40811	0.159099	0.362513	chr3	92035956	92036287	+	0	NA	Intergeni	ALR/Alpha	1937960	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr12-359	28.73944	-0.59446	0.422258	-1.40782	0.159185	0.362513	chr12	35998324	35999126	+	0	NA	Intergeni	ALR/Alpha	1976229	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4759	36.05564	-0.53309	0.379097	-1.4062	0.159664	0.362513	chr5	47593939	47595076	+	0	NA	Intergeni	ALR/Alpha	-1898127	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr22-113	17.06652	-0.76177	0.542084	-1.40526	0.159945	0.362513	chr22	11357217	11357428	+	0	NA	Intergeni	Intergeni	-395793	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr10-400	29.24207	-0.59048	0.420301	-1.40489	0.160054	0.362513	chr10	40001878	40002158	+	0	NA	Intergeni	ALR/Alpha	1305422	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr18-470	16.54498	-0.76714	0.546056	-1.40487	0.160059	0.362513	chr18	47025261	47026562	+	0	NA	intron (N	intron (N	-1748	NM_145653	162699	Hs.515381	NM_145653	ENSG00000	ELOA3	ELOA3A|Hs	elongin A	protein-coding
chr21-523	16.54498	-0.76714	0.546056	-1.40487	0.160059	0.362513	chr21	5235605	5238454	+	0	NA	Intergeni	THE1C-int	-82371	NR_160695	1.03E+08	Hs.449076	NM_001368	ENSG00000	LOC102724	-	periodic	protein-coding
chr13-174	20.51705	-0.69301	0.493541	-1.40415	0.160273	0.362513	chr13	17410264	17411521	+	0	NA	Intergeni	ALR/Alpha	-784405	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1247	172.0962	-0.28529	0.203273	-1.40349	0.160472	0.362513	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3238599	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-284	25.19932	-0.62515	0.445469	-1.40336	0.160509	0.362513	chr20	28461197	28461398	+	0	NA	Intergeni	ALR/Alpha	141368	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-4459	18.50931	-0.72443	0.516245	-1.40326	0.160539	0.362513	chr8	44596539	44596821	+	0	NA	Intergeni	ALR/Alpha	1304238	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr22-147	16.02065	-0.77802	0.554541	-1.403	0.160616	0.362513	chr22	14796031	14797970	+	0	NA	Intergeni	ALR/Alpha	-731159	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4876	16.04235	-0.77989	0.556013	-1.40265	0.160721	0.362513	chr5	48767366	48769032	+	0	NA	Intergeni	ALR/Alpha	1673089	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-140	15.99616	-0.7813	0.557251	-1.40206	0.160897	0.362513	chr22	14040345	14041264	+	0	NA	Intergeni	ALR/Alpha	-1487355	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1225	16.97972	-0.75473	0.538433	-1.40171	0.161003	0.362513	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1063135	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5119	17.96049	-0.73569	0.524939	-1.40148	0.16107	0.362513	chr4	51195120	51196623	+	0	NA	Intergeni	ALR/Alpha	-647129	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr20-270	15.99895	-0.77618	0.554118	-1.40075	0.161289	0.362513	chr20	27084632	27089782	+	0	NA	Intergeni	ALR/Alpha	-877974	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chrY-1128	16.56947	-0.76403	0.545489	-1.40063	0.161324	0.362513	chrY	11287401	11291036	+	0	NA	Intergeni	Intergeni	1132372	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr10-412	16.04514	-0.7748	0.553226	-1.40052	0.161358	0.362513	chr10	41274980	41275748	+	0	NA	Intergeni	ALR/Alpha	1092681	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-178	16.50158	-0.76357	0.545207	-1.4005	0.161362	0.362513	chr13	17885386	17886314	+	0	NA	Intergeni	ALR/Alpha	-309447	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4839	16.50158	-0.76357	0.545207	-1.4005	0.161362	0.362513	chr5	48394830	48396207	+	0	NA	Intergeni	ALR/Alpha	2045770	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-288	16.54777	-0.76225	0.544566	-1.39973	0.161593	0.362513	chr20	28821940	28825352	+	0	NA	Intergeni	ALR/Alpha	-220981	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4991	39.30629	-0.50993	0.364361	-1.39952	0.161659	0.362513	chr5	49917222	49917832	+	0	NA	Intergeni	ALR/Alpha	523761	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1240	30.35974	-0.57744	0.412627	-1.39942	0.161688	0.362513	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2529851	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-183	15.53972	-0.79353	0.567227	-1.39897	0.161822	0.362513	chr15	18363267	18363561	+	0	NA	Intergeni	ALR/Alpha	-1919330	NR_038836	646096	Hs.447889	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr10-400	15.01818	-0.80057	0.572452	-1.3985	0.161963	0.362513	chr10	40070708	40071854	+	0	NA	Intergeni	ALR/Alpha	1374685	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-275	15.01818	-0.80057	0.572452	-1.3985	0.161963	0.362513	chr20	27526459	27527448	+	0	NA	Intergeni	ALR/Alpha	1075712	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-885	16.02344	-0.77297	0.552805	-1.39827	0.162031	0.362513	chr21	8857273	8861450	+	0	NA	Intergeni	Intergeni	-127638	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|h	microRNA	ncRNA
chr1-1238	44.09885	-0.49751	0.355861	-1.39804	0.162102	0.362513	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2342121	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-274	17.0504	-0.75044	0.536885	-1.39777	0.162181	0.362513	chr20	27498022	27499263	+	0	NA	Intergeni	ALR/Alpha	1104023	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr3-9104	15.04267	-0.79713	0.570904	-1.39625	0.162638	0.362513	chr3	91048382	91049174	+	0	NA	Intergeni	ALR/Alpha	1941157	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr12-350	14.99647	-0.79862	0.572034	-1.3961	0.162684	0.362513	chr12	35075690	35076767	+	0	NA	Intergeni	ALR/Alpha	1053732	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr20-273	14.99647	-0.79862	0.572034	-1.3961	0.162684	0.362513	chr20	27341525	27341724	+	0	NA	Intergeni	ALR/Alpha	-1132391	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-278	14.99647	-0.79862	0.572034	-1.3961	0.162684	0.362513	chr20	27896541	27899695	+	0	NA	Intergeni	ALR/Alpha	704547	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-292	64.90018	-0.41118	0.29454	-1.396	0.162714	0.362513	chr20	29261791	29263962	+	0	NA	Intergeni	ALR/Alpha	154085	NR_037925	647476	Hs.274541	NR_037925		FRG2EP	-	FSHD regi	pseudo
chr20-283	16.45539	-0.76491	0.548161	-1.39541	0.162893	0.362513	chr20	28371370	28374357	+	0	NA	Intergeni	ALR/Alpha	229802	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr13-171	15.49911	-0.78442	0.562152	-1.39539	0.162898	0.362513	chr13	17183136	17184850	+	0	NA	Intergeni	ALR/Alpha	-1011304	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-118	15.5453	-0.783	0.56132	-1.39493	0.163038	0.362513	chr22	11865968	11869805	+	0	NA	Intergeni	Intergeni	-29520	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-267	16.47988	-0.76178	0.546286	-1.39448	0.163173	0.362513	chr20	26727796	26728893	+	0	NA	Intergeni	ALR/Alpha	-519111	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5880	16.47988	-0.76178	0.546286	-1.39448	0.163173	0.362513	chr6	58800487	58801754	+	0	NA	Intergeni	ALR/Alpha	-839674	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4847	24.24304	-0.63171	0.453251	-1.39373	0.163398	0.362513	chr5	48479609	48480609	+	0	NA	Intergeni	ALR/Alpha	1961179	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-175	16.00174	-0.77114	0.553425	-1.3934	0.163499	0.362513	chr14	17520889	17521956	+	0	NA	Intergeni	ALR/Alpha	-1079695	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr18-155	16.00174	-0.77114	0.553425	-1.3934	0.163499	0.362513	chr18	15568817	15570946	+	0	NA	Intergeni	ALR/Alpha	-243962	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr22-119	16.00174	-0.77114	0.553425	-1.3934	0.163499	0.362513	chr22	11948528	11948736	+	0	NA	intron (N	L1MB2|LIN	51226	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr5-4888	66.0458	-0.41096	0.294937	-1.39337	0.163508	0.362513	chr5	48886128	48886344	+	0	NA	Intergeni	ALR/Alpha	1555052	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-270	43.15195	-0.48807	0.350304	-1.39327	0.163539	0.362513	chr19	27024764	27024972	+	0	NA	Intergeni	ALR/Alpha	-768563	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-165	24.19685	-0.63254	0.4541	-1.39295	0.163635	0.362513	chr13	16581382	16581626	+	0	NA	Intergeni	ALR/Alpha	-1613793	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-146	18.00947	-0.73	0.524139	-1.39276	0.163692	0.362513	chr22	14668346	14668974	+	0	NA	Intergeni	ALR/Alpha	-859499	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr7-1483	16.98251	-0.74997	0.538813	-1.3919	0.163954	0.362859	chr7	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	-259123	NM_145304	202865	Hs.352212	NM_145304	ENSG00000	C7orf33	-	chromosom	protein-coding
chr1-1231	34.36466	-0.54683	0.393241	-1.39057	0.164357	0.362913	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1596118	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-265	25.72923	-0.61496	0.44234	-1.39025	0.164454	0.362913	chr17	26522137	26522377	+	0	NA	Intergeni	ALR/Alpha	566984	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-169	16.50437	-0.75868	0.545718	-1.39024	0.164455	0.362913	chr13	16959853	16960069	+	0	NA	Intergeni	ALR/Alpha	-1235336	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr18-172	15.08886	-0.79565	0.572422	-1.38998	0.164536	0.362913	chr18	17227724	17228099	+	0	NA	Intergeni	ALR/Alpha	-1901992	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-277	47.30214	-0.46415	0.334012	-1.38962	0.164643	0.362913	chr20	27711133	27711582	+	0	NA	Intergeni	ALR/Alpha	891308	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-104	15.45291	-0.78587	0.565533	-1.38962	0.164645	0.362913	chr21	10454963	10455595	+	0	NA	TTS (NM_0	TTS (NM_0	41747	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr17-235	15.4774	-0.78254	0.563371	-1.38902	0.164826	0.362913	chr17	23582911	23583730	+	0	NA	Intergeni	ALR/Alpha	1060209	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr21-120	15.4774	-0.78254	0.563371	-1.38902	0.164826	0.362913	chr21	12048186	12049590	+	0	NA	Intergeni	ALR/Alpha	-989278	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr3-9359	20.21252	-0.71086	0.512286	-1.38763	0.165251	0.363616	chr3	93591167	93591402	+	0	NA	Intergeni	ALR/Alpha	382797	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr14-179	16.43368	-0.76312	0.550275	-1.38681	0.165501	0.363933	chr14	17915266	17917128	+	0	NA	Intergeni	ALR/Alpha	-684920	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-281	23.19159	-0.64408	0.464629	-1.38622	0.165678	0.364088	chr20	28194439	28195896	+	0	NA	Intergeni	ALR/Alpha	407498	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4911	71.74165	-0.38811	0.280071	-1.38577	0.165817	0.36416	chr5	49114887	49115823	+	0	NA	Intergeni	ALR/Alpha	1325933	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-260	55.75163	-0.43277	0.312429	-1.38518	0.165996	0.364319	chr19	26041039	26041446	+	0	NA	Intergeni	ALR/Alpha	-1752189	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-401	33.59147	-0.54253	0.392191	-1.38333	0.166564	0.365228	chr10	40157637	40158999	+	0	NA	Intergeni	ALR/Alpha	1461722	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4757	33.70835	-0.53987	0.390381	-1.38293	0.166687	0.365228	chr5	47572606	47573254	+	0	NA	Intergeni	ALR/Alpha	-1876550	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-270	23.16989	-0.64277	0.464834	-1.38279	0.16673	0.365228	chr19	27028007	27029009	+	0	NA	Intergeni	ALR/Alpha	-764923	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-120	17.43895	-0.74004	0.535535	-1.38187	0.16701	0.365609	chr21	12078381	12078594	+	0	NA	Intergeni	ALR/Alpha	-959679	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-260	22.68896	-0.65026	0.47076	-1.38129	0.167188	0.365765	chr19	26013451	26013944	+	0	NA	Intergeni	ALR/Alpha	-1779734	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-5977	15.13226	-0.79964	0.579058	-1.38093	0.167302	0.365779	chr6	59774962	59775975	+	0	NA	Intergeni	ALR/Alpha	-1798662	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr9-4414	23.28676	-0.63884	0.462737	-1.38056	0.167414	0.365791	chr9	44146893	44147227	+	0	NA	Intergeni	ALR/Alpha	1020894	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-267	19.06092	-0.70937	0.514117	-1.37979	0.167651	0.366076	chr20	26712975	26713216	+	0	NA	Intergeni	ALR/Alpha	-503862	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-410	22.23531	-0.65207	0.473358	-1.37754	0.168346	0.367359	chr10	41029480	41029850	+	0	NA	Intergeni	ALR/Alpha	1338380	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4796	20.90559	-0.68547	0.497916	-1.37669	0.168609	0.3677	chr5	47969227	47969440	+	0	NA	Intergeni	ALR/Alpha	-2272953	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-279	22.18912	-0.653	0.474604	-1.37589	0.168857	0.368005	chr20	27920937	27923351	+	0	NA	Intergeni	ALR/Alpha	680521	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1241	57.42928	-0.42277	0.307385	-1.37536	0.169018	0.368123	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2625348	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	37.78506	-0.50823	0.370293	-1.37251	0.169906	0.369795	chr19	26918125	26918406	+	0	NA	Intergeni	ALR/Alpha	-875166	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1236	21.71098	-0.65729	0.479006	-1.3722	0.170002	0.369795	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2089193	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-129	18.99303	-0.70884	0.516862	-1.37143	0.170241	0.37008	chr21	12915567	12915789	+	0	NA	Intergeni	ALR/Alpha	-122488	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4857	16.02902	-0.76283	0.556541	-1.37066	0.170482	0.370334	chr5	48576835	48577433	+	0	NA	Intergeni	ALR/Alpha	1864154	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-266	62.81401	-0.40504	0.295575	-1.37036	0.170575	0.370334	chr19	26655306	26656349	+	0	NA	Intergeni	ALR/Alpha	-1137604	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-267	22.2164	-0.64706	0.472301	-1.37001	0.170682	0.370334	chr20	26701117	26702068	+	0	NA	Intergeni	ALR/Alpha	-492359	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1246	41.11972	-0.49333	0.360639	-1.36793	0.171333	0.37121	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3160249	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	21.75996	-0.65262	0.477153	-1.36774	0.171394	0.37121	chr10	40286133	40289751	+	0	NA	Intergeni	ALR/Alpha	1591346	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-107	21.23284	-0.66179	0.483899	-1.36762	0.171431	0.37121	chr21	10745909	10760152	+	0	NA	Intergeni	ALR/Alpha	231516	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding

chr5-4836	19.9738	-0.69392	0.507494	-1.36734	0.17152	0.37121	chr5	48361010	48361343	+	0	NA	Intergeni	ALR/Alpha	2080112	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-135	22.1702	-0.64797	0.47409	-1.36677	0.171698	0.371362	chr22	13566779	13567041	+	0	NA	Intergeni	ALR/Alpha	1669504	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr11-526	41.44595	-0.48747	0.356787	-1.36627	0.171854	0.371466	chr11	52690104	52690478	+	0	NA	Intergeni	ALR/Alpha	1913707	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1242	31.18302	-0.57072	0.418239	-1.36457	0.172389	0.372283	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2687997	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-190	21.23562	-0.65797	0.482485	-1.36372	0.172656	0.372283	chr18	19025255	19025516	+	0	NA	Intergeni	ALR/Alpha	2086428	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr21-116	21.23562	-0.65797	0.482485	-1.36372	0.172656	0.372283	chr21	11602814	11603047	+	0	NA	Intergeni	ALR/Alpha	1081416	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-276	17.91988	-0.7277	0.533653	-1.36363	0.172684	0.372283	chr20	27610883	27611265	+	0	NA	Intergeni	ALR/Alpha	991591	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr12-355	36.82878	-0.50935	0.373665	-1.36313	0.172842	0.372283	chr12	35597039	35598194	+	0	NA	Intergeni	ALR/Alpha	1575120	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr20-272	20.7302	-0.66899	0.490825	-1.36299	0.172884	0.372283	chr20	27257976	27259977	+	0	NA	Intergeni	ALR/Alpha	-1049743	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-284	19.44947	-0.70085	0.515411	-1.3598	0.173894	0.374222	chr20	28471884	28472172	+	0	NA	Intergeni	ALR/Alpha	130637	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-537	46.35143	-0.46047	0.338963	-1.35847	0.174315	0.374892	chr11	53700305	53700620	+	0	NA	Intergeni	ALR/Alpha	903536	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr7-5893	21.20277	-0.67232	0.495303	-1.35738	0.17466	0.375359	chr7	58939023	58939427	+	0	NA	Intergeni	ALR/Alpha	1489048	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4927	48.36196	-0.45636	0.336274	-1.35709	0.174751	0.375359	chr5	49275640	49275847	+	0	NA	Intergeni	ALR/Alpha	1165545	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-408	20.25485	-0.66998	0.494138	-1.35585	0.175146	0.375971	chr10	40829612	40831838	+	0	NA	Intergeni	ALR/Alpha	1537320	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4924	54.13523	-0.43156	0.318672	-1.35423	0.175661	0.376564	chr5	49243227	49244204	+	0	NA	Intergeni	ALR/Alpha	1197573	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-268	49.05605	-0.44643	0.329659	-1.35422	0.175668	0.376564	chr19	26807954	26808214	+	0	NA	Intergeni	ALR/Alpha	-985347	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-278	21.69485	-0.64843	0.478991	-1.35375	0.175817	0.376564	chr20	27847634	27847967	+	0	NA	Intergeni	ALR/Alpha	754865	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1244	42.98391	-0.47807	0.35318	-1.35361	0.175862	0.376564	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2892521	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-196	20.27934	-0.66748	0.493943	-1.35133	0.176588	0.377779	chr15	19640129	19641451	+	0	NA	Intergeni	ALR/Alpha	-641954	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1240	54.25211	-0.42995	0.318277	-1.35087	0.176738	0.377779	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2580966	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1228	43.7214	-0.46793	0.346407	-1.3508	0.17676	0.377779	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1360881	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4769	31.51863	-0.54815	0.406259	-1.34926	0.177253	0.378169	chr5	47694563	47697120	+	0	NA	Intergeni	ALR/Alpha	-1999461	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-272	19.70882	-0.67468	0.500204	-1.3488	0.177401	0.378169	chr20	27250959	27251901	+	0	NA	Intergeni	ALR/Alpha	-1042197	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4901	25.8745	-0.59637	0.442204	-1.34863	0.177456	0.378169	chr5	49010782	49011112	+	0	NA	Intergeni	ALR/Alpha	1430341	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-269	19.75501	-0.67364	0.499532	-1.34853	0.177487	0.378169	chr20	26994114	26998377	+	0	NA	Intergeni	ALR/Alpha	-787012	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-260	84.50941	-0.36036	0.267225	-1.34851	0.177494	0.378169	chr17	26098077	26098327	+	0	NA	Intergeni	ALR/Alpha	991039	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-254	31.24417	-0.55067	0.408771	-1.34713	0.177938	0.378433	chr19	25400559	25400789	+	0	NA	Intergeni	ALR/Alpha	-1237227	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-125	26.40441	-0.58699	0.435768	-1.34703	0.177971	0.378433	chr21	12571974	12572998	+	0	NA	Intergeni	ALR/Alpha	-465680	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BF	C21orf99|	ankyrin r	pseudo
chr19-251	37.26631	-0.50483	0.374815	-1.34687	0.178022	0.378433	chr19	25182688	25184148	+	0	NA	Intergeni	ALR/Alpha	-1019971	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-265	31.13845	-0.54288	0.4032	-1.34644	0.178162	0.378433	chr20	26589322	26589556	+	0	NA	Intergeni	ALR/Alpha	-380206	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4887	19.20619	-0.68276	0.507095	-1.34641	0.17817	0.378433	chr5	48872041	48872256	+	0	NA	Intergeni	ALR/Alpha	1569140	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-411	34.83996	-0.51852	0.385257	-1.3459	0.178335	0.378549	chr10	41187878	41188619	+	0	NA	Intergeni	ALR/Alpha	1179797	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-536	35.31252	-0.52268	0.388454	-1.34554	0.178452	0.378562	chr11	53620742	53621085	+	0	NA	Intergeni	ALR/Alpha	983085	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-280	19.23068	-0.68012	0.505831	-1.34456	0.178769	0.37889	chr20	28049227	28050735	+	0	NA	Intergeni	ALR/Alpha	552684	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-141	19.66263	-0.67574	0.502642	-1.34437	0.178828	0.37889	chr22	14107384	14108579	+	0	NA	Intergeni	ALR/Alpha	-1420178	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr8-4503	36.26105	-0.50868	0.378536	-1.34382	0.179006	0.379005	chr8	45039184	45039618	+	0	NA	Intergeni	ALR/Alpha	1578242	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr20-271	30.63582	-0.54576	0.406244	-1.34343	0.179133	0.379005	chr20	27116910	27118097	+	0	NA	Intergeni	ALR/Alpha	-908270	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr16-342	21.52789	-0.66921	0.498261	-1.34309	0.179244	0.379005	chr16	34276979	34277178	+	0	NA	Intergeni	ALR/Alpha	104402	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr20-303	20.28213	-0.6635	0.49423	-1.34249	0.179439	0.379005	chr20	30384149	30384595	+	0	NA	intron (N	L1MEc|LIN	7208	NR_145491	284802	Hs.653099	NM_207350		FRG1BP	C20orf80|	FSHD regi	pseudo
chr5-5000	19.18449	-0.6812	0.507488	-1.3423	0.1795	0.379005	chr5	50004449	50004742	+	0	NA	Intergeni	ALR/Alpha	436693	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-269	25.37076	-0.61073	0.455084	-1.34201	0.179592	0.379005	chr19	26999135	26999354	+	0	NA	Intergeni	ALR/Alpha	-794187	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-175	18.51768	-0.7107	0.529659	-1.34181	0.179657	0.379005	chr13	17587372	17587704	+	0	NA	Intergeni	ALR/Alpha	-607759	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-268	25.97246	-0.58857	0.438799	-1.34132	0.179816	0.379107	chr20	26873075	26875553	+	0	NA	Intergeni	ALR/Alpha	-665081	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr7-5971	19.71161	-0.67059	0.500257	-1.3405	0.180084	0.379382	chr7	59718394	59718606	+	0	NA	Intergeni	ALR/Alpha	2268323	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-278	18.72247	-0.69743	0.520374	-1.34024	0.180168	0.379382	chr20	27813326	27814682	+	0	NA	Intergeni	ALR/Alpha	788661	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-277	18.70635	-0.68696	0.512917	-1.33932	0.180465	0.37944	chr20	27749039	27752947	+	0	NA	Intergeni	ALR/Alpha	851672	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-9368	18.75254	-0.68586	0.512094	-1.33932	0.180467	0.37944	chr4	9368140	9368966	+	0	NA	non-codin	non-codin	679	NR_027279	391622	Hs.722658	NR_027279	ENSG00000	USP17L6P	DUB4|USP1	ubiquitin	pseudo
chr7-6043	18.22542	-0.69749	0.520851	-1.33913	0.180528	0.37944	chr7	60437651	60439204	+	0	NA	Intergeni	ALR/Alpha	2865629	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr3-9258	18.65737	-0.69247	0.517763	-1.33743	0.181081	0.380371	chr3	92589103	92590819	+	0	NA	Intergeni	ALR/Alpha	1384120	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr17-257	52.85941	-0.42812	0.320246	-1.33684	0.181274	0.380434	chr17	25769639	25769856	+	0	NA	Intergeni	ALR/Alpha	1319494	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-256	19.16279	-0.67964	0.508713	-1.336	0.181549	0.380434	chr17	25637040	25637239	+	0	NA	Intergeni	ALR/Alpha	1452102	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-280	19.16279	-0.67964	0.508713	-1.336	0.181549	0.380434	chr20	28020449	28021928	+	0	NA	Intergeni	ALR/Alpha	581477	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-4344	22.20027	-0.63829	0.477765	-1.33598	0.181555	0.380434	chr9	43446083	43446485	+	0	NA	Intergeni	ALR/Alpha	320118	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr15-187	17.72279	-0.70696	0.529724	-1.33458	0.182014	0.380916	chr15	18759107	18760448	+	0	NA	Intergeni	ALR/Alpha	-1522967	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4788	18.79873	-0.68476	0.513156	-1.3344	0.182072	0.380916	chr5	47882961	47883168	+	0	NA	Intergeni	ALR/Alpha	-2186684	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-524	19.18728	-0.677	0.507442	-1.33414	0.182157	0.380916	chr11	52425370	52425891	+	0	NA	Intergeni	ALR/Alpha	2016483	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-407	18.77703	-0.68316	0.5123	-1.33352	0.182362	0.380916	chr10	40782022	40782518	+	0	NA	Intergeni	ALR/Alpha	1585775	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr3-9371	24.84753	-0.60446	0.453326	-1.33339	0.182404	0.380916	chr3	93710715	93713305	+	0	NA	Intergeni	ALR/Alpha	262071	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr1-1225	33.86198	-0.51907	0.389332	-1.33324	0.182453	0.380916	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1006036	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-247	38.07448	-0.49067	0.368151	-1.3328	0.182599	0.380989	chr19	24748697	24749293	+	0	NA	Intergeni	ALR/Alpha	-585548	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-410	25.85837	-0.58887	0.442109	-1.33195	0.182878	0.381159	chr10	41035112	41036176	+	0	NA	Intergeni	ALR/Alpha	1332401	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-197	33.813	-0.52212	0.392114	-1.33155	0.183007	0.381159	chr15	19775405	19780124	+	0	NA	Intergeni	ALR/Alpha	-504980	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr20-283	18.2527	-0.69028	0.518629	-1.33097	0.183199	0.381159	chr20	28331794	28332850	+	0	NA	Intergeni	ALR/Alpha	270343	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-265	27.59444	-0.576	0.432861	-1.33069	0.183291	0.381159	chr19	26561516	26561738	+	0	NA	Intergeni	ALR/Alpha	-1231804	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-4988	17.67938	-0.70355	0.528861	-1.33032	0.183414	0.381159	chr4	49885308	49885750	+	0	NA	Intergeni	ALR/Alpha	898887	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr18-154	17.70387	-0.70066	0.526744	-1.33018	0.183459	0.381159	chr18	15476244	15480256	+	0	NA	Intergeni	ALR/Alpha	-152331	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-273	17.70387	-0.70066	0.526744	-1.33018	0.183459	0.381159	chr20	27335093	27338481	+	0	NA	Intergeni	ALR/Alpha	-1127554	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5943	25.7849	-0.59481	0.447558	-1.329	0.183846	0.381732	chr6	59431372	59431905	+	0	NA	Intergeni	ALR/Alpha	-1470192	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-264	24.42116	-0.59971	0.45152	-1.32819	0.184114	0.382056	chr20	26477828	26480678	+	0	NA	Intergeni	ALR/Alpha	-270020	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr7-5911	67.85142	-0.38202	0.287761	-1.32758	0.184319	0.382099	chr7	59111297	59111653	+	0	NA	Intergeni	ALR/Alpha	1661298	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-515	50.04629	-0.4367	0.328976	-1.32746	0.184358	0.382099	chr11	51560399	51561081	+	0	NA	Intergeni	ALR/Alpha	1151593	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-276	33.36214	-0.51889	0.391312	-1.32604	0.184828	0.382616	chr20	27655920	27656827	+	0	NA	Intergeni	ALR/Alpha	946292	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-4378	16.74481	-0.71961	0.542711	-1.32595	0.184856	0.382616	chr9	43785593	43786997	+	0	NA	Intergeni	ALR/Alpha	660129	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr4-5150	23.98085	-0.61197	0.461806	-1.32517	0.185115	0.382616	chr4	51502708	51503114	+	0	NA	Intergeni	ALR/Alpha	-340089	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr19-257	16.7231	-0.71782	0.541784	-1.32491	0.185201	0.382616	chr19	25739293	25740738	+	0	NA	Intergeni	ALR/Alpha	-1576568	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr16-379	18.1848	-0.68977	0.520786	-1.32448	0.185343	0.382616	chr16	37926164	37927799	+	0	NA	Intergeni	ALR/Alpha	2180429	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr21-913	17.27193	-0.7063	0.533284	-1.32444	0.185358	0.382616	chr21	9138502	9145370	+	0	NA	Intergeni	L1PA7|LIN	-12175	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr18-181	17.17396	-0.71836	0.542431	-1.32434	0.185389	0.382616	chr18	18191448	18192692	+	0	NA	Intergeni	ALR/Alpha	-2866151	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4835	24.39946	-0.59845	0.452285	-1.32317	0.185778	0.382698	chr5	48356632	48357783	+	0	NA	Intergeni	ALR/Alpha	2084081	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-9213	16.7693	-0.71656	0.541577	-1.3231	0.185803	0.382698	chr3	92134964	92136172	+	0	NA	Intergeni	ALR/Alpha	1838513	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr13-170	17.28805	-0.71765	0.542526	-1.32279	0.185907	0.382698	chr13	17047339	17047577	+	0	NA	Intergeni	ALR/Alpha	-1147839	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1240	16.74759	-0.71478	0.540653	-1.32207	0.186146	0.382698	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2547122	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	16.74759	-0.71478	0.540653	-1.32207	0.186146	0.382698	chr10	40483411	40485896	+	0	NA	Intergeni	ALR/Alpha	1788057	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr13-169	16.22047	-0.72879	0.551316	-1.32191	0.186199	0.382698	chr13	16981479	16981761	+	0	NA	Intergeni	ALR/Alpha	-1213677	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr12-349	17.70666	-0.69613	0.526731	-1.3216	0.186302	0.382698	chr12	34944057	34944400	+	0	NA	Intergeni	ALR/Alpha	921732	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-260	23.4621	-0.60884	0.460755	-1.32139	0.18637	0.382698	chr19	26078960	26080044	+	0	NA	Intergeni	ALR/Alpha	-1713929	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1217	52.61122	-0.42957	0.325139	-1.3212	0.186434	0.382698	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	228533	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4464	16.26667	-0.72748	0.550897	-1.32053	0.186658	0.382835	chr9	44649536	44650855	+	0	NA	Intergeni	ALR/Alpha	1524029	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-403	34.82942	-0.50813	0.384852	-1.32033	0.186724	0.382835	chr10	40346491	40346715	+	0	NA	Intergeni	ALR/Alpha	1650007	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr3-9370	33.26417	-0.52513	0.397939	-1.31962	0.186961	0.382872	chr3	93708078	93708756	+	0	NA	Intergeni	ALR/Alpha	265664	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr20-265	29.72852	-0.54504	0.413034	-1.31961	0.186966	0.382872	chr20	26511693	26512058	+	0	NA	Intergeni	ALR/Alpha	-302642	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-268	31.55428	-0.53601	0.406427	-1.31883	0.187224	0.383092	chr20	26801778	26802397	+	0	NA	Intergeni	ALR/Alpha	-592854	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1241	16.72589	-0.71301	0.540726	-1.31862	0.187297	0.383092	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2611112	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-372	29.05167	-0.56345	0.427967	-1.31657	0.187984	0.383336	chr12	37246234	37247338	+	0	NA	Intergeni	ALR/Alpha	-1069988	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr17-257	16.26945	-0.7225	0.548856	-1.31638	0.188047	0.383336	chr17	25725409	25725694	+	0	NA	Intergeni	ALR/Alpha	1363690	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-405	23.41869	-0.60623	0.460529	-1.31637	0.188049	0.383336	chr10	40586408	40588609	+	0	NA	Intergeni	ALR/Alpha	1780537	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-109	17.73115	-0.69327	0.526891	-1.31577	0.188251	0.383336	chr21	10964067	10964415	+	0	NA	Intergeni	ALR/Alpha	442727	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr19-249	37.0748	-0.48959	0.372144	-1.31559	0.18831	0.383336	chr19	24988029	24988546	+	0	NA	Intergeni	ALR/Alpha	-824840	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-523	17.18233	-0.70406	0.535339	-1.31517	0.188454	0.383336	chr21	5232263	5232847	+	0	NA	Intergeni	Intergeni	-77897	NR_160695	1.03E+08	Hs.449076	NM_001368	ENSG00000	LOC102724	-	periodic	protein-coding
chr8-4570	15.218	-0.7476	0.56889	-1.31414	0.188799	0.383336	chr8	45707468	45709197	+	0	NA	Intergeni	ALR/Alpha	909311	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr1-1239	16.24775	-0.72068	0.548433	-1.31408	0.188821	0.383336	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2443182	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-273	16.24775	-0.72068	0.548433	-1.31408	0.188821	0.383336	chr20	27343863	27345655	+	0	NA	Intergeni	ALR/Alpha	-1135526	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-265	16.20156	-0.72198	0.549623	-1.31359	0.188983	0.383336	chr20	26575840	26576811	+	0	NA	Intergeni	ALR/Alpha	-367092	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-115	16.20156	-0.72198	0.549623	-1.31359	0.188983	0.383336	chr21	11552276	11553766	+	0	NA	Intergeni	ALR/Alpha	1031507	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4767	22.91606	-0.61146	0.465551	-1.31342	0.189042	0.383336	chr5	47675495	47676735	+	0	NA	Intergeni	ALR/Alpha	-1979735	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-177	15.69893	-0.73342	0.558468	-1.31328	0.189089	0.383336	chr14	17758868	17759136	+	0	NA	Intergeni	ALR/Alpha	-842115	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-141	15.24249	-0.74422	0.566714	-1.31322	0.189109	0.383336	chr22	14153755	14155718	+	0	NA	Intergeni	ALR/Alpha	-1373423	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr6-5982	16.75038	-0.70999	0.540831	-1.31277	0.18926	0.383336	chr6	59828280	59828642	+	0	NA	Intergeni	ALR/Alpha	-1745669	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr19-261	35.23297	-0.5178	0.394454	-1.3127	0.189283	0.383336	chr19	26106606	26106823	+	0	NA	Intergeni	ALR/Alpha	-1686717	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-148	29.46749	-0.55567	0.423359	-1.31253	0.189343	0.383336	chr22	14830750	14831387	+	0	NA	Intergeni	ALR/Alpha	-697091	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-170	15.19351	-0.75107	0.572589	-1.31171	0.189618	0.383336	chr14	17054121	17054662	+	0	NA	Intergeni	ALR/Alpha	-1546726	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr16-382	37.98985	-0.50413	0.384341	-1.31166	0.189634	0.383336	chr16	38265971	38268936	+	0	NA	Intergeni	ALR/Alpha	2520901	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr12-351	28.4667	-0.56463	0.43054	-1.31144	0.189709	0.383336	chr12	35133515	35133754	+	0	NA	Intergeni	ALR/Alpha	1111138	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-414	22.94055	-0.60928	0.464776	-1.3109	0.189892	0.383336	chr10	41494330	41495726	+	0	NA	Intergeni	ALR/Alpha	873017	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-5052	15.22079	-0.74228	0.566295	-1.31077	0.189935	0.383336	chr4	50525242	50527119	+	0	NA	Intergeni	ALR/Alpha	-1316820	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr8-8581	15.72342	-0.73019	0.557139	-1.31061	0.18999	0.383336	chr8	85811018	85817875	+	0	NA	Intergeni	CpG	-10885	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr8-8578	16.22605	-0.71886	0.549048	-1.30928	0.190439	0.383991	chr8	85781565	85782144	+	0	NA	Intergeni	Intergeni	-5761	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-267	15.26698	-0.74088	0.565996	-1.30899	0.190538	0.383991	chr20	26716080	26717336	+	0	NA	Intergeni	ALR/Alpha	-507475	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-174	22.84259	-0.61822	0.472502	-1.3084	0.190738	0.384167	chr13	17469382	17469602	+	0	NA	Intergeni	ALR/Alpha	-725805	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr7-6001	24.57029	-0.61244	0.468295	-1.30781	0.190936	0.384341	chr7	60016928	60017133	+	0	NA	Intergeni	ALR/Alpha	2566853	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-5978	17.13614	-0.70528	0.539494	-1.3073	0.191109	0.384348	chr7	59784105	59784388	+	0	NA	Intergeni	ALR/Alpha	2334069	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr8-8577	23.46767	-0.60195	0.460509	-1.30714	0.191164	0.384348	chr8	85770319	85770626	+	0	NA	Intergeni	MIR|SINE|	5621	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr1-1228	17.84524	-0.69253	0.530516	-1.30539	0.19176	0.385318	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1341281	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo

chr15-184	15.74791	-0.72697	0.557177	-1.30474	0.191982	0.385318	chr15	18414891	18416291	+	0	NA	Intergeni	ALR/Alpha	-1867153	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr10-405	39.77104	-0.47658	0.365272	-1.30473	0.191984	0.385318	chr10	40598530	40599669	+	0	NA	Intergeni	ALR/Alpha	1768946	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-122	16.68249	-0.70944	0.543889	-1.30438	0.192103	0.38533	chr21	12263187	12264263	+	0	NA	Intergeni	ALR/Alpha	-774441	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-265	36.15913	-0.4943	0.3791	-1.30389	0.192272	0.385438	chr19	26578832	26579081	+	0	NA	Intergeni	ALR/Alpha	-1214475	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-281	27.55214	-0.56497	0.433456	-1.3034	0.192437	0.385438	chr20	28127151	28127706	+	0	NA	Intergeni	ALR/Alpha	475237	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-252	31.78914	-0.52311	0.401393	-1.30324	0.192494	0.385438	chr19	25294053	25296620	+	0	NA	Intergeni	ALR/Alpha	-1131889	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4917	32.05022	-0.54492	0.418419	-1.30234	0.192801	0.385826	chr5	49177635	49177835	+	0	NA	Intergeni	ALR/Alpha	1263553	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4773	27.21537	-0.56149	0.43147	-1.30135	0.19314	0.386121	chr5	47735165	47736048	+	0	NA	Intergeni	ALR/Alpha	-2039226	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-402	22.44071	-0.6111	0.469721	-1.30099	0.19326	0.386121	chr10	40284697	40285334	+	0	NA	Intergeni	ALR/Alpha	1588419	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr17-258	48.61745	-0.43233	0.33234	-1.30086	0.193306	0.386121	chr17	25828576	25828799	+	0	NA	Intergeni	ALR/Alpha	1260554	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-270	29.13909	-0.54378	0.418106	-1.30059	0.193399	0.386121	chr20	27056659	27056907	+	0	NA	Intergeni	ALR/Alpha	-847550	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1242	36.50706	-0.48865	0.375986	-1.29964	0.193723	0.38622	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2731896	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4465	21.93808	-0.61669	0.474676	-1.29918	0.193883	0.38622	chr9	44652526	44653006	+	0	NA	Intergeni	ALR/Alpha	1526600	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr13-174	23.16213	-0.62328	0.479759	-1.29914	0.193895	0.38622	chr13	17474907	17475122	+	0	NA	Intergeni	ALR/Alpha	-720283	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4786	73.46047	-0.36003	0.277129	-1.29913	0.193899	0.38622	chr5	47863888	47865016	+	0	NA	Intergeni	ALR/Alpha	-2168072	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-269	15.65553	-0.72966	0.562017	-1.29829	0.194187	0.386331	chr20	26956340	26956605	+	0	NA	Intergeni	ALR/Alpha	-747239	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-268	16.75317	-0.70513	0.543245	-1.298	0.194286	0.386331	chr20	26815500	26816097	+	0	NA	Intergeni	ALR/Alpha	-606565	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4904	32.79998	-0.51333	0.3955	-1.29792	0.194314	0.386331	chr5	49041539	49041747	+	0	NA	Intergeni	ALR/Alpha	1399645	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-415	21.41096	-0.62489	0.48155	-1.29765	0.194406	0.386331	chr10	41574567	41577274	+	0	NA	Intergeni	ALR/Alpha	792125	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-103	16.6363	-0.71068	0.548185	-1.29643	0.194828	0.386524	chr21	10336840	10337084	+	0	NA	Intergeni	AluY|SINE	-76558	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr3-9090	21.43545	-0.62253	0.480202	-1.2964	0.194839	0.386524	chr3	90909531	90909800	+	0	NA	Intergeni	ALR/Alpha	1802044	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr10-414	27.56051	-0.55595	0.428846	-1.29639	0.194842	0.386524	chr10	41438905	41440486	+	0	NA	Intergeni	ALR/Alpha	928350	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-267	46.18831	-0.4407	0.340068	-1.29591	0.195008	0.386591	chr20	26784806	26785071	+	0	NA	Intergeni	ALR/Alpha	-575705	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-404	35.59419	-0.49107	0.379053	-1.29552	0.195139	0.386591	chr10	40465789	40467720	+	0	NA	Intergeni	ALR/Alpha	1770158	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1227	47.29433	-0.43302	0.334509	-1.29449	0.195497	0.386591	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1258780	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-261	17.13893	-0.70052	0.541344	-1.29404	0.195651	0.386591	chr19	26139615	26139819	+	0	NA	Intergeni	ALR/Alpha	-1653714	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-418	20.93003	-0.63258	0.489025	-1.29355	0.195821	0.386591	chr10	41840858	41841708	+	0	NA	Intergeni	ALR/Alpha	526762	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4986	19.21735	-0.6657	0.514646	-1.29351	0.195836	0.386591	chr4	49860100	49860489	+	0	NA	Intergeni	ALR/Alpha	873652	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr17-257	24.56532	-0.59056	0.456586	-1.29343	0.195864	0.386591	chr17	25796406	25796639	+	0	NA	Intergeni	ALR/Alpha	1292719	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-171	21.45994	-0.6202	0.479685	-1.29293	0.196037	0.386591	chr13	17144723	17146026	+	0	NA	Intergeni	ALR/Alpha	-1049923	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4760	38.74966	-0.47424	0.366827	-1.29282	0.196073	0.386591	chr5	47607622	47608338	+	0	NA	Intergeni	ALR/Alpha	-1911600	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-415	26.67213	-0.55975	0.433007	-1.2927	0.196114	0.386591	chr10	41533473	41534497	+	0	NA	Intergeni	ALR/Alpha	834060	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-251	17.40492	-0.71226	0.550992	-1.2927	0.196116	0.386591	chr19	25178729	25179170	+	0	NA	Intergeni	ALR/Alpha	-1015502	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4820	27.22095	-0.5555	0.429831	-1.29237	0.196229	0.386591	chr5	48203296	48203870	+	0	NA	Intergeni	ALR/Alpha	2237705	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1238	27.15306	-0.55505	0.429617	-1.29198	0.196365	0.386637	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2364351	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-262	45.09514	-0.44399	0.343924	-1.29096	0.196718	0.387108	chr19	26266562	26266806	+	0	NA	Intergeni	ALR/Alpha	-1526747	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-274	20.95731	-0.62626	0.485365	-1.29029	0.196949	0.38725	chr20	27478082	27479647	+	0	NA	Intergeni	ALR/Alpha	1123801	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-528	21.00071	-0.62919	0.487708	-1.2901	0.197016	0.38725	chr11	52839833	52840936	+	0	NA	Intergeni	ALR/Alpha	1763614	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1228	21.43824	-0.61878	0.479968	-1.28921	0.197324	0.387591	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1301836	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9292	22.94613	-0.6022	0.467205	-1.28895	0.197416	0.387591	chr2	92920834	92921111	+	0	NA	Intergeni	ALR/Alpha	979839	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-264	43.29336	-0.46107	0.358509	-1.28609	0.198411	0.388906	chr20	26484555	26484799	+	0	NA	Intergeni	ALR/Alpha	-275444	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr3-9183	35.09434	-0.49052	0.381507	-1.28573	0.198536	0.388906	chr3	91835551	91835900	+	0	NA	Intergeni	ALR/Alpha	2138356	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr10-402	30.30574	-0.52923	0.411708	-1.28545	0.198636	0.388906	chr10	40213435	40213647	+	0	NA	Intergeni	ALR/Alpha	1516945	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-267	68.60676	-0.36666	0.285328	-1.28504	0.198777	0.388906	chr19	26781782	26782860	+	0	NA	Intergeni	ALR/Alpha	-1011110	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1229	30.37921	-0.52421	0.40798	-1.28489	0.198829	0.388906	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1394132	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-288	20.43298	-0.63115	0.491262	-1.28475	0.19888	0.388906	chr20	28829808	28834993	+	0	NA	Intergeni	ALR/Alpha	-229735	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-133	20.43298	-0.63115	0.491262	-1.28475	0.19888	0.388906	chr22	13396334	13396596	+	0	NA	Intergeni	ALR/Alpha	1499059	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-401	34.95298	-0.49443	0.385297	-1.28325	0.199406	0.389407	chr10	40100244	40100614	+	0	NA	Intergeni	ALR/Alpha	1403833	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr9-4354	20.50087	-0.63167	0.49228	-1.28315	0.199438	0.389407	chr9	43545964	43547355	+	0	NA	Intergeni	ALR/Alpha	420493	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-168	15.27256	-0.73027	0.569172	-1.28304	0.199477	0.389407	chr14	16869339	16869551	+	0	NA	Intergeni	ALR/Alpha	-1731672	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-172	20.91391	-0.62337	0.485981	-1.2827	0.199597	0.389418	chr14	17267006	17268338	+	0	NA	Intergeni	ALR/Alpha	-1333445	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr7-5861	19.95205	-0.63934	0.498738	-1.28193	0.199869	0.389727	chr7	58610473	58610704	+	0	NA	Intergeni	ALR/Alpha	1160411	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-411	37.81787	-0.4731	0.370039	-1.2785	0.201073	0.39167	chr10	41117444	41118079	+	0	NA	Intergeni	ALR/Alpha	1250284	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-283	26.03092	-0.56569	0.442639	-1.27799	0.201254	0.39167	chr20	28376509	28376794	+	0	NA	Intergeni	ALR/Alpha	226014	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1248	25.14253	-0.57003	0.446085	-1.27785	0.201303	0.39167	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3310538	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-268	20.50366	-0.62773	0.491361	-1.27754	0.201413	0.39167	chr20	26827853	26828701	+	0	NA	Intergeni	ALR/Alpha	-619044	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1238	20.43577	-0.62722	0.490987	-1.27747	0.201437	0.39167	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2329507	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-406	52.20371	-0.40862	0.320044	-1.27675	0.201691	0.391942	chr10	40633572	40634349	+	0	NA	Intergeni	ALR/Alpha	1734085	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-405	26.98999	-0.55904	0.437997	-1.27635	0.201833	0.39195	chr10	40502452	40502747	+	0	NA	Intergeni	ALR/Alpha	1806003	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-5870	21.48722	-0.61409	0.481399	-1.27563	0.202086	0.39195	chr6	58706281	58706552	+	0	NA	Intergeni	ALR/Alpha	-744970	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC0068	-	long inte	ncRNA
chr21-121	34.13527	-0.49362	0.386974	-1.27559	0.202099	0.39195	chr21	12194565	12194836	+	0	NA	Intergeni	ALR/Alpha	-843466	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr12-351	19.47391	-0.6438	0.504886	-1.27514	0.20226	0.39195	chr12	35126806	35129399	+	0	NA	Intergeni	ALR/Alpha	1105606	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr21-112	20.33501	-0.64138	0.502996	-1.27512	0.202267	0.39195	chr21	11257849	11258054	+	0	NA	Intergeni	ALR/Alpha	736437	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1236	44.71328	-0.43646	0.342567	-1.27408	0.202636	0.392442	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2084342	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-155	19.4305	-0.64066	0.503201	-1.27318	0.202955	0.392838	chr18	15505833	15506962	+	0	NA	Intergeni	ALR/Alpha	-180478	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-280	19.4767	-0.63964	0.502919	-1.27186	0.203424	0.393489	chr20	28046022	28048123	+	0	NA	Intergeni	ALR/Alpha	555593	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-407	20.41406	-0.62573	0.492088	-1.27158	0.203521	0.393489	chr10	40795777	40796289	+	0	NA	Intergeni	ALR/Alpha	1572012	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-280	27.59058	-0.54816	0.431359	-1.27077	0.203812	0.39366	chr20	28012348	28012774	+	0	NA	Intergeni	ALR/Alpha	590104	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-523	60.68159	-0.3823	0.300934	-1.27037	0.203953	0.39366	chr11	52332818	52333091	+	0	NA	Intergeni	ALR/Alpha	1923807	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr7-5929	54.81872	-0.39779	0.31313	-1.27037	0.203954	0.39366	chr7	59292334	59293363	+	0	NA	Intergeni	ALR/Alpha	1842671	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1235	25.12362	-0.56558	0.445494	-1.26956	0.20424	0.393852	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2009297	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-167	18.92787	-0.64793	0.510409	-1.26944	0.204283	0.393852	chr14	16750720	16751646	+	0	NA	Intergeni	ALR/Alpha	-1849934	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-266	19.4088	-0.63911	0.50359	-1.26912	0.2044	0.393855	chr19	26688337	26689794	+	0	NA	Intergeni	ALR/Alpha	-1104366	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-177	19.35982	-0.64436	0.507966	-1.2685	0.20462	0.394057	chr13	17792955	17794489	+	0	NA	Intergeni	ALR/Alpha	-401575	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1247	43.45425	-0.44409	0.350308	-1.26772	0.204896	0.394368	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3218506	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-264	18.95236	-0.64528	0.509135	-1.2674	0.205014	0.394372	chr19	26435519	26436181	+	0	NA	Intergeni	ALR/Alpha	-1357581	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1236	18.90617	-0.64634	0.510404	-1.26633	0.205394	0.394809	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2175821	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-4986	19.86524	-0.63326	0.500198	-1.26601	0.20551	0.394809	chr4	49864807	49866093	+	0	NA	Intergeni	ALR/Alpha	878808	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-267	19.43329	-0.63654	0.502877	-1.26579	0.205587	0.394809	chr20	26734589	26737096	+	0	NA	Intergeni	ALR/Alpha	-526609	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-513	24.13727	-0.5785	0.457152	-1.26545	0.205711	0.394827	chr11	51374544	51374852	+	0	NA	Intergeni	ALR/Alpha	965551	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-280	28.8307	-0.52739	0.417915	-1.26196	0.206962	0.397006	chr20	28036631	28037055	+	0	NA	Intergeni	ALR/Alpha	565822	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4954	41.44372	-0.44796	0.355099	-1.2615	0.207127	0.3971	chr5	49543067	49544045	+	0	NA	Intergeni	ALR/Alpha	897732	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr15-170	36.29948	-0.49521	0.392795	-1.26075	0.2074	0.3974	chr15	17009112	17009334	+	0	NA	Intergeni	ALR/Alpha	-3273521	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr20-272	18.90896	-0.6421	0.509976	-1.25907	0.208004	0.398266	chr20	27206757	27208840	+	0	NA	Intergeni	ALR/Alpha	-998565	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-249	32.51051	-0.50219	0.398927	-1.25885	0.208084	0.398266	chr19	24929888	24931319	+	0	NA	Intergeni	ALR/Alpha	-767156	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4790	36.24208	-0.47716	0.379255	-1.25816	0.208335	0.398524	chr5	47903677	47903959	+	0	NA	Intergeni	ALR/Alpha	-2207438	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-5028	18.40633	-0.6496	0.516593	-1.25747	0.208583	0.398776	chr4	50281582	50282703	+	0	NA	Intergeni	ALR/Alpha	1295500	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr19-266	18.43082	-0.64688	0.515758	-1.25424	0.209755	0.400793	chr19	26685770	26686433	+	0	NA	Intergeni	ALR/Alpha	-1107330	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-268	54.73192	-0.39532	0.315725	-1.2521	0.210534	0.402056	chr19	26845177	26845425	+	0	NA	Intergeni	ALR/Alpha	-948130	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-411	27.84993	-0.53136	0.424779	-1.25091	0.210969	0.402662	chr10	41158435	41158731	+	0	NA	Intergeni	ALR/Alpha	1209462	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-271	23.18378	-0.57977	0.463611	-1.25056	0.211094	0.402677	chr19	27134704	27137331	+	0	NA	Intergeni	ALR/Alpha	-657414	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-173	27.91783	-0.53183	0.425464	-1.25	0.211301	0.402847	chr13	17351156	17351734	+	0	NA	Intergeni	ALR/Alpha	-843852	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-261	18.45531	-0.64417	0.515963	-1.24848	0.211856	0.403682	chr19	26100174	26100445	+	0	NA	Intergeni	ALR/Alpha	-1693122	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-265	56.78869	-0.41074	0.329101	-1.24806	0.212008	0.403746	chr17	26517427	26517653	+	0	NA	Intergeni	ALR/Alpha	571701	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-269	17.45005	-0.66015	0.529249	-1.24733	0.212275	0.403805	chr20	26948788	26949908	+	0	NA	Intergeni	ALR/Alpha	-740115	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-123	17.45005	-0.66015	0.529249	-1.24733	0.212275	0.403805	chr21	12397520	12398230	+	0	NA	Intergeni	ALR/Alpha	-640291	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4902	61.79319	-0.3745	0.300349	-1.24689	0.212439	0.403894	chr5	49028928	49029162	+	0	NA	Intergeni	ALR/Alpha	1412243	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-263	17.40386	-0.66131	0.530752	-1.24599	0.212769	0.403983	chr19	26366849	26368522	+	0	NA	Intergeni	ALR/Alpha	-1425746	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-915	18.02057	-0.65248	0.523795	-1.24569	0.21288	0.403983	chr21	9152754	9154637	+	0	NA	Intergeni	HERVK9-ir	-23934	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr1-1228	22.65666	-0.58674	0.471077	-1.24552	0.21294	0.403983	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1351023	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5016	16.94742	-0.66885	0.537162	-1.24516	0.213073	0.403983	chr4	50164844	50165730	+	0	NA	Intergeni	ALR/Alpha	1178645	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr10-409	27.89891	-0.52779	0.423994	-1.24481	0.213203	0.403983	chr10	40975109	40976194	+	0	NA	Intergeni	ALR/Alpha	1392394	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-518	17.99887	-0.65081	0.522905	-1.24461	0.213275	0.403983	chr11	51893571	51893771	+	0	NA	Intergeni	ALR/Alpha	1484524	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr6-5926	23.09418	-0.57794	0.464395	-1.24451	0.213312	0.403983	chr6	59267383	59267714	+	0	NA	Intergeni	ALR/Alpha	-1306102	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC0068	-	long inte	ncRNA
chr19-264	27.80653	-0.52912	0.425451	-1.24366	0.213625	0.404046	chr19	26447036	26447238	+	0	NA	Intergeni	ALR/Alpha	-1346294	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4908	18.33844	-0.64908	0.522112	-1.24317	0.213804	0.404046	chr5	49086266	49086912	+	0	NA	Intergeni	ALR/Alpha	1354699	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-270	22.63775	-0.58175	0.468	-1.24306	0.213846	0.404046	chr20	27017138	27019224	+	0	NA	Intergeni	ALR/Alpha	-808948	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-145	18.06119	-0.66045	0.53137	-1.24292	0.213898	0.404046	chr22	14587364	14587667	+	0	NA	Intergeni	ALR/Alpha	-940644	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr19-258	20.13682	-0.63541	0.511262	-1.24282	0.213935	0.404046	chr19	25823994	25824215	+	0	NA	Intergeni	ALR/Alpha	-1660657	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-120	18.36293	-0.64632	0.520197	-1.24245	0.214069	0.404078	chr21	12080758	12080989	+	0	NA	Intergeni	ALR/Alpha	-957293	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chrY-5686	16.92572	-0.66709	0.537232	-1.24172	0.214341	0.404367	chrY	56866034	56867356	+	0	NA	Intergeni	AluSx|SIN	-87560	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty h	protein-coding
chr5-4743	31.5843	-0.49648	0.400193	-1.2406	0.214752	0.404479	chr5	47434782	47435412	+	0	NA	Intergeni	ALR/Alpha	-1738717	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr21-112	18.93624	-0.63516	0.51214	-1.24021	0.214898	0.404479	chr21	11241227	11241426	+	0	NA	Intergeni	ALR/Alpha	719812	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-277	17.35767	-0.6625	0.534392	-1.23973	0.215077	0.404479	chr20	27706739	27707600	+	0	NA	Intergeni	ALR/Alpha	895496	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-246	16.48819	-0.68184	0.550055	-1.23959	0.215127	0.404479	chr19	24607255	24607620	+	0	NA	Intergeni	ALR/Alpha	-443990	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-406	22.61604	-0.5804	0.468239	-1.23953	0.215148	0.404479	chr10	40610428	40612734	+	0	NA	Intergeni	ALR/Alpha	1756464	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-266	17.38216	-0.65959	0.532246	-1.23926	0.215249	0.404479	chr20	26684040	26684856	+	0	NA	Intergeni	ALR/Alpha	-475215	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr18-192	16.46928	-0.67504	0.544915	-1.2388	0.215418	0.404479	chr18	19281507	19281809	+	0	NA	Intergeni	ALR/Alpha	1830155	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr8-4486	16.46928	-0.67504	0.544915	-1.2388	0.215418	0.404479	chr8	44860094	44861500	+	0	NA	Intergeni	ALR/Alpha	1568355	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr7-5824	22.18131	-0.58574	0.473383	-1.23735	0.215956	0.404479	chr7	58240649	58241659	+	0	NA	Intergeni	ALR/Alpha	790977	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-400	31.10337	-0.49958	0.403764	-1.23731	0.215972	0.404479	chr10	40086856	40087370	+	0	NA	Intergeni	ALR/Alpha	1390517	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-407	31.10337	-0.49958	0.403764	-1.23731	0.215972	0.404479	chr10	40728264	40729576	+	0	NA	Intergeni	ALR/Alpha	1639125	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr9-4405	16.95021	-0.66414	0.536772	-1.23728	0.215983	0.404479	chr9	44054849	44055319	+	0	NA	Intergeni	ALR/Alpha	928918	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo

chr20-277	23.09697	-0.57445	0.464496	-1.23673	0.216189	0.404479	chr20	27712619	27714581	+	0	NA	Intergeni	ALR/Alpha	889065	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr19-256	116.4038	-0.29475	0.238364	-1.23655	0.216253	0.404479	chr19	25601050	25601304	+	0	NA	Intergeni	ALR/Alpha	-1437730	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr6-589	16.90402	-0.66533	0.538301	-1.23598	0.216467	0.404479	chr6	58906421	58908599	+	0	NA	Intergeni	ALR/Alpha	-946064	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr1-1244	31.01098	-0.50076	0.405223	-1.23577	0.216545	0.404479	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2927380	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-142	16.37689	-0.67756	0.548669	-1.23492	0.21686	0.404479	chr22	14295354	14295604	+	0	NA	Intergeni	ALR/Alpha	-1232680	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-281	16.40139	-0.67447	0.546246	-1.23474	0.216928	0.404479	chr20	28170803	28172989	+	0	NA	Intergeni	ALR/Alpha	430769	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr19-268	46.85184	-0.42418	0.343551	-1.23468	0.216951	0.404479	chr19	26875132	26875365	+	0	NA	Intergeni	ALR/Alpha	-918183	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-267	26.93705	-0.53613	0.434242	-1.23462	0.21697	0.404479	chr20	26724437	26725594	+	0	NA	Intergeni	ALR/Alpha	-515782	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr20-276	15.94495	-0.6829	0.553192	-1.23447	0.217026	0.404479	chr20	27600678	27602183	+	0	NA	Intergeni	ALR/Alpha	1001235	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr7-591	26.11276	-0.55032	0.4458	-1.23446	0.21703	0.404479	chr7	59130196	59130407	+	0	NA	Intergeni	ALR/Alpha	1680124	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr19-257	22.59434	-0.57904	0.469153	-1.23424	0.217115	0.404479	chr19	25735783	25737545	+	0	NA	Intergeni	ALR/Alpha	-1573217	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr20-279	18.52599	-0.64029	0.519047	-1.23359	0.217356	0.404518	chr20	27983835	27984144	+	0	NA	Intergeni	ALR/Alpha	618676	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-401	16.9964	-0.66294	0.537425	-1.23355	0.217372	0.404518	chr10	40141928	40142351	+	0	NA	Intergeni	ALR/Alpha	1445543	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-265	23.23555	-0.57198	0.463902	-1.23298	0.217584	0.404693	chr20	26585738	26586006	+	0	NA	Intergeni	ALR/Alpha	-376639	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr19-255	34.79154	-0.47192	0.382913	-1.23244	0.217786	0.404848	chr19	25512451	25514293	+	0	NA	Intergeni	ALR/Alpha	-1349925	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr21-107	21.65697	-0.58938	0.478589	-1.23149	0.21814	0.404859	chr21	10760977	10763429	+	0	NA	Intergeni	ALR/Alpha	240689	NM_199260	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-104	15.99114	-0.68163	0.553574	-1.23132	0.218205	0.404859	chr21	10463461	10466048	+	0	NA	intron (N	intron (N	51222	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr5-4818	15.99114	-0.68163	0.553574	-1.23132	0.218205	0.404859	chr5	48185528	48186711	+	0	NA	Intergeni	ALR/Alpha	2255169	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr12-366	15.87426	-0.68744	0.55849	-1.23088	0.218366	0.404859	chr12	36626864	36627206	+	0	NA	Intergeni	ALR/Alpha	-1689739	NM_001308	144245	Hs.259305	NM_001013	ENSG0000	ALG10B	ALG10|KC	ALG10 alp	protein-coding
chr18-154	15.92325	-0.68104	0.55331	-1.23084	0.218383	0.404859	chr18	15488524	15493689	+	0	NA	Intergeni	ALR/Alpha	-165187	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr22-150	16.9747	-0.66117	0.537494	-1.2301	0.218659	0.404946	chr22	15034168	15034716	+	0	NA	Intergeni	ALR/Alpha	-493717	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-288	15.96944	-0.67976	0.552611	-1.23008	0.218666	0.404946	chr20	28868610	28873492	+	0	NA	Intergeni	ALR/Alpha	-209339	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr9-4462	21.63527	-0.58796	0.478158	-1.22963	0.218836	0.404958	chr9	44621005	44621252	+	0	NA	Intergeni	ALR/Alpha	1494962	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4850	34.23714	-0.47882	0.389464	-1.22943	0.218909	0.404958	chr5	48504932	48506174	+	0	NA	Intergeni	ALR/Alpha	1935735	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-276	15.42061	-0.69129	0.562584	-1.22878	0.219154	0.405069	chr20	27604681	27607727	+	0	NA	Intergeni	ALR/Alpha	996461	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-408	15.39612	-0.6946	0.565341	-1.22864	0.219205	0.405069	chr10	40870173	40871118	+	0	NA	Intergeni	ALR/Alpha	1497400	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-280	22.54815	-0.57991	0.472301	-1.22783	0.219511	0.405414	chr20	28034414	28035463	+	0	NA	Intergeni	ALR/Alpha	567727	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr11-534	22.64332	-0.57464	0.468337	-1.22699	0.219826	0.405725	chr11	53435098	53435303	+	0	NA	Intergeni	ALR/Alpha	1168798	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr18-158	16.00726	-0.69397	0.565696	-1.22675	0.219916	0.405725	chr18	15888389	15888792	+	0	NA	Intergeni	ALR/Alpha	-562671	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr20-280	21.61357	-0.58655	0.47844	-1.22595	0.220216	0.405869	chr20	28006703	28006966	+	0	NA	Intergeni	ALR/Alpha	595831	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-279	15.4451	-0.68804	0.561242	-1.22591	0.220231	0.405869	chr20	27965609	27968361	+	0	NA	Intergeni	ALR/Alpha	635680	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr6-5927	21.15434	-0.59466	0.485228	-1.22553	0.220375	0.405917	chr6	59270485	59271059	+	0	NA	Intergeni	ALR/Alpha	-1309326	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr10-406	26.30143	-0.53527	0.436925	-1.22508	0.220545	0.406012	chr10	40643315	40645650	+	0	NA	Intergeni	ALR/Alpha	1723563	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-276	22.18689	-0.57848	0.472408	-1.22454	0.220748	0.406116	chr20	27644318	27645464	+	0	NA	Intergeni	ALR/Alpha	957774	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr4-923	15.39891	-0.68937	0.563299	-1.22381	0.221023	0.406116	chr4	9233648	9237494	+	0	NA	exon (NM_	exon (NM_	1186	NM_001256	1E+08	Hs.528621	NM_001256	ENSG0000	USP17L15	-	ubiquitin	protein-coding
chr6-585	92.31051	-0.32724	0.267405	-1.22377	0.221039	0.406116	chr6	58560738	58560981	+	0	NA	Intergeni	ALR/Alpha	-599413	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr19-270	15.37442	-0.69267	0.566062	-1.22367	0.221076	0.406116	chr19	27000422	27000627	+	0	NA	Intergeni	ALR/Alpha	-792907	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-275	21.15713	-0.59082	0.483067	-1.22307	0.221303	0.40627	chr20	27583937	27585887	+	0	NA	Intergeni	ALR/Alpha	1017753	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr7-587	21.74936	-0.58763	0.480639	-1.22259	0.221483	0.40627	chr7	58730505	58730839	+	0	NA	Intergeni	ALR/Alpha	1280495	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr21-801	26.89923	-0.52775	0.431722	-1.22243	0.221545	0.40627	chr21	8019335	8020688	+	0	NA	Intergeni	ALR/Alpha	-177609	NR_038958	1.01E+08	Hs.426704	NR_038958		LOC100507	-	uncharact	ncRNA
chr19-268	53.78122	-0.39084	0.319782	-1.22219	0.221634	0.40627	chr19	26842726	26843736	+	0	NA	Intergeni	ALR/Alpha	-950200	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-269	21.11094	-0.59175	0.484361	-1.2217	0.22182	0.406393	chr20	26914824	26918005	+	0	NA	Intergeni	ALR/Alpha	-707181	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr13-175	15.92603	-0.67602	0.553933	-1.2204	0.222314	0.406862	chr13	17592511	17593034	+	0	NA	Intergeni	ALR/Alpha	-602525	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr20-268	15.92603	-0.67602	0.553933	-1.2204	0.222314	0.406862	chr20	26804671	26807420	+	0	NA	Intergeni	ALR/Alpha	-596812	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr19-252	21.18162	-0.58848	0.482546	-1.21952	0.222645	0.406875	chr19	25274916	25276192	+	0	NA	Intergeni	ALR/Alpha	-1112107	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr1-1229	59.23942	-0.37243	0.30541	-1.21943	0.222682	0.406875	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1414770	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr12-372	22.52645	-0.57854	0.47461	-1.21897	0.222855	0.406875	chr12	37266624	37266892	+	0	NA	Intergeni	ALR/Alpha	-1050016	NM_001308	144245	Hs.259305	NM_001013	ENSG0000	ALG10B	ALG10|KC	ALG10 alp	protein-coding
chr10-403	33.6911	-0.47859	0.392636	-1.2189	0.222881	0.406875	chr10	40391847	40393491	+	0	NA	Intergeni	ALR/Alpha	1696073	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-264	16.42867	-0.66653	0.546864	-1.21881	0.222914	0.406875	chr19	26483377	26483903	+	0	NA	Intergeni	ALR/Alpha	-1309791	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-265	21.61636	-0.58283	0.478557	-1.21789	0.223265	0.407132	chr20	26582324	26584207	+	0	NA	Intergeni	ALR/Alpha	-374032	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr14-175	15.85535	-0.68047	0.558759	-1.21782	0.223293	0.407132	chr14	17514799	17516218	+	0	NA	Intergeni	ALR/Alpha	-1085609	NM_001013	440153	Hs.534880	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-404	16.9313	-0.65757	0.54065	-1.21626	0.223885	0.407943	chr10	40421938	40422137	+	0	NA	Intergeni	ALR/Alpha	1725441	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-412	31.22303	-0.49418	0.406393	-1.21602	0.223976	0.407943	chr10	41267334	41267571	+	0	NA	Intergeni	ALR/Alpha	1100593	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr5-484	28.07709	-0.53724	0.442102	-1.2152	0.22429	0.408161	chr5	48438423	48438643	+	0	NA	Intergeni	ALR/Alpha	2002755	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-290	15.44789	-0.68286	0.561988	-1.21508	0.224334	0.408161	chr20	29058977	29059495	+	0	NA	Intergeni	Intergeni	-21154	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr13-166	15.4017	-0.68418	0.563813	-1.21348	0.224945	0.409056	chr13	16622801	16623051	+	0	NA	Intergeni	ALR/Alpha	-1572371	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr2-937	14.99146	-0.69215	0.57086	-1.21246	0.225335	0.409547	chr2	93771167	93771448	+	0	NA	Intergeni	ALR/Alpha	437112	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr10-408	27.71972	-0.52453	0.433032	-1.21131	0.225778	0.410135	chr10	40841595	40841831	+	0	NA	Intergeni	ALR/Alpha	1526332	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr14-175	17.38774	-0.65022	0.537404	-1.20993	0.226304	0.410746	chr14	17561834	17562142	+	0	NA	Intergeni	ALR/Alpha	-1039129	NM_001013	440153	Hs.534880	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr20-277	24.86422	-0.54265	0.448547	-1.2098	0.226354	0.410746	chr20	27789665	27791970	+	0	NA	Intergeni	ALR/Alpha	811848	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr5-477	21.97484	-0.58807	0.486343	-1.20917	0.226598	0.410972	chr5	47702000	47702204	+	0	NA	Intergeni	ALR/Alpha	-2005722	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr18-171	20.10847	-0.59892	0.495803	-1.20798	0.227053	0.411579	chr18	17114738	17115817	+	0	NA	Intergeni	ALR/Alpha	-1789358	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr18-155	15.42619	-0.68091	0.563847	-1.20761	0.227196	0.411621	chr18	15586182	15586450	+	0	NA	Intergeni	ALR/Alpha	-260397	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr21-114	15.58089	-0.68926	0.571308	-1.20646	0.22764	0.412206	chr21	11487254	11487539	+	0	NA	Intergeni	ALR/Alpha	965882	NM_199260	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1242	24.81245	-0.55019	0.456289	-1.2058	0.227895	0.41245	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2758207	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-277	19.60584	-0.60485	0.502935	-1.20265	0.229113	0.413573	chr20	27793233	27794913	+	0	NA	Intergeni	ALR/Alpha	808592	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr19-262	19.63033	-0.60228	0.500854	-1.20251	0.229165	0.413573	chr19	26261047	26262342	+	0	NA	Intergeni	ALR/Alpha	-1531737	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-802	19.69822	-0.60286	0.501406	-1.20234	0.229233	0.413573	chr21	8021542	8022759	+	0	NA	Intergeni	ALR/Alpha	-175470	NR_038958	1.01E+08	Hs.426704	NR_038958		LOC100507	-	uncharact	ncRNA
chr5-489	33.22133	-0.47132	0.392124	-1.20197	0.229376	0.413573	chr5	48932321	48932529	+	0	NA	Intergeni	ALR/Alpha	1508863	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-275	15.01595	-0.68874	0.573031	-1.20193	0.229391	0.413573	chr20	27589229	27590116	+	0	NA	Intergeni	ALR/Alpha	1012993	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr21-886	15.54028	-0.68012	0.565911	-1.20182	0.229434	0.413573	chr21	8869288	8870385	+	0	NA	Intergeni	Intergeni	-117163	NR_037421	1.01E+08		NR_037421	ENSG0000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr5-493	20.11126	-0.59493	0.495042	-1.20178	0.22945	0.413573	chr5	49332338	49332873	+	0	NA	Intergeni	ALR/Alpha	1108683	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr22-134	25.37243	-0.53284	0.443404	-1.2017	0.229481	0.413573	chr22	13491870	13492130	+	0	NA	Intergeni	ALR/Alpha	1594594	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-138	21.57296	-0.57995	0.482762	-1.20131	0.229631	0.413626	chr22	13842220	13842539	+	0	NA	Intergeni	ALR/Alpha	-1685780	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-1241	56.29432	-0.37176	0.309643	-1.2006	0.229908	0.413757	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2648552	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-122	20.20364	-0.59302	0.493988	-1.20048	0.229951	0.413757	chr22	12200090	12200451	+	0	NA	Intergeni	HERVK9-ir	302864	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-250	28.54402	-0.51201	0.426609	-1.20019	0.230066	0.413757	chr19	25021076	25021633	+	0	NA	Intergeni	ALR/Alpha	-857907	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr14-165	39.65751	-0.43328	0.361381	-1.19896	0.230542	0.414396	chr14	16514134	16514355	+	0	NA	Intergeni	ALR/Alpha	-2086873	NM_001013	440153	Hs.534880	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr18-158	32.28396	-0.47499	0.396461	-1.19807	0.23089	0.414803	chr18	15850855	15851123	+	0	NA	Intergeni	ALR/Alpha	-525070	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr10-399	35.87585	-0.46001	0.384535	-1.19628	0.231586	0.415835	chr10	39965069	39965286	+	0	NA	Intergeni	ALR/Alpha	1268581	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1226	28.53069	-0.50216	0.419919	-1.19586	0.231751	0.415881	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1109965	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-477	19.67931	-0.59723	0.499523	-1.1956	0.231854	0.415881	chr5	47700238	47701141	+	0	NA	Intergeni	ALR/Alpha	-2004309	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-500	19.19838	-0.60482	0.506623	-1.19383	0.232545	0.416901	chr4	50066875	50068588	+	0	NA	Intergeni	ALR/Alpha	1081089	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-280	24.8019	-0.53565	0.449509	-1.19163	0.233407	0.418062	chr20	28092460	28092893	+	0	NA	Intergeni	ALR/Alpha	509989	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr17-246	82.66586	-0.31623	0.265397	-1.19155	0.233437	0.418062	chr17	24624600	24624845	+	0	NA	Intergeni	ALR/Alpha	2101611	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr3-915	31.75126	-0.48359	0.406157	-1.19064	0.233793	0.418483	chr3	91548615	91550937	+	0	NA	Intergeni	ALR/Alpha	2424305	NM_001314	5627	Hs.64016	NM_000313	ENSG0000	PROS1	PROS|PS21	protein S	protein-coding
chr1-1242	19.61142	-0.59665	0.50132	-1.19017	0.233981	0.4186	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2764503	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-114	18.67405	-0.60957	0.512756	-1.1888	0.234517	0.41934	chr22	11456423	11458935	+	0	NA	Intergeni	CER|Satel	-439727	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr3-909	23.35911	-0.55047	0.463202	-1.18841	0.234671	0.419397	chr3	90921308	90921540	+	0	NA	Intergeni	ALR/Alpha	1813803	NM_005233	2042	Hs.123642	NM_005233	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr18-79	18.65235	-0.60794	0.512325	-1.18663	0.235373	0.420432	chr18	79618662	79620670	+	0	NA	Intergeni	Intergeni	40384	NR_148949	284240	Hs.448912	NR_148949		LOC28424	-	uncharact	ncRNA
chr5-476	20.64117	-0.58304	0.491972	-1.18511	0.235972	0.421282	chr5	47626426	47627515	+	0	NA	Intergeni	ALR/Alpha	-1930590	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-253	23.40809	-0.5462	0.461099	-1.18455	0.236194	0.421322	chr19	25348424	25350508	+	0	NA	Intergeni	ALR/Alpha	-1186019	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr17-247	39.54343	-0.43335	0.365872	-1.18444	0.236241	0.421322	chr17	24751906	24752181	+	0	NA	Intergeni	ALR/Alpha	2228932	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1246	23.29122	-0.54997	0.464474	-1.18406	0.236388	0.421366	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3084215	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr9-438	29.3456	-0.50583	0.427378	-1.18356	0.236586	0.421499	chr9	43854934	43855254	+	0	NA	Intergeni	ALR/Alpha	728928	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-408	18.63065	-0.60632	0.512775	-1.18243	0.237035	0.422022	chr10	40805685	40807069	+	0	NA	Intergeni	ALR/Alpha	1561668	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr21-125	19.58971	-0.59509	0.503372	-1.1822	0.237126	0.422022	chr21	12516807	12517022	+	0	NA	Intergeni	ALR/Alpha	-521252	NR_026916	149992	Hs.558645	NM_153773		ANKRD30B	C21orf99|	ankyrin r	pseudo
chr5-475	45.11851	-0.40209	0.340748	-1.18002	0.237991	0.422938	chr5	47583275	47584375	+	0	NA	Intergeni	ALR/Alpha	-1887445	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-166	27.93567	-0.50592	0.42883	-1.17977	0.23809	0.422938	chr13	16624868	16625309	+	0	NA	Intergeni	ALR/Alpha	-1570209	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr11-542	60.29082	-0.35533	0.301238	-1.17955	0.238178	0.422938	chr11	54270122	54270350	+	0	NA	Intergeni	ALR/Alpha	333762	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr20-269	18.12801	-0.61292	0.519706	-1.17935	0.238258	0.422938	chr20	26900907	26902970	+	0	NA	Intergeni	ALR/Alpha	-692705	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr3-908	18.12801	-0.61292	0.519706	-1.17935	0.238258	0.422938	chr3	90876025	90876345	+	0	NA	Intergeni	ALR/Alpha	1768564	NM_005233	2042	Hs.123642	NM_005233	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr12-358	18.58445	-0.60737	0.515404	-1.17843	0.238627	0.423374	chr12	35890584	35890801	+	0	NA	Intergeni	ALR/Alpha	1868196	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr12-369	17.64708	-0.62162	0.527912	-1.17751	0.238993	0.423523	chr12	36920717	36921431	+	0	NA	Intergeni	ALR/Alpha	-1395700	NM_001308	144245	Hs.259305	NM_001013	ENSG0000	ALG10B	ALG10|KC	ALG10 alp	protein-coding
chr18-173	19.11157	-0.59847	0.508307	-1.17737	0.239048	0.423523	chr18	17376984	17377208	+	0	NA	Intergeni	ALR/Alpha	-2051177	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr7-5931	17.62259	-0.62451	0.530508	-1.17719	0.23912	0.423523	chr7	59312553	59313034	+	0	NA	Intergeni	ALR/Alpha	1862616	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr10-407	50.89067	-0.3858	0.327797	-1.17694	0.239218	0.423523	chr10	40760225	40760518	+	0	NA	Intergeni	ALR/Alpha	1607674	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr1-1248	18.15251	-0.61018	0.518864	-1.176	0.239595	0.423523	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3337948	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr6-586	18.15251	-0.61018	0.518864	-1.176	0.239595	0.423523	chr6	58632403	58633802	+	0	NA	Intergeni	ALR/Alpha	-671656	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr14-165	24.54635	-0.54331	0.462096	-1.17575	0.239696	0.423523	chr14	16599418	16599617	+	0	NA	Intergeni	ALR/Alpha	-2001600	NM_001013	440153	Hs.534880	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr8-857	17.67158	-0.61878	0.526448	-1.17539	0.239837	0.423523	chr8	85742152	85743257	+	0	NA	Intergeni	L1P1|LINE	2828	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr22-113	18.70133	-0.60262	0.512772	-1.17522	0.239905	0.423523	chr22	11329952	11330804	+	0	NA	Intergeni	L1MA2|LIN	-368849	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr1-1247	151.656	-0.24685	0.210095	-1.17492	0.240027	0.423523	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3206061	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr17-241	37.6659	-0.44	0.37458	-1.17466	0.240133	0.423523	chr17	24150530	24151674	+	0	NA	Intergeni	ALR/Alpha	1627991	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-244	54.14801	-0.3714	0.316223	-1.1745	0.240194	0.423523	chr17	24492014	24492282	+	0	NA	Intergeni	ALR/Alpha	1969037	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-410	22.84036	-0.54604	0.465422	-1.17323	0.240705	0.423581	chr10	41087521	41089790	+	0	NA	Intergeni	ALR/Alpha	1279390	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr5-495	22.84036	-0.54604	0.465422	-1.17323	0.240705	0.423581	chr5	49555878	49558768	+	0	NA	Intergeni	ALR/Alpha	883965	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-269	17.64987	-0.61707	0.526019	-1.1731	0.240756	0.423581	chr20	26957539	26959827	+	0	NA	Intergeni	ALR/Alpha	-749450	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr6-597	17.64987	-0.61707	0.526019	-1.1731	0.240756	0.423581	chr6	59727767	59728638	+	0	NA	Intergeni	ALR/Alpha	-1766756	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr17-261	37.67427	-0.43333	0.36971	-1.17208	0.241165	0.423581	chr17	26144885	26145121	+	0	NA	Intergeni	ALR/Alpha	944238	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr15-195	17.5764	-0.62572	0.533854	-1.17208	0.241165	0.423581	chr15	19527203	19527837	+	0	NA	Intergeni	ALR/Alpha	-755224	NR_038836	646096	Hs.448789	NR_038836	ENSG0000	CHEK2P2	-	checkpoin	pseudo
chr1-1226	30.7243	-0.48647	0.415092	-1.17196	0.241212	0.423581	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1096817	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr14-180	15.49967	-0.67072	0.572375	-1.17182	0.241268	0.423581	chr14	18098157	18098356	+	0	NA	Intergeni	ALR/Alpha	-502861	NM_001013	440153	Hs.534880	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding

chr16-361	17.69607	-0.61597	0.526084	-1.17086	0.241653	0.423581	chr16	36105132	36105337	+	0	NA	Intergeni	Intergeni	358682	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr5-4667	17.69607	-0.61597	0.526084	-1.17086	0.241653	0.423581	chr5	46676578	46676803	+	0	NA	Intergeni	ALR/Alpha	-980310	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr11-529	20.57328	-0.58236	0.497449	-1.1707	0.241721	0.423581	chr11	52961869	52962135	+	0	NA	Intergeni	ALR/Alpha	1641996	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-269	18.1308	-0.60852	0.519808	-1.17065	0.241738	0.423581	chr20	26940938	26945580	+	0	NA	Intergeni	ALR/Alpha	-734026	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr8-4560	17.16894	-0.62615	0.534977	-1.17041	0.241834	0.423581	chr8	45602164	45603504	+	0	NA	Intergeni	ALR/Alpha	1014809	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagi	pseudo
chr11-539	22.38392	-0.5492	0.469893	-1.16878	0.242493	0.424254	chr11	53976930	53977793	+	0	NA	Intergeni	ALR/Alpha	626637	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-256	37.21504	-0.43599	0.37316	-1.16836	0.24266	0.424254	chr19	25667752	25667956	+	0	NA	Intergeni	ALR/Alpha	-1504407	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-250	18.25822	-0.62338	0.533625	-1.16821	0.242724	0.424254	chr19	25080374	25080885	+	0	NA	Intergeni	ALR/Alpha	-917182	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1227	17.09826	-0.63032	0.539565	-1.16819	0.24273	0.424254	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1184549	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1237	56.99677	-0.35983	0.308098	-1.16792	0.242838	0.424254	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2234553	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5877	22.91104	-0.54308	0.465158	-1.16751	0.243004	0.424319	chr6	58778402	58779243	+	0	NA	Intergeni	ALR/Alpha	-817376	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1244	56.62055	-0.36824	0.315631	-1.16669	0.243335	0.424319	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2920747	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-265	40.40058	-0.41898	0.359162	-1.16654	0.243396	0.424319	chr20	26501641	26501995	+	0	NA	Intergeni	ALR/Alpha	-292585	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr20-288	17.10105	-0.62554	0.536271	-1.16647	0.243425	0.424319	chr20	28815773	28817739	+	0	NA	Intergeni	ALR/Alpha	-214091	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5970	17.17173	-0.62147	0.533067	-1.16585	0.243677	0.424319	chr7	59709181	59709694	+	0	NA	Intergeni	ALR/Alpha	2259260	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-270	19.22845	-0.5938	0.509385	-1.16572	0.243728	0.424319	chr20	27089917	27090170	+	0	NA	Intergeni	ALR/Alpha	-880810	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr5-4906	17.12554	-0.62262	0.53412	-1.16568	0.243742	0.424319	chr5	49067010	49068171	+	0	NA	Intergeni	ALR/Alpha	1373698	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-166	22.29154	-0.55088	0.472744	-1.16529	0.243901	0.42438	chr13	16613600	16613827	+	0	NA	Intergeni	ALR/Alpha	-1581584	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-280	40.3299	-0.42068	0.361309	-1.16431	0.244299	0.424743	chr20	28039949	28040456	+	0	NA	Intergeni	ALR/Alpha	562463	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-264	17.65266	-0.61256	0.526178	-1.16416	0.244357	0.424743	chr19	26405198	26405721	+	0	NA	Intergeni	ALR/Alpha	-1387972	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-5972	18.1091	-0.60683	0.521685	-1.16321	0.244743	0.424885	chr6	59724662	59725136	+	0	NA	Intergeni	ALR/Alpha	-1763453	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-146	16.6908	-0.63095	0.542861	-1.16227	0.245125	0.424885	chr22	14655244	14655696	+	0	NA	Intergeni	ALR/Alpha	-872689	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr13-174	17.60647	-0.61365	0.528027	-1.16216	0.245171	0.424885	chr13	17439565	17439875	+	0	NA	Intergeni	ALR/Alpha	-755577	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-403	30.80893	-0.47072	0.405128	-1.16191	0.245271	0.424885	chr10	40340969	40341208	+	0	NA	Intergeni	ALR/Alpha	1644492	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr12-356	16.62291	-0.63031	0.542642	-1.16156	0.245413	0.424885	chr12	35652056	35653111	+	0	NA	Intergeni	ALR/Alpha	1630087	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr20-281	16.62291	-0.63031	0.542642	-1.16156	0.245413	0.424885	chr20	28184197	28185717	+	0	NA	Intergeni	ALR/Alpha	417708	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-256	86.23989	-0.30151	0.259617	-1.16138	0.245489	0.424885	chr19	25636208	25636454	+	0	NA	Intergeni	ALR/Alpha	-1472884	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-253	22.72348	-0.54994	0.473537	-1.16134	0.245503	0.424885	chr19	25334681	25335565	+	0	NA	Intergeni	ALR/Alpha	-1171676	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-174	36.46143	-0.44192	0.380571	-1.16119	0.245564	0.424885	chr14	17457256	17457526	+	0	NA	Intergeni	ALR/Alpha	-1143726	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr6-5968	21.89741	-0.56242	0.484466	-1.16091	0.245679	0.424885	chr6	59688189	59689331	+	0	NA	Intergeni	ALR/Alpha	-1727314	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5891	17.19622	-0.61859	0.533224	-1.16009	0.246013	0.425247	chr6	58913200	58914344	+	0	NA	Intergeni	ALR/Alpha	-952326	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr10-408	17.12833	-0.61796	0.534196	-1.15681	0.24735	0.427344	chr10	40844022	40845165	+	0	NA	Intergeni	ALR/Alpha	1523452	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-415	16.18817	-0.63918	0.552819	-1.15622	0.247592	0.427545	chr10	41524256	41528392	+	0	NA	Intergeni	ALR/Alpha	841721	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-111	21.40315	-0.55538	0.480922	-1.15483	0.248159	0.428309	chr21	11112276	11112559	+	0	NA	Intergeni	ALR/Alpha	590903	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr7-5994	25.61286	-0.51022	0.442008	-1.15432	0.248371	0.428458	chr7	59942795	59943786	+	0	NA	Intergeni	ALR/Alpha	2493113	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-276	16.09858	-0.63665	0.552348	-1.15262	0.249066	0.429442	chr20	27690213	27693420	+	0	NA	Intergeni	ALR/Alpha	910849	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr6-5920	16.12307	-0.63353	0.549908	-1.15207	0.249293	0.429616	chr6	59201001	59201966	+	0	NA	Intergeni	ALR/Alpha	-1240037	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1239	72.90166	-0.33102	0.287504	-1.15134	0.249591	0.429914	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2434384	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-208	16.23437	-0.63799	0.554827	-1.14989	0.250188	0.430577	chr18	20814414	20814642	+	0	NA	Intergeni	ALR/Alpha	297285	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr14-166	15.68833	-0.64274	0.559361	-1.14906	0.25053	0.430577	chr14	16628433	16628826	+	0	NA	Intergeni	ALR/Alpha	-1972488	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4844	55.41709	-0.36416	0.316938	-1.149	0.250556	0.430577	chr5	48441523	48441936	+	0	NA	Intergeni	ALR/Alpha	1999559	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-119	16.14756	-0.63046	0.548753	-1.14889	0.250601	0.430577	chr21	11992270	11993610	+	0	NA	Intergeni	ALR/Alpha	-1045226	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4741	15.68554	-0.64799	0.564015	-1.14888	0.250604	0.430577	chr5	47417770	47418651	+	0	NA	Intergeni	ALR/Alpha	-1721830	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr1-1227	32.86675	-0.45715	0.398171	-1.14812	0.250918	0.430899	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1247893	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4374	21.76999	-0.54998	0.479349	-1.14735	0.251237	0.430959	chr9	43747787	43748213	+	0	NA	Intergeni	ALR/Alpha	621834	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5932	25.01785	-0.51454	0.448577	-1.14705	0.25136	0.430959	chr7	59320908	59321537	+	0	NA	Intergeni	ALR/Alpha	1871045	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-113	15.71003	-0.64472	0.56207	-1.14705	0.251362	0.430959	chr21	11370729	11371095	+	0	NA	Intergeni	ALR/Alpha	849398	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr10-406	21.38424	-0.5502	0.479975	-1.14631	0.251666	0.430959	chr10	40658022	40659408	+	0	NA	Intergeni	ALR/Alpha	1709330	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-412	21.38424	-0.5502	0.479975	-1.14631	0.251666	0.430959	chr10	41231540	41232284	+	0	NA	Intergeni	ALR/Alpha	1136133	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4824	28.74942	-0.48135	0.419993	-1.14608	0.251761	0.430959	chr5	48244462	48244665	+	0	NA	Intergeni	ALR/Alpha	2196725	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-405	25.06683	-0.51056	0.445586	-1.14581	0.251873	0.430959	chr10	40514440	40515301	+	0	NA	Intergeni	ALR/Alpha	1818274	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-258	28.77391	-0.47961	0.418651	-1.1456	0.251959	0.430959	chr19	25827987	25829272	+	0	NA	Intergeni	ALR/Alpha	-1665182	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-267	15.69112	-0.63763	0.557216	-1.14431	0.252494	0.431075	chr20	26770142	26771064	+	0	NA	Intergeni	ALR/Alpha	-561370	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr19-264	28.75221	-0.47851	0.418476	-1.14345	0.252851	0.431075	chr19	26458268	26460341	+	0	NA	Intergeni	ALR/Alpha	-1334127	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-282	16.12586	-0.6286	0.549952	-1.143	0.253037	0.431075	chr20	28236565	28238013	+	0	NA	Intergeni	ALR/Alpha	365376	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-265	20.3517	-0.56557	0.494844	-1.14293	0.253068	0.431075	chr20	26565682	26566522	+	0	NA	Intergeni	ALR/Alpha	-356869	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr3-9087	23.32687	-0.53385	0.467116	-1.14287	0.253094	0.431075	chr3	90874667	90874959	+	0	NA	Intergeni	ALR/Alpha	1767192	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|	EPH recep	protein-coding
chr1-1247	17.56307	-0.61014	0.533992	-1.1426	0.253204	0.431075	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3254099	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5916	15.1423	-0.64789	0.567129	-1.1424	0.25329	0.431075	chr6	59165637	59166534	+	0	NA	Intergeni	ALR/Alpha	-1204639	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-169	15.11502	-0.65671	0.575229	-1.14166	0.253596	0.431075	chr13	16994529	16995055	+	0	NA	Intergeni	ALR/Alpha	-1200505	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr18-155	15.62323	-0.63698	0.558091	-1.14135	0.253726	0.431075	chr18	15558830	15560537	+	0	NA	Intergeni	ALR/Alpha	-233764	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr11-521	32.3914	-0.45442	0.398383	-1.14066	0.25401	0.431075	chr11	52167271	52167516	+	0	NA	Intergeni	ALR/Alpha	1758246	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1229	24.5642	-0.51346	0.450487	-1.1398	0.25437	0.431075	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1425007	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1238	15.16679	-0.6446	0.565773	-1.13932	0.254568	0.431075	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2299618	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9080	15.16679	-0.6446	0.565773	-1.13932	0.254568	0.431075	chr3	90801831	90802391	+	0	NA	Intergeni	ALR/Alpha	1694490	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|	EPH recep	protein-coding
chr6-5919	15.16679	-0.6446	0.565773	-1.13932	0.254568	0.431075	chr6	59199151	59200194	+	0	NA	Intergeni	ALR/Alpha	-1238226	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr3-9088	24.60481	-0.51946	0.456121	-1.13886	0.25476	0.431075	chr3	90881536	90882088	+	0	NA	Intergeni	ALR/Alpha	1774191	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|	EPH recep	protein-coding
chr7-5823	20.78922	-0.55636	0.488562	-1.13878	0.254795	0.431075	chr7	58237971	58238218	+	0	NA	Intergeni	ALR/Alpha	787917	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-122	15.1206	-0.64591	0.567301	-1.13857	0.254883	0.431075	chr21	12219212	12220378	+	0	NA	Intergeni	ALR/Alpha	-818371	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr7-6250	15.1206	-0.64591	0.567301	-1.13857	0.254883	0.431075	chr7	62507575	62510093	+	0	NA	Intergeni	ALR/Alpha	795222	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chrX-6130	30.76831	-0.46592	0.40927	-1.13843	0.254942	0.431075	chrX	61304169	61304497	+	0	NA	Intergeni	ALR/Alpha	2046999	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-252	42.44507	-0.40473	0.355766	-1.13762	0.25528	0.431075	chr19	25285185	25285674	+	0	NA	Intergeni	ALR/Alpha	-1121982	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1236	24.5425	-0.51219	0.450363	-1.13729	0.255417	0.431075	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2155010	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4869	15.64772	-0.63381	0.557501	-1.13687	0.255592	0.431075	chr5	48697252	48698609	+	0	NA	Intergeni	ALR/Alpha	1743358	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-266	34.93463	-0.44188	0.388864	-1.13635	0.255812	0.431075	chr20	26610253	26610471	+	0	NA	Intergeni	ALR/Alpha	-401129	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr7-6001	111.9196	-0.27816	0.244824	-1.13618	0.255882	0.431075	chr7	60019378	60019744	+	0	NA	Intergeni	ALR/Alpha	2569384	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-267	92.42783	-0.28676	0.25241	-1.13607	0.255926	0.431075	chr19	26702878	26703204	+	0	NA	Intergeni	ALR/Alpha	-1090390	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-263	32.07354	-0.45359	0.399402	-1.13567	0.256093	0.431075	chr19	26324838	26325054	+	0	NA	Intergeni	ALR/Alpha	-1468485	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-4360	16.28335	-0.63175	0.556302	-1.13563	0.256112	0.431075	chr9	43608046	43608366	+	0	NA	Intergeni	ALR/Alpha	482040	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5862	20.35727	-0.55765	0.491082	-1.13555	0.256147	0.431075	chr7	58626494	58626900	+	0	NA	Intergeni	ALR/Alpha	1176520	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr13-171	15.14509	-0.64263	0.565944	-1.1355	0.256165	0.431075	chr13	17150716	17152560	+	0	NA	Intergeni	ALR/Alpha	-1043659	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-884	15.14509	-0.64263	0.565944	-1.1355	0.256165	0.431075	chr21	8840055	8840609	+	0	NA	Intergeni	L1PREC2|L	-146667	NR_037421	1.01E+08		NR_037421	ENSG00000	MIR3648-1	MIR3648|	microRNA	ncRNA
chr4-5030	15.14509	-0.64263	0.565944	-1.1355	0.256165	0.431075	chr4	50305582	50306286	+	0	NA	Intergeni	ALR/Alpha	1319292	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr4-5094	15.14509	-0.64263	0.565944	-1.1355	0.256165	0.431075	chr4	50944878	50945152	+	0	NA	Intergeni	ALR/Alpha	-897985	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr3-9338	52.19483	-0.36493	0.321389	-1.13547	0.256179	0.431075	chr3	93381714	93382009	+	0	NA	Intergeni	ALR/Alpha	592220	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr2-9369	20.28659	-0.56101	0.494731	-1.13398	0.256803	0.431619	chr2	93697131	93697688	+	0	NA	Intergeni	ALR/Alpha	511010	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr8-4533	19.89805	-0.56553	0.498928	-1.13349	0.25701	0.431619	chr8	45337526	45337877	+	0	NA	Intergeni	ALR/Alpha	1279942	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagi	pseudo
chr15-188	15.19128	-0.64133	0.565804	-1.13348	0.257012	0.431619	chr15	18844664	18846839	+	0	NA	Intergeni	ALR/Alpha	-1436993	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoi	pseudo
chr20-280	15.19128	-0.64133	0.565804	-1.13348	0.257012	0.431619	chr20	28098721	28100916	+	0	NA	Intergeni	ALR/Alpha	502847	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-258	24.08327	-0.51783	0.456963	-1.1332	0.257132	0.431619	chr19	25879737	25880228	+	0	NA	Intergeni	ALR/Alpha	-1716535	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-541	32.97029	-0.4461	0.393858	-1.13264	0.257367	0.431777	chr11	54182903	54183295	+	0	NA	Intergeni	ALR/Alpha	420899	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr6-5861	15.0989	-0.64394	0.568666	-1.13237	0.257478	0.431777	chr6	58610862	58612681	+	0	NA	Intergeni	ALR/Alpha	-650325	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-137	34.88843	-0.44234	0.390886	-1.13163	0.257789	0.432087	chr22	13785364	13785621	+	0	NA	Intergeni	ALR/Alpha	-1742667	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-264	28.20618	-0.47824	0.423238	-1.12995	0.258496	0.432887	chr20	26465365	26471016	+	0	NA	Intergeni	ALR/Alpha	-258957	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr12-351	19.90084	-0.56148	0.497058	-1.12961	0.25864	0.432887	chr12	35135033	35135708	+	0	NA	Intergeni	ALR/Alpha	1112874	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-251	30.33637	-0.46534	0.412009	-1.12945	0.258708	0.432887	chr17	25125379	25125636	+	0	NA	Intergeni	ALR/Alpha	1963734	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-284	15.12339	-0.64065	0.567303	-1.1293	0.258772	0.432887	chr20	28444902	28445903	+	0	NA	Intergeni	ALR/Alpha	157263	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1235	34.73196	-0.43482	0.385217	-1.12876	0.258999	0.433022	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2016897	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-281	24.4746	-0.51168	0.453519	-1.12825	0.259214	0.433022	chr20	28135138	28135500	+	0	NA	Intergeni	ALR/Alpha	467346	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr18-187	22.37059	-0.5369	0.475883	-1.12821	0.259232	0.433022	chr18	18735047	18735299	+	0	NA	Intergeni	ALR/Alpha	2376640	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr5-4750	31.44845	-0.46316	0.410939	-1.12708	0.25971	0.433141	chr5	47509242	47509563	+	0	NA	Intergeni	ALR/Alpha	-1813022	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr5-4754	103.7656	-0.27398	0.243124	-1.12689	0.259788	0.433141	chr5	47544017	47544273	+	0	NA	Intergeni	ALR/Alpha	-1847765	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr20-274	19.37371	-0.56905	0.504982	-1.12687	0.259798	0.433141	chr20	27463631	27466145	+	0	NA	Intergeni	ALR/Alpha	1137777	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1232	24.08885	-0.5111	0.453567	-1.12684	0.259809	0.433141	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1711304	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-275	24.04266	-0.51185	0.454381	-1.12647	0.259965	0.433191	chr20	27573149	27574970	+	0	NA	Intergeni	ALR/Alpha	1028606	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1240	27.76754	-0.49171	0.436781	-1.12575	0.26027	0.433489	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2564276	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4820	28.95868	-0.47719	0.424018	-1.12541	0.260415	0.433519	chr5	48205320	48205577	+	0	NA	Intergeni	ALR/Alpha	2235840	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-5061	19.3982	-0.56648	0.50384	-1.12433	0.260872	0.433831	chr4	50616808	50617045	+	0	NA	Intergeni	ALR/Alpha	-1226074	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr19-263	20.31387	-0.55463	0.493382	-1.12413	0.260957	0.433831	chr19	26365465	26365668	+	0	NA	Intergeni	ALR/Alpha	-1427865	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-4544	15.0527	-0.64529	0.574068	-1.12407	0.260982	0.433831	chr8	45442052	45443371	+	0	NA	Intergeni	ALR/Alpha	1174932	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagi	pseudo
chr19-261	58.31705	-0.3453	0.307538	-1.12277	0.261533	0.434307	chr19	26158931	26159248	+	0	NA	Intergeni	ALR/Alpha	-1634342	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-4925	19.33031	-0.56587	0.504115	-1.1225	0.261649	0.434307	chr4	49251123	49252347	+	0	NA	Intergeni	LTR1B|LTR	265093	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr5-4908	19.33031	-0.56587	0.504115	-1.1225	0.261649	0.434307	chr5	49088787	49090244	+	0	NA	Intergeni	ALR/Alpha	1351773	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-9296	15.19407	-0.63606	0.567388	-1.12103	0.262275	0.435136	chr3	92964038	92964390	+	0	NA	Intergeni	ALR/Alpha	1009867	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr5-4931	72.98177	-0.31098	0.277645	-1.12005	0.262694	0.43525	chr5	49319969	49320905	+	0	NA	Intergeni	ALR/Alpha	1120851	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-264	19.3548	-0.56332	0.502976	-1.11998	0.262723	0.43525	chr20	26445150	26452152	+	0	NA	Intergeni	ALR/Alpha	-239418	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AH	-	MIR663A h	ncRNA
chr5-4827	32.39977	-0.44684	0.39913	-1.11953	0.262915	0.43525	chr5	48270788	48271011	+	0	NA	Intergeni	ALR/Alpha	2170389	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-277	18.87108	-0.57443	0.513118	-1.11948	0.262934	0.43525	chr20	27764683	27766027	+	0	NA	Intergeni	ALR/Alpha	837310	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-405	29.62448	-0.47102	0.420789	-1.11938	0.262979	0.43525	chr10	40509151	40509441	+	0	NA	Intergeni	ALR/Alpha	1812700	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1216	23.56452	-0.51281	0.458307	-1.11893	0.263171	0.435357	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	93509	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1234	28.37203	-0.47176	0.422113	-1.11762	0.263731	0.436072	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1919495	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-288	18.85217	-0.5685	0.509657	-1.11546	0.264654	0.437388	chr20	28806679	28809302	+	0	NA	Intergeni	ALR/Alpha	-205325	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr17-265	15.12618	-0.63534	0.569908	-1.11482	0.264928	0.43763	chr17	26566915	26567135	+	0	NA	Intergeni	ALR/Alpha	522216	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA

chr22-133	16.26722	-0.61979	0.556653	-1.11343	0.265523	0.438293	chr22	13326379	13326853	+	0	NA	Intergeni	ALR/Alpha	1429210	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-263	38.4068	-0.40887	0.367266	-1.11329	0.265586	0.438293	chr19	26352889	26353692	+	0	NA	Intergeni	ALR/Alpha	-1440141	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-106	15.675	-0.62541	0.562136	-1.11257	0.265895	0.438592	chr22	10696200	10696539	+	0	NA	Intergeni	L2|LINE|L	265160	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr13-167	17.85254	-0.62767	0.56432	-1.11226	0.266028	0.438601	chr13	16767717	16767927	+	0	NA	Intergeni	ALR/Alpha	-1427475	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4865	19.42548	-0.55982	0.503503	-1.11185	0.266204	0.438679	chr5	48653815	48655259	+	0	NA	Intergeni	ALR/Alpha	1786751	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4981	24.0904	0.521645	0.469524	1.111007	0.266565	0.439064	chr5	49811174	49811405	+	0	NA	Intergeni	ALR/Alpha	629999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1231	34.14531	-0.42963	0.38687	-1.11053	0.266771	0.439077	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1588807	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9121	19.35759	-0.5592	0.50361	-1.11039	0.26683	0.439077	chr3	91213803	91214234	+	0	NA	Intergeni	ALR/Alpha	2106397	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr5-4920	50.89899	-0.36102	0.32532	-1.10974	0.267111	0.439328	chr5	49208430	49208716	+	0	NA	Intergeni	ALR/Alpha	1232715	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-6001	18.39573	-0.57295	0.516723	-1.10881	0.267513	0.439779	chr7	60013344	60013980	+	0	NA	Intergeni	ALR/Alpha	2563485	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-265	18.85496	-0.56428	0.509378	-1.10778	0.267956	0.440085	chr20	26538057	26540701	+	0	NA	Intergeni	ALR/Alpha	-330146	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-278	18.85496	-0.56428	0.509378	-1.10778	0.267956	0.440085	chr20	27865478	27865702	+	0	NA	Intergeni	ALR/Alpha	737075	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1228	30.81562	-0.45836	0.413935	-1.10732	0.268155	0.440201	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1311253	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4946	49.70896	-0.36228	0.327256	-1.10702	0.268286	0.440205	chr5	49464927	49466069	+	0	NA	Intergeni	ALR/Alpha	975790	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-267	16.63407	-0.61075	0.552046	-1.10633	0.268582	0.440315	chr20	26779108	26779529	+	0	NA	Intergeni	ALR/Alpha	-570085	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-250	49.22803	-0.36293	0.32807	-1.10627	0.26861	0.440315	chr17	25082611	25082851	+	0	NA	Intergeni	ALR/Alpha	2006510	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-257	44.48172	-0.38151	0.345187	-1.10522	0.269066	0.440851	chr19	25733804	25734023	+	0	NA	Intergeni	ALR/Alpha	-1570466	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1217	34.24048	-0.42626	0.385962	-1.10441	0.269415	0.441212	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	226991	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-838	57.70592	-0.34218	0.309998	-1.10382	0.269673	0.441272	chr21	8385781	8387075	+	0	NA	intron (N	intron (N	-1934	NR_128716	1.04E+08		NR_128716	ENSG00000	MIR6724-3	hsa-mir-6	microRNA	ncRNA
chr1-1232	19.38208	-0.55665	0.504334	-1.10373	0.269709	0.441272	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1706296	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6080	26.77455	-0.4759	0.431821	-1.10208	0.270428	0.442076	chr7	60803527	60803803	+	0	NA	Intergeni	ALR/Alpha	2500391	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr5-4903	19.26521	-0.56111	0.509256	-1.10182	0.270538	0.442076	chr5	49032207	49032931	+	0	NA	Intergeni	ALR/Alpha	1408719	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-534	18.83326	-0.56265	0.51071	-1.10171	0.270588	0.442076	chr11	53454475	53455701	+	0	NA	Intergeni	ALR/Alpha	1148910	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-258	26.29362	-0.47914	0.435372	-1.10054	0.271097	0.442698	chr19	25802797	25803357	+	0	NA	Intergeni	ALR/Alpha	-1639630	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-5934	17.8497	-0.57527	0.523134	-1.09966	0.271482	0.443114	chr6	59342733	59345761	+	0	NA	Intergeni	ALR/Alpha	-1382801	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4785	33.21073	-0.42952	0.390872	-1.09886	0.271827	0.443467	chr5	47855246	47857101	+	0	NA	Intergeni	ALR/Alpha	-2159793	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4806	26.27192	-0.47795	0.435505	-1.09746	0.272439	0.444228	chr5	48068271	48068578	+	0	NA	Intergeni	ALR/Alpha	-2372044	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-229	79.76978	-0.30043	0.273811	-1.0972	0.272553	0.444228	chr17	22976497	22977768	+	0	NA	Intergeni	ALR/Alpha	454021	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4905	36.39627	-0.4112	0.375058	-1.09638	0.272914	0.444406	chr5	49055825	49058084	+	0	NA	Intergeni	ALR/Alpha	1384334	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4848	22.12731	-0.51961	0.473951	-1.09633	0.272934	0.444406	chr5	48483143	48483579	+	0	NA	Intergeni	ALR/Alpha	1957927	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4938	18.85775	-0.56004	0.510952	-1.09606	0.273052	0.444406	chr5	49381192	49381512	+	0	NA	Intergeni	ALR/Alpha	1059936	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5907	17.36877	-0.58302	0.532215	-1.09546	0.273314	0.444621	chr6	59070324	59071091	+	0	NA	Intergeni	ALR/Alpha	-1109261	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-261	42.76735	-0.38285	0.349825	-1.0944	0.27378	0.445169	chr19	26120147	26120524	+	0	NA	Intergeni	ALR/Alpha	-1673096	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-273	17.85249	-0.57082	0.522804	-1.09184	0.274904	0.446479	chr20	27354139	27356616	+	0	NA	Intergeni	ALR/Alpha	-1146144	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-288	17.85249	-0.57082	0.522804	-1.09184	0.274904	0.446479	chr20	28820977	28821467	+	0	NA	Intergeni	ALR/Alpha	-218557	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-250	33.16733	-0.42758	0.391675	-1.09167	0.274977	0.446479	chr19	25087989	25090286	+	0	NA	Intergeni	ALR/Alpha	-925690	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-413	19.24351	-0.55948	0.512771	-1.09109	0.275232	0.446515	chr10	41373034	41373346	+	0	NA	Intergeni	ALR/Alpha	994855	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4918	64.57567	-0.31897	0.292373	-1.09095	0.275294	0.446515	chr5	49182237	49183369	+	0	NA	Intergeni	ALR/Alpha	1258485	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-278	17.32537	-0.5795	0.531354	-1.09061	0.275446	0.446515	chr20	27827668	27829743	+	0	NA	Intergeni	ALR/Alpha	773960	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1241	21.55678	-0.52251	0.479176	-1.09044	0.27552	0.446515	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2583125	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-119	15.22135	-0.62716	0.575889	-1.08902	0.276144	0.447314	chr21	11904575	11904848	+	0	NA	Intergeni	ALR/Alpha	-1133455	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr11-510	86.81098	-0.28222	0.259414	-1.08792	0.276632	0.447825	chr11	51097822	51098096	+	0	NA	Intergeni	ALR/Alpha	688812	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4926	35.87194	-0.41092	0.377884	-1.08742	0.276851	0.447825	chr5	49260323	49261153	+	0	NA	Intergeni	ALR/Alpha	1180550	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9341	26.66046	-0.47601	0.437747	-1.08742	0.276851	0.447825	chr2	93414411	93414616	+	0	NA	Intergeni	ALR/Alpha	793906	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr5-4896	26.15393	-0.48952	0.450581	-1.08642	0.277293	0.448255	chr5	48962019	48962232	+	0	NA	Intergeni	ALR/Alpha	1479163	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-404	21.55957	-0.51879	0.477876	-1.08562	0.277646	0.448255	chr10	40476464	40478829	+	0	NA	Intergeni	ALR/Alpha	1781050	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-272	22.0405	-0.51398	0.473647	-1.08516	0.27785	0.448255	chr20	27212045	27212885	+	0	NA	Intergeni	ALR/Alpha	-1003232	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5968	17.30366	-0.57775	0.532417	-1.08515	0.277855	0.448255	chr6	59686391	59686595	+	0	NA	Intergeni	ALR/Alpha	-1725047	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1244	35.94262	-0.40909	0.377075	-1.0849	0.277966	0.448255	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2979795	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4557	16.82274	-0.5858	0.540002	-1.0848	0.278009	0.448255	chr8	45572625	45574369	+	0	NA	Intergeni	ALR/Alpha	1044146	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr20-288	21.60576	-0.51796	0.477493	-1.08475	0.278033	0.448255	chr20	28884030	28889998	+	0	NA	Intergeni	ALR/Alpha	-193376	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr7-5838	16.84723	-0.58284	0.537835	-1.08369	0.278503	0.448516	chr7	58381079	58382520	+	0	NA	Intergeni	ALR/Alpha	931622	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-529	26.253	-0.47368	0.43729	-1.08322	0.278712	0.448516	chr11	52978056	52978311	+	0	NA	Intergeni	ALR/Alpha	1625815	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-406	33.62656	-0.42473	0.392118	-1.08317	0.278732	0.448516	chr10	40647454	40647743	+	0	NA	Intergeni	ALR/Alpha	1720447	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9219	21.51338	-0.51964	0.479783	-1.08308	0.278775	0.448516	chr2	92198783	92200175	+	0	NA	Intergeni	ALR/Alpha	258346	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-119	16.89342	-0.58173	0.537268	-1.08275	0.27892	0.448516	chr21	11915578	11915798	+	0	NA	Intergeni	ALR/Alpha	-1122478	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-267	17.92317	-0.567	0.523737	-1.08261	0.278981	0.448516	chr20	26791696	26792196	+	0	NA	Intergeni	ALR/Alpha	-582713	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1227	113.389	-0.25412	0.234829	-1.08216	0.27918	0.448626	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1219103	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-156	16.3663	-0.5913	0.547747	-1.07952	0.280357	0.450305	chr18	15643924	15644525	+	0	NA	Intergeni	ALR/Alpha	-318305	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4745	24.86873	-0.50226	0.46552	-1.07892	0.280623	0.450522	chr5	47454061	47454275	+	0	NA	Intergeni	ALR/Alpha	-1757788	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4883	26.27749	-0.4718	0.437699	-1.07791	0.281073	0.450914	chr5	48837680	48838554	+	0	NA	Intergeni	ALR/Alpha	1603171	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-294	17.28196	-0.576	0.534495	-1.07765	0.281191	0.450914	chr20	29465964	29466309	+	0	NA	Intergeni	L1PA10|LI	17619	NR_134504	1.05E+08	Hs.702270	NR_134504		LOC105379	-	uncharact	ncRNA
chr20-265	16.91791	-0.57882	0.537422	-1.07702	0.28147	0.450914	chr20	26552533	26554073	+	0	NA	Intergeni	ALR/Alpha	-344070	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-408	32.14037	-0.42846	0.39783	-1.07698	0.281488	0.450914	chr10	40810937	40811845	+	0	NA	Intergeni	ALR/Alpha	1556654	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9267	35.41829	-0.40877	0.37958	-1.0769	0.281525	0.450914	chr2	92671637	92672024	+	0	NA	Intergeni	ALR/Alpha	730697	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-5859	24.74232	-0.48333	0.448994	-1.07648	0.281711	0.450918	chr6	58593340	58594450	+	0	NA	Intergeni	ALR/Alpha	-632449	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-270	21.03524	-0.5209	0.484021	-1.07619	0.281842	0.450918	chr20	27093250	27093495	+	0	NA	Intergeni	ALR/Alpha	-884139	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1242	16.85002	-0.57814	0.537444	-1.07572	0.282054	0.450918	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2742525	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4405	16.85002	-0.57814	0.537444	-1.07572	0.282054	0.450918	chr9	44057226	44058049	+	0	NA	Intergeni	ALR/Alpha	931471	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr16-342	24.76681	-0.48135	0.447815	-1.07489	0.282425	0.45111	chr16	34205247	34205459	+	0	NA	Intergeni	ALR/Alpha	41775	NR_162093	1.13E+08		NR_162093		MIR9901	-	microRNA	ncRNA
chr9-4054	17.96936	-0.5659	0.526488	-1.07486	0.282438	0.45111	chr9	40542182	40542467	+	0	NA	intron (N	ALR/Alpha	42343	NR_136300	1.03E+08	Hs.494013	NR_136300		LOC102724	-	methylene	pseudo
chr5-4931	40.75404	-0.38573	0.359351	-1.07341	0.283086	0.451935	chr5	49318620	49318880	+	0	NA	Intergeni	ALR/Alpha	1122538	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1234	28.43049	-0.45174	0.420974	-1.07308	0.283235	0.451962	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1904059	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-522	16.41528	-0.58526	0.545582	-1.07272	0.283398	0.452012	chr21	5227793	5229223	+	0	NA	Intergeni	L2b|LINE|	-73850	NR_160695	1.03E+08	Hs.449076	NM_001368	ENSG00000	LOC102724	-	periodic	protein-coding
chr19-253	34.84498	-0.41125	0.383639	-1.07198	0.283728	0.452296	chr19	25317917	25319080	+	0	NA	Intergeni	ALR/Alpha	-1155051	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-535	17.37714	-0.56923	0.531294	-1.0714	0.283988	0.452296	chr11	53528372	53528571	+	0	NA	Intergeni	ALR/Alpha	1075527	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4954	38.14739	-0.39316	0.367003	-1.07127	0.284048	0.452296	chr5	49545244	49549317	+	0	NA	Intergeni	ALR/Alpha	894008	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr18-161	15.84196	-0.59646	0.55684	-1.07115	0.284104	0.452296	chr18	16108316	16108515	+	0	NA	Intergeni	ALR/Alpha	-782496	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chrX-6055	15.86646	-0.5933	0.554378	-1.07021	0.284527	0.452759	chrX	60559025	60559429	+	0	NA	Intergeni	ALR/Alpha	-2648594	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr8-4546	16.30119	-0.58573	0.548092	-1.06867	0.28522	0.453651	chr8	45469839	45470674	+	0	NA	Intergeni	ALR/Alpha	1147387	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr6-5919	21.03803	-0.51711	0.484217	-1.06793	0.285553	0.45397	chr6	59190481	59191188	+	0	NA	Intergeni	ALR/Alpha	-1229388	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-125	15.91265	-0.59211	0.554763	-1.06732	0.285826	0.454115	chr22	12504681	12504930	+	0	NA	Intergeni	ALR/Alpha	607399	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-264	27.92786	-0.45324	0.42476	-1.06705	0.285948	0.454115	chr20	26488006	26490921	+	0	NA	Intergeni	ALR/Alpha	-280230	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-104	15.89095	-0.59019	0.553212	-1.06684	0.286042	0.454115	chr21	10436098	10441154	+	0	NA	intron (N	Charlie1a	25094	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr1-1217	20.07617	-0.5276	0.495461	-1.06486	0.28694	0.45533	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	233491	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	20.5354	-0.52073	0.489499	-1.06379	0.287422	0.455727	chr10	40436450	40437450	+	0	NA	Intergeni	ALR/Alpha	1740354	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-255	15.79856	-0.59262	0.557123	-1.06372	0.287456	0.455727	chr19	25590459	25591595	+	0	NA	Intergeni	ALR/Alpha	-1427580	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-6067	15.38553	-0.60271	0.567052	-1.06289	0.287833	0.455775	chr9	60672910	60675119	+	0	NA	Intergeni	ALR/Alpha	-240393	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr9-4432	15.82305	-0.58949	0.554659	-1.06279	0.287876	0.455775	chr9	44325338	44325674	+	0	NA	Intergeni	ALR/Alpha	1199340	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-128	23.75876	-0.48957	0.460711	-1.06264	0.287945	0.455775	chr21	12817692	12818128	+	0	NA	Intergeni	ALR/Alpha	-220256	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1240	28.91421	-0.44637	0.42012	-1.06248	0.288019	0.455775	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2561374	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4767	15.93714	-0.58901	0.554861	-1.06154	0.288445	0.456239	chr5	47672871	47673515	+	0	NA	Intergeni	ALR/Alpha	-1976813	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-9187	16.27949	-0.58387	0.550402	-1.06081	0.288777	0.456544	chr3	91879250	91879579	+	0	NA	Intergeni	ALR/Alpha	2094667	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr14-170	22.47803	-0.50642	0.477519	-1.06053	0.288905	0.456544	chr14	17052732	17052993	+	0	NA	Intergeni	ALR/Alpha	-1548255	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1228	72.88438	-0.31611	0.298227	-1.05996	0.289163	0.456681	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1346704	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4593	15.36661	-0.59546	0.561883	-1.05975	0.289258	0.456681	chr8	45930875	45934305	+	0	NA	Intergeni	ALR/Alpha	685053	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr20-282	15.84754	-0.58639	0.55349	-1.05944	0.289401	0.456696	chr20	28245488	28247058	+	0	NA	Intergeni	ALR/Alpha	356392	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr18-187	28.04753	-0.44739	0.423006	-1.05764	0.29022	0.457779	chr18	18799146	18799488	+	0	NA	Intergeni	ALR/Alpha	2312496	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr5-1759	23.76434	-0.48273	0.456568	-1.0573	0.290374	0.45781	chr5	17597137	17599277	+	0	NA	Intergeni	MLT1E3|LT	57431	NM_001355	391769		NM_001355	ENSG00000	H3.Y	-	histone c	protein-coding
chr19-268	15.77686	-0.59072	0.558985	-1.05677	0.290617	0.457827	chr19	26811854	26812941	+	0	NA	Intergeni	ALR/Alpha	-981034	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1233	48.87797	-0.37277	0.352989	-1.05605	0.290947	0.457827	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1809362	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-535	15.34491	-0.5935	0.562051	-1.05595	0.290991	0.457827	chr11	53509096	53509780	+	0	NA	Intergeni	ALR/Alpha	1094560	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr13-174	15.34491	-0.5935	0.562051	-1.05595	0.290991	0.457827	chr13	17405425	17406401	+	0	NA	Intergeni	ALR/Alpha	-789384	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-276	19.52735	-0.53265	0.504496	-1.05581	0.291053	0.457827	chr20	27696859	27699961	+	0	NA	Intergeni	ALR/Alpha	904255	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-4487	20.10345	-0.52119	0.493874	-1.05531	0.291285	0.457981	chr8	44870247	44871493	+	0	NA	Intergeni	ALR/Alpha	1578428	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr19-267	19.56796	-0.54033	0.513184	-1.05289	0.292391	0.45951	chr19	26785711	26786032	+	0	NA	Intergeni	ALR/Alpha	-1007560	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-406	23.23722	-0.48731	0.463426	-1.05155	0.293008	0.459795	chr10	40678284	40679692	+	0	NA	Intergeni	ALR/Alpha	1689057	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-136	23.23722	-0.48731	0.463426	-1.05155	0.293008	0.459795	chr22	13627936	13628549	+	0	NA	Intergeni	ALR/Alpha	1730836	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1235	15.3694	-0.59031	0.561453	-1.05139	0.293079	0.459795	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2070445	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-111	19.55463	-0.526	0.500478	-1.051	0.293257	0.459795	chr21	11114849	11116328	+	0	NA	Intergeni	ALR/Alpha	594074	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr7-5973	67.23799	-0.31133	0.29631	-1.05069	0.293402	0.459795	chr7	59734557	59735742	+	0	NA	Intergeni	ALR/Alpha	2284972	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-277	23.3079	-0.48443	0.461143	-1.0505	0.293489	0.459795	chr20	27727821	27729606	+	0	NA	Intergeni	ALR/Alpha	873952	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4733	33.38607	-0.41029	0.390583	-1.05045	0.293512	0.459795	chr5	47330373	47331809	+	0	NA	Intergeni	ALR/Alpha	-1634711	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4742	31.04551	-0.42893	0.409146	-1.04835	0.294477	0.461095	chr5	47421573	47422082	+	0	NA	Intergeni	ALR/Alpha	-1725447	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-255	33.36436	-0.40932	0.390781	-1.04745	0.294893	0.461236	chr19	25520541	25520822	+	0	NA	Intergeni	ALR/Alpha	-1357234	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-279	27.88725	-0.44806	0.427829	-1.04728	0.294969	0.461236	chr20	27906140	27906625	+	0	NA	Intergeni	ALR/Alpha	696283	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4957	111.5511	-0.24781	0.236682	-1.04703	0.295085	0.461236	chr5	49576851	49577112	+	0	NA	Intergeni	ALR/Alpha	864307	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-270	26.51235	-0.45678	0.436283	-1.04699	0.295105	0.461236	chr19	27008296	27009703	+	0	NA	Intergeni	ALR/Alpha	-784432	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1245	38.6122	-0.38677	0.369696	-1.04619	0.295471	0.461598	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3000514	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9235	19.09819	-0.52918	0.50656	-1.04465	0.296183	0.462311	chr2	92355221	92356081	+	0	NA	Intergeni	ALR/Alpha	414518	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-261	32.92405	-0.4155	0.397753	-1.04462	0.296198	0.462311	chr19	26104320	26105679	+	0	NA	Intergeni	ALR/Alpha	-1688432	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-5976	19.08982	-0.54225	0.519665	-1.04346	0.296738	0.462943	chr6	59764240	59765199	+	0	NA	Intergeni	ALR/Alpha	-1803273	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-170	19.60361	-0.52102	0.500128	-1.04178	0.297513	0.463941	chr13	17006025	17006644	+	0	NA	Intergeni	ALR/Alpha	-1188963	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA

chr10-406	30.2061	-0.42496	0.408228	-1.04097	0.297887	0.464314	chr10	40673460	40673667	+	0	NA	Intergeni	ALR/Alpha	1694482	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-173	20.15243	-0.51629	0.496183	-1.04053	0.298094	0.464412	chr13	17315416	17315692	+	0	NA	Intergeni	ALR/Alpha	-879743	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-408	22.82976	-0.48484	0.466073	-1.04025	0.298221	0.464412	chr10	40833171	40834292	+	0	NA	Intergeni	ALR/Alpha	1534314	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1230	34.76096	-0.40511	0.39046	-1.03751	0.299499	0.466189	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1578717	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-407	18.62005	-0.53087	0.513302	-1.03423	0.301027	0.468278	chr10	40763185	40764350	+	0	NA	Intergeni	ALR/Alpha	1604278	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1230	32.93521	-0.40551	0.392247	-1.03381	0.301225	0.468278	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1531111	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	23.2211	-0.47905	0.46343	-1.03371	0.30127	0.468278	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3232285	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-269	17.33652	-0.56069	0.542569	-1.03339	0.30142	0.468278	chr20	26935661	26935885	+	0	NA	Intergeni	ALR/Alpha	-726540	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1240	18.55215	-0.53019	0.513171	-1.03317	0.301524	0.468278	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2511304	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-6023	19.48283	-0.54118	0.524351	-1.03209	0.30203	0.468683	chr6	60234132	60234340	+	0	NA	Intergeni	ALR/Alpha	-1339894	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr2-9401	22.76466	-0.48073	0.465809	-1.03203	0.302059	0.468683	chr2	94011196	94011422	+	0	NA	Intergeni	ALR/Alpha	197110	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr4-4984	16.28507	-0.5739	0.556295	-1.03165	0.302236	0.468747	chr4	49841247	49841696	+	0	NA	Intergeni	ALR/Alpha	854829	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1229	18.57664	-0.52757	0.512439	-1.02953	0.30323	0.469862	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1388345	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-269	18.57664	-0.52757	0.512439	-1.02953	0.30323	0.469862	chr20	26922869	26924253	+	0	NA	Intergeni	ALR/Alpha	-714328	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-2440	16.47256	0.571272	0.556181	1.027134	0.304358	0.47137	chr1	2440413	2440671	+	0	NA	Intergeni	CpG	-26909	NM_001303	9651	Hs.170156	NM_014638	ENSG00000	PLCH2	PLC-L4|PL	phospholi	protein-coding
chr5-4792	55.61579	-0.31955	0.311186	-1.02688	0.304478	0.47137	chr5	47924481	47924712	+	0	NA	Intergeni	ALR/Alpha	-2228216	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1228	31.88096	-0.40976	0.399559	-1.02554	0.305108	0.472132	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1370751	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-270	53.00078	-0.32621	0.31825	-1.025	0.305364	0.472166	chr19	27020554	27020787	+	0	NA	Intergeni	ALR/Alpha	-772761	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4904	31.21694	-0.41777	0.407646	-1.02484	0.305436	0.472166	chr5	49042810	49043746	+	0	NA	Intergeni	ALR/Alpha	1398010	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr18-209	25.42029	-0.45528	0.444667	-1.02388	0.305894	0.472166	chr18	20920232	20923103	+	0	NA	Intergeni	ALR/Alpha	190146	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-270	32.98419	-0.40254	0.393162	-1.02385	0.305906	0.472166	chr19	27069326	27069544	+	0	NA	Intergeni	ALR/Alpha	-723996	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-372	21.7811	-0.4873	0.475985	-1.02377	0.305944	0.472166	chr12	37235338	37236302	+	0	NA	Intergeni	ALR/Alpha	-1080954	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr8-4417	22.16685	-0.4885	0.477228	-1.02362	0.306013	0.472166	chr8	44174599	44175592	+	0	NA	Intergeni	ALR/Alpha	882653	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr8-4563	18.00333	-0.53571	0.523435	-1.02345	0.306095	0.472166	chr8	45639961	45640835	+	0	NA	Intergeni	ALR/Alpha	977245	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr10-402	21.7349	-0.48812	0.477482	-1.02228	0.306647	0.472592	chr10	40246748	40248460	+	0	NA	Intergeni	ALR/Alpha	1551008	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-403	21.7349	-0.48812	0.477482	-1.02228	0.306647	0.472592	chr10	40396648	40397790	+	0	NA	Intergeni	ALR/Alpha	1700623	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-411	36.55827	-0.38617	0.377966	-1.02169	0.306926	0.47281	chr10	41143920	41144303	+	0	NA	Intergeni	ALR/Alpha	1223934	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr3-9186	32.56836	-0.40708	0.398821	-1.0207	0.307396	0.473321	chr3	91865256	91865540	+	0	NA	Intergeni	ALR/Alpha	2108683	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr5-4897	35.17669	-0.40063	0.392961	-1.01953	0.307953	0.473756	chr5	48979351	48979602	+	0	NA	Intergeni	ALR/Alpha	1461812	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4098	17.5224	-0.54227	0.53189	-1.01952	0.307955	0.473756	chr9	40982447	40983912	+	0	NA	Intergeni	L1MA6|LIN	-9082	NR_156730	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr1-1225	60.00084	-0.30687	0.301194	-1.01886	0.308269	0.474026	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1052348	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-287	17.57138	-0.5366	0.526907	-1.0184	0.308486	0.474147	chr20	28780595	28787216	+	0	NA	Intergeni	ALR/Alpha	-181240	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4956	22.26482	-0.47966	0.471197	-1.01796	0.308696	0.474257	chr5	49567719	49569772	+	0	NA	Intergeni	ALR/Alpha	872543	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1244	18.00612	-0.53128	0.52256	-1.01668	0.309305	0.474852	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2938015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	29.0694	0.426568	0.419683	1.016403	0.309437	0.474852	chr20	28534153	28534745	+	0	NA	Intergeni	ALR/Alpha	68216	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-127	21.25119	-0.49636	0.488427	-1.01624	0.309516	0.474852	chr21	12711699	12711929	+	0	NA	Intergeni	ALR/Alpha	-326352	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr11-519	17.63928	-0.53734	0.528888	-1.01598	0.309638	0.474852	chr11	51925566	51926266	+	0	NA	Intergeni	ALR/Alpha	1516769	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4791	34.59115	-0.38922	0.383954	-1.01372	0.310714	0.476289	chr5	47912908	47914813	+	0	NA	Intergeni	ALR/Alpha	-2217480	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1229	30.39366	-0.41993	0.414474	-1.01317	0.310977	0.476363	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1476114	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-249	22.67506	-0.4787	0.472552	-1.013	0.311059	0.476363	chr19	24976648	24978063	+	0	NA	Intergeni	ALR/Alpha	-813908	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-165	19.10656	-0.51659	0.510086	-1.01275	0.31118	0.476363	chr13	16536093	16536324	+	0	NA	Intergeni	ALR/Alpha	-1659089	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-173	17.09045	-0.54336	0.536942	-1.01196	0.311558	0.476531	chr14	17362088	17362349	+	0	NA	Intergeni	ALR/Alpha	-1238899	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-284	29.06506	-0.42588	0.420852	-1.01194	0.311567	0.476531	chr20	28473938	28474450	+	0	NA	Intergeni	ALR/Alpha	128471	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-6059	40.4596	-0.36308	0.358923	-1.01159	0.311733	0.476572	chr9	60591243	60591488	+	0	NA	Intergeni	ALR/Alpha	-323042	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr11-534	70.49088	-0.28529	0.282106	-1.01128	0.311883	0.476589	chr11	53456744	53456998	+	0	NA	Intergeni	ALR/Alpha	1147127	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4729	17.11494	-0.54047	0.535448	-1.00938	0.312793	0.477369	chr5	47296295	47297963	+	0	NA	Intergeni	ALR/Alpha	-1600749	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5964	17.6554	-0.54878	0.54377	-1.00921	0.312872	0.477369	chr6	59648794	59649186	+	0	NA	Intergeni	ALR/Alpha	-1687544	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1244	34.80604	-0.40949	0.405817	-1.00904	0.312955	0.477369	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2973183	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-251	21.78668	-0.47998	0.475751	-1.0089	0.313024	0.477369	chr19	25192098	25194107	+	0	NA	Intergeni	ALR/Alpha	-1029655	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr8-4525	17.04705	-0.53973	0.535047	-1.00876	0.31309	0.477369	chr8	45253117	45254833	+	0	NA	Intergeni	ALR/Alpha	1363668	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr6-5928	24.5102	-0.45412	0.450503	-1.00803	0.313441	0.477657	chr6	59283599	59285706	+	0	NA	Intergeni	ALR/Alpha	-1323206	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5921	16.99807	-0.54563	0.541509	-1.00761	0.313644	0.477657	chr6	59217590	59219624	+	0	NA	Intergeni	ALR/Alpha	-1257161	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr7-5834	21.74048	-0.48077	0.477198	-1.00749	0.313698	0.477657	chr7	58349703	58350417	+	0	NA	Intergeni	ALR/Alpha	899883	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-918	17.59866	-0.52933	0.526312	-1.00573	0.314543	0.478381	chr21	9183791	9184914	+	0	NA	Intergeni	L1PA4|LIN	-54591	NR_038327	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr7-6061	21.18887	-0.48802	0.485319	-1.00558	0.31462	0.478381	chr7	60618704	60619041	+	0	NA	Intergeni	ALR/Alpha	2685184	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr19-264	18.14749	-0.52385	0.521444	-1.00461	0.315083	0.478381	chr19	26478525	26478790	+	0	NA	Intergeni	ALR/Alpha	-1314774	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4841	21.28404	-0.4826	0.480476	-1.00442	0.315176	0.478381	chr5	48414025	48414392	+	0	NA	Intergeni	ALR/Alpha	2027080	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-407	36.86381	-0.37441	0.373055	-1.00362	0.31556	0.478381	chr10	40752601	40752944	+	0	NA	Intergeni	ALR/Alpha	1615273	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr3-9119	31.01428	-0.40958	0.408199	-1.00338	0.315676	0.478381	chr3	91192106	91192336	+	0	NA	Intergeni	ALR/Alpha	2084600	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-254	20.73243	-0.49003	0.488389	-1.00335	0.315692	0.478381	chr19	25454744	25457961	+	0	NA	Intergeni	ALR/Alpha	-1292905	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-517	16.56612	-0.54679	0.545086	-1.00313	0.315798	0.478381	chr11	51739542	51739748	+	0	NA	Intergeni	ALR/Alpha	1330498	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr17-234	15.23641	-0.58329	0.58151	-1.00306	0.315832	0.478381	chr17	23492627	23492839	+	0	NA	Intergeni	ALR/Alpha	969622	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr7-5821	21.23785	-0.48341	0.482016	-1.0029	0.315908	0.478381	chr7	58217368	58219254	+	0	NA	Intergeni	ALR/Alpha	768134	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1236	34.09131	-0.38717	0.386477	-1.00179	0.316446	0.478381	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2180496	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-356	17.04984	-0.53509	0.53416	-1.00173	0.316472	0.478381	chr12	35688783	35689402	+	0	NA	Intergeni	ALR/Alpha	1666596	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr18-161	17.04984	-0.53509	0.53416	-1.00173	0.316472	0.478381	chr18	16102721	16102940	+	0	NA	Intergeni	ALR/Alpha	-776911	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr22-144	17.04984	-0.53509	0.53416	-1.00173	0.316472	0.478381	chr22	14495147	14495355	+	0	NA	Intergeni	ALR/Alpha	-1032908	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4753	16.59061	-0.5438	0.542896	-1.00166	0.316508	0.478381	chr5	47535242	47536907	+	0	NA	Intergeni	ALR/Alpha	-1839694	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-5855	45.96958	-0.33876	0.33821	-1.00163	0.316521	0.478381	chr7	58552534	58552830	+	0	NA	Intergeni	ALR/Alpha	1102505	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-271	17.09603	-0.53403	0.533186	-1.00158	0.316547	0.478381	chr19	27126529	27128653	+	0	NA	Intergeni	ALR/Alpha	-665840	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-5944	19.70157	-0.51067	0.510381	-1.00056	0.317038	0.478679	chr7	59449352	59449644	+	0	NA	Intergeni	ALR/Alpha	1999321	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-410	44.91143	-0.34638	0.346205	-1.0005	0.317071	0.478679	chr10	41037679	41037893	+	0	NA	Intergeni	ALR/Alpha	1330259	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-271	16.56891	-0.54194	0.541931	-1.00002	0.317303	0.478679	chr19	27106933	27112693	+	0	NA	Intergeni	ALR/Alpha	-683618	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9391	16.56891	-0.54194	0.541931	-1.00002	0.317303	0.478679	chr2	93919540	93919830	+	0	NA	Intergeni	ALR/Alpha	288734	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr11-514	25.0863	-0.44658	0.446826	-0.99944	0.317581	0.478888	chr11	51482708	51482927	+	0	NA	Intergeni	ALR/Alpha	1073670	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr6-5966	27.69853	-0.42428	0.424686	-0.99905	0.317769	0.47896	chr6	59661308	59662142	+	0	NA	Intergeni	ALR/Alpha	-1700279	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-164	16.6368	-0.54272	0.543936	-0.99776	0.318398	0.479641	chr13	16417706	16417905	+	0	NA	Intergeni	ALR/Alpha	-1777492	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-271	36.77422	-0.37307	0.373991	-0.99754	0.318501	0.479641	chr19	27144794	27148816	+	0	NA	Intergeni	ALR/Alpha	-646626	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-6074	23.93967	-0.45532	0.456583	-0.99724	0.31865	0.479655	chr7	60748470	60749683	+	0	NA	Intergeni	ALR/Alpha	2554980	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr19-256	30.14658	-0.41614	0.417715	-0.99623	0.31914	0.480182	chr19	25640170	25640383	+	0	NA	Intergeni	ALR/Alpha	-1476829	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-275	17.02814	-0.53329	0.5358	-0.99532	0.319582	0.48032	chr20	27534431	27534714	+	0	NA	Intergeni	ALR/Alpha	1068093	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-276	17.02814	-0.53329	0.5358	-0.99532	0.319582	0.48032	chr20	27640934	27643176	+	0	NA	Intergeni	ALR/Alpha	960610	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-6060	20.30048	-0.48973	0.492104	-0.99517	0.319652	0.48032	chr9	60601394	60601656	+	0	NA	Intergeni	ALR/Alpha	-312882	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr8-4459	30.90856	-0.4017	0.404103	-0.99404	0.320203	0.480936	chr8	44594364	44595530	+	0	NA	Intergeni	ALR/Alpha	1302505	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1239	39.02239	-0.36129	0.363911	-0.99279	0.320814	0.481643	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2461221	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4399	16.66129	-0.53976	0.544089	-0.99205	0.321172	0.48197	chr9	43994945	43995154	+	0	NA	Intergeni	ALR/Alpha	868883	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5992	20.9172	-0.48667	0.491303	-0.99056	0.3219	0.48285	chr7	59925841	59926079	+	0	NA	Intergeni	ALR/Alpha	2475783	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1249	49.74845	-0.32896	0.332295	-0.98995	0.322198	0.482988	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3389587	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-348	31.79974	-0.40055	0.404682	-0.9898	0.322274	0.482988	chr12	34892195	34892454	+	0	NA	Intergeni	ALR/Alpha	869828	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-236	17.82024	-0.54771	0.554945	-0.98696	0.323662	0.484818	chr17	23615446	23615671	+	0	NA	Intergeni	ALR/Alpha	1092447	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1218	37.11378	-0.37566	0.380719	-0.98672	0.323778	0.484818	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	338626	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-513	20.21089	-0.48754	0.494637	-0.98566	0.3243	0.485193	chr11	51377837	51378297	+	0	NA	Intergeni	ALR/Alpha	968920	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr4-5105	16.11526	-0.54127	0.549156	-0.98564	0.324312	0.485193	chr4	51057063	51057381	+	0	NA	Intergeni	ALR/Alpha	-785778	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr12-354	16.15866	-0.5451	0.553399	-0.98501	0.324619	0.485441	chr12	35458063	35458265	+	0	NA	Intergeni	ALR/Alpha	1435668	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr8-4565	17.43839	-0.53061	0.539386	-0.98374	0.325244	0.485642	chr8	45651344	45651608	+	0	NA	Intergeni	ALR/Alpha	966167	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr19-266	20.80869	-0.47916	0.487138	-0.98363	0.3253	0.485642	chr19	26626704	26628663	+	0	NA	Intergeni	ALR/Alpha	-1165748	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1233	23.46432	-0.45167	0.459196	-0.98362	0.325303	0.485642	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1812105	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-372	16.50381	-0.53641	0.545523	-0.98329	0.325462	0.485642	chr16	37218907	37219461	+	0	NA	Intergeni	ALR/Alpha	1472632	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr7-6009	16.50381	-0.53641	0.545523	-0.98329	0.325462	0.485642	chr7	60099336	60099997	+	0	NA	Intergeni	ALR/Alpha	2649489	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1236	24.12723	-0.44912	0.45751	-0.98166	0.326265	0.486421	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2107854	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-724	15.51746	-0.55439	0.564748	-0.98166	0.326269	0.486421	chr21	7246927	7250303	+	0	NA	Intergeni	ALR/Alpha	-182022	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr1-1236	15.52025	-0.54917	0.561072	-0.97879	0.327682	0.488071	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2097453	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5023	20.18919	-0.48601	0.496679	-0.97851	0.327821	0.488071	chr4	50239819	50240157	+	0	NA	Intergeni	ALR/Alpha	1253346	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1242	103.5764	-0.24281	0.248191	-0.97831	0.327921	0.488071	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2718587	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-270	16.07186	-0.53748	0.549428	-0.97826	0.327945	0.488071	chr20	27096171	27097684	+	0	NA	Intergeni	ALR/Alpha	-887694	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-116	17.55805	-0.52112	0.533801	-0.97624	0.328946	0.488776	chr21	11632277	11632484	+	0	NA	Intergeni	ALR/Alpha	1110866	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr9-4361	16.02567	-0.5386	0.551744	-0.97618	0.328974	0.488776	chr9	43613961	43615314	+	0	NA	Intergeni	ALR/Alpha	488471	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4868	26.72055	-0.42157	0.431862	-0.97616	0.328983	0.488776	chr5	48688584	48690249	+	0	NA	Intergeni	ALR/Alpha	1751872	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-258	16.11805	-0.53635	0.549459	-0.97615	0.32899	0.488776	chr17	25839093	25839313	+	0	NA	Intergeni	ALR/Alpha	1250038	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4833	23.46711	-0.44828	0.45947	-0.97564	0.329243	0.488833	chr5	48333807	48335096	+	0	NA	Intergeni	ALR/Alpha	2106837	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-6048	19.25182	-0.49278	0.505157	-0.9755	0.329313	0.488833	chr7	60481829	60482953	+	0	NA	Intergeni	ALR/Alpha	2821665	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr20-283	19.75724	-0.48563	0.498056	-0.97505	0.329534	0.488949	chr20	28394867	28395828	+	0	NA	Intergeni	ALR/Alpha	207318	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4942	51.93989	-0.31521	0.323546	-0.97422	0.329946	0.489265	chr5	49421007	49421273	+	0	NA	Intergeni	ALR/Alpha	1020148	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9257	15.56923	-0.54289	0.557411	-0.97396	0.330079	0.489265	chr2	92570027	92570890	+	0	NA	Intergeni	ALR/Alpha	629325	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-267	41.27893	-0.34484	0.354233	-0.97348	0.330314	0.489265	chr19	26797070	26797301	+	0	NA	Intergeni	ALR/Alpha	-996246	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-288	19.27631	-0.49025	0.503613	-0.97347	0.330318	0.489265	chr20	28860112	28861891	+	0	NA	Intergeni	ALR/Alpha	-219389	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr19-271	23.42092	-0.44899	0.461675	-0.97253	0.330788	0.489275	chr19	27155457	27158291	+	0	NA	Intergeni	ALR/Alpha	-636557	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-356	15.11	-0.55271	0.568511	-0.97221	0.330946	0.489275	chr12	35618544	35619046	+	0	NA	Intergeni	ALR/Alpha	1596299	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-406	19.3225	-0.48935	0.503415	-0.97206	0.331021	0.489275	chr10	40619937	40620552	+	0	NA	Intergeni	ALR/Alpha	1747801	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-5921	51.4261	-0.32148	0.33076	-0.97194	0.331081	0.489275	chr7	59217188	59217561	+	0	NA	Intergeni	ALR/Alpha	1767197	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-5868	15.52304	-0.54406	0.559939	-0.97165	0.331225	0.489275	chr7	58688050	58690345	+	0	NA	Intergeni	ALR/Alpha	1239020	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-266	16.05016	-0.53557	0.55126	-0.97154	0.331281	0.489275	chr20	26689064	26689517	+	0	NA	Intergeni	ALR/Alpha	-480057	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4403	15.0883	-0.55067	0.566856	-0.97145	0.331325	0.489275	chr9	44037117	44037943	+	0	NA	Intergeni	ALR/Alpha	911364	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo

chr5-4828	23.4916	-0.44621	0.459511	-0.97106	0.331516	0.489313	chr5	48280249	48280723	+	0	NA	Intergeni	ALR/Alpha	2160802	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1234	51.89537	-0.3172	0.326735	-0.97082	0.331636	0.489313	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1949633	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	20.143	-0.4869	0.501881	-0.97014	0.331976	0.489393	chr19	26980787	26980999	+	0	NA	Intergeni	ALR/Alpha	-812538	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-263	84.95413	-0.2619	0.269956	-0.97014	0.331976	0.489393	chr17	26328659	26328911	+	0	NA	Intergeni	ALR/Alpha	760456	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr6-5868	15.0666	-0.54866	0.566437	-0.96861	0.33274	0.490308	chr6	58685069	58685926	+	0	NA	Intergeni	ALR/Alpha	-724051	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1245	16.14254	-0.53329	0.5514	-0.96716	0.333462	0.490973	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2988616	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-518	26.12553	-0.42386	0.438384	-0.96686	0.333615	0.490973	chr11	51800188	51800415	+	0	NA	Intergeni	ALR/Alpha	1391154	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-266	15.11279	-0.54745	0.56625	-0.9668	0.333644	0.490973	chr20	26696172	26698193	+	0	NA	Intergeni	ALR/Alpha	-487949	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-252	19.34699	-0.48685	0.503689	-0.96656	0.333764	0.490973	chr19	25299835	25300693	+	0	NA	Intergeni	ALR/Alpha	-1136817	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-271	37.49559	-0.35802	0.370916	-0.96524	0.334426	0.491735	chr19	27138456	27140712	+	0	NA	Intergeni	ALR/Alpha	-653847	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-399	18.75198	-0.49183	0.51077	-0.96293	0.335584	0.493226	chr10	39936594	39937584	+	0	NA	Intergeni	ALR/Alpha	1240493	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr16-377	28.39262	-0.40757	0.423538	-0.96229	0.335904	0.493485	chr16	37749960	37750295	+	0	NA	Intergeni	ALR/Alpha	2003575	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr7-5953	38.24708	-0.36427	0.378997	-0.96114	0.33648	0.49412	chr7	59538057	59538324	+	0	NA	Intergeni	ALR/Alpha	2088013	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-1752	34.35624	-0.3702	0.385635	-0.95999	0.337062	0.494762	chr5	17525188	17527945	+	0	NA	Intergeni	Intergeni	82556	NR_134270	1.03E+08		NR_134270	ENSG00000	LINC02218	-	long inte	ncRNA
chr17-236	47.81698	-0.32074	0.334309	-0.95942	0.337349	0.494971	chr17	23696720	23696930	+	0	NA	Intergeni	ALR/Alpha	1173714	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr22-137	23.49439	-0.44276	0.461798	-0.95878	0.337669	0.495129	chr22	13741327	13741546	+	0	NA	Intergeni	ALR/Alpha	-1786723	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4919	37.56906	-0.35413	0.369412	-0.95863	0.337746	0.495129	chr5	49197568	49197861	+	0	NA	Intergeni	ALR/Alpha	1243574	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1232	18.31724	-0.49594	0.518362	-0.95675	0.338696	0.49631	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1741699	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-259	18.80096	-0.48669	0.509402	-0.95542	0.339367	0.49708	chr17	25963986	25964529	+	0	NA	Intergeni	ALR/Alpha	1124984	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-406	34.42692	-0.36833	0.38589	-0.9545	0.339832	0.497165	chr10	40609163	40609464	+	0	NA	Intergeni	ALR/Alpha	1758732	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1247	21.98371	-0.4515	0.473046	-0.95444	0.33986	0.497165	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3211559	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4405	21.98371	-0.4515	0.473046	-0.95444	0.33986	0.497165	chr8	44056069	44057021	+	0	NA	Intergeni	ALR/Alpha	764103	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr19-265	15.6644	-0.53541	0.561352	-0.9538	0.340187	0.497431	chr19	26538547	26539620	+	0	NA	Intergeni	ALR/Alpha	-1254348	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-186	18.19758	-0.50535	0.530279	-0.95298	0.340598	0.49782	chr15	18668862	18669455	+	0	NA	Intergeni	ALR/Alpha	-1613586	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1237	19.2357	-0.4829	0.506966	-0.95253	0.34083	0.497947	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2213547	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-414	34.70138	-0.36828	0.387048	-0.9515	0.34135	0.498473	chr10	41466548	41466900	+	0	NA	Intergeni	ALR/Alpha	901321	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-408	22.48913	-0.44612	0.469015	-0.95118	0.341511	0.498473	chr10	40822031	40822542	+	0	NA	Intergeni	ALR/Alpha	1545759	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-249	28.88191	-0.39735	0.417845	-0.95096	0.341627	0.498473	chr19	24959239	24960235	+	0	NA	Intergeni	ALR/Alpha	-796290	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9302	22.53532	-0.44537	0.468741	-0.95014	0.342042	0.498866	chr2	93025965	93026265	+	0	NA	Intergeni	ALR/Alpha	1084982	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr12-357	18.73307	-0.48595	0.512402	-0.94839	0.342933	0.499953	chr12	35786055	35786498	+	0	NA	Intergeni	ALR/Alpha	1763780	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr14-171	17.79291	-0.49776	0.525241	-0.94768	0.343292	0.500263	chr14	17128289	17128995	+	0	NA	Intergeni	ALR/Alpha	-1472475	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-399	21.52727	-0.45262	0.478266	-0.94638	0.343953	0.501013	chr10	39989775	39990787	+	0	NA	Intergeni	ALR/Alpha	1293685	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-256	27.6173	-0.4135	0.437108	-0.946	0.344148	0.501024	chr19	25605006	25605224	+	0	NA	Intergeni	ALR/Alpha	-1441668	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-264	18.27663	-0.48821	0.516324	-0.94556	0.344375	0.501024	chr19	26489812	26491742	+	0	NA	Intergeni	ALR/Alpha	-1302654	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4946	43.78265	-0.33327	0.35248	-0.94551	0.344399	0.501024	chr5	49467892	49468145	+	0	NA	Intergeni	ALR/Alpha	973270	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-407	45.69405	-0.32099	0.339681	-0.94497	0.344675	0.501213	chr10	40736163	40736461	+	0	NA	Intergeni	ALR/Alpha	1631733	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4998	33.85919	-0.36546	0.387179	-0.94389	0.345224	0.501476	chr5	49989733	49990011	+	0	NA	Intergeni	ALR/Alpha	451416	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1217	24.71281	-0.42262	0.44776	-0.94385	0.345247	0.501476	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	244572	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-235	15.96056	-0.53265	0.564526	-0.94353	0.345407	0.501476	chr17	23523166	23523369	+	0	NA	Intergeni	ALR/Alpha	1000156	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4901	27.94454	-0.39897	0.422879	-0.94347	0.345442	0.501476	chr5	49012955	49013196	+	0	NA	Intergeni	ALR/Alpha	1428213	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1224	15.11837	-0.53692	0.569438	-0.94289	0.345736	0.501691	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	881023	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-820	57.95918	-0.29505	0.313352	-0.9416	0.346399	0.502439	chr21	8202682	8203996	+	0	NA	intron (N	L1MC4|LIN	-1976	NR_106782	1.02E+08		NR_106782	ENSG00000	MIR6724-1	MIR6724|h	microRNA	ncRNA
chr1-1241	18.84994	-0.48151	0.511794	-0.94082	0.346795	0.502597	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2612578	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4927	20.74638	-0.47032	0.499908	-0.94081	0.346801	0.502597	chr5	49277240	49277443	+	0	NA	Intergeni	ALR/Alpha	1163947	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4932	36.52039	-0.35199	0.374443	-0.94003	0.347203	0.502611	chr5	49324904	49326221	+	0	NA	Intergeni	ALR/Alpha	1115726	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4880	18.30112	-0.48557	0.516563	-0.94001	0.347213	0.502611	chr5	48805625	48806140	+	0	NA	Intergeni	ALR/Alpha	1635406	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-516	18.71136	-0.48427	0.515212	-0.93994	0.347251	0.502611	chr11	51619036	51619259	+	0	NA	Intergeni	ALR/Alpha	1210000	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-513	57.07079	-0.29238	0.311267	-0.93933	0.347563	0.502851	chr11	51387664	51387991	+	0	NA	Intergeni	ALR/Alpha	978680	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr7-6140	17.29028	-0.50153	0.534475	-0.93836	0.34806	0.503358	chr7	61409848	61410802	+	0	NA	Intergeni	ALR/Alpha	1893731	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr5-4774	27.90114	-0.39668	0.423611	-0.93643	0.34905	0.504017	chr5	47748978	47750789	+	0	NA	Intergeni	ALR/Alpha	-2053503	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-6037	24.21018	-0.42373	0.45254	-0.93634	0.3491	0.504017	chr7	60376018	60377291	+	0	NA	Intergeni	ALR/Alpha	2926477	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4933	20.95675	-0.45394	0.484801	-0.93633	0.349101	0.504017	chr5	49337257	49340643	+	0	NA	Intergeni	ALR/Alpha	1102338	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-170	15.5531	-0.53052	0.566598	-0.93633	0.349105	0.504017	chr14	17082128	17082350	+	0	NA	Intergeni	ALR/Alpha	-1518878	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-288	17.79849	-0.48885	0.522773	-0.9351	0.349735	0.504661	chr20	28864997	28867273	+	0	NA	Intergeni	ALR/Alpha	-214255	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr13-170	17.24687	-0.4979	0.532576	-0.93489	0.349845	0.504661	chr13	17037322	17038283	+	0	NA	Intergeni	ALR/Alpha	-1157495	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-415	24.59873	-0.4227	0.452524	-0.93409	0.350255	0.505039	chr10	41578241	41578471	+	0	NA	Intergeni	ALR/Alpha	789689	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-260	24.18848	-0.42242	0.452431	-0.93368	0.350471	0.505138	chr19	26095462	26095737	+	0	NA	Intergeni	ALR/Alpha	-1697832	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4773	43.23272	-0.33715	0.361651	-0.93225	0.351208	0.505724	chr5	47738527	47738741	+	0	NA	Intergeni	ALR/Alpha	-2042254	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr18-168	17.84468	-0.48786	0.52344	-0.93203	0.35132	0.505724	chr18	16855004	16855397	+	0	NA	Intergeni	ALR/Alpha	-1529281	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4894	17.84468	-0.48786	0.52344	-0.93203	0.35132	0.505724	chr5	48943776	48943985	+	0	NA	Intergeni	ALR/Alpha	1497408	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4792	24.09331	-0.4272	0.458517	-0.9317	0.35149	0.505755	chr5	47928035	47928751	+	0	NA	Intergeni	ALR/Alpha	-2232013	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1236	20.95954	-0.45015	0.484293	-0.92949	0.352633	0.506974	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2121292	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-8565	20.95954	-0.45015	0.484293	-0.92949	0.352633	0.506974	chr8	85650402	85652476	+	0	NA	Intergeni	L1PA5|LIN	4237	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr19-266	31.13566	-0.37555	0.404233	-0.92904	0.352867	0.507098	chr19	26641037	26641267	+	0	NA	Intergeni	ALR/Alpha	-1152279	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-5085	17.24966	-0.49331	0.531224	-0.92862	0.353086	0.507201	chr4	50856075	50856283	+	0	NA	Intergeni	ALR/Alpha	-986821	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr1-1229	46.43433	-0.3122	0.336367	-0.92814	0.353336	0.507347	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1403682	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-169	16.79044	-0.50069	0.540086	-0.92705	0.353898	0.507941	chr13	16904482	16905324	+	0	NA	Intergeni	ALR/Alpha	-1290394	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-247	37.8708	-0.35062	0.378404	-0.92657	0.354151	0.508092	chr19	24742810	24743088	+	0	NA	Intergeni	ALR/Alpha	-579502	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-231	31.22805	-0.3745	0.404987	-0.92471	0.355116	0.509262	chr17	23143678	23144077	+	0	NA	Intergeni	ALR/Alpha	620766	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr11-520	21.46496	-0.44453	0.481052	-0.92407	0.355448	0.509266	chr11	52039181	52039528	+	0	NA	Intergeni	ALR/Alpha	1630207	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1231	26.89588	-0.39774	0.430549	-0.92379	0.355595	0.509266	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1628467	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	35.58582	-0.34976	0.37865	-0.92371	0.355639	0.509266	chr19	26903864	26904846	+	0	NA	Intergeni	ALR/Alpha	-889076	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-264	20.93784	-0.44865	0.485828	-0.92348	0.355757	0.509266	chr20	26495863	26500429	+	0	NA	Intergeni	ALR/Alpha	-288913	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-514	17.75508	-0.48534	0.525868	-0.92294	0.35604	0.509266	chr11	51461613	51462774	+	0	NA	Intergeni	ALR/Alpha	1053046	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr12-372	36.15913	-0.34822	0.377397	-0.92268	0.356171	0.509266	chr12	37251611	37251812	+	0	NA	Intergeni	ALR/Alpha	-1065063	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr11-517	23.66415	-0.42222	0.457626	-0.92264	0.356195	0.509266	chr11	51704395	51705514	+	0	NA	Intergeni	ALR/Alpha	1295807	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr16-369	17.22796	-0.49152	0.53286	-0.92242	0.356308	0.509266	chr16	36976033	36976932	+	0	NA	Intergeni	ALR/Alpha	1229930	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr7-5893	20.67849	-0.46926	0.509399	-0.92121	0.35694	0.509882	chr7	58938029	58938254	+	0	NA	Intergeni	ALR/Alpha	1487964	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr14-162	19.97319	-0.45982	0.499393	-0.92076	0.357175	0.509882	chr14	16217467	16217768	+	0	NA	Intergeni	ALR/Alpha	-2383500	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4840	41.00062	-0.32708	0.355231	-0.92074	0.357185	0.509882	chr5	48409281	48409495	+	0	NA	Intergeni	ALR/Alpha	2031900	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-413	26.43665	-0.40072	0.435446	-0.92025	0.357444	0.510038	chr10	41380185	41380477	+	0	NA	Intergeni	ALR/Alpha	987714	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-512	23.73483	-0.4195	0.456213	-0.91953	0.35782	0.510363	chr11	51266143	51266539	+	0	NA	Intergeni	ALR/Alpha	857194	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-255	72.51144	-0.2579	0.280584	-0.91915	0.358015	0.510428	chr19	25525743	25525944	+	0	NA	Intergeni	ALR/Alpha	-1362396	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr12-352	19.97598	-0.45576	0.496266	-0.91838	0.358417	0.510789	chr12	35290435	35292463	+	0	NA	Intergeni	ALR/Alpha	1268953	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-260	38.91272	-0.33591	0.366553	-0.91641	0.359454	0.512053	chr19	26070559	26070780	+	0	NA	Intergeni	ALR/Alpha	-1722762	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4886	17.91536	-0.48407	0.528919	-0.9152	0.360087	0.512743	chr5	48863869	48864069	+	0	NA	Intergeni	ALR/Alpha	1577319	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-729	16.29059	-0.49983	0.546447	-0.9147	0.360351	0.512905	chr21	7292904	7294067	+	0	NA	Intergeni	ALR/Alpha	-137152	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr17-256	26.41774	-0.39647	0.433913	-0.91371	0.360871	0.513432	chr17	25660839	25661041	+	0	NA	Intergeni	ALR/Alpha	1428301	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1242	17.27694	-0.48592	0.532187	-0.91307	0.361205	0.513569	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2692103	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	19.97877	-0.45178	0.49486	-0.91295	0.361267	0.513569	chr10	40201433	40203373	+	0	NA	Intergeni	ALR/Alpha	1505807	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4898	16.33679	-0.49877	0.546979	-0.91186	0.361841	0.513995	chr5	48984649	48986105	+	0	NA	Intergeni	ALR/Alpha	1455911	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-150	17.32314	-0.48492	0.531817	-0.91181	0.361867	0.513995	chr22	15028422	15028641	+	0	NA	Intergeni	ALR/Alpha	-499628	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr2-9287	26.39604	-0.39526	0.434343	-0.91003	0.362807	0.515117	chr2	92874419	92874790	+	0	NA	Intergeni	ALR/Alpha	933471	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1227	23.2105	-0.41923	0.460863	-0.90966	0.363002	0.51518	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1268526	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1242	29.65226	-0.37435	0.411904	-0.90883	0.363438	0.515585	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2685850	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-409	16.29338	-0.49499	0.545007	-0.90822	0.36376	0.515662	chr10	40948956	40949170	+	0	NA	Intergeni	ALR/Alpha	1418982	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-532	23.32179	-0.42264	0.465389	-0.90814	0.363802	0.515662	chr11	53208782	53209058	+	0	NA	Intergeni	ALR/Alpha	1395078	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-528	52.86555	-0.29302	0.322753	-0.90788	0.363944	0.515662	chr11	52891994	52892214	+	0	NA	Intergeni	ALR/Alpha	1711894	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr13-178	16.24719	-0.49606	0.546715	-0.90735	0.364222	0.515843	chr13	17863295	17863715	+	0	NA	Intergeni	ALR/Alpha	-331792	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-264	44.85743	-0.31407	0.347045	-0.90498	0.365479	0.517409	chr17	26462770	26463329	+	0	NA	Intergeni	ALR/Alpha	626192	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr11-528	15.76626	-0.50202	0.555356	-0.90396	0.366016	0.517742	chr11	52876197	52876608	+	0	NA	Intergeni	ALR/Alpha	1727596	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-277	15.76626	-0.50202	0.555356	-0.90396	0.366016	0.517742	chr20	27767249	27768538	+	0	NA	Intergeni	ALR/Alpha	834772	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1245	16.27168	-0.49311	0.545699	-0.90362	0.366195	0.517781	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3031477	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1222	19.42994	-0.45479	0.503724	-0.90286	0.3666	0.517914	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	723276	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5111	16.31787	-0.49204	0.545157	-0.90257	0.366755	0.517914	chr4	51114475	51114865	+	0	NA	Intergeni	ALR/Alpha	-728330	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr5-4809	19.50063	-0.45143	0.500335	-0.90226	0.366918	0.517914	chr5	48093610	48093909	+	0	NA	Intergeni	ALR/Alpha	2347529	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-909	16.7988	-0.48653	0.539257	-0.90223	0.366934	0.517914	chr21	9093193	9093419	+	0	NA	intron (N	intron (N	36455	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr18-189	28.95928	-0.38232	0.423847	-0.90202	0.367045	0.517914	chr18	18991126	18991645	+	0	NA	Intergeni	ALR/Alpha	2120428	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr4-5090	16.75261	-0.48755	0.540801	-0.90154	0.367302	0.518064	chr4	50900646	50900915	+	0	NA	Intergeni	ALR/Alpha	-942220	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr10-410	15.79075	-0.49895	0.553639	-0.90122	0.36747	0.518087	chr10	41044414	41045128	+	0	NA	Intergeni	ALR/Alpha	1323274	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-407	22.75406	-0.41961	0.465892	-0.90066	0.367771	0.518298	chr10	40715108	40715938	+	0	NA	Intergeni	ALR/Alpha	1652522	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-404	20.07394	-0.44613	0.495778	-0.89987	0.368192	0.518678	chr10	40447209	40448458	+	0	NA	Intergeni	ALR/Alpha	1751237	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chrX-5958	19.29404	0.461435	0.513495	0.898616	0.368857	0.51911	chrX	59589002	59589476	+	0	NA	Intergeni	ALR/Alpha	-1678606	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr5-4770	16.38577	-0.49284	0.548446	-0.89861	0.368863	0.51911	chr5	47708947	47709172	+	0	NA	Intergeni	ALR/Alpha	-2012679	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-250	18.74143	-0.47265	0.526077	-0.89844	0.368953	0.51911	chr19	25010584	25010918	+	0	NA	Intergeni	ALR/Alpha	-847304	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-258	29.17412	-0.37281	0.415186	-0.89794	0.369217	0.519202	chr19	25870257	25870506	+	0	NA	Intergeni	ALR/Alpha	-1706934	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-276	20.94341	-0.44091	0.491236	-0.89755	0.369427	0.519202	chr20	27609042	27609341	+	0	NA	Intergeni	ALR/Alpha	993474	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-283	15.76905	-0.49701	0.5538	-0.89746	0.369473	0.519202	chr20	28380088	28381511	+	0	NA	Intergeni	ALR/Alpha	221866	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr6-5877	16.70642	-0.48855	0.544601	-0.89708	0.369674	0.519272	chr6	58773900	58774581	+	0	NA	Intergeni	ALR/Alpha	-812794	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr2-9305	15.81524	-0.49591	0.553153	-0.89652	0.369975	0.519482	chr2	93058243	93058456	+	0	NA	Intergeni	ALR/Alpha	1117216	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-258	19.0197	-0.45524	0.507943	-0.89624	0.370127	0.519482	chr19	25896563	25897549	+	0	NA	Intergeni	ALR/Alpha	-1733609	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4366	15.26084	-0.51178	0.57143	-0.89562	0.370457	0.519691	chr9	43665535	43666444	+	0	NA	Intergeni	ALR/Alpha	539823	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-253	34.01282	-0.34611	0.38678	-0.89486	0.37086	0.519691	chr19	25330858	25331087	+	0	NA	Intergeni	ALR/Alpha	-1167525	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo

chr20-270	18.99799	-0.45359	0.507057	-0.89455	0.371028	0.519691	chr20	27010125	27012140	+	0	NA	Intergeni	ALR/Alpha	-801899	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-244	15.72286	-0.49813	0.556863	-0.89454	0.371035	0.519691	chr17	24416819	24417018	+	0	NA	Intergeni	ALR/Alpha	1893807	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-252	15.72286	-0.49813	0.556863	-0.89454	0.371035	0.519691	chr17	25211314	25211808	+	0	NA	Intergeni	ALR/Alpha	1877680	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1247	36.76641	-0.33332	0.372958	-0.89372	0.371472	0.520091	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3222246	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	15.79354	-0.49398	0.553313	-0.89276	0.371986	0.520598	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3184691	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-512	15.32874	-0.51279	0.574722	-0.89224	0.372262	0.520771	chr11	51234761	51235677	+	0	NA	Intergeni	ALR/Alpha	826072	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1246	53.88029	-0.28642	0.3213	-0.89144	0.372695	0.521164	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3167800	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9450	15.31261	-0.50003	0.562175	-0.88946	0.373755	0.522282	chr2	94501867	94502562	+	0	NA	Intergeni	ALR/Alpha	84969	NR_024443	1E+08	Hs.645503	NR_024443	ENSG00000	LOC100133	-	methylene	pseudo
chr20-265	18.90561	-0.45543	0.512075	-0.88938	0.373799	0.522282	chr20	26557541	26559101	+	0	NA	Intergeni	ALR/Alpha	-349088	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1217	51.37768	-0.28998	0.326312	-0.88866	0.374184	0.522607	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	256140	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-113	30.82728	-0.35896	0.404293	-0.88788	0.374608	0.522986	chr22	11368760	11371503	+	0	NA	Intergeni	ALR/Alpha	-408602	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr1-1233	26.92874	-0.38687	0.436019	-0.88728	0.37493	0.523222	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1878537	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-107	15.29091	-0.49803	0.561755	-0.88657	0.375311	0.523541	chr21	10782326	10793392	+	0	NA	Intergeni	ALR/Alpha	266345	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr8-4583	18.49536	-0.45587	0.514563	-0.88593	0.375653	0.523804	chr8	45835192	45835535	+	0	NA	Intergeni	ALR/Alpha	782280	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr21-911	15.24472	-0.49918	0.563754	-0.88546	0.37591	0.52395	chr21	9118416	9119046	+	0	NA	intron (N	MER57A1|L	11030	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr13-171	17.71447	-0.4769	0.539212	-0.88445	0.376456	0.524497	chr13	17147317	17147694	+	0	NA	Intergeni	ALR/Alpha	-1047792	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-284	19.5741	-0.44403	0.502509	-0.88362	0.376899	0.524525	chr20	28402493	28402701	+	0	NA	Intergeni	ALR/Alpha	200068	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-114	21.6809	-0.42124	0.476871	-0.88334	0.37705	0.524525	chr22	11466744	11493678	+	0	NA	Intergeni	Tigger1|D	-417195	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-150	21.6809	-0.42124	0.476871	-0.88334	0.37705	0.524525	chr22	15054057	15054297	+	0	NA	Intergeni	ALR/Alpha	-473982	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr11-527	16.25277	-0.48628	0.550665	-0.88308	0.377194	0.524525	chr11	52772891	52773111	+	0	NA	Intergeni	ALR/Alpha	1830997	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-298	46.63694	-0.29627	0.335533	-0.88299	0.377242	0.524525	chr20	29884986	29886222	+	0	NA	Intergeni	ALR/Alpha	-5141	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr19-253	95.48595	-0.22648	0.257169	-0.88066	0.378503	0.526066	chr19	25316739	25316983	+	0	NA	Intergeni	ALR/Alpha	-1153414	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-276	18.49815	-0.45159	0.512965	-0.88034	0.378673	0.526088	chr20	27603384	27603668	+	0	NA	Intergeni	ALR/Alpha	999139	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-265	21.6592	-0.41979	0.477192	-0.87971	0.379015	0.526272	chr20	26551030	26551655	+	0	NA	Intergeni	ALR/Alpha	-342109	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-269	31.74573	-0.35508	0.40379	-0.87937	0.379201	0.526272	chr19	26965786	26967996	+	0	NA	Intergeni	ALR/Alpha	-826540	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-530	27.50205	-0.38393	0.436652	-0.87925	0.379266	0.526272	chr11	53099267	53099525	+	0	NA	Intergeni	ALR/Alpha	1504602	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1236	28.12546	-0.3707	0.422081	-0.87826	0.379801	0.526445	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2116354	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9343	18.54435	-0.45068	0.513181	-0.87821	0.37983	0.526445	chr2	93432421	93432801	+	0	NA	Intergeni	ALR/Alpha	775808	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-271	56.945	-0.27117	0.308793	-0.87817	0.379851	0.526445	chr19	27187513	27187794	+	0	NA	Intergeni	ALR/Alpha	-605778	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-8578	15.84252	-0.48784	0.555993	-0.87742	0.380261	0.526798	chr8	85788548	85788747	+	0	NA	Intergeni	L1PA5|LIN	2721	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr1-1245	23.83558	-0.40775	0.464917	-0.87703	0.380471	0.526876	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3074632	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-256	21.6375	-0.41834	0.478275	-0.87469	0.381741	0.528422	chr19	25694265	25694501	+	0	NA	Intergeni	ALR/Alpha	-1530936	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-257	24.3883	-0.39417	0.450935	-0.87412	0.382052	0.528639	chr19	25766146	25766379	+	0	NA	Intergeni	ALR/Alpha	-1602815	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-6042	18.91119	-0.44699	0.512661	-0.87191	0.383257	0.529942	chr7	60421222	60421497	+	0	NA	Intergeni	ALR/Alpha	2882697	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr17-232	80.89192	-0.23554	0.270169	-0.87183	0.383303	0.529942	chr17	23255947	23256199	+	0	NA	Intergeni	ALR/Alpha	732962	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-404	30.41982	-0.35514	0.407546	-0.87141	0.383532	0.530045	chr10	40408276	40409172	+	0	NA	Intergeni	ALR/Alpha	1712128	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-519	21.24896	-0.41943	0.481626	-0.87087	0.383827	0.530238	chr11	51951183	51951777	+	0	NA	Intergeni	ALR/Alpha	1542333	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1229	96.51565	-0.21735	0.249853	-0.86992	0.384345	0.53074	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1392312	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1239	15.272	-0.49086	0.564702	-0.86923	0.384721	0.530832	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2388316	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-357	15.272	-0.49086	0.564702	-0.86923	0.384721	0.530832	chr12	35721680	35722161	+	0	NA	Intergeni	ALR/Alpha	1699424	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-267	18.02001	-0.4512	0.519525	-0.86849	0.385125	0.531175	chr19	26778873	26779725	+	0	NA	Intergeni	ALR/Alpha	-1014132	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4813	43.26663	-0.3031	0.349416	-0.86745	0.385694	0.531746	chr5	48137411	48138016	+	0	NA	Intergeni	ALR/Alpha	2303575	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9267	25.35295	-0.38744	0.447208	-0.86635	0.386299	0.532365	chr2	92677643	92678079	+	0	NA	Intergeni	ALR/Alpha	736728	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-258	18.47924	-0.44563	0.514716	-0.86578	0.386611	0.532581	chr19	25849171	25850610	+	0	NA	Intergeni	ALR/Alpha	-1686443	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1225	17.99831	-0.44948	0.519583	-0.86509	0.386992	0.532698	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	994655	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-260	40.65441	-0.30864	0.356884	-0.86482	0.387135	0.532698	chr19	26008797	26009053	+	0	NA	Intergeni	ALR/Alpha	-1784506	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1243	18.06621	-0.45027	0.520683	-0.86478	0.387162	0.532698	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2854765	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1234	24.36939	-0.3896	0.451813	-0.86231	0.388515	0.534125	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1955458	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	17.4467	-0.45727	0.530396	-0.86214	0.388612	0.534125	chr10	40455256	40456476	+	0	NA	Intergeni	ALR/Alpha	1759270	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-286	15.98996	0.481914	0.559335	0.861584	0.388916	0.534125	chr20	28648819	28649077	+	0	NA	Intergeni	ALR/Alpha	-46283	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-4512	18.57163	-0.4438	0.515149	-0.8615	0.388964	0.534125	chr9	45123631	45123907	+	0	NA	Intergeni	ALR/Alpha	1997603	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-4495	15.29649	-0.48766	0.566079	-0.86147	0.388979	0.534125	chr8	44958106	44958781	+	0	NA	Intergeni	ALR/Alpha	1659200	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr20-278	15.84531	-0.48266	0.560555	-0.86105	0.389212	0.534231	chr20	27868097	27868349	+	0	NA	Intergeni	ALR/Alpha	734442	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr13-163	19.32144	-0.4466	0.519761	-0.85924	0.390207	0.535382	chr13	16382915	16383279	+	0	NA	Intergeni	ALR/Alpha	-1812200	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-235	15.70674	-0.4859	0.566096	-0.85834	0.390704	0.535849	chr17	23500246	23500455	+	0	NA	Intergeni	ALR/Alpha	977239	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr20-264	17.49568	-0.45176	0.526689	-0.85773	0.391043	0.536099	chr20	26461075	26463277	+	0	NA	Intergeni	ALR/Alpha	-252943	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-241	37.3492	-0.3203	0.373559	-0.85744	0.391204	0.536105	chr17	24187507	24188830	+	0	NA	Intergeni	ALR/Alpha	1665057	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4939	27.25877	-0.36904	0.431195	-0.85584	0.392084	0.537097	chr5	49399550	49399891	+	0	NA	Intergeni	ALR/Alpha	1041568	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-254	45.61556	-0.29041	0.339446	-0.85554	0.39225	0.53711	chr19	25463404	25465429	+	0	NA	Intergeni	ALR/Alpha	-1300969	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4443	18.66122	-0.44619	0.521982	-0.85479	0.392667	0.537464	chr9	44430272	44430567	+	0	NA	Intergeni	ALR/Alpha	1304253	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4940	29.22979	-0.35687	0.417635	-0.85451	0.392822	0.537464	chr5	49408811	49410198	+	0	NA	Intergeni	ALR/Alpha	1031784	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1225	20.20029	-0.41879	0.492755	-0.8499	0.395381	0.540335	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1000348	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1225	20.20029	-0.41879	0.492755	-0.8499	0.395381	0.540335	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1034655	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-263	23.98364	-0.38671	0.455019	-0.84988	0.395394	0.540335	chr19	26360670	26360900	+	0	NA	Intergeni	ALR/Alpha	-1432646	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-6148	20.7519	-0.413	0.486299	-0.84927	0.395731	0.54058	chr7	61480719	61481047	+	0	NA	Intergeni	ALR/Alpha	1823173	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr1-1246	26.13942	-0.36905	0.436016	-0.8464	0.397327	0.542531	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3153053	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-111	20.8198	-0.41371	0.489093	-0.84588	0.39762	0.542531	chr21	11110946	11111261	+	0	NA	Intergeni	ALR/Alpha	589589	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr8-4586	17.01754	-0.45136	0.53379	-0.84557	0.397793	0.542531	chr8	45865039	45865331	+	0	NA	Intergeni	ALR/Alpha	752458	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr8-8573	17.01754	-0.45136	0.53379	-0.84557	0.397793	0.542531	chr8	85738862	85741293	+	0	NA	Intergeni	L1PA5|LIN	3779	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr17-259	66.32517	-0.24614	0.291684	-0.84387	0.398742	0.543418	chr17	25972476	25972708	+	0	NA	Intergeni	ALR/Alpha	1116649	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-269	36.5928	-0.32585	0.386153	-0.84384	0.39876	0.543418	chr19	26958351	26958557	+	0	NA	Intergeni	ALR/Alpha	-834977	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1227	23.48101	-0.38709	0.459194	-0.84299	0.399235	0.543616	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1279572	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4983	20.63782	-0.41303	0.490015	-0.8429	0.399286	0.543616	chr5	49836073	49836290	+	0	NA	Intergeni	ALR/Alpha	605107	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4732	17.47677	-0.44547	0.528609	-0.84273	0.399382	0.543616	chr5	47325457	47327906	+	0	NA	Intergeni	ALR/Alpha	-1630301	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr2-9246	19.69766	-0.42006	0.499789	-0.84047	0.400643	0.544669	chr2	92467400	92469170	+	0	NA	Intergeni	ALR/Alpha	527152	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1228	16.49042	-0.45673	0.543611	-0.84019	0.400804	0.544669	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1307635	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5905	16.49042	-0.45673	0.543611	-0.84019	0.400804	0.544669	chr6	59059593	59060574	+	0	NA	Intergeni	ALR/Alpha	-1098637	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr11-520	17.04203	-0.44856	0.533986	-0.84002	0.4009	0.544669	chr11	52070622	52070907	+	0	NA	Intergeni	ALR/Alpha	1661617	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr18-180	22.95388	-0.38956	0.463808	-0.83992	0.40095	0.544669	chr18	18045571	18046650	+	0	NA	Intergeni	ALR/Alpha	-2720191	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr11-515	26.4328	-0.37334	0.444792	-0.83935	0.401272	0.544751	chr11	51577197	51577483	+	0	NA	Intergeni	ALR/Alpha	1168193	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1233	19.10154	-0.43472	0.517991	-0.83925	0.401329	0.544751	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1827060	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-252	19.72215	-0.41762	0.498387	-0.83794	0.402063	0.545462	chr17	25280598	25281513	+	0	NA	Intergeni	ALR/Alpha	1808186	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-405	31.66831	-0.33633	0.401464	-0.83775	0.402171	0.545462	chr10	40512473	40513364	+	0	NA	Intergeni	ALR/Alpha	1816322	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-799	16.46872	-0.45485	0.543182	-0.83737	0.402382	0.545533	chr21	7999241	7999715	+	0	NA	Intergeni	ALR/Alpha	-169846	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr19-258	17.02033	-0.44674	0.534089	-0.83645	0.402904	0.545664	chr19	25840983	25842311	+	0	NA	Intergeni	ALR/Alpha	-1678200	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-120	17.02033	-0.44674	0.534089	-0.83645	0.402904	0.545664	chr21	12011964	12012252	+	0	NA	Intergeni	ALR/Alpha	-1026058	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1245	16.87896	-0.45441	0.543322	-0.83635	0.402957	0.545664	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3036180	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	19.62977	-0.41933	0.502072	-0.83519	0.403611	0.545965	chr20	28506838	28508077	+	0	NA	Intergeni	ALR/Alpha	95208	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr12-354	16.85447	-0.45736	0.54764	-0.83515	0.403636	0.545965	chr12	35466939	35467295	+	0	NA	Intergeni	ALR/Alpha	1444621	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4920	51.2246	-0.26903	0.32215	-0.83511	0.403657	0.545965	chr5	49203138	49203429	+	0	NA	Intergeni	ALR/Alpha	1238005	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1228	17.54745	-0.44175	0.529474	-0.83432	0.404101	0.54635	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1358190	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5981	20.6868	-0.40839	0.489877	-0.83365	0.404479	0.546389	chr7	59816742	59817055	+	0	NA	Intergeni	ALR/Alpha	2366721	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr12-363	16.5611	-0.45282	0.543255	-0.83353	0.404547	0.546389	chr12	36367144	36367464	+	0	NA	Intergeni	ALR/Alpha	-1949470	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCN	ALG10 alp	protein-coding
chr19-270	17.38438	-0.44733	0.536745	-0.83342	0.404609	0.546389	chr19	27082440	27082689	+	0	NA	Intergeni	ALR/Alpha	-710867	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-415	16.44702	-0.45297	0.543873	-0.83287	0.40492	0.546454	chr10	41509557	41510577	+	0	NA	Intergeni	ALR/Alpha	857978	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr18-173	17.06652	-0.44574	0.53525	-0.83277	0.404975	0.546454	chr18	17339440	17339681	+	0	NA	Intergeni	ALR/Alpha	-2013641	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr11-529	139.1877	-0.17989	0.216628	-0.83041	0.406306	0.548033	chr11	52975097	52975357	+	0	NA	Intergeni	ALR/Alpha	1628771	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4998	34.3568	-0.32052	0.386302	-0.82972	0.406698	0.548346	chr5	49984594	49984853	+	0	NA	Intergeni	ALR/Alpha	456565	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-522	22.38336	-0.38932	0.469505	-0.82921	0.406983	0.548511	chr11	52242209	52242646	+	0	NA	Intergeni	ALR/Alpha	1833280	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1229	17.59364	-0.44073	0.531685	-0.82893	0.407146	0.548511	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1420572	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-276	17.47956	-0.44087	0.53203	-0.82865	0.4073	0.548511	chr20	27669318	27669731	+	0	NA	Intergeni	ALR/Alpha	933141	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1225	15.96609	-0.45752	0.552641	-0.82789	0.407734	0.548878	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	998061	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-229	19.15163	-0.41811	0.50674	-0.8251	0.409315	0.550791	chr17	22933810	22934132	+	0	NA	Intergeni	ALR/Alpha	410860	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-409	22.08061	-0.40513	0.491448	-0.82436	0.409737	0.551142	chr10	40931743	40931975	+	0	NA	Intergeni	ALR/Alpha	1436186	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1217	21.92413	-0.39273	0.476931	-0.82345	0.410252	0.551514	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	251070	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	27.95286	-0.35354	0.42954	-0.82305	0.410477	0.551514	chr10	40802241	40802512	+	0	NA	Intergeni	ALR/Alpha	1565669	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4936	31.03268	-0.33212	0.403542	-0.82302	0.410496	0.551514	chr5	49366304	49368491	+	0	NA	Intergeni	ALR/Alpha	1073891	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-271	25.11525	-0.36462	0.444175	-0.8209	0.411706	0.552905	chr19	27141622	27143552	+	0	NA	Intergeni	ALR/Alpha	-650844	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr3-9112	36.10234	-0.31038	0.378353	-0.82034	0.412021	0.552905	chr3	91126963	91127440	+	0	NA	Intergeni	ALR/Alpha	2019580	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|H	EPH recep	protein-coding
chr1-1226	19.20061	-0.41313	0.503772	-0.82007	0.412177	0.552905	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1118084	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-432	19.20061	-0.41313	0.503772	-0.82007	0.412177	0.552905	chr17	43288086	43289096	+	0	NA	Intergeni	AluJb|SIN	-4262	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr7-5920	16.4743	-0.44529	0.543786	-0.81888	0.412857	0.5536	chr7	59206521	59208147	+	0	NA	Intergeni	ALR/Alpha	1757157	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1240	22.41064	-0.38366	0.468814	-0.81837	0.413147	0.553678	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2522543	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-8579	15.99337	-0.4496	0.549554	-0.81812	0.413288	0.553678	chr8	85797708	85801477	+	0	NA	Intergeni	L1PA5|LIN	3969	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr1-1217	18.71689	-0.42024	0.51379	-0.81792	0.4134	0.553678	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	234756	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-262	19.70603	-0.408	0.499455	-0.8169	0.413988	0.554133	chr19	26253320	26254800	+	0	NA	Intergeni	ALR/Alpha	-1539371	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-263	71.27958	-0.22942	0.280972	-0.81653	0.414199	0.554133	chr19	26385323	26385748	+	0	NA	Intergeni	ALR/Alpha	-1407896	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4734	24.56364	-0.36844	0.451312	-0.81637	0.414287	0.554133	chr5	47345200	47346876	+	0	NA	Intergeni	ALR/Alpha	-1649658	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr8-4518	15.48795	-0.45725	0.560268	-0.81613	0.414427	0.554133	chr8	45186561	45186926	+	0	NA	Intergeni	ALR/Alpha	1430900	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr5-4771	27.98014	-0.34886	0.427567	-0.81592	0.414548	0.554133	chr5	47713105	47713351	+	0	NA	Intergeni	ALR/Alpha	-2016848	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1237	18.649	-0.41944	0.514491	-0.81525	0.414928	0.554424	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2252087	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5913	15.51244	-0.45415	0.558535	-0.81312	0.416152	0.555843	chr7	59134116	59134423	+	0	NA	Intergeni	ALR/Alpha	1684092	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-260	15.97167	-0.44767	0.550883	-0.81263	0.416427	0.555943	chr19	26018229	26018464	+	0	NA	Intergeni	ALR/Alpha	-1775085	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA

chr19-252	16.49879	-0.44238	0.54452	-0.81242	0.416552	0.555943	chr19	25272374	25273031	+	0	NA	Intergeni	ALR/Alpha	-1109255	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1245	33.21575	-0.31806	0.39203	-0.81133	0.417177	0.556373	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3042347	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-349	19.2034	-0.40902	0.504542	-0.81068	0.417547	0.556373	chr12	34952200	34954363	+	0	NA	Intergeni	ALR/Alpha	930785	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr11-514	18.74417	-0.41342	0.5102	-0.81031	0.417763	0.556373	chr11	51424567	51425380	+	0	NA	Intergeni	ALR/Alpha	1015826	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1233	15.49074	-0.45216	0.558113	-0.81016	0.417848	0.556373	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1815473	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-415	15.49074	-0.45216	0.558113	-0.81016	0.417848	0.556373	chr10	41563244	41566698	+	0	NA	Intergeni	ALR/Alpha	803074	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-162	15.49074	-0.45216	0.558113	-0.81016	0.417848	0.556373	chr13	16250294	16253530	+	0	NA	Intergeni	ALR/Alpha	-1943385	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1225	15.44454	-0.45325	0.56065	-0.80845	0.418834	0.55719	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1072922	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4433	15.44454	-0.45325	0.56065	-0.80845	0.418834	0.55719	chr8	44337474	44338946	+	0	NA	Intergeni	ALR/Alpha	1045768	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr2-9309	16.61287	-0.44216	0.547295	-0.8079	0.419146	0.55719	chr2	93091154	93091381	+	0	NA	Intergeni	ALR/Alpha	1117152	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr5-4903	22.41343	-0.3801	0.470574	-0.80773	0.419244	0.55719	chr5	49030698	49031399	+	0	NA	Intergeni	ALR/Alpha	1410240	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-266	24.1723	-0.37195	0.460521	-0.80768	0.419275	0.55719	chr19	26682633	26682832	+	0	NA	Intergeni	ALR/Alpha	-1110699	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-5046	15.99616	-0.44468	0.551029	-0.80701	0.419662	0.557489	chr4	50466450	50466823	+	0	NA	Intergeni	ALR/Alpha	-1376364	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr5-4930	35.42052	-0.3067	0.380615	-0.80581	0.420353	0.557925	chr5	49304347	49305347	+	0	NA	Intergeni	ALR/Alpha	1136441	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-729	15.46903	-0.45017	0.558914	-0.80544	0.420564	0.557925	chr21	7291506	7292108	+	0	NA	Intergeni	ALR/Alpha	-138830	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr17-228	15.51523	-0.4491	0.557619	-0.80539	0.420596	0.557925	chr17	22863386	22864343	+	0	NA	Intergeni	ALR/Alpha	340753	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4921	39.32074	-0.29563	0.367286	-0.80489	0.420882	0.557925	chr5	49218769	49219002	+	0	NA	Intergeni	ALR/Alpha	1222403	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1249	73.95802	-0.22878	0.284352	-0.80456	0.421071	0.557925	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3394913	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1225	19.1817	-0.40737	0.506383	-0.80446	0.42113	0.557925	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1078346	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-250	19.1817	-0.40737	0.506383	-0.80446	0.42113	0.557925	chr19	25069251	25069463	+	0	NA	Intergeni	ALR/Alpha	-905910	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4901	16.28563	-0.46669	0.580365	-0.80413	0.421324	0.557966	chr5	49014486	49014703	+	0	NA	Intergeni	ALR/Alpha	1426694	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-5065	15.03151	-0.45909	0.571198	-0.80373	0.421553	0.558053	chr4	50653424	50653690	+	0	NA	Intergeni	ALR/Alpha	-1189443	NM_015115	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr19-252	21.40538	-0.38433	0.478652	-0.80295	0.422005	0.558436	chr19	25225896	25226959	+	0	NA	Intergeni	ALR/Alpha	-1062980	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4735	27.27662	-0.3437	0.429169	-0.80086	0.423215	0.559821	chr5	47359728	47360728	+	0	NA	Intergeni	ALR/Alpha	-1663848	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-253	34.43417	-0.30827	0.385085	-0.80051	0.423413	0.559866	chr17	25359989	25360417	+	0	NA	Intergeni	ALR/Alpha	1729038	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-122	15.0343	-0.45378	0.567627	-0.79944	0.424036	0.560377	chr21	12226050	12226794	+	0	NA	Intergeni	ALR/Alpha	-811744	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-104	18.81485	-0.41001	0.513032	-0.79919	0.424181	0.560377	chr21	10457795	10458386	+	0	NA	intron (N	intron (N	44558	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr9-6382	18.17365	-0.41379	0.517886	-0.799	0.42429	0.560377	chr9	63828119	63828793	+	0	NA	Intergeni	Intergeni	-8802	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr11-523	33.42501	-0.31475	0.394532	-0.79777	0.425002	0.561101	chr11	52323112	52323363	+	0	NA	Intergeni	ALR/Alpha	1914090	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-249	15.0126	-0.45172	0.566568	-0.7973	0.425279	0.56125	chr19	24922027	24925960	+	0	NA	Intergeni	ALR/Alpha	-760546	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-1759	31.65609	-0.32137	0.403269	-0.7969	0.425506	0.561322	chr5	17595475	17596280	+	0	NA	Intergeni	Charlie2a	59761	NM_001355	391769		NM_001355	ENSG00000	H3.Y	-	histone c	protein-coding
chr19-246	26.31086	-0.35591	0.446763	-0.79664	0.425661	0.561322	chr19	24642615	24642885	+	0	NA	Intergeni	ALR/Alpha	-479303	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-6035	36.61445	-0.29923	0.375846	-0.79616	0.425938	0.561471	chr7	60350305	60350601	+	0	NA	Intergeni	ALR/Alpha	2900276	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-518	18.19814	-0.41118	0.516712	-0.79577	0.426167	0.561556	chr11	51809660	51810920	+	0	NA	Intergeni	ALR/Alpha	1401143	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-403	17.73612	-0.42049	0.53009	-0.79324	0.427638	0.563125	chr10	40377877	40379220	+	0	NA	Intergeni	ALR/Alpha	1681952	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr8-4532	20.94894	-0.38393	0.484056	-0.79316	0.427686	0.563125	chr8	45327990	45329357	+	0	NA	Intergeni	ALR/Alpha	1288970	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr1-1238	30.97037	-0.32616	0.41157	-0.79249	0.428076	0.563386	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2371184	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4574	17.69272	-0.41682	0.526122	-0.79225	0.428213	0.563386	chr8	45747859	45748224	+	0	NA	Intergeni	ALR/Alpha	869602	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr2-9232	15.03709	-0.44856	0.566654	-0.7916	0.428594	0.56367	chr2	92329878	92330566	+	0	NA	Intergeni	ALR/Alpha	389089	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4896	29.59826	-0.32549	0.412335	-0.78937	0.429895	0.565165	chr5	48960928	48961191	+	0	NA	Intergeni	ALR/Alpha	1480229	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-276	29.02495	-0.32691	0.415556	-0.78669	0.431466	0.567012	chr20	27654057	27654612	+	0	NA	Intergeni	ALR/Alpha	948331	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-259	50.44087	-0.25495	0.324943	-0.78461	0.432683	0.568378	chr19	25929996	25930244	+	0	NA	Intergeni	ALR/Alpha	-1766673	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1229	23.10473	-0.36429	0.464447	-0.78435	0.432837	0.568378	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1410581	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-246	29.04944	-0.32528	0.415308	-0.78322	0.433496	0.568958	chr19	24605343	24605546	+	0	NA	Intergeni	ALR/Alpha	-441997	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-411	21.45715	-0.37619	0.480428	-0.78303	0.43361	0.568958	chr10	41131045	41131285	+	0	NA	Intergeni	ALR/Alpha	1236880	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4860	23.61294	-0.35764	0.457327	-0.78201	0.434207	0.569523	chr5	48603204	48605281	+	0	NA	Intergeni	ALR/Alpha	1837046	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-415	17.76619	-0.40877	0.523847	-0.78031	0.435206	0.570204	chr10	41586835	41587134	+	0	NA	Intergeni	ALR/Alpha	781061	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-265	54.1797	-0.25351	0.324879	-0.78031	0.435206	0.570204	chr19	26505417	26505643	+	0	NA	Intergeni	ALR/Alpha	-1287901	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1229	23.10752	-0.36082	0.462418	-0.78028	0.435225	0.570204	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1417205	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-369	17.69829	-0.40791	0.523768	-0.77881	0.436093	0.571122	chr16	36907498	36908263	+	0	NA	Intergeni	ALR/Alpha	1161328	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr5-4850	18.75254	-0.40065	0.515299	-0.77751	0.436855	0.571487	chr5	48500661	48501011	+	0	NA	Intergeni	ALR/Alpha	1940452	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-411	20.90833	-0.37713	0.48513	-0.77738	0.436932	0.571487	chr10	41196882	41197538	+	0	NA	Intergeni	ALR/Alpha	1170835	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr18-204	30.79219	-0.31572	0.40632	-0.77703	0.437144	0.571487	chr18	20487258	20487596	+	0	NA	Intergeni	ALR/Alpha	624386	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-269	36.73969	-0.29047	0.373932	-0.77679	0.43728	0.571487	chr19	26924420	26925725	+	0	NA	Intergeni	ALR/Alpha	-868359	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-413	17.26077	-0.41449	0.533685	-0.77666	0.437358	0.571487	chr10	41313922	41314245	+	0	NA	Intergeni	ALR/Alpha	1053962	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-271	49.59208	-0.25859	0.33303	-0.77648	0.437467	0.571487	chr19	27105823	27106075	+	0	NA	Intergeni	ALR/Alpha	-687482	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1246	17.23907	-0.41264	0.531651	-0.77616	0.437657	0.571487	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3093864	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-246	23.68362	-0.35497	0.457515	-0.77588	0.437823	0.571487	chr19	24683096	24683388	+	0	NA	Intergeni	ALR/Alpha	-519795	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-265	19.8702	-0.39214	0.505477	-0.77579	0.437873	0.571487	chr17	26572169	26573469	+	0	NA	Intergeni	ALR/Alpha	516422	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr7-5939	17.17117	-0.41177	0.532128	-0.77381	0.439042	0.572622	chr7	59393778	59394104	+	0	NA	Intergeni	ALR/Alpha	1943764	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9278	14.9953	0.443525	0.573374	0.773534	0.439206	0.572622	chr2	92783363	92783638	+	0	NA	Intergeni	ALR/Alpha	842367	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-247	22.6021	-0.36423	0.470905	-0.77347	0.439244	0.572622	chr19	24728178	24728395	+	0	NA	Intergeni	ALR/Alpha	-564839	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-5952	31.2787	-0.31035	0.401583	-0.77283	0.439625	0.572901	chr7	59526119	59527087	+	0	NA	Intergeni	ALR/Alpha	2076426	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr16-370	20.33501	-0.38042	0.493347	-0.77111	0.440643	0.573797	chr16	37073734	37073999	+	0	NA	Intergeni	ALR/Alpha	1327314	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr10-414	15.06437	-0.44008	0.570925	-0.77082	0.440814	0.573797	chr10	41444483	41444691	+	0	NA	Intergeni	ALR/Alpha	923458	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-515	25.28779	-0.34305	0.44505	-0.77082	0.440816	0.573797	chr11	51540297	51540501	+	0	NA	Intergeni	ALR/Alpha	1131252	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-267	35.45338	-0.29823	0.387795	-0.76903	0.441873	0.574955	chr19	26772790	26773032	+	0	NA	Intergeni	ALR/Alpha	-1020520	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-407	20.51978	-0.37733	0.491427	-0.76782	0.442593	0.575578	chr10	40766237	40766496	+	0	NA	Intergeni	ALR/Alpha	1601679	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9255	21.80999	0.368024	0.479409	0.767662	0.442688	0.575578	chr2	92558764	92559062	+	0	NA	Intergeni	ALR/Alpha	617780	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-260	33.87201	-0.2997	0.390816	-0.76685	0.443169	0.575586	chr17	26067649	26068068	+	0	NA	Intergeni	ALR/Alpha	1021383	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr12-350	14.99647	-0.43908	0.572612	-0.76681	0.443196	0.575586	chr12	35007838	35008125	+	0	NA	Intergeni	ALR/Alpha	985485	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr20-285	25.33678	-0.33927	0.442453	-0.7668	0.443198	0.575586	chr20	28517295	28520720	+	0	NA	Intergeni	ALR/Alpha	83658	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-514	28.09037	-0.32322	0.421849	-0.76619	0.443564	0.575844	chr11	51409752	51409974	+	0	NA	Intergeni	ALR/Alpha	1000716	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1227	17.17396	-0.4072	0.531959	-0.76547	0.443991	0.576027	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1210978	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-271	23.11309	-0.35396	0.462463	-0.76539	0.444042	0.576027	chr19	27172150	27174474	+	0	NA	Intergeni	ALR/Alpha	-620119	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1235	54.00152	-0.24774	0.324475	-0.76352	0.445156	0.577198	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2005530	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-230	19.80789	-0.38314	0.501954	-0.76331	0.445281	0.577198	chr17	23037634	23038344	+	0	NA	Intergeni	ALR/Alpha	514878	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4738	37.42262	-0.2895	0.379702	-0.76243	0.4458	0.577652	chr5	47388524	47388961	+	0	NA	Intergeni	ALR/Alpha	-1692362	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-173	21.39204	-0.37151	0.487478	-0.7621	0.445998	0.57769	chr14	17392954	17393172	+	0	NA	Intergeni	ALR/Alpha	-1208054	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr2-9285	19.41934	-0.38345	0.503651	-0.76133	0.446458	0.577768	chr2	92854553	92855098	+	0	NA	Intergeni	ALR/Alpha	913692	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr3-9079	19.37315	-0.38429	0.505055	-0.76088	0.446729	0.577768	chr3	90797409	90798741	+	0	NA	Intergeni	ALR/Alpha	1690454	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr13-176	16.62235	-0.41406	0.54447	-0.76049	0.446963	0.577768	chr13	17652186	17652619	+	0	NA	Intergeni	ALR/Alpha	-542895	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-278	19.85687	-0.37832	0.497559	-0.76035	0.447048	0.577768	chr20	27806850	27808132	+	0	NA	Intergeni	ALR/Alpha	795174	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-411	16.73922	-0.40921	0.538231	-0.76029	0.44708	0.577768	chr10	41198583	41198813	+	0	NA	Intergeni	ALR/Alpha	1169347	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-264	16.73922	-0.40921	0.538231	-0.76029	0.44708	0.577768	chr19	26473397	26474248	+	0	NA	Intergeni	ALR/Alpha	-1319609	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-268	54.83986	-0.23874	0.31412	-0.76003	0.447239	0.577768	chr19	26802680	26802901	+	0	NA	Intergeni	ALR/Alpha	-990641	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-250	68.20984	-0.21705	0.285797	-0.75945	0.447582	0.577993	chr17	25074314	25074655	+	0	NA	Intergeni	ALR/Alpha	2014757	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1246	30.77886	-0.30682	0.405051	-0.75747	0.448766	0.579022	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3140880	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1237	27.58774	-0.3224	0.425722	-0.7573	0.448871	0.579022	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2204049	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4774	22.65666	-0.35296	0.466096	-0.75727	0.44889	0.579022	chr5	47741355	47743111	+	0	NA	Intergeni	ALR/Alpha	-2045853	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4948	38.90385	-0.27783	0.367015	-0.75699	0.449055	0.579022	chr5	49485151	49485373	+	0	NA	Intergeni	ALR/Alpha	956026	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4763	24.90204	-0.33939	0.448553	-0.75664	0.449266	0.579077	chr5	47636194	47636479	+	0	NA	Intergeni	ALR/Alpha	-1939956	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-259	24.88034	-0.33808	0.447162	-0.75605	0.449618	0.579313	chr19	25956142	25957298	+	0	NA	Intergeni	ALR/Alpha	-1793273	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-138	16.76372	-0.40639	0.538426	-0.75478	0.450382	0.580078	chr22	13883067	13883296	+	0	NA	Intergeni	ALR/Alpha	-1644978	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1240	25.27167	-0.33546	0.444898	-0.75402	0.450836	0.580445	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2513056	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4947	22.63495	-0.35155	0.466751	-0.75318	0.451341	0.580877	chr5	49479029	49480033	+	0	NA	Intergeni	ALR/Alpha	961757	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4863	20.3161	-0.3749	0.498071	-0.7527	0.451631	0.581032	chr5	48633171	48633407	+	0	NA	Intergeni	ALR/Alpha	1807999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4979	15.5714	0.424418	0.564115	0.752361	0.451834	0.581075	chr5	49793810	49794063	+	0	NA	Intergeni	ALR/Alpha	647352	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9263	16.1904	-0.41142	0.547556	-0.75137	0.45243	0.581467	chr2	92636122	92639417	+	0	NA	Intergeni	ALR/Alpha	696636	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1240	17.65768	-0.39974	0.532074	-0.75129	0.452479	0.581467	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2559029	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	46.02357	-0.25652	0.341972	-0.75012	0.453185	0.58207	chr10	40893772	40893972	+	0	NA	Intergeni	ALR/Alpha	1474173	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-6046	15.38502	-0.43638	0.582215	-0.74951	0.453549	0.58207	chr7	60466237	60466455	+	0	NA	Intergeni	ALR/Alpha	2837710	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr11-522	18.87052	-0.38474	0.513381	-0.74942	0.453602	0.58207	chr11	52254101	52254848	+	0	NA	Intergeni	ALR/Alpha	1845327	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-261	19.42492	-0.37531	0.500821	-0.74938	0.453627	0.58207	chr19	26137593	26138629	+	0	NA	Intergeni	ALR/Alpha	-1655320	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-232	19.53622	-0.37942	0.506501	-0.74909	0.453801	0.582074	chr17	23267491	23267701	+	0	NA	Intergeni	ALR/Alpha	744485	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr8-4396	23.0235	-0.35175	0.470057	-0.74831	0.454272	0.582325	chr8	43969476	43969734	+	0	NA	Intergeni	ALR/Alpha	677163	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr7-6052	27.08511	-0.32156	0.42999	-0.74782	0.454567	0.582325	chr7	60520974	60523081	+	0	NA	Intergeni	ALR/Alpha	2782029	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr19-258	48.96583	-0.24554	0.328404	-0.74767	0.45466	0.582325	chr19	25874086	25874355	+	0	NA	Intergeni	ALR/Alpha	-1710773	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-268	16.1687	-0.40949	0.547711	-0.74764	0.454675	0.582325	chr19	26858370	26860616	+	0	NA	Intergeni	ALR/Alpha	-933938	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr18-156	17.15505	-0.40071	0.537299	-0.74578	0.4558	0.58345	chr18	15640379	15640626	+	0	NA	Intergeni	ALR/Alpha	-314583	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr11-533	18.34508	-0.39504	0.529888	-0.74552	0.455959	0.58345	chr11	53356187	53356486	+	0	NA	Intergeni	ALR/Alpha	1247662	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-403	22.13232	-0.35116	0.471134	-0.74534	0.456066	0.58345	chr10	40394887	40395161	+	0	NA	Intergeni	ALR/Alpha	1698428	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4666	24.83972	-0.3323	0.446654	-0.74397	0.456895	0.584123	chr5	46669176	46669575	+	0	NA	Intergeni	ALR/Alpha	-972995	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4869	25.41304	-0.33051	0.444293	-0.74391	0.456932	0.584123	chr5	48692741	48692956	+	0	NA	Intergeni	ALR/Alpha	1748440	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-262	27.43025	-0.31995	0.430804	-0.74269	0.457668	0.584684	chr19	26288073	26289753	+	0	NA	Intergeni	ALR/Alpha	-1504518	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1225	21.58071	-0.35511	0.478206	-0.74258	0.457734	0.584684	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1020986	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-405	16.147	-0.40757	0.54904	-0.74234	0.457883	0.584684	chr10	40518205	40518908	+	0	NA	Intergeni	ALR/Alpha	1821960	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-530	41.43028	-0.26542	0.358396	-0.74058	0.458946	0.585823	chr11	53048316	53048555	+	0	NA	Intergeni	ALR/Alpha	1555563	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr18-187	16.21768	-0.40367	0.545794	-0.73961	0.459539	0.586144	chr18	18792892	18793230	+	0	NA	Intergeni	ALR/Alpha	2318752	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr5-4852	16.21768	-0.40367	0.545794	-0.73961	0.459539	0.586144	chr5	48521907	48522106	+	0	NA	Intergeni	ALR/Alpha	1919282	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1226	16.17149	-0.40465	0.547508	-0.73908	0.459858	0.586332	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1173542	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-259	18.80542	-0.37969	0.514925	-0.73737	0.460899	0.586841	chr17	25991437	25991651	+	0	NA	Intergeni	ALR/Alpha	1097697	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chrX-6194	34.08796	-0.28619	0.388141	-0.73734	0.460915	0.586841	chrX	61947184	61947501	+	0	NA	Intergeni	ALR/Alpha	1403990	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding

chr2-9243	15.66607	-0.41076	0.557099	-0.73732	0.460928	0.586841	chr2	92432640	92433299	+	0	NA	Intergeni	ALR/Alpha	491836	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-539	31.58044	-0.3066	0.415861	-0.73727	0.460955	0.586841	chr11	53951923	53952123	+	0	NA	Intergeni	ALR/Alpha	651975	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr7-5895	16.26387	-0.40268	0.54637	-0.73701	0.461114	0.586841	chr7	58956269	58956796	+	0	NA	Intergeni	ALR/Alpha	1506355	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4739	18.90059	-0.37379	0.507581	-0.73641	0.461482	0.587092	chr5	47397705	47397909	+	0	NA	Intergeni	ALR/Alpha	-1701427	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5940	16.02733	-0.41796	0.570191	-0.73301	0.46355	0.589503	chr6	59404658	59405254	+	0	NA	Intergeni	ALR/Alpha	-1443510	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr7-6055	16.14979	-0.40271	0.550025	-0.73216	0.464071	0.589898	chr7	60559487	60560146	+	0	NA	Intergeni	ALR/Alpha	2744240	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr11-520	26.51737	-0.31701	0.4334	-0.73146	0.4645	0.589898	chr11	52071729	52072652	+	0	NA	Intergeni	ALR/Alpha	1663043	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-256	21.72208	-0.34932	0.477615	-0.73138	0.464545	0.589898	chr19	25613373	25613583	+	0	NA	Intergeni	ALR/Alpha	-1450031	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1235	24.36158	-0.32961	0.450677	-0.73138	0.464549	0.589898	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2032161	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-271	15.71505	-0.40473	0.553828	-0.73079	0.464909	0.590136	chr20	27122885	27123784	+	0	NA	Intergeni	ALR/Alpha	-914101	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-232	20.68015	-0.37674	0.516082	-0.72999	0.465395	0.590331	chr17	23207571	23207826	+	0	NA	Intergeni	ALR/Alpha	684587	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4813	21.14876	-0.3518	0.481934	-0.72997	0.465407	0.590331	chr5	48132228	48132427	+	0	NA	Intergeni	ALR/Alpha	2308961	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4768	15.80465	-0.40772	0.55893	-0.72946	0.465721	0.59043	chr5	47683032	47683379	+	0	NA	Intergeni	ALR/Alpha	-1986825	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-268	18.48756	-0.37649	0.516251	-0.72928	0.46583	0.59043	chr19	26861861	26863256	+	0	NA	Intergeni	ALR/Alpha	-930873	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4925	27.04728	-0.31326	0.4304	-0.72784	0.466713	0.591331	chr5	49252151	49252758	+	0	NA	Intergeni	ALR/Alpha	1188834	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4714	21.17325	-0.34957	0.481539	-0.72595	0.46787	0.592578	chr5	47140632	47140896	+	0	NA	Intergeni	ALR/Alpha	-1444384	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-252	66.66413	-0.21017	0.289719	-0.72542	0.468197	0.592773	chr19	25271153	25271389	+	0	NA	Intergeni	ALR/Alpha	-1107824	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr12-372	23.30455	-0.33543	0.463297	-0.724	0.469065	0.593652	chr12	37259970	37261633	+	0	NA	Intergeni	ALR/Alpha	-1055973	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr5-4850	31.81698	-0.29893	0.413267	-0.72333	0.469478	0.593955	chr5	48507078	48507309	+	0	NA	Intergeni	ALR/Alpha	1934095	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-960	15.14174	-0.41008	0.567896	-0.7221	0.470235	0.594693	chr19	9608205	9615695	+	0	NA	intron (N	AluSx|SIN	9282	NM_001330	93134	Hs.720081	NM_152289	ENSG00000	ZNF561	-	zinc fing	protein-coding
chr20-269	24.36437	-0.32633	0.452264	-0.72156	0.470568	0.594895	chr20	26964000	26964240	+	0	NA	Intergeni	ALR/Alpha	-754887	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-269	18.46864	-0.3705	0.513701	-0.72124	0.470763	0.594923	chr19	26955410	26956365	+	0	NA	Intergeni	ALR/Alpha	-837544	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-259	15.16623	-0.40692	0.564859	-0.72039	0.471284	0.595142	chr19	25962793	25965809	+	0	NA	Intergeni	ALR/Alpha	-1800854	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4711	15.16623	-0.40692	0.564859	-0.72039	0.471284	0.595142	chr5	47113907	47115972	+	0	NA	Intergeni	ALR/Alpha	-1418559	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-409	20.68954	-0.35458	0.492681	-0.7197	0.471709	0.595336	chr10	40934550	40936374	+	0	NA	Intergeni	ALR/Alpha	1432583	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4893	18.88168	-0.36791	0.511284	-0.71958	0.471785	0.595336	chr5	48937500	48937725	+	0	NA	Intergeni	ALR/Alpha	1503676	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4761	20.62443	-0.34983	0.487582	-0.71748	0.473079	0.596372	chr5	47611037	47612273	+	0	NA	Intergeni	ALR/Alpha	-1915275	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr15-193	17.89533	-0.374	0.52147	-0.71721	0.473244	0.596372	chr15	19336497	19336924	+	0	NA	Intergeni	ALR/Alpha	-946034	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1242	15.19072	-0.40382	0.56311	-0.71712	0.473303	0.596372	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2706754	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5864	15.19072	-0.40382	0.56311	-0.71712	0.473303	0.596372	chr7	58640826	58641867	+	0	NA	Intergeni	ALR/Alpha	1191169	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr3-9102	17.94152	-0.37313	0.520719	-0.71657	0.473637	0.59642	chr3	91022140	91022382	+	0	NA	Intergeni	ALR/Alpha	1914640	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr5-1752	15.23691	-0.40277	0.56239	-0.71618	0.473883	0.59642	chr5	17528573	17530394	+	0	NA	Intergeni	Intergeni	85473	NR_134270	1.03E+08		NR_134270	ENSG00000	LINC02218	-	long inte	ncRNA
chr22-120	15.62546	-0.40175	0.561012	-0.71611	0.473925	0.59642	chr22	12034447	12034944	+	0	NA	Intergeni	L1PA4|LIN	137289	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1241	28.21951	-0.30195	0.421763	-0.71593	0.474037	0.59642	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2636015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4956	24.8236	-0.3244	0.453574	-0.71522	0.474475	0.596544	chr5	49560537	49560740	+	0	NA	Intergeni	ALR/Alpha	880650	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-240	15.14453	-0.40488	0.566371	-0.71486	0.474695	0.596544	chr17	24082113	24083194	+	0	NA	Intergeni	ALR/Alpha	1559542	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-256	20.60273	-0.34829	0.487564	-0.71434	0.475014	0.596544	chr19	25665974	25666574	+	0	NA	Intergeni	ALR/Alpha	-1502827	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-252	28.60806	-0.30302	0.424267	-0.71422	0.475089	0.596544	chr19	25235725	25235936	+	0	NA	Intergeni	ALR/Alpha	-1072383	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-533	23.35632	-0.32793	0.459225	-0.7141	0.475166	0.596544	chr11	53306319	53307889	+	0	NA	Intergeni	ALR/Alpha	1296894	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr18-168	17.91982	-0.37138	0.520288	-0.71379	0.475355	0.596544	chr18	16858707	16859131	+	0	NA	Intergeni	ALR/Alpha	-1533000	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-5005	17.91982	-0.37138	0.520288	-0.71379	0.475355	0.596544	chr5	50053482	50053723	+	0	NA	Intergeni	ALR/Alpha	387686	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-111	17.98771	-0.37228	0.521943	-0.71326	0.475687	0.596686	chr21	11117295	11118199	+	0	NA	Intergeni	ALR/Alpha	596233	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-280	17.87363	-0.37225	0.522055	-0.71305	0.475816	0.596686	chr20	28084296	28084508	+	0	NA	Intergeni	ALR/Alpha	518263	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-250	28.19781	-0.3008	0.422145	-0.71255	0.476125	0.596855	chr19	25085848	25086059	+	0	NA	Intergeni	ALR/Alpha	-922506	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9273	15.16902	-0.40177	0.564614	-0.71158	0.476723	0.597386	chr2	92730380	92731263	+	0	NA	Intergeni	ALR/Alpha	789688	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5892	23.33462	-0.32656	0.459492	-0.7107	0.477269	0.597852	chr7	58924761	58925807	+	0	NA	Intergeni	ALR/Alpha	1475107	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-259	81.97009	-0.19253	0.271199	-0.70992	0.477751	0.598236	chr19	25933316	25933548	+	0	NA	Intergeni	ALR/Alpha	-1769985	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9247	17.89812	-0.36963	0.520871	-0.70963	0.477932	0.598245	chr2	92473048	92474841	+	0	NA	Intergeni	ALR/Alpha	532811	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1237	17.94431	-0.36877	0.520064	-0.70908	0.478277	0.598457	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2240426	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-127	17.4144	-0.37597	0.530645	-0.70851	0.478626	0.598675	chr21	12758727	12759034	+	0	NA	Intergeni	ALR/Alpha	-279286	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr17-244	15.12283	-0.40282	0.56921	-0.70768	0.479145	0.599061	chr17	24448217	24448425	+	0	NA	Intergeni	ALR/Alpha	1925210	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4733	43.44532	-0.248	0.350553	-0.70745	0.479284	0.599061	chr5	47333264	47333476	+	0	NA	Intergeni	ALR/Alpha	-1636990	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-163	20.07561	-0.35014	0.495999	-0.70593	0.480232	0.599863	chr13	16323358	16323732	+	0	NA	Intergeni	ALR/Alpha	-1871752	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-253	15.2397	-0.39764	0.563338	-0.70586	0.480276	0.599863	chr19	25312603	25313105	+	0	NA	Intergeni	ALR/Alpha	-1149407	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-125	20.18969	-0.35023	0.496552	-0.70533	0.480606	0.600056	chr10	1.26E+08	1.26E+08	+	0	NA	Intergeni	L2a|LINE|	-4965	NM_018180	55760	Hs.370292	NM_018180	ENSG00000	DHX32	DDX32|DHL	DEAH-box	protein-coding
chr7-5843	27.83096	-0.30092	0.42689	-0.7049	0.480872	0.60017	chr7	58433908	58435353	+	0	NA	Intergeni	ALR/Alpha	984453	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4754	17.32202	-0.37791	0.53649	-0.7044	0.481181	0.600337	chr5	47540993	47541226	+	0	NA	Intergeni	ALR/Alpha	-1844729	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1243	61.77756	-0.21087	0.29963	-0.70376	0.481585	0.600622	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2857758	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4889	17.39549	-0.36961	0.52801	-0.70001	0.48392	0.603315	chr5	48890321	48892183	+	0	NA	Intergeni	ALR/Alpha	1550036	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-270	41.81665	-0.25167	0.360556	-0.69801	0.485173	0.604563	chr19	27067411	27067648	+	0	NA	Intergeni	ALR/Alpha	-725902	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4917	17.3493	-0.37052	0.530949	-0.69785	0.485274	0.604563	chr5	49179373	49180224	+	0	NA	Intergeni	ALR/Alpha	1261490	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1243	20.14908	-0.3431	0.492168	-0.69712	0.485725	0.604905	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2861243	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	17.41998	-0.36693	0.52725	-0.69592	0.486476	0.6054	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3202983	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5956	17.41998	-0.36693	0.52725	-0.69592	0.486476	0.6054	chr6	59561812	59562487	+	0	NA	Intergeni	ALR/Alpha	-1600703	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-265	28.1572	-0.29563	0.425585	-0.69463	0.487286	0.605772	chr19	26560476	26560702	+	0	NA	Intergeni	ALR/Alpha	-1232842	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-230	16.89007	-0.3743	0.538869	-0.6946	0.487306	0.605772	chr17	23035544	23036818	+	0	NA	Intergeni	ALR/Alpha	513070	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4678	16.89007	-0.3743	0.538869	-0.6946	0.487306	0.605772	chr5	46781123	46781353	+	0	NA	Intergeni	ALR/Alpha	-1084858	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1217	74.00649	-0.19341	0.278597	-0.69423	0.487535	0.605838	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	224407	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-129	18.40794	0.359911	0.519198	0.693207	0.48818	0.606419	chr22	12994170	12994653	+	0	NA	Intergeni	ALR/Alpha	1097005	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1231	21.77664	-0.33729	0.486926	-0.69269	0.488503	0.606601	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1623706	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-276	18.45252	-0.36007	0.520134	-0.69227	0.488767	0.606709	chr20	27624718	27624950	+	0	NA	Intergeni	ALR/Alpha	977831	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr14-169	20.17357	-0.34078	0.492491	-0.69195	0.488971	0.606742	chr14	16901909	16902143	+	0	NA	Intergeni	ALR/Alpha	-1699091	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4953	32.1537	-0.27421	0.396599	-0.6914	0.489316	0.606951	chr5	49538989	49541720	+	0	NA	Intergeni	ALR/Alpha	900934	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4892	17.51236	-0.36514	0.529573	-0.6895	0.490506	0.607974	chr5	48924486	48924695	+	0	NA	Intergeni	ALR/Alpha	1516698	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6233	17.51236	-0.36514	0.529573	-0.6895	0.490506	0.607974	chrX	62335132	62335761	+	0	NA	Intergeni	ALR/Alpha	1015886	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4947	27.24153	-0.29486	0.427874	-0.68913	0.490743	0.607974	chr5	49476958	49478192	+	0	NA	Intergeni	ALR/Alpha	963713	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-270	46.85238	-0.23327	0.338582	-0.68896	0.490851	0.607974	chr19	27064442	27065565	+	0	NA	Intergeni	ALR/Alpha	-728428	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4823	27.19534	-0.2954	0.429369	-0.68799	0.491457	0.608504	chr5	48238411	48239717	+	0	NA	Intergeni	ALR/Alpha	2202224	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1230	28.13549	-0.29442	0.428202	-0.68758	0.491717	0.608607	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1512645	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9219	19.64645	-0.34242	0.498276	-0.68722	0.491946	0.60867	chr2	92197160	92198000	+	0	NA	Intergeni	ALR/Alpha	256447	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr14-165	17.42277	-0.36242	0.528645	-0.68557	0.492984	0.609514	chr14	16594402	16594907	+	0	NA	Intergeni	ALR/Alpha	-2006463	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-290	17.42277	-0.36242	0.528645	-0.68557	0.492984	0.609514	chr20	29070505	29071421	+	0	NA	Intergeni	L1MA6|LIN	-9427	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr10-399	29.4463	-0.28296	0.413013	-0.68512	0.493269	0.609646	chr10	39961374	39961573	+	0	NA	Intergeni	ALR/Alpha	1264877	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr8-4582	19.69264	-0.34166	0.499058	-0.68461	0.493589	0.60976	chr8	45829548	45829774	+	0	NA	Intergeni	ALR/Alpha	787982	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr19-252	41.04346	-0.24305	0.355186	-0.6843	0.493786	0.60976	chr19	25211366	25211779	+	0	NA	Intergeni	ALR/Alpha	-1048125	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9292	17.85751	-0.36157	0.528679	-0.68391	0.494033	0.60976	chr2	92926924	92927177	+	0	NA	Intergeni	ALR/Alpha	985917	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-5001	38.51423	-0.25613	0.374688	-0.68358	0.49424	0.60976	chr5	50016716	50016950	+	0	NA	Intergeni	ALR/Alpha	424455	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-268	24.48794	-0.30827	0.450979	-0.68356	0.494251	0.60976	chr19	26882453	26882684	+	0	NA	Intergeni	ALR/Alpha	-910863	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-406	21.84843	-0.32513	0.475926	-0.68315	0.494514	0.609865	chr10	40682102	40682508	+	0	NA	Intergeni	ALR/Alpha	1685740	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrX-5915	16.36295	-0.37757	0.553505	-0.68214	0.495153	0.610322	chrX	59158872	59159427	+	0	NA	Intergeni	ALR/Alpha	-1248516	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr19-263	20.08398	-0.33833	0.496085	-0.682	0.495241	0.610322	chr19	26375067	26376377	+	0	NA	Intergeni	ALR/Alpha	-1417709	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-516	16.82496	-0.3687	0.540941	-0.68158	0.495503	0.610425	chr11	51614110	51615075	+	0	NA	Intergeni	ALR/Alpha	1205445	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-271	22.35664	-0.31904	0.469056	-0.68016	0.4964	0.610935	chr19	27167218	27169264	+	0	NA	Intergeni	ALR/Alpha	-625190	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-517	21.87292	-0.32296	0.47489	-0.68008	0.496451	0.610935	chr11	51703196	51703416	+	0	NA	Intergeni	ALR/Alpha	1294159	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4942	21.87292	-0.32296	0.47489	-0.68008	0.496451	0.610935	chr5	49428487	49429497	+	0	NA	Intergeni	ALR/Alpha	1012296	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4942	39.50439	-0.2483	0.365357	-0.67961	0.496754	0.610997	chr5	49425252	49425466	+	0	NA	Intergeni	ALR/Alpha	1015929	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-268	19.64924	-0.33843	0.498192	-0.67932	0.496933	0.610997	chr20	26889267	26889623	+	0	NA	Intergeni	ALR/Alpha	-680212	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-251	36.63671	-0.25369	0.373542	-0.67916	0.497037	0.610997	chr19	25172105	25172622	+	0	NA	Intergeni	ALR/Alpha	-1008916	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-5979	16.45812	-0.37062	0.546205	-0.67853	0.497435	0.611149	chr7	59791787	59792142	+	0	NA	Intergeni	ALR/Alpha	2341787	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr16-379	16.98803	-0.36316	0.535532	-0.67812	0.497693	0.611149	chr16	37945551	37945807	+	0	NA	Intergeni	ALR/Alpha	2199127	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr19-264	25.04234	-0.30254	0.446141	-0.67812	0.497696	0.611149	chr19	26437146	26438058	+	0	NA	Intergeni	ALR/Alpha	-1355829	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1231	16.43642	-0.36865	0.544026	-0.67764	0.498	0.611304	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1603033	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4771	29.54147	-0.27928	0.412535	-0.67699	0.498411	0.611385	chr5	47718398	47719970	+	0	NA	Intergeni	ALR/Alpha	-2022804	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-5831	16.92014	-0.36221	0.53505	-0.67697	0.498423	0.611385	chr7	58316191	58316529	+	0	NA	Intergeni	ALR/Alpha	866183	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr6-5958	71.97594	-0.1891	0.280374	-0.67447	0.500015	0.612694	chr6	59586794	59587209	+	0	NA	Intergeni	ALR/Alpha	-1625555	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1248	16.36852	-0.36769	0.545165	-0.67445	0.500027	0.612694	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3327591	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4913	16.36852	-0.36769	0.545165	-0.67445	0.500027	0.612694	chr5	49134026	49136256	+	0	NA	Intergeni	ALR/Alpha	1306147	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1236	17.03422	-0.36222	0.538849	-0.67221	0.501447	0.614214	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2129004	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5819	17.37937	-0.35867	0.534263	-0.67134	0.502004	0.614676	chr7	58198362	58198691	+	0	NA	Intergeni	ALR/Alpha	748349	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-249	45.73025	-0.23208	0.345941	-0.67087	0.502301	0.614821	chr19	24932780	24932984	+	0	NA	Intergeni	ALR/Alpha	-769435	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-265	19.14661	-0.33762	0.504104	-0.66973	0.503028	0.61549	chr19	26537037	26537240	+	0	NA	Intergeni	ALR/Alpha	-1256293	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4876	20.08677	-0.3343	0.499526	-0.66924	0.503344	0.615578	chr5	48765953	48766154	+	0	NA	Intergeni	ALR/Alpha	1675235	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-271	19.65203	-0.33441	0.499828	-0.66906	0.503459	0.615578	chr19	27188800	27189694	+	0	NA	Intergeni	ALR/Alpha	-604184	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-270	24.03429	-0.3031	0.453317	-0.66862	0.503739	0.615693	chr19	27076458	27078761	+	0	NA	Intergeni	ALR/Alpha	-715822	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4833	42.30807	-0.2371	0.354798	-0.66826	0.503968	0.615693	chr5	48330277	48330704	+	0	NA	Intergeni	ALR/Alpha	2110798	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4853	19.05422	-0.33919	0.508026	-0.66767	0.504344	0.615693	chr5	48538076	48539147	+	0	NA	Intergeni	ALR/Alpha	1902677	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5928	16.41751	-0.36197	0.54228	-0.6675	0.504451	0.615693	chr7	59282465	59285076	+	0	NA	Intergeni	ALR/Alpha	1833593	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-5964	16.41751	-0.36197	0.54228	-0.6675	0.504451	0.615693	chr7	59649893	59650461	+	0	NA	Intergeni	ALR/Alpha	2200000	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1235	24.17007	-0.30461	0.457378	-0.666	0.505411	0.616645	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1985845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	23.15202	0.314463	0.473485	0.664146	0.506597	0.617871	chr20	28544833	28545032	+	0	NA	Intergeni	ALR/Alpha	57733	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5941	16.3958	-0.36006	0.543593	-0.66237	0.507737	0.618453	chr7	59417837	59419310	+	0	NA	Intergeni	ALR/Alpha	1968396	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4929	15.97998	-0.36771	0.555378	-0.66209	0.507912	0.618453	chr5	49293020	49293232	+	0	NA	Intergeni	ALR/Alpha	1148162	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1247	59.31617	-0.2014	0.304205	-0.66207	0.507928	0.618453	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3263125	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo

chr10-41	23.48267	-0.30575	0.46186	-0.662	0.507968	0.618453	chr10	41084159	41084402	+	0	NA	Intergeni	ALR/Alpha	1283765	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr5-474	26.35314	-0.28919	0.436855	-0.66199	0.507976	0.618453	chr5	47486343	47486547	+	0	NA	Intergeni	ALR/Alpha	-1790065	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-495	21.30519	-0.31738	0.479957	-0.66126	0.508444	0.618802	chr5	49535199	49537773	+	0	NA	Intergeni	ALR/Alpha	904802	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1247	33.8642	-0.25672	0.388607	-0.66062	0.508855	0.618965	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3228511	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-28	15.93658	-0.36368	0.550853	-0.66021	0.509119	0.618965	chr20	28802187	28806403	+	0	NA	Intergeni	ALR/Alpha	-201630	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr22-13	15.93658	-0.36368	0.550853	-0.66021	0.509119	0.618965	chr22	13941622	13941834	+	0	NA	Intergeni	ALR/Alpha	-1586431	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-287	18.64398	-0.33675	0.510721	-0.65936	0.509664	0.619188	chr20	28793373	28801309	+	0	NA	Intergeni	ALR/Alpha	-194676	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr5-4824	18.64398	-0.33675	0.510721	-0.65936	0.509664	0.619188	chr5	48241484	48242812	+	0	NA	Intergeni	ALR/Alpha	2199140	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-25	23.53166	-0.3017	0.458261	-0.65837	0.510303	0.619745	chr19	25618814	25619039	+	0	NA	Intergeni	ALR/Alpha	-1455479	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-26	23.57785	-0.30108	0.457848	-0.65761	0.510789	0.620043	chr19	26507466	26507949	+	0	NA	Intergeni	ALR/Alpha	-1285724	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-27	15.91488	-0.36171	0.550429	-0.65714	0.511092	0.620043	chr20	27225182	27227093	+	0	NA	Intergeni	ALR/Alpha	-1016904	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr5-1751	15.91488	-0.36171	0.550429	-0.65714	0.511092	0.620043	chr5	17517590	17523688	+	0	NA	Intergeni	AluSx|SIN	76629	NR_13427	1.03E+08		NR_13427	ENSG0000	LINC0221	-	long inte	ncRNA
chr11-541	31.68393	-0.26362	0.401481	-0.65663	0.511421	0.620222	chr11	54143444	54143702	+	0	NA	Intergeni	ALR/Alpha	460425	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr11-534	23.62404	-0.30048	0.458755	-0.65498	0.512477	0.621284	chr11	53486097	53487145	+	0	NA	Intergeni	ALR/Alpha	1117377	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr7-597	20.82426	-0.31767	0.485777	-0.65395	0.513147	0.621875	chr7	59795890	59797254	+	0	NA	Intergeni	ALR/Alpha	2346395	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr22-134	15.15568	-0.38324	0.586861	-0.65303	0.513739	0.622373	chr22	13436340	13436554	+	0	NA	Intergeni	ALR/Alpha	1539041	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr5-495	17.12661	-0.36023	0.55231	-0.65222	0.514256	0.622779	chr5	49522836	49523046	+	0	NA	Intergeni	ALR/Alpha	918347	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4814	18.11686	-0.33844	0.519707	-0.65121	0.514912	0.623352	chr5	48140133	48141230	+	0	NA	Intergeni	ALR/Alpha	2300607	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-474	18.16305	-0.33761	0.519566	-0.6498	0.515822	0.624023	chr5	47458884	47460053	+	0	NA	Intergeni	ALR/Alpha	-1763088	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4927	51.11549	-0.21561	0.331832	-0.64976	0.515847	0.624023	chr5	49278596	49278808	+	0	NA	Intergeni	ALR/Alpha	1162586	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr6-589	27.04064	-0.28978	0.446162	-0.6495	0.516012	0.624023	chr6	58926693	58926897	+	0	NA	Intergeni	ALR/Alpha	-965349	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr5-487	32.27726	-0.26115	0.40242	-0.64895	0.516371	0.624236	chr5	48725298	48725518	+	0	NA	Intergeni	ALR/Alpha	1715880	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-490	25.22822	-0.29244	0.451159	-0.6482	0.516853	0.624599	chr5	49083122	49083389	+	0	NA	Intergeni	ALR/Alpha	1358033	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-271	24.11055	-0.29393	0.455507	-0.64529	0.518742	0.626452	chr19	27160041	27160240	+	0	NA	Intergeni	ALR/Alpha	-633291	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr2-923	23.46655	-0.29759	0.461184	-0.64527	0.518752	0.626452	chr2	92302680	92303162	+	0	NA	Intergeni	ALR/Alpha	361788	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr3-912	23.05352	-0.29822	0.462517	-0.64477	0.519079	0.626626	chr3	91281576	91281953	+	0	NA	Intergeni	ALR/Alpha	2174143	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr7-597	20.29713	-0.31879	0.495059	-0.64394	0.519612	0.627048	chr7	59758719	59760627	+	0	NA	Intergeni	ALR/Alpha	2309496	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr10-39	16.55887	-0.35425	0.550466	-0.64355	0.519865	0.627133	chr10	39954071	39954270	+	0	NA	Intergeni	ALR/Alpha	1257574	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-494	41.30458	-0.2372	0.369044	-0.64275	0.520388	0.627543	chr5	49499145	49499382	+	0	NA	Intergeni	ALR/Alpha	942025	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-23	16.37689	-0.35322	0.550032	-0.64218	0.520754	0.627607	chr17	23044062	23044378	+	0	NA	Intergeni	ALR/Alpha	521109	NM_00119	1E+08	Hs.74018	NM_00119	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr8-453	66.14643	-0.18866	0.293876	-0.64198	0.520885	0.627607	chr8	45331545	45331869	+	0	NA	Intergeni	ALR/Alpha	1285936	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagin	pseudo
chr1-124	15.89596	-0.35482	0.552837	-0.64182	0.520991	0.627607	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2751797	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-40	15.34435	-0.36041	0.563589	-0.6395	0.5225	0.628902	chr10	40961213	40962290	+	0	NA	Intergeni	ALR/Alpha	1406294	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr7-607	15.34435	-0.36041	0.563589	-0.6395	0.5225	0.628902	chr7	60763513	60763847	+	0	NA	Intergeni	ALR/Alpha	2540376	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fing	pseudo
chr5-492	28.97931	-0.26875	0.420371	-0.63932	0.522617	0.628902	chr5	49256773	49257117	+	0	NA	Intergeni	ALR/Alpha	1184343	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr11-514	34.62897	-0.24484	0.383167	-0.63899	0.522828	0.628936	chr11	51446372	51446735	+	0	NA	Intergeni	ALR/Alpha	1037406	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr19-26	25.1659	-0.28522	0.446985	-0.6381	0.523409	0.629266	chr19	26051824	26052093	+	0	NA	Intergeni	ALR/Alpha	-1741473	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-6047	15.41503	-0.35638	0.558779	-0.63778	0.523615	0.629266	chr7	60471601	60472312	+	0	NA	Intergeni	ALR/Alpha	2832100	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fing	pseudo
chr1-124	17.56803	-0.3385	0.5308	-0.63772	0.523654	0.629266	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3056272	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1244	37.63532	-0.2401	0.376895	-0.63705	0.524093	0.629573	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2950659	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr3-909	15.46123	-0.3554	0.558705	-0.63611	0.524707	0.629904	chr3	90901406	90902297	+	0	NA	Intergeni	ALR/Alpha	1794230	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr22-144	20.37061	-0.31181	0.490215	-0.63606	0.524736	0.629904	chr22	14478009	14478275	+	0	NA	Intergeni	ALR/Alpha	-1050017	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|C	olfactory	protein-coding
chr11-54	22.96392	-0.29606	0.465699	-0.63572	0.524956	0.629948	chr11	54324097	54324332	+	0	NA	Intergeni	ALR/Alpha	279784	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr19-264	26.15504	-0.28093	0.443307	-0.63371	0.526273	0.631307	chr19	26457057	26457340	+	0	NA	Intergeni	ALR/Alpha	-1336233	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr6-585	15.39333	-0.35434	0.560271	-0.63245	0.527096	0.632072	chr6	58590986	58592088	+	0	NA	Intergeni	ALR/Alpha	-630091	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr11-51	40.25135	-0.2313	0.36811	-0.62835	0.529774	0.635061	chr11	51578786	51579026	+	0	NA	Intergeni	ALR/Alpha	1169759	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr19-247	15.94494	-0.34886	0.55545	-0.62807	0.52996	0.635063	chr19	24737255	24737454	+	0	NA	Intergeni	ALR/Alpha	-573907	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr10-41	36.83932	-0.23397	0.373036	-0.6272	0.530529	0.635521	chr10	41567607	41567848	+	0	NA	Intergeni	ALR/Alpha	800318	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr5-4957	27.05002	-0.27241	0.435183	-0.62597	0.531335	0.636118	chr5	49578880	49579082	+	0	NA	Intergeni	ALR/Alpha	862307	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1244	47.98283	-0.20822	0.332688	-0.62587	0.531398	0.636118	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2953642	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4957	20.35169	-0.30639	0.490158	-0.62507	0.531922	0.636523	chr5	49572659	49575624	+	0	NA	Intergeni	ALR/Alpha	867147	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-123	17.52742	-0.33035	0.531125	-0.62199	0.533948	0.638724	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2337102	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr3-9124	26.91702	-0.26797	0.431169	-0.62149	0.534277	0.638894	chr3	91245931	91246286	+	0	NA	Intergeni	ALR/Alpha	2138487	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr16-32	15.00479	-0.35388	0.570173	-0.62065	0.534828	0.63933	chr16	32835922	32836166	+	0	NA	Intergeni	L1MEc|LIN	49098	NR_00308	386757	Hs.43314	NM_198857	ENSG0000	SLC6A10P	CT-2|CT2|	solute ca	pseudo
chr21-124	18.67684	-0.32138	0.518551	-0.61976	0.535413	0.639769	chr21	12451964	12452291	+	0	NA	Intergeni	ALR/Alpha	-586039	NR_02691	149992	Hs.55864	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-121	37.79392	-0.23791	0.384013	-0.61953	0.535568	0.639769	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	91369	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-123	21.98036	-0.29425	0.475575	-0.61872	0.536103	0.640184	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2436273	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-257	19.87076	-0.3064	0.495522	-0.61835	0.536347	0.640253	chr19	25756572	25757049	+	0	NA	Intergeni	ALR/Alpha	-1593363	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr22-13	17.62259	-0.32421	0.525256	-0.61724	0.537076	0.640782	chr22	13098295	13098537	+	0	NA	Intergeni	ALR/Alpha	1201010	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr19-26	22.05104	-0.29143	0.472256	-0.61711	0.537165	0.640782	chr19	26674417	26674665	+	0	NA	Intergeni	ALR/Alpha	-1118890	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-591	29.10009	-0.25688	0.416706	-0.61646	0.537589	0.641065	chr7	59163120	59164095	+	0	NA	Intergeni	ALR/Alpha	1713430	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr19-25	18.53826	-0.32361	0.526073	-0.61514	0.538459	0.641879	chr19	25924614	25924827	+	0	NA	Intergeni	ALR/Alpha	-1761273	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr7-590	17.07098	-0.32832	0.534329	-0.61444	0.538922	0.642207	chr7	59006672	59007092	+	0	NA	Intergeni	ALR/Alpha	1556705	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr11-51	22.02934	-0.28997	0.472208	-0.61408	0.539164	0.642214	chr11	51696853	51697087	+	0	NA	Intergeni	ALR/Alpha	1287823	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr11-51	26.43609	-0.26733	0.435715	-0.61354	0.539518	0.642214	chr11	51202432	51202631	+	0	NA	Intergeni	ALR/Alpha	793384	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr11-517	26.43609	-0.26733	0.435715	-0.61354	0.539518	0.642214	chr11	51772012	51773080	+	0	NA	Intergeni	ALR/Alpha	1363399	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr1-124	20.00376	-0.31237	0.509511	-0.61307	0.539829	0.642214	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2551597	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-498	26.41328	-0.27312	0.445702	-0.61278	0.540019	0.642214	chr5	49851659	49851910	+	0	NA	Intergeni	ALR/Alpha	589504	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-479	34.61564	-0.23684	0.386537	-0.61273	0.540052	0.642214	chr5	47939808	47940078	+	0	NA	Intergeni	ALR/Alpha	-2243563	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4771	27.49591	-0.26176	0.427952	-0.61165	0.540772	0.642607	chr5	47716450	47717478	+	0	NA	Intergeni	ALR/Alpha	-2020584	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-24	33.65099	-0.23743	0.388224	-0.61157	0.540819	0.642607	chr19	24816005	24816300	+	0	NA	Intergeni	ALR/Alpha	-652705	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr7-597	17.09547	-0.32559	0.532544	-0.61138	0.540945	0.642607	chr7	59754184	59756119	+	0	NA	Intergeni	ALR/Alpha	2304974	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr19-24	19.38984	-0.30644	0.503352	-0.6088	0.542658	0.644418	chr19	24632695	24632953	+	0	NA	Intergeni	ALR/Alpha	-469377	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr7-594	24.2586	-0.27404	0.451089	-0.60751	0.543514	0.645212	chr7	59432022	59433965	+	0	NA	Intergeni	ALR/Alpha	1982816	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr19-254	17.11996	-0.32288	0.531776	-0.60718	0.543731	0.645245	chr19	25438255	25438497	+	0	NA	Intergeni	ALR/Alpha	-1274929	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr5-4991	35.85855	-0.22896	0.377328	-0.6068	0.543981	0.645318	chr5	49911354	49911635	+	0	NA	Intergeni	ALR/Alpha	529794	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr12-35	35.16557	-0.2332	0.385598	-0.60478	0.545324	0.646688	chr12	35030356	35031111	+	0	NA	Intergeni	ALR/Alpha	1008237	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr1-122	17.73947	-0.3198	0.529091	-0.60444	0.545552	0.646734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1086212	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-28	40.48012	0.217493	0.360907	0.60263	0.546755	0.64734	chr20	28548737	28550130	+	0	NA	Intergeni	ALR/Alpha	53232	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-29	17.21235	-0.32115	0.532994	-0.60255	0.546811	0.64734	chr20	29913494	29913774	+	0	NA	Intergeni	ALR/Alpha	-33171	NR_03968	1.01E+08		NR_03968	ENSG0000	MIR4477A	-	microRNA	ncRNA
chr1-122	16.66073	-0.32527	0.539976	-0.60238	0.546919	0.64734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1134357	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr17-251	66.55618	-0.18131	0.301031	-0.60229	0.546984	0.64734	chr17	25115349	25115596	+	0	NA	Intergeni	ALR/Alpha	1973769	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr11-51	26.48786	-0.26078	0.433011	-0.60225	0.547008	0.64734	chr11	51855832	51856080	+	0	NA	Intergeni	ALR/Alpha	1446809	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr2-925	16.59284	-0.32425	0.540479	-0.59994	0.548547	0.648937	chr2	92585895	92587380	+	0	NA	Intergeni	ALR/Alpha	645504	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chrX-607	56.12889	0.187666	0.313343	0.598915	0.549229	0.64952	chrX	60758835	60759183	+	0	NA	Intergeni	ALR/Alpha	2592323	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chrX-610	44.10592	0.206707	0.345845	0.597689	0.550047	0.650263	chrX	61009708	61010013	+	0	NA	Intergeni	ALR/Alpha	2341472	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4927	67.20518	-0.17555	0.293924	-0.59727	0.550324	0.650366	chr5	49273008	49273207	+	0	NA	Intergeni	ALR/Alpha	1168181	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr12-35	16.61733	-0.32146	0.539121	-0.59627	0.550992	0.65093	chr12	35808381	35808733	+	0	NA	Intergeni	ALR/Alpha	1786061	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-495	19.85464	-0.29681	0.499714	-0.59396	0.552537	0.652531	chr5	49589268	49590194	+	0	NA	Intergeni	ALR/Alpha	851557	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-22	16.52495	-0.32327	0.546753	-0.59125	0.554353	0.654308	chr17	22906487	22907322	+	0	NA	Intergeni	ALR/Alpha	383793	NM_00119	1E+08	Hs.74018	NM_00119	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-39	40.96218	-0.21102	0.356972	-0.59114	0.554424	0.654308	chr10	39966104	39966322	+	0	NA	Intergeni	ALR/Alpha	1269617	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-124	41.05177	-0.21243	0.360056	-0.59	0.555192	0.654989	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3174211	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-124	33.15394	-0.23063	0.391628	-0.5889	0.555925	0.655628	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3144899	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-267	21.00238	-0.2847	0.484147	-0.58804	0.556507	0.656089	chr19	26717291	26717524	+	0	NA	Intergeni	ALR/Alpha	-1076024	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr13-16	16.1364	-0.32192	0.547811	-0.58764	0.556771	0.656174	chr13	16099484	16099777	+	0	NA	Intergeni	ALR/Alpha	-2095667	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr2-9254	27.6139	-0.25214	0.429347	-0.58726	0.557028	0.656251	chr2	92549367	92550647	+	0	NA	Intergeni	ALR/Alpha	608874	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-925	23.73706	-0.26737	0.456505	-0.58568	0.558089	0.657066	chr2	92592042	92592490	+	0	NA	Intergeni	ALR/Alpha	651133	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chrX-593	23.25334	-0.26998	0.460977	-0.58566	0.558104	0.657066	chrX	59381001	59381270	+	0	NA	Intergeni	ALR/Alpha	-1470502	NM_00715	7789	Hs.550094	NM_00715	ENSG0000	ZXDA	ZNF896	zinc fing	protein-coding
chr1-124	21.20606	-0.28751	0.494796	-0.58107	0.561191	0.660474	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2577872	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr12-35	16.64461	-0.31398	0.54085	-0.58052	0.561562	0.660684	chr12	35675744	35675944	+	0	NA	Intergeni	ALR/Alpha	1653348	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr22-13	16.59842	-0.31483	0.542607	-0.58022	0.561765	0.660696	chr22	13251527	13252417	+	0	NA	Intergeni	ALR/Alpha	1354566	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr1-122	22.54313	-0.27729	0.478946	-0.57896	0.562619	0.661474	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1365768	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-25	68.14139	-0.16553	0.286711	-0.57735	0.563706	0.662524	chr19	25955008	25955266	+	0	NA	Intergeni	ALR/Alpha	-1791690	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr5-475	18.80319	-0.2938	0.510796	-0.57518	0.565169	0.66377	chr5	47524188	47525190	+	0	NA	Intergeni	ALR/Alpha	-1828309	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-124	16.16368	-0.31423	0.546676	-0.57481	0.56542	0.66377	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2792703	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-25	15.63377	-0.3204	0.557743	-0.57446	0.565654	0.66377	chr19	25526965	25528275	+	0	NA	Intergeni	ALR/Alpha	-1364173	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-25	18.34396	-0.29524	0.5143	-0.57406	0.565929	0.66377	chr19	25551402	25553772	+	0	NA	Intergeni	ALR/Alpha	-1389140	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr2-923	18.34396	-0.29524	0.5143	-0.57406	0.565929	0.66377	chr2	92352961	92354047	+	0	NA	Intergeni	ALR/Alpha	412371	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-501	18.34396	-0.29524	0.5143	-0.57406	0.565929	0.66377	chr5	50137505	50145185	+	0	NA	Intergeni	ALR/Alpha	299943	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr11-51	20.52424	-0.28037	0.488781	-0.57362	0.566226	0.663891	chr11	51522959	51524110	+	0	NA	Intergeni	ALR/Alpha	1114387	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr2-9241	18.39015	-0.29446	0.51457	-0.57225	0.567154	0.664752	chr2	92419856	92420364	+	0	NA	Intergeni	ALR/Alpha	478977	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1247	23.25892	-0.2632	0.460475	-0.57159	0.567598	0.665045	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3243693	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-264	27.55158	-0.24563	0.430215	-0.57094	0.568043	0.665339	chr19	26454297	26454496	+	0	NA	Intergeni	ALR/Alpha	-1339035	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-26	18.32226	-0.2935	0.514875	-0.57005	0.568647	0.665818	chr20	26656053	26656390	+	0	NA	Intergeni	ALR/Alpha	-446988	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr6-591	16.18817	-0.31136	0.547949	-0.56822	0.569882	0.666285	chr6	59152212	59152618	+	0	NA	Intergeni	ALR/Alpha	-1190969	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr5-478	32.12698	-0.22537	0.396662	-0.56816	0.569929	0.666285	chr5	47801054	47801284	+	0	NA	Intergeni	ALR/Alpha	-2104789	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-51	15.63656	-0.31539	0.555133	-0.56813	0.569946	0.666285	chr11	51286507	51287037	+	0	NA	Intergeni	ALR/Alpha	877625	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr2-923	31.59707	-0.22713	0.399812	-0.56809	0.569976	0.666285	chr2	92382300	92382744	+	0	NA	Intergeni	ALR/Alpha	441389	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-122	15.59037	-0.31633	0.556896	-0.56802	0.570018	0.666285	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	819049	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-25	21.07864	-0.27434	0.483469	-0.56745	0.570411	0.666517	chr19	25053554	25053790	+	0	NA	Intergeni	ALR/Alpha	-890225	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr10-40	18.41464	-0.29194	0.515296	-0.56656	0.571016	0.666997	chr10	40761885	40762150	+	0	NA	Intergeni	ALR/Alpha	1606028	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr5-488	22.77799	-0.26231	0.464496	-0.56472	0.572266	0.668229	chr5	48832194	48832471	+	0	NA	Intergeni	ALR/Alpha	1608956	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-40	22.82418	-0.2617	0.464997	-0.5628	0.573569	0.669522	chr10	40837427	40838055	+	0	NA	Intergeni	ALR/Alpha	1530304	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo

chr1-1234	20.50533	-0.27499	0.489339	-0.56196	0.574146	0.669968	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1924961	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-262	22.75629	-0.26089	0.464806	-0.56129	0.574602	0.670271	chr19	26202697	26204858	+	0	NA	Intergeni	ALR/Alpha	-1589654	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-268	27.57886	-0.24101	0.429874	-0.56064	0.575041	0.670555	chr19	26856341	26856551	+	0	NA	Intergeni	ALR/Alpha	-936985	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-542	15.63935	-0.31043	0.55494	-0.55939	0.575894	0.671321	chr11	54221939	54223088	+	0	NA	Intergeni	ALR/Alpha	381485	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr15-192	20.13569	-0.27845	0.498476	-0.5586	0.576437	0.671725	chr15	19226162	19226420	+	0	NA	Intergeni	ALR/Alpha	-1056453	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr17-234	16.50882	-0.31152	0.558097	-0.55817	0.576725	0.671833	chr17	23453743	23453942	+	0	NA	Intergeni	ALR/Alpha	930731	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-246	17.86582	-0.29057	0.520951	-0.55776	0.577006	0.671931	chr17	24660607	24660822	+	0	NA	Intergeni	ALR/Alpha	2137603	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr12-352	15.15563	-0.31571	0.566631	-0.55717	0.577413	0.672177	chr12	35204680	35204971	+	0	NA	Intergeni	ALR/Alpha	1182329	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr2-9239	16.71808	-0.30525	0.549429	-0.55558	0.578496	0.672421	chr2	92395819	92396249	+	0	NA	Intergeni	ALR/Alpha	454901	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9300	26.36044	-0.24984	0.449784	-0.55548	0.578569	0.672421	chr2	93003783	93004042	+	0	NA	Intergeni	ALR/Alpha	1062779	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1228	20.0244	-0.27424	0.493956	-0.5552	0.578761	0.672421	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1375644	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-517	20.0244	-0.27424	0.493956	-0.5552	0.578761	0.672421	chr11	51793531	51793774	+	0	NA	Intergeni	ALR/Alpha	1384505	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-411	15.13393	-0.31358	0.564873	-0.55514	0.5788	0.672421	chr10	41176766	41178267	+	0	NA	Intergeni	ALR/Alpha	1190529	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr8-8572	15.13393	-0.31358	0.564873	-0.55514	0.5788	0.672421	chr8	85726990	85728015	+	0	NA	Intergeni	Intergeni	-8796	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr18-204	15.18012	-0.31264	0.56557	-0.55279	0.58041	0.674062	chr18	20492194	20492530	+	0	NA	Intergeni	ALR/Alpha	619451	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr14-164	15.11223	-0.31149	0.564454	-0.55184	0.581057	0.674492	chr14	16498939	16499154	+	0	NA	Intergeni	ALR/Alpha	-2102071	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1244	48.2901	-0.18252	0.330856	-0.55167	0.581173	0.674492	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2883509	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	20.66839	-0.27065	0.490939	-0.55129	0.581435	0.674557	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3264701	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-266	37.16271	-0.20553	0.373005	-0.55102	0.581623	0.674557	chr17	26624945	26626420	+	0	NA	Intergeni	ALR/Alpha	463559	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-284	22.25366	-0.25846	0.469636	-0.55035	0.582079	0.674772	chr20	28433074	28433359	+	0	NA	Intergeni	ALR/Alpha	169449	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-523	25.56165	-0.24479	0.445183	-0.54987	0.582409	0.674772	chr11	52327339	52327935	+	0	NA	Intergeni	ALR/Alpha	1918490	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4878	22.20746	-0.25909	0.471301	-0.54973	0.582502	0.674772	chr5	48784845	48786749	+	0	NA	Intergeni	ALR/Alpha	1655491	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-519	17.82242	-0.287	0.522193	-0.5496	0.582597	0.674772	chr11	51948668	51950096	+	0	NA	Intergeni	ALR/Alpha	1540235	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-264	24.36604	-0.24858	0.45401	-0.54753	0.584014	0.676186	chr20	26486370	26486743	+	0	NA	Intergeni	ALR/Alpha	-277323	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1216	17.2953	-0.28727	0.53003	-0.54199	0.587827	0.679895	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	120628	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6048	15.16121	-0.30542	0.563535	-0.54197	0.587842	0.679895	chr7	60486328	60486977	+	0	NA	Intergeni	ALR/Alpha	2817404	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr19-268	19.47557	-0.27256	0.503152	-0.54171	0.588016	0.679895	chr19	26823520	26823730	+	0	NA	Intergeni	ALR/Alpha	-969806	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9272	19.47557	-0.27256	0.503152	-0.54171	0.588016	0.679895	chr2	92726049	92726388	+	0	NA	Intergeni	ALR/Alpha	785085	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9266	21.77273	-0.25742	0.475443	-0.54143	0.58821	0.679895	chr2	92665353	92666448	+	0	NA	Intergeni	ALR/Alpha	724767	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-513	26.20676	-0.23525	0.435949	-0.53963	0.589449	0.68106	chr11	51310637	51310951	+	0	NA	Intergeni	ALR/Alpha	901647	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1224	19.95929	-0.26939	0.499436	-0.53939	0.589616	0.68106	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	918021	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-192	15.2074	-0.30445	0.56528	-0.53858	0.590176	0.681477	chr14	19264915	19265143	+	0	NA	Intergeni	Intergeni	-36675	NR_133911	1.06E+08	Hs.643607	NR_133911	ENSG00000	BMS1P22	-	BMS1 pseu	pseudo
chr8-4592	21.79722	-0.2553	0.474794	-0.5377	0.590783	0.681949	chr8	45927307	45929952	+	0	NA	Intergeni	ALR/Alpha	689014	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr2-9260	19.45387	-0.27092	0.504595	-0.5369	0.591335	0.682355	chr2	92602076	92603750	+	0	NA	Intergeni	ALR/Alpha	661780	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4741	19.52456	-0.26781	0.499747	-0.53589	0.592033	0.682931	chr5	47411073	47411370	+	0	NA	Intergeni	ALR/Alpha	-1714841	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-6381	19.01635	-0.2735	0.511459	-0.53475	0.592822	0.683604	chr9	63816703	63819606	+	0	NA	non-codin	non-codin	-1420	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr5-4887	15.64493	-0.30029	0.561844	-0.53447	0.593015	0.683604	chr5	48873895	48874728	+	0	NA	Intergeni	ALR/Alpha	1566977	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9272	21.68313	-0.25509	0.477882	-0.53378	0.593491	0.683919	chr2	92727679	92728159	+	0	NA	Intergeni	ALR/Alpha	786786	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-308	17.34428	-0.28196	0.528594	-0.53342	0.59374	0.683919	chr20	30818122	30820036	+	0	NA	Intergeni	L1PREC2|L	-415617	NR_045115	140678	Hs.653099	NR_045115		MLLT10P1	MLLT10L|	MLLT10 ps	pseudo
chr2-9311	21.82171	-0.25318	0.474826	-0.53321	0.593887	0.683919	chr2	93119510	93120232	+	0	NA	Intergeni	ALR/Alpha	1088548	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr5-4840	20.05447	-0.26408	0.496516	-0.53187	0.594818	0.684761	chr5	48406064	48406463	+	0	NA	Intergeni	ALR/Alpha	2035025	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-127	15.11781	-0.3012	0.566715	-0.53148	0.595088	0.684841	chr21	12778233	12778455	+	0	NA	Intergeni	ALR/Alpha	-259822	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1234	26.18784	-0.23098	0.435364	-0.53055	0.595729	0.685191	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1914031	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-251	19.59524	-0.26475	0.499098	-0.53046	0.595792	0.685191	chr19	25123792	25124733	+	0	NA	Intergeni	ALR/Alpha	-960815	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4748	16.79266	-0.28483	0.538082	-0.52934	0.596573	0.685858	chr5	47480931	47481357	+	0	NA	Intergeni	ALR/Alpha	-1784764	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1237	23.93688	-0.24027	0.454761	-0.52834	0.597266	0.686425	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2279215	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9268	17.36877	-0.2793	0.529324	-0.52766	0.597734	0.686583	chr2	92689875	92690188	+	0	NA	Intergeni	ALR/Alpha	748898	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-294	20.84204	0.258728	0.490423	0.527561	0.597804	0.686583	chr20	29448473	29449975	+	0	NA	intron (N	intron (N	707	NR_134504	1.05E+08	Hs.702270	NR_134504		LOC105379	-	uncharact	ncRNA
chr2-9293	19.04363	-0.26683	0.506088	-0.52724	0.598025	0.686606	chr2	92934719	92935768	+	0	NA	Intergeni	ALR/Alpha	994110	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1246	19.57354	-0.26311	0.49959	-0.52665	0.59844	0.686853	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3171857	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-132	19.08982	-0.26611	0.506064	-0.52584	0.599001	0.687266	chr22	13249041	13250715	+	0	NA	Intergeni	ALR/Alpha	1352472	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr6-5873	16.86335	-0.28125	0.535367	-0.52533	0.599351	0.687437	chr6	58731332	58731896	+	0	NA	Intergeni	ALR/Alpha	-770168	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4737	16.90954	-0.28042	0.536597	-0.52259	0.601263	0.689285	chr5	47375972	47376180	+	0	NA	Intergeni	ALR/Alpha	-1679696	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr8-4539	18.97573	-0.26589	0.508946	-0.52244	0.601364	0.689285	chr8	45394235	45394620	+	0	NA	Intergeni	ALR/Alpha	1223216	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr10-414	16.88784	-0.27853	0.535596	-0.52003	0.60304	0.690801	chr10	41408350	41409072	+	0	NA	Intergeni	ALR/Alpha	959334	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-418	22.99115	-0.24618	0.473463	-0.51996	0.60309	0.690801	chr10	41839442	41839884	+	0	NA	Intergeni	ALR/Alpha	528382	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-268	25.63902	-0.22884	0.440368	-0.51965	0.603306	0.690818	chr19	26872475	26873165	+	0	NA	Intergeni	ALR/Alpha	-920611	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr16-328	19.09261	-0.26201	0.505046	-0.51879	0.603909	0.691278	chr16	32834098	32834978	+	0	NA	Intergeni	Intergeni	50604	NR_003083	386757	Hs.433146	NM_198857	ENSG00000	SLC6A10P	CT-2|CT2|	solute ca	pseudo
chr19-260	21.22948	-0.24806	0.480712	-0.51603	0.605831	0.692863	chr19	26045688	26046012	+	0	NA	Intergeni	ALR/Alpha	-1747581	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-257	19.53013	-0.25974	0.503403	-0.51597	0.605877	0.692863	chr17	25703000	25703223	+	0	NA	Intergeni	ALR/Alpha	1386130	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr7-5944	21.27568	-0.24743	0.47957	-0.51593	0.605901	0.692863	chr7	59440249	59441434	+	0	NA	Intergeni	ALR/Alpha	1990664	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1232	20.81366	-0.25147	0.48958	-0.51365	0.607497	0.694456	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1768704	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-1436	18.51929	-0.26234	0.513273	-0.51111	0.609272	0.696132	chr8	1.44E+08	1.44E+08	+	0	NA	Intergeni	LTR41B|LT	-16092	NR_110192	286075	Hs.521922	NM_173831	ENSG00000	ZNF707	-	zinc fing	protein-coding
chr17-253	37.33525	-0.19212	0.375994	-0.51097	0.609369	0.696132	chr17	25364949	25365160	+	0	NA	Intergeni	ALR/Alpha	1724187	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr7-5978	22.95332	-0.23611	0.463515	-0.50938	0.610485	0.697174	chr7	59785799	59786034	+	0	NA	Intergeni	ALR/Alpha	2335739	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-518	16.33901	-0.27659	0.5433	-0.50909	0.610692	0.697178	chr11	51864312	51865972	+	0	NA	Intergeni	ALR/Alpha	1455995	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chrX-6108	16.57889	0.276132	0.543102	0.508435	0.611148	0.697467	chrX	61086862	61087118	+	0	NA	Intergeni	ALR/Alpha	2264342	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr2-9263	20.74855	-0.24671	0.485684	-0.50796	0.611481	0.697613	chr2	92632187	92633599	+	0	NA	Intergeni	ALR/Alpha	691760	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-279	19.0737	-0.25621	0.506833	-0.50552	0.613197	0.699338	chr20	27950713	27950981	+	0	NA	Intergeni	ALR/Alpha	651818	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-6030	31.74952	0.206015	0.408017	0.504917	0.613617	0.699448	chr7	60301562	60301883	+	0	NA	Intergeni	ALR/Alpha	2851545	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-530	16.31731	-0.27464	0.544077	-0.50478	0.613711	0.699448	chr11	53001953	53002313	+	0	NA	Intergeni	ALR/Alpha	1601865	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4890	23.02401	-0.23352	0.462866	-0.50451	0.613906	0.699448	chr5	48902732	48903114	+	0	NA	Intergeni	ALR/Alpha	1538365	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-265	22.49131	-0.23982	0.475893	-0.50393	0.614309	0.699675	chr19	26575072	26575303	+	0	NA	Intergeni	ALR/Alpha	-1218244	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1234	18.63617	-0.25839	0.513438	-0.50325	0.61479	0.69999	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1917079	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1244	23.62181	-0.23183	0.462799	-0.50093	0.616422	0.701431	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2958012	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4711	28.62635	0.211275	0.42182	0.500866	0.616465	0.701431	chr5	47111234	47111589	+	0	NA	Intergeni	ALR/Alpha	-1415031	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-264	16.388	-0.27099	0.543716	-0.4984	0.618199	0.702715	chr19	26468668	26469003	+	0	NA	Intergeni	ALR/Alpha	-1324596	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-251	15.85809	-0.27567	0.553114	-0.49839	0.618209	0.702715	chr19	25134747	25136490	+	0	NA	Intergeni	ALR/Alpha	-972171	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4952	15.85809	-0.27567	0.553114	-0.49839	0.618209	0.702715	chr5	49526920	49529096	+	0	NA	Intergeni	ALR/Alpha	913280	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5818	26.90921	-0.21387	0.430257	-0.49708	0.619133	0.703378	chr7	58181880	58183148	+	0	NA	Intergeni	ALR/Alpha	732337	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr17-251	22.45069	-0.23317	0.469171	-0.49698	0.619202	0.703378	chr17	25177980	25178472	+	0	NA	Intergeni	ALR/Alpha	1911015	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-251	15.79019	-0.27454	0.554292	-0.4953	0.62039	0.704493	chr17	25156218	25156604	+	0	NA	Intergeni	ALR/Alpha	1932830	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-278	17.99496	-0.25761	0.521331	-0.49413	0.621212	0.704991	chr20	27801370	27801569	+	0	NA	Intergeni	ALR/Alpha	801196	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr3-9109	16.3663	-0.26903	0.544494	-0.49409	0.62124	0.704991	chr3	91094162	91094669	+	0	NA	Intergeni	ALR/Alpha	1986794	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chrX-6215	16.46202	0.27299	0.553386	0.493309	0.621794	0.7052	chrX	62157491	62158101	+	0	NA	Intergeni	ALR/Alpha	1193536	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr8-4569	18.08735	-0.25607	0.519147	-0.49325	0.621836	0.7052	chr8	45691960	45692169	+	0	NA	Intergeni	ALR/Alpha	925579	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr1-1230	15.81468	-0.27163	0.552268	-0.49185	0.622828	0.706091	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1569446	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-1759	22.49967	-0.22907	0.46737	-0.49012	0.62405	0.707098	chr5	17592130	17594220	+	0	NA	Intergeni	Intergeni	62463	NM_001355	391769		NM_001355	ENSG00000	H3.Y	-	histone c	protein-coding
chr1-1224	28.56516	-0.2057	0.419798	-0.49001	0.624129	0.707098	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	885205	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-248	19.69599	-0.25074	0.513473	-0.48832	0.625322	0.708216	chr19	24884945	24885164	+	0	NA	Intergeni	ALR/Alpha	-721607	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-5880	24.15283	-0.2216	0.455038	-0.48698	0.62627	0.709055	chr7	58802824	58803148	+	0	NA	Intergeni	ALR/Alpha	1352809	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4949	20.77862	-0.23693	0.487362	-0.48616	0.626856	0.709485	chr5	49496450	49497368	+	0	NA	Intergeni	ALR/Alpha	944379	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1247	22.52416	-0.22703	0.467437	-0.48569	0.627187	0.709624	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3255993	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-248	17.48954	-0.25905	0.533716	-0.48538	0.627408	0.70964	chr19	24846987	24847186	+	0	NA	Intergeni	ALR/Alpha	-683639	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1231	35.21232	-0.18459	0.381191	-0.48426	0.628204	0.710306	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1614891	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-265	20.31939	-0.23691	0.490882	-0.48262	0.629362	0.711261	chr20	26562441	26563171	+	0	NA	Intergeni	ALR/Alpha	-353573	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1247	18.06843	-0.24998	0.51812	-0.48248	0.629464	0.711261	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3249832	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-6284	16.32289	-0.26499	0.549757	-0.48201	0.629798	0.711404	chr9	62840528	62840728	+	0	NA	promoter-	promoter-	-17	NR_135010	442421	Hs.585349	NR_024496		PTGER4P2-	-	PTGER4P2-	pseudo
chrX-6246	20.13463	-0.23957	0.499549	-0.47958	0.631526	0.71312	chrX	62465467	62465987	+	0	NA	Intergeni	ALR/Alpha	885605	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4756	37.39818	-0.17866	0.373401	-0.47846	0.632325	0.713768	chr5	47565237	47565512	+	0	NA	Intergeni	ALR/Alpha	-1868994	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chrX-6153	32.47764	-0.18895	0.395138	-0.47819	0.632516	0.713768	chrX	61532172	61532487	+	0	NA	Intergeni	ALR/Alpha	1819003	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-252	15.35824	-0.26752	0.56035	-0.47742	0.633064	0.713916	chr19	25231410	25233007	+	0	NA	Intergeni	ALR/Alpha	-1068761	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr8-4492	15.35824	-0.26752	0.56035	-0.47742	0.633064	0.713916	chr8	44925356	44925638	+	0	NA	Intergeni	ALR/Alpha	1633055	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1238	26.38767	-0.20672	0.433843	-0.47648	0.633732	0.714347	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2367803	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-236	17.47063	-0.25261	0.530367	-0.4763	0.633863	0.714347	chr17	23675671	23675871	+	0	NA	Intergeni	ALR/Alpha	1152660	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr11-536	21.92915	-0.22502	0.473727	-0.475	0.634788	0.715154	chr11	53691011	53691268	+	0	NA	Intergeni	ALR/Alpha	912859	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4661	85.67712	-0.12402	0.261247	-0.47471	0.634997	0.715154	chr5	46617310	46617696	+	0	NA	Intergeni	ALR/Alpha	-921123	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-269	22.11113	-0.22625	0.479092	-0.47224	0.636755	0.716666	chr19	26982928	26983127	+	0	NA	Intergeni	ALR/Alpha	-810404	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-255	19.72438	-0.23493	0.497675	-0.47205	0.636892	0.716666	chr19	25561703	25562921	+	0	NA	Intergeni	ALR/Alpha	-1398865	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chrX-6161	65.47906	-0.13776	0.292011	-0.47177	0.637094	0.716666	chrX	61614907	61615295	+	0	NA	Intergeni	ALR/Alpha	1736231	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1248	23.6285	-0.21713	0.460359	-0.47165	0.637176	0.716666	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3315339	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-170	19.81676	-0.23357	0.49673	-0.47022	0.638195	0.717577	chr15	17024484	17025930	+	0	NA	Intergeni	ALR/Alpha	-3257537	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr2-9237	15.31484	-0.26337	0.560838	-0.46961	0.638635	0.717835	chr2	92377234	92378790	+	0	NA	Intergeni	ALR/Alpha	436879	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-229	24.1612	-0.21178	0.452733	-0.46777	0.639948	0.719075	chr17	22935135	22935784	+	0	NA	Intergeni	ALR/Alpha	412348	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1246	48.18929	0.155083	0.332173	0.466872	0.640591	0.719563	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3096128	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4931	17.5441	-0.24475	0.525508	-0.46574	0.641399	0.720234	chr5	49313363	49313995	+	0	NA	Intergeni	ALR/Alpha	1127609	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-521	26.02083	-0.20519	0.441874	-0.46436	0.642386	0.721106	chr11	52161740	52162058	+	0	NA	Intergeni	ALR/Alpha	1752752	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-9282	19.72717	-0.23097	0.498261	-0.46355	0.642967	0.721166	chr2	92823860	92824758	+	0	NA	Intergeni	ALR/Alpha	883176	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9248	17.01419	-0.24836	0.535809	-0.46353	0.642984	0.721166	chr2	92489898	92492215	+	0	NA	Intergeni	ALR/Alpha	549923	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-262	22.34497	-0.22222	0.479539	-0.46341	0.643071	0.721166	chr19	26292261	26292471	+	0	NA	Intergeni	ALR/Alpha	-1501065	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1235	22.55423	-0.21789	0.472165	-0.46147	0.644463	0.72249	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2000164	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9115	27.60888	-0.19649	0.426097	-0.46113	0.644703	0.722522	chr3	91152293	91152514	+	0	NA	Intergeni	ALR/Alpha	2044782	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-247	27.65507	-0.19603	0.426373	-0.45975	0.645693	0.723395	chr19	24753872	24754149	+	0	NA	Intergeni	ALR/Alpha	-590563	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo

chr5-4884	21.45101	-0.21954	0.478064	-0.45922	0.646074	0.723586	chr5	48847443	48847675	+	0	NA	Intergeni	ALR/Alpha	1593729	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr2-9238	21.26173	0.220934	0.48289	0.457524	0.647294	0.724716	chr2	92387034	92387631	+	0	NA	Intergeni	ALR/Alpha	446199	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-260	51.82235	-0.14784	0.323781	-0.4566	0.647955	0.725169	chr19	26024094	26024311	+	0	NA	Intergeni	ALR/Alpha	-1769229	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-5863	17.06317	-0.24297	0.532395	-0.45637	0.648123	0.725169	chr7	58632312	58635947	+	0	NA	Intergeni	ALR/Alpha	1183952	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr2-9367	29.81923	-0.18674	0.410062	-0.45538	0.648832	0.725601	chr2	93672523	93672946	+	0	NA	Intergeni	ALR/Alpha	535685	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr2-9223	16.97079	-0.24459	0.537258	-0.45525	0.648932	0.725601	chr2	92231925	92233925	+	0	NA	Intergeni	ALR/Alpha	291792	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-523	25.38241	-0.20037	0.442137	-0.45319	0.650414	0.727021	chr11	52320619	52321209	+	0	NA	Intergeni	ALR/Alpha	1911767	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-270	17.08766	-0.24031	0.532158	-0.45157	0.651578	0.728084	chr19	27095943	27097148	+	0	NA	Intergeni	ALR/Alpha	-696886	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1243	21.49999	-0.21529	0.477441	-0.45092	0.652045	0.728369	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2829172	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1225	24.79514	0.201017	0.450075	0.446629	0.655143	0.73159	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1009361	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr11-524	30.96975	-0.18038	0.405433	-0.4449	0.656393	0.732747	chr11	52492890	52493168	+	0	NA	Intergeni	ALR/Alpha	2083882	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-9225	23.24832	-0.20392	0.461021	-0.44231	0.658264	0.73413	chr2	92253871	92254831	+	0	NA	Intergeni	ALR/Alpha	313218	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr12-349	17.09045	-0.23576	0.53303	-0.4423	0.658274	0.73413	chr12	34946695	34946988	+	0	NA	Intergeni	ALR/Alpha	924345	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4897	17.09045	-0.23576	0.53303	-0.4423	0.658274	0.73413	chr5	48975535	48975803	+	0	NA	Intergeni	ALR/Alpha	1465619	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4946	30.90354	-0.18254	0.413531	-0.44141	0.658914	0.734605	chr5	49469821	49470050	+	0	NA	Intergeni	ALR/Alpha	971353	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4832	21.86962	-0.21306	0.48678	-0.43768	0.661617	0.737378	chr5	48325069	48325315	+	0	NA	Intergeni	ALR/Alpha	2116096	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chrX-6236	30.55672	-0.17921	0.411523	-0.43549	0.663207	0.738909	chrX	62362395	62362960	+	0	NA	Intergeni	ALR/Alpha	988655	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr11-521	18.23819	-0.22577	0.520459	-0.43378	0.664445	0.739502	chr11	52183468	52183708	+	0	NA	Intergeni	ALR/Alpha	1774441	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-9253	20.51364	-0.21326	0.491637	-0.43377	0.664458	0.739502	chr2	92533572	92534498	+	0	NA	Intergeni	ALR/Alpha	592902	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chrX-5948	38.23753	-0.1615	0.372455	-0.43362	0.664567	0.739502	chrX	59488012	59489036	+	0	NA	Intergeni	ALR/Alpha	-1577891	NM_007156	7789	Hs.550094	NM_007156	ENSG0000	ZXDA	ZNF896	zinc fing	protein-coding
chrX-6207	18.70021	-0.22189	0.511775	-0.43357	0.664602	0.739502	chrX	62074740	62075452	+	0	NA	Intergeni	ALR/Alpha	1276236	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr17-253	16.00893	-0.24098	0.556441	-0.43307	0.664961	0.739661	chr17	25375417	25375617	+	0	NA	Intergeni	ALR/Alpha	1713724	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4672	22.94216	0.200851	0.4654	0.431566	0.666057	0.740464	chr5	46721258	46721593	+	0	NA	Intergeni	ALR/Alpha	-1025045	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr10-403	29.2053	-0.18065	0.418662	-0.43149	0.666115	0.740464	chr10	40315195	40315534	+	0	NA	Intergeni	ALR/Alpha	1618768	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4801	17.13943	-0.2303	0.537414	-0.42854	0.66826	0.742608	chr5	48013865	48014073	+	0	NA	Intergeni	ALR/Alpha	-2317589	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr11-512	24.33095	-0.19408	0.453664	-0.4278	0.668797	0.742963	chr11	51284263	51285088	+	0	NA	Intergeni	ALR/Alpha	875528	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1218	26.60919	-0.1841	0.432278	-0.42589	0.670189	0.744268	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	340944	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4789	20.56262	-0.20877	0.490881	-0.42531	0.670613	0.744498	chr5	47891967	47892176	+	0	NA	Intergeni	ALR/Alpha	-2195691	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr1-1222	16.03621	-0.23309	0.549312	-0.42433	0.671328	0.74505	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	744801	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr2-9262	18.24377	-0.21714	0.515798	-0.42097	0.673774	0.747335	chr2	92622879	92625785	+	0	NA	Intergeni	ALR/Alpha	683199	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1248	19.96482	-0.21006	0.499077	-0.42091	0.673823	0.747335	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3343248	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chrX-6247	54.54592	-0.13651	0.324969	-0.42008	0.674429	0.747765	chrX	62471948	62473142	+	0	NA	Intergeni	ALR/Alpha	878787	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4955	25.39356	-0.1878	0.447634	-0.41955	0.674817	0.747953	chr5	49553310	49553674	+	0	NA	Intergeni	ALR/Alpha	887796	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1247	34.45308	-0.1607	0.383964	-0.41853	0.675562	0.748537	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3200768	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4652	29.92277	-0.17493	0.418372	-0.41812	0.675859	0.748624	chr5	46524164	46524408	+	0	NA	Intergeni	ALR/Alpha	-827906	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr2-9275	18.33615	-0.21571	0.516384	-0.41774	0.67614	0.748693	chr2	92755302	92756056	+	0	NA	Intergeni	ALR/Alpha	814546	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9334	16.039	-0.22826	0.548137	-0.41643	0.677097	0.749511	chr2	93346297	93348275	+	0	NA	Intergeni	ALR/Alpha	861133	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr17-248	15.1684	0.238033	0.573516	0.415041	0.678112	0.750391	chr17	24821226	24821427	+	0	NA	Intergeni	ALR/Alpha	2267915	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-236	20.47582	-0.2024	0.489139	-0.41379	0.679031	0.750898	chr17	23632413	23632635	+	0	NA	Intergeni	ALR/Alpha	1109413	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-5003	27.16577	0.178564	0.431742	0.413591	0.679174	0.750898	chr5	50031670	50031890	+	0	NA	Intergeni	ALR/Alpha	409508	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4997	23.92071	-0.18938	0.457972	-0.41352	0.679227	0.750898	chr5	49975993	49976456	+	0	NA	Intergeni	ALR/Alpha	465064	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr2-9328	27.71353	-0.17767	0.43033	-0.41286	0.679707	0.751186	chr2	93286111	93286606	+	0	NA	Intergeni	ALR/Alpha	922061	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr1-1249	28.29242	-0.1732	0.420392	-0.41201	0.680335	0.751637	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3386895	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-266	18.29275	-0.21218	0.515521	-0.41158	0.680649	0.751695	chr19	26675488	26677143	+	0	NA	Intergeni	ALR/Alpha	-1117116	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr18-194	23.9669	-0.18888	0.45918	-0.41134	0.680826	0.751695	chr18	19426410	19426749	+	0	NA	Intergeni	ALR/Alpha	1685234	NM_005406	6093	Hs.306307	NM_005406	ENSG0000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-271	27.787	-0.17256	0.424678	-0.40634	0.684491	0.755304	chr19	27152820	27153185	+	0	NA	Intergeni	ALR/Alpha	-640429	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr17-240	42.01981	-0.14769	0.363515	-0.40628	0.684536	0.755304	chr17	24062456	24062699	+	0	NA	Intergeni	ALR/Alpha	1539466	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-271	34.21258	0.157916	0.389093	0.405857	0.684847	0.755405	chr19	27125210	27125436	+	0	NA	Intergeni	ALR/Alpha	-668108	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr11-522	15.55807	-0.22578	0.557244	-0.40517	0.685352	0.755719	chr11	52211964	52213005	+	0	NA	Intergeni	ALR/Alpha	1803337	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4671	15.23629	0.235711	0.582592	0.40459	0.685779	0.755946	chr5	46713064	46713318	+	0	NA	Intergeni	ALR/Alpha	-1016811	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr7-6038	22.15625	-0.1906	0.471597	-0.40417	0.686089	0.756044	chr7	60383150	60383419	+	0	NA	Intergeni	ALR/Alpha	2920772	NR_003952	643955	Hs.583308	NR_003952	ENSG0000	ZNF733P	ZNF733	zinc fing	pseudo
chr12-356	20.47861	-0.19853	0.491656	-0.4038	0.68636	0.756099	chr12	35614815	35615520	+	0	NA	Intergeni	ALR/Alpha	1592671	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-250	17.27912	-0.21696	0.540496	-0.40141	0.688119	0.757547	chr19	25058398	25059582	+	0	NA	Intergeni	ALR/Alpha	-895543	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-270	49.20348	-0.13162	0.328005	-0.40128	0.688217	0.757547	chr19	27091770	27092983	+	0	NA	Intergeni	ALR/Alpha	-701055	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1223	19.97319	-0.19824	0.494236	-0.40111	0.688337	0.757547	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	827152	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr17-265	25.51155	-0.17798	0.444473	-0.40042	0.688845	0.757862	chr17	26596312	26596666	+	0	NA	Intergeni	ALR/Alpha	492752	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-250	18.5271	0.21756	0.543988	0.399936	0.689204	0.758014	chr19	25032841	25033098	+	0	NA	Intergeni	ALR/Alpha	-869522	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr1-1234	19.8808	-0.19951	0.499613	-0.39933	0.68965	0.758261	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1927946	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1231	74.96886	-0.11427	0.286979	-0.39817	0.690509	0.758961	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1601279	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-245	20.13346	-0.19792	0.501154	-0.39492	0.692902	0.761347	chr19	24504373	24504583	+	0	NA	Intergeni	ALR/Alpha	-341031	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr9-4373	19.49226	-0.19553	0.499904	-0.39114	0.695695	0.764171	chr9	43731773	43732086	+	0	NA	Intergeni	ALR/Alpha	605763	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4763	15.00925	-0.22193	0.569378	-0.38977	0.696708	0.765039	chr5	47631832	47633504	+	0	NA	Intergeni	ALR/Alpha	-1936288	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr19-265	23.49155	-0.17969	0.462067	-0.38888	0.697367	0.765518	chr19	26547296	26547503	+	0	NA	Intergeni	ALR/Alpha	-1246032	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1239	15.47126	-0.21746	0.563617	-0.38583	0.699622	0.767578	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2459826	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1227	15.60984	-0.215	0.557367	-0.38574	0.699693	0.767578	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1186670	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr2-9305	23.44815	-0.17684	0.458975	-0.38528	0.700026	0.767699	chr2	93059970	93060265	+	0	NA	Intergeni	ALR/Alpha	1118984	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1239	19.44885	-0.19219	0.500953	-0.38365	0.701235	0.768778	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2451187	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr2-9347	15.05823	-0.21586	0.565031	-0.38203	0.702439	0.769852	chr2	93471368	93472116	+	0	NA	Intergeni	ALR/Alpha	736677	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr2-9251	28.26452	0.164186	0.430522	0.381365	0.702933	0.770146	chr2	92516603	92517106	+	0	NA	Intergeni	ALR/Alpha	575721	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5936	15.10442	-0.21501	0.565723	-0.38006	0.703905	0.770965	chr7	59366448	59367269	+	0	NA	Intergeni	ALR/Alpha	1916681	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr1-1241	18.87275	-0.1948	0.513348	-0.37948	0.704333	0.771188	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2622739	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr17-235	17.40157	-0.20352	0.537011	-0.37898	0.704701	0.771284	chr17	23531109	23531338	+	0	NA	Intergeni	ALR/Alpha	1008112	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1239	17.31198	-0.20048	0.529311	-0.37875	0.704872	0.771284	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2480906	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-250	15.03653	-0.21373	0.565309	-0.37808	0.705373	0.771586	chr19	25017378	25018196	+	0	NA	Intergeni	ALR/Alpha	-854340	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-252	15.08272	-0.21287	0.564614	-0.37702	0.706156	0.772196	chr19	25277065	25277699	+	0	NA	Intergeni	ALR/Alpha	-1113935	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-268	37.08594	-0.14509	0.387741	-0.3742	0.708257	0.773658	chr19	26897623	26897857	+	0	NA	Intergeni	ALR/Alpha	-895691	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr11-511	36.44464	-0.14084	0.376547	-0.37404	0.708375	0.773658	chr11	51186273	51186814	+	0	NA	Intergeni	ALR/Alpha	777396	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4934	15.01482	-0.21159	0.566984	-0.37319	0.709005	0.773658	chr5	49343858	49344724	+	0	NA	Intergeni	ALR/Alpha	1096997	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4993	26.5774	0.167049	0.447657	0.373163	0.709027	0.773658	chr5	49933624	49933972	+	0	NA	Intergeni	ALR/Alpha	507490	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr11-515	16.76037	-0.20083	0.538301	-0.37309	0.709085	0.773658	chr11	51572748	51573863	+	0	NA	Intergeni	ALR/Alpha	1164158	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chrX-6180	24.64486	-0.16877	0.452655	-0.37284	0.709269	0.773658	chrX	61809477	61810003	+	0	NA	Intergeni	ALR/Alpha	1541592	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr19-258	26.80902	-0.16064	0.431029	-0.37268	0.709384	0.773658	chr19	25837910	25839213	+	0	NA	Intergeni	ALR/Alpha	-1675114	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr5-4675	25.72303	0.165636	0.444481	0.37265	0.709409	0.773658	chr5	46756735	46757085	+	0	NA	Intergeni	ALR/Alpha	-1060530	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr11-519	19.01412	-0.18859	0.506283	-0.37249	0.709525	0.773658	chr11	51961068	51961414	+	0	NA	Intergeni	ALR/Alpha	1552094	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-246	20.59938	-0.18218	0.491546	-0.37062	0.71092	0.774932	chr19	24667533	24667745	+	0	NA	Intergeni	ALR/Alpha	-504192	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr2-9271	32.32847	-0.14778	0.399084	-0.3703	0.711157	0.774944	chr2	92713516	92714030	+	0	NA	Intergeni	ALR/Alpha	772640	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr22-142	19.38375	-0.187	0.509985	-0.36667	0.713864	0.777647	chr22	14242887	14243110	+	0	NA	Intergeni	ALR/Alpha	-1285161	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr10-408	32.53773	-0.14482	0.395774	-0.36593	0.71442	0.777759	chr10	40863296	40863521	+	0	NA	Intergeni	ALR/Alpha	1504637	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr17-254	19.88917	-0.18722	0.511645	-0.36592	0.714421	0.777759	chr17	25497275	25497569	+	0	NA	Intergeni	ALR/Alpha	1591819	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1223	18.92452	-0.18582	0.508475	-0.36544	0.714783	0.777906	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	867665	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-264	24.48737	-0.1657	0.454074	-0.36492	0.715172	0.778081	chr20	26438007	26438378	+	0	NA	Intergeni	ALR/Alpha	-228959	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr11-516	102.084	-0.08811	0.243103	-0.36244	0.717022	0.779606	chr11	51662597	51662871	+	0	NA	Intergeni	ALR/Alpha	1253587	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chrX-6095	49.92483	0.121154	0.334328	0.362381	0.717067	0.779606	chrX	60950789	60951190	+	0	NA	Intergeni	ALR/Alpha	2400343	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4710	18.59996	0.187815	0.51864	0.362129	0.717256	0.779606	chr5	47107782	47108011	+	0	NA	Intergeni	ALR/Alpha	-1411516	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr17-229	16.27944	-0.19776	0.550246	-0.35941	0.719292	0.781436	chr17	22948350	22949146	+	0	NA	Intergeni	ALR/Alpha	425637	NM_001190	1E+08	Hs.740185	NM_001190	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4977	28.58463	-0.15037	0.41856	-0.35927	0.719396	0.781436	chr5	49773849	49774102	+	0	NA	Intergeni	ALR/Alpha	667313	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-271	36.26824	-0.13552	0.378334	-0.35819	0.720201	0.782063	chr19	27175560	27176619	+	0	NA	Intergeni	ALR/Alpha	-617342	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1242	20.69734	-0.17334	0.485832	-0.3568	0.721243	0.782947	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2703144	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1228	58.70224	-0.11021	0.309597	-0.35597	0.721861	0.783369	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1287106	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chrX-6246	17.91089	-0.1891	0.532913	-0.35485	0.722704	0.784035	chrX	62467097	62468135	+	0	NA	Intergeni	ALR/Alpha	883716	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr20-288	16.23603	-0.19367	0.546862	-0.35414	0.72323	0.784358	chr20	28898531	28910834	+	0	NA	Intergeni	ALR/Alpha	-175708	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr1-1227	16.28222	-0.19288	0.546092	-0.35321	0.723933	0.784871	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1254489	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1227	20.72183	-0.17116	0.486193	-0.35204	0.724805	0.785568	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1199695	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4876	24.03373	-0.15768	0.455044	-0.34651	0.728959	0.789821	chr5	48761172	48761448	+	0	NA	Intergeni	ALR/Alpha	1679978	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chrX-5950	19.01299	0.176553	0.510279	0.345994	0.729348	0.789992	chrX	59501238	59504425	+	0	NA	Intergeni	ALR/Alpha	-1592198	NM_007156	7789	Hs.550094	NM_007156	ENSG0000	ZXDA	ZNF896	zinc fing	protein-coding
chr11-538	20.67843	-0.16795	0.488874	-0.34354	0.73119	0.791738	chr11	53894935	53895181	+	0	NA	Intergeni	ALR/Alpha	708940	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chrX-5891	29.70731	0.141152	0.41359	0.341285	0.732889	0.793327	chrX	58915314	58917628	+	0	NA	Intergeni	ALR/Alpha	-1005838	NM_007156	7789	Hs.550094	NM_007156	ENSG0000	ZXDA	ZNF896	zinc fing	protein-coding
chr5-4900	15.70891	-0.19111	0.560566	-0.34093	0.733159	0.793367	chr5	49005690	49005910	+	0	NA	Intergeni	ALR/Alpha	1435488	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr11-526	20.70292	-0.16572	0.489949	-0.33825	0.735176	0.795299	chr11	52672513	52672745	+	0	NA	Intergeni	ALR/Alpha	1931369	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr2-9335	21.9909	0.160059	0.474134	0.337581	0.735679	0.795593	chr2	93356209	93356469	+	0	NA	Intergeni	ALR/Alpha	852080	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr2-9256	17.91926	-0.17564	0.521664	-0.33669	0.736352	0.796069	chr2	92560611	92562620	+	0	NA	Intergeni	ALR/Alpha	620482	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9249	35.52734	0.128293	0.382614	0.335305	0.737395	0.796945	chr2	92495481	92495994	+	0	NA	Intergeni	ALR/Alpha	554604	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr4-5099	16.14923	-0.18563	0.555428	-0.33422	0.738214	0.797445	chr4	50996391	50996759	+	0	NA	Intergeni	ALR/Alpha	-846425	NM_015115	23142	Hs.605388	NM_015115	ENSG0000	DCUN1D4	-	defective	protein-coding
chr5-4796	15.75789	-0.18523	0.554465	-0.33407	0.738323	0.797445	chr5	47962211	47964001	+	0	NA	Intergeni	ALR/Alpha	-2266726	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr19-268	49.43505	-0.11538	0.347115	-0.3324	0.739588	0.798559	chr19	26878100	26878321	+	0	NA	Intergeni	ALR/Alpha	-915221	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr11-511	19.57521	-0.16706	0.504639	-0.33104	0.740613	0.799415	chr11	51114083	51114301	+	0	NA	Intergeni	ALR/Alpha	705045	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chrX-6085	15.44951	0.18554	0.561842	0.330235	0.741222	0.799555	chrX	60850118	60851327	+	0	NA	Intergeni	ALR/Alpha	2500610	NM_001012	139886	Hs.612782	NM_001012	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr17-262	18.38128	-0.17293	0.523704	-0.33021	0.741241	0.799555	chr17	26280337	26280545	+	0	NA	Intergeni	ALR/Alpha	808800	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-269	24.24577	-0.15048	0.456078	-0.32994	0.741444	0.799555	chr19	26984840	26985072	+	0	NA	Intergeni	ALR/Alpha	-808475	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-411	19.54012	0.164728	0.502327	0.327931	0.742964	0.800786	chr10	41186184	41186661	+	0	NA	Intergeni	ALR/Alpha	1181623	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-295	21.92413	-0.15511	0.473165	-0.32781	0.743053	0.800786	chr20	29513053	29513465	+	0	NA	Intergeni	Intergeni	-15925	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr5-4949	51.23737	-0.1051	0.32249	-0.32589	0.744507	0.802101	chr5	49492262	49493474	+	0	NA	Intergeni	ALR/Alpha	948420	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4902	73.46548	-0.09601	0.295453	-0.32497	0.745203	0.802598	chr5	49027213	49027434	+	0	NA	Intergeni	ALR/Alpha	1413965	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding

chr2-9258	28.75438	-0.13592	0.420957	-0.32289	0.746775	0.803966	chr2	92588763	92589501	+	0	NA	Intergeni	ALR/Alpha	647999	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-515	27.03054	-0.1388	0.430331	-0.32254	0.747041	0.803966	chr11	51547851	51548070	+	0	NA	Intergeni	ALR/Alpha	1138813	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-285	18.40571	0.16621	0.515637	0.322339	0.747196	0.803966	chr20	28552122	28554482	+	0	NA	Intergeni	ALR/Alpha	49363	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chrX-5992	15.73898	-0.17827	0.553546	-0.32205	0.747411	0.803966	chrX	59928180	59929689	+	0	NA	Intergeni	ALR/Alpha	-2018301	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr21-795	17.46282	-0.16939	0.52732	-0.32122	0.748042	0.804392	chr21	7956171	7969566	+	0	NA	Intergeni	ALR/Alpha	-133236	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr1-1248	16.26889	-0.1765	0.55013	-0.32084	0.748334	0.804454	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3336534	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1248	26.91646	-0.13848	0.433795	-0.31924	0.749548	0.805505	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3290571	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4488	15.20907	-0.1801	0.567159	-0.31755	0.750824	0.806624	chr8	44887108	44887375	+	0	NA	Intergeni	ALR/Alpha	1594799	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1248	46.80831	0.106729	0.33657	0.317108	0.751162	0.806734	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3367860	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-535	19.71936	-0.1572	0.497665	-0.31588	0.752091	0.807478	chr11	53519613	53519917	+	0	NA	Intergeni	ALR/Alpha	1084233	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr7-5878	17.5335	-0.16612	0.52706	-0.31519	0.752619	0.807793	chr7	58783892	58784334	+	0	NA	Intergeni	ALR/Alpha	1333936	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9236	19.09707	-0.15941	0.508898	-0.31325	0.754092	0.809119	chr2	92367835	92369326	+	0	NA	Intergeni	ALR/Alpha	427447	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5972	16.9574	-0.16823	0.540257	-0.31139	0.755504	0.810381	chr7	59726595	59727021	+	0	NA	Intergeni	ALR/Alpha	2276631	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-512	26.60305	0.134611	0.434173	0.31004	0.756531	0.811228	chr11	51264609	51264866	+	0	NA	Intergeni	ALR/Alpha	855590	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-942	19.48834	0.156411	0.507032	0.308483	0.757715	0.812244	chr11	94233618	94237470	+	0	NA	Intergeni	L1PA2|LIN	-70093	NM_001199	390243	Hs.553758	NM_001080	ENSG00000	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr1-1237	15.72007	-0.17122	0.559061	-0.30626	0.75941	0.813806	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2196956	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	15.81245	-0.1697	0.555742	-0.30536	0.760094	0.814254	chr19	26912931	26913508	+	0	NA	Intergeni	ALR/Alpha	-880212	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-528	16.96019	-0.16353	0.536011	-0.30508	0.760303	0.814254	chr11	52821308	52821780	+	0	NA	Intergeni	ALR/Alpha	1782454	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-415	20.89438	-0.14706	0.484295	-0.30366	0.761385	0.815157	chr10	41553296	41553751	+	0	NA	Intergeni	ALR/Alpha	814522	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9242	16.93849	-0.16159	0.535583	-0.30171	0.76287	0.816492	chr2	92429171	92431455	+	0	NA	Intergeni	ALR/Alpha	489180	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-252	16.44143	0.168259	0.558303	0.301376	0.763128	0.816513	chr17	25257831	25258060	+	0	NA	Intergeni	ALR/Alpha	1831296	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr12-360	15.74456	-0.16832	0.559802	-0.30067	0.763666	0.816834	chr12	36000128	36000740	+	0	NA	Intergeni	ALR/Alpha	1977938	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-409	15.37493	-0.1696	0.566051	-0.29962	0.764463	0.817432	chr10	40926465	40926722	+	0	NA	Intergeni	ALR/Alpha	1441452	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-283	16.96298	-0.15894	0.533953	-0.29767	0.765953	0.818769	chr20	28303711	28304282	+	0	NA	Intergeni	ALR/Alpha	298669	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-259	15.28533	-0.16617	0.561415	-0.29598	0.767244	0.819734	chr19	25960505	25960837	+	0	NA	Intergeni	ALR/Alpha	-1797224	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-6040	15.19295	-0.16773	0.566934	-0.29586	0.767334	0.819734	chr7	60400908	60401460	+	0	NA	Intergeni	ALR/Alpha	2902872	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr14-106	20.45685	-0.14673	0.497746	-0.29479	0.768158	0.820358	chr14	1.07E+08	1.07E+08	+	0	NA	Intergeni	Intergeni	98598	NR_049827	1.01E+08		NR_049827	ENSG00000	MIR5195	-	microRNA	ncRNA
chr19-250	15.33152	-0.16535	0.562423	-0.294	0.768756	0.820741	chr19	25042546	25042923	+	0	NA	Intergeni	ALR/Alpha	-879287	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chrX-5905	21.81836	0.139968	0.476966	0.293455	0.769175	0.820932	chrX	59050923	59051317	+	0	NA	Intergeni	ALR/Alpha	-1140487	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr2-9261	16.89509	-0.15775	0.538324	-0.29304	0.769494	0.821018	chr2	92614929	92615386	+	0	NA	Intergeni	ALR/Alpha	674024	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1249	22.04769	-0.13665	0.47579	-0.28721	0.773951	0.825516	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3407694	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9299	20.37004	-0.14003	0.490408	-0.28553	0.77524	0.826213	chr2	92994226	92995894	+	0	NA	Intergeni	ALR/Alpha	1053927	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1249	20.32385	-0.14063	0.492682	-0.28544	0.775305	0.826213	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3415162	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6008	65.06546	-0.08358	0.293043	-0.28521	0.775487	0.826213	chrX	60082937	60083380	+	0	NA	Intergeni	ALR/Alpha	-2172525	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr19-260	17.58917	0.151033	0.529758	0.285098	0.775569	0.826213	chr19	26003948	26004172	+	0	NA	Intergeni	ALR/Alpha	-1789371	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-541	29.5264	0.118284	0.415759	0.284501	0.776026	0.826297	chr11	54132879	54133109	+	0	NA	Intergeni	ALR/Alpha	471004	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1236	47.57258	-0.09657	0.339596	-0.28436	0.776131	0.826297	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2099651	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6137	20.39454	-0.13782	0.489345	-0.28165	0.778214	0.828199	chr7	61378493	61379469	+	0	NA	Intergeni	ALR/Alpha	1925075	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr18-185	18.73859	-0.14351	0.509987	-0.2814	0.778401	0.828199	chr18	18533091	18533349	+	0	NA	Intergeni	ALR/Alpha	2578593	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr1-1244	61.36113	-0.08542	0.304982	-0.28007	0.779427	0.828883	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2948036	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6128	25.91678	-0.12359	0.441489	-0.27993	0.779528	0.828883	chrX	61282489	61282799	+	0	NA	Intergeni	ALR/Alpha	2068688	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chrX-5854	22.9416	0.126531	0.468406	0.270131	0.78706	0.836382	chrX	58540954	58555512	+	0	NA	Intergeni	ALR/Alpha	-637600	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr11-528	22.07776	-0.12747	0.472013	-0.27006	0.78711	0.836382	chr11	52815040	52815527	+	0	NA	Intergeni	ALR/Alpha	1788715	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1247	16.55552	-0.14644	0.542752	-0.2698	0.787312	0.836382	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3197910	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9282	25.38965	-0.12064	0.447825	-0.26939	0.787629	0.836459	chr2	92829616	92830994	+	0	NA	Intergeni	ALR/Alpha	889172	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4841	18.18977	-0.13798	0.516337	-0.26722	0.789299	0.837973	chr5	48418744	48418979	+	0	NA	Intergeni	ALR/Alpha	2022427	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9305	21.45547	-0.12887	0.487395	-0.2644	0.791472	0.839856	chr2	93050067	93050876	+	0	NA	Intergeni	ALR/Alpha	1109338	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-264	23.96467	-0.12133	0.459745	-0.2639	0.791858	0.839856	chr19	26443785	26444012	+	0	NA	Intergeni	ALR/Alpha	-1349533	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-132	16.41973	-0.14389	0.545601	-0.26373	0.791987	0.839856	chr22	13245088	13245442	+	0	NA	Intergeni	ALR/Alpha	1347859	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-285	29.33773	0.109776	0.416376	0.263646	0.792053	0.839856	chr20	28528750	28529027	+	0	NA	Intergeni	ALR/Alpha	73777	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chrX-6111	25.57721	-0.11567	0.440578	-0.26254	0.792906	0.8405	chrX	61113243	61113824	+	0	NA	Intergeni	ALR/Alpha	2237799	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chrX-6107	66.11306	-0.07734	0.295161	-0.26204	0.793289	0.840646	chrX	61072483	61072840	+	0	NA	Intergeni	ALR/Alpha	2278671	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-265	23.20659	-0.12053	0.465522	-0.25891	0.795707	0.84264	chr19	26502229	26502616	+	0	NA	Intergeni	ALR/Alpha	-1291009	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-248	28.50329	0.113284	0.437822	0.258746	0.795832	0.84264	chr19	24863116	24863348	+	0	NA	Intergeni	ALR/Alpha	-699785	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1239	25.11519	-0.11658	0.45074	-0.25865	0.795908	0.84264	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2431157	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1244	41.17868	0.09267	0.359617	0.25769	0.796646	0.84316	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2893845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-264	28.61642	-0.11275	0.443374	-0.25429	0.79927	0.845676	chr20	26453930	26454176	+	0	NA	Intergeni	ALR/Alpha	-244820	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-513	15.7117	0.142037	0.560046	0.253616	0.799793	0.845968	chr11	51372390	51372662	+	0	NA	Intergeni	ALR/Alpha	963379	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr8-7580	15.2007	0.143694	0.568846	0.252606	0.800573	0.846531	chr8	7580911	7581567	+	0	NA	Intergeni	Intergeni	-6841	NR_046343	441317	Hs.715411	NM_001136572		FAM90A7P	FAM90A7	putative	pseudo
chrX-6139	21.64581	-0.1193	0.476093	-0.25059	0.802131	0.847918	chrX	61390696	61391107	+	0	NA	Intergeni	ALR/Alpha	1960431	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4707	23.28006	-0.11468	0.4606	-0.24897	0.803383	0.848979	chr5	47074226	47074446	+	0	NA	Intergeni	ALR/Alpha	-1377956	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4672	15.7551	0.137591	0.554879	0.247965	0.804161	0.84954	chr5	46726281	46726493	+	0	NA	Intergeni	ALR/Alpha	-1030007	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1218	17.66543	-0.1296	0.523842	-0.2474	0.804597	0.849738	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	367522	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4858	29.19358	0.103577	0.421718	0.245608	0.805986	0.850942	chr5	48581332	48581546	+	0	NA	Intergeni	ALR/Alpha	1859849	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1244	19.7834	-0.1236	0.505715	-0.24442	0.806909	0.851311	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2899093	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	21.11032	0.11811	0.483435	0.244314	0.806988	0.851311	chr20	28546493	28547339	+	0	NA	Intergeni	ALR/Alpha	55749	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4866	15.7768	0.135418	0.554552	0.244194	0.80708	0.851311	chr5	48661510	48661730	+	0	NA	Intergeni	ALR/Alpha	1779668	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4815	19.39206	-0.12194	0.501155	-0.24331	0.807767	0.851601	chr5	48157022	48157555	+	0	NA	Intergeni	ALR/Alpha	2284000	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6122	19.29968	-0.12316	0.506433	-0.2432	0.807853	0.851601	chrX	61221629	61222678	+	0	NA	Intergeni	ALR/Alpha	2129179	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4692	21.11869	-0.11552	0.481646	-0.23985	0.810444	0.85407	chr5	46925679	46927515	+	0	NA	Intergeni	ALR/Alpha	-1230217	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4735	21.16488	-0.11499	0.482226	-0.23845	0.811533	0.854954	chr5	47358696	47358907	+	0	NA	Intergeni	ALR/Alpha	-1662421	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chrX-6225	28.59188	0.100847	0.424416	0.237613	0.812181	0.855374	chrX	62255222	62255620	+	0	NA	Intergeni	ALR/Alpha	1095911	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr7-5983	17.76061	-0.12391	0.524575	-0.23621	0.813268	0.856256	chr7	59832961	59833170	+	0	NA	Intergeni	ALR/Alpha	2382888	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4822	15.41447	-0.12937	0.561007	-0.23061	0.81762	0.860523	chr5	48224213	48224697	+	0	NA	Intergeni	ALR/Alpha	2216833	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-264	17.27689	-0.12326	0.535121	-0.23035	0.817823	0.860523	chr19	26495040	26495241	+	0	NA	Intergeni	ALR/Alpha	-1298291	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-544	16.81324	0.125719	0.548403	0.229245	0.818678	0.861158	chr11	54406801	54407040	+	0	NA	Intergeni	ALR/Alpha	197078	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4653	26.25796	0.101159	0.442718	0.228496	0.819261	0.861506	chr5	46535457	46535727	+	0	NA	Intergeni	ALR/Alpha	-839212	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4702	22.3399	-0.10789	0.473195	-0.228	0.819643	0.861644	chr5	47026869	47027823	+	0	NA	Intergeni	ALR/Alpha	-1330966	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4877	18.88943	-0.11541	0.508033	-0.22718	0.820284	0.862054	chr5	48775554	48776854	+	0	NA	Intergeni	ALR/Alpha	1665084	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9248	15.48516	-0.12576	0.557614	-0.22554	0.82156	0.86313	chr2	92486049	92487377	+	0	NA	Intergeni	ALR/Alpha	545580	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1247	25.52048	-0.10203	0.453106	-0.22519	0.821835	0.863153	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3235588	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1232	27.91391	-0.09457	0.423359	-0.22339	0.823231	0.864354	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1715750	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-535	19.00631	-0.11187	0.510778	-0.21902	0.826637	0.867665	chr11	53537615	53537960	+	0	NA	Intergeni	ALR/Alpha	1066211	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1249	16.63568	-0.11799	0.542755	-0.21739	0.827905	0.868729	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3400826	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6247	16.68187	-0.11727	0.541182	-0.2167	0.828444	0.868899	chrX	62479069	62481665	+	0	NA	Intergeni	ALR/Alpha	870965	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr3-9303	26.14388	-0.09534	0.440287	-0.21653	0.828573	0.868899	chr3	93039078	93039324	+	0	NA	Intergeni	ALR/Alpha	934880	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr21-107	24.02592	-0.09717	0.453435	-0.2143	0.830313	0.870456	chr21	10794542	10814490	+	0	NA	Intergeni	L1P1|LINE	283002	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr2-9361	31.86594	0.089957	0.420939	0.213705	0.830777	0.870677	chr2	93612230	93612474	+	0	NA	Intergeni	ALR/Alpha	596067	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr18-181	16.06405	-0.1196	0.563537	-0.21223	0.831931	0.871619	chr18	18156551	18156790	+	0	NA	Intergeni	ALR/Alpha	-2830751	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr11-942	20.04554	-0.1019	0.495747	-0.20555	0.837141	0.876542	chr11	94238332	94239845	+	0	NA	Intergeni	L1PA4|LIN	-66549	NM_001199	390243	Hs.553758	NM_001080	ENSG00000	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr22-142	20.04554	-0.1019	0.495747	-0.20555	0.837141	0.876542	chr22	14225353	14225595	+	0	NA	Intergeni	ALR/Alpha	-1302685	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr19-244	15.00645	0.116584	0.568111	0.205213	0.837406	0.876551	chr19	24433147	24433935	+	0	NA	Intergeni	ALR/Alpha	-270094	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-236	15.00702	-0.1147	0.566354	-0.20253	0.839505	0.878481	chr17	23690054	23690266	+	0	NA	Intergeni	ALR/Alpha	1167049	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-259	71.69707	-0.0575	0.284386	-0.20218	0.839775	0.878494	chr17	25908829	25909068	+	0	NA	Intergeni	ALR/Alpha	1180293	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4869	17.79347	-0.10737	0.542193	-0.19804	0.843016	0.881616	chr5	48691538	48691772	+	0	NA	Intergeni	ALR/Alpha	1749633	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-6010	19.22727	0.099426	0.508064	0.195695	0.844849	0.883262	chr7	60100948	60101322	+	0	NA	Intergeni	ALR/Alpha	2650958	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1248	17.93538	0.101509	0.521328	0.194712	0.845619	0.883701	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3345308	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5978	29.23587	-0.08071	0.415214	-0.19438	0.845878	0.883701	chr6	59788665	59788868	+	0	NA	Intergeni	ALR/Alpha	-1785364	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chrX-6040	33.70108	-0.0758	0.390394	-0.19415	0.846058	0.883701	chrX	60403677	60404329	+	0	NA	Intergeni	ALR/Alpha	-2493370	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr15-177	15.60761	-0.11091	0.572144	-0.19384	0.8463	0.883701	chr15	17753177	17753618	+	0	NA	Intergeni	ALR/Alpha	-2529347	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr19-266	50.92676	-0.06199	0.323626	-0.19154	0.848099	0.88531	chr19	26630689	26630911	+	0	NA	Intergeni	ALR/Alpha	-1162631	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4750	36.00492	0.072896	0.38418	0.189744	0.84951	0.886512	chr5	47500844	47501061	+	0	NA	Intergeni	ALR/Alpha	-1804572	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-249	26.74944	0.080529	0.43211	0.186363	0.85216	0.888792	chr19	24933790	24934002	+	0	NA	Intergeni	ALR/Alpha	-770449	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1248	27.90275	0.079088	0.424528	0.186296	0.852213	0.888792	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3365023	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-249	16.57616	-0.10252	0.552421	-0.18558	0.852776	0.889109	chr17	24980976	24981293	+	0	NA	Intergeni	ALR/Alpha	2108107	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-236	15.08049	-0.10568	0.573584	-0.18425	0.853819	0.88961	chr17	23635804	23636019	+	0	NA	Intergeni	ALR/Alpha	1112800	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1249	52.40625	0.059195	0.321446	0.184151	0.853895	0.88961	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3402738	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-254	16.13863	-0.10063	0.54799	-0.18364	0.854296	0.88961	chr17	25452820	25453048	+	0	NA	Intergeni	ALR/Alpha	1636307	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-123	16.13863	-0.10063	0.54799	-0.18364	0.854296	0.88961	chr21	12333940	12334173	+	0	NA	Intergeni	ALR/Alpha	-704110	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-285	19.73269	0.09147	0.499443	0.183144	0.854685	0.889745	chr20	28509421	28513816	+	0	NA	Intergeni	ALR/Alpha	91047	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4729	26.35983	-0.07958	0.437503	-0.18189	0.855669	0.890461	chr5	47299167	47299399	+	0	NA	Intergeni	ALR/Alpha	-1602903	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chrX-5965	23.94469	-0.08471	0.466428	-0.18161	0.855892	0.890461	chrX	59653181	59653428	+	0	NA	Intergeni	ALR/Alpha	-1742671	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr19-269	16.16312	-0.09791	0.546748	-0.17907	0.85788	0.892258	chr19	26997314	26997632	+	0	NA	Intergeni	ALR/Alpha	-795958	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-540	21.29682	-0.08517	0.479851	-0.17749	0.85912	0.893276	chr11	54002202	54003094	+	0	NA	Intergeni	ALR/Alpha	601350	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-530	20.19471	0.087425	0.498226	0.175472	0.860709	0.894657	chr11	53062952	53063387	+	0	NA	Intergeni	ALR/Alpha	1540829	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-9375	24.63599	-0.07889	0.451657	-0.17467	0.861337	0.895038	chr2	93758522	93758826	+	0	NA	Intergeni	ALR/Alpha	449745	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-263	23.88283	0.079773	0.46112	0.172999	0.862652	0.896133	chr19	26355531	26355821	+	0	NA	Intergeni	ALR/Alpha	-1437755	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4879	33.73394	-0.06731	0.391182	-0.17208	0.863375	0.896612	chr5	48790054	48790289	+	0	NA	Intergeni	ALR/Alpha	1651117	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-260	16.28	-0.09379	0.548478	-0.171	0.864227	0.897225	chr17	26033074	26033317	+	0	NA	Intergeni	ALR/Alpha	1056046	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-243	17.10272	0.094773	0.557174	0.170096	0.864935	0.897381	chr17	24391218	24391424	+	0	NA	Intergeni	ALR/Alpha	1868210	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1242	21.34524	0.081502	0.480696	0.169549	0.865365	0.897381	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2695295	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	18.46864	-0.08844	0.522033	-0.16941	0.865471	0.897381	chr19	26931819	26932379	+	0	NA	Intergeni	ALR/Alpha	-861332	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4987	15.6577	-0.09419	0.556566	-0.16923	0.865617	0.897381	chr5	49878950	49879155	+	0	NA	Intergeni	ALR/Alpha	562236	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding

chr17-260	16.2121	-0.09246	0.547225	-0.16896	0.865826	0.897381	chr17	26076962	26077872	+	0	NA	Intergeni	ALR/Alpha	1011824	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chrX-6182	15.57419	0.094345	0.558897	0.168807	0.865949	0.897381	chrX	61821708	61822772	+	0	NA	Intergeni	ALR/Alpha	1529092	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr2-9375	15.528	0.093825	0.558459	0.168007	0.866578	0.897761	chr2	93752978	93753370	+	0	NA	Intergeni	ALR/Alpha	455245	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chrX-5867	25.90339	-0.0736	0.440496	-0.16709	0.867297	0.897918	chrX	58674237	58674469	+	0	NA	Intergeni	ALR/Alpha	-763720	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr6-5950	17.43052	-0.08853	0.529911	-0.16707	0.867314	0.897918	chr6	59505624	59505862	+	0	NA	Intergeni	ALR/Alpha	-1544297	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chrX-6028	21.2779	-0.07994	0.481904	-0.16589	0.86824	0.897918	chrX	60282652	60283683	+	0	NA	Intergeni	ALR/Alpha	-2372534	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr1-1233	18.48141	0.085047	0.514334	0.165354	0.868665	0.897918	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1832223	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	18.48141	0.085047	0.514334	0.165354	0.868665	0.897918	chr20	28521783	28527174	+	0	NA	Intergeni	ALR/Alpha	78187	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr3-9117	19.55127	-0.08317	0.503057	-0.16532	0.86869	0.897918	chr3	91177444	91177958	+	0	NA	Intergeni	ALR/Alpha	2070080	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr1-1236	38.41616	0.060842	0.368776	0.164984	0.868956	0.897918	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2146108	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6246	30.46098	-0.06895	0.418069	-0.16492	0.869004	0.897918	chrX	62462860	62463979	+	0	NA	Intergeni	ALR/Alpha	887913	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr2-9234	17.36263	-0.08725	0.529351	-0.16482	0.869089	0.897918	chr2	92349336	92350186	+	0	NA	Intergeni	ALR/Alpha	408628	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-268	40.07769	0.059065	0.360264	0.163949	0.869771	0.898353	chr19	26818302	26818513	+	0	NA	Intergeni	ALR/Alpha	-975024	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4667	15.77457	-0.08999	0.557723	-0.16135	0.87182	0.900198	chr5	46671863	46672182	+	0	NA	Intergeni	ALR/Alpha	-975642	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4744	17.34093	-0.08535	0.530104	-0.161	0.872095	0.90021	chr5	47443011	47443295	+	0	NA	Intergeni	ALR/Alpha	-1746773	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-261	37.44376	-0.05828	0.373368	-0.1561	0.875952	0.903528	chr19	26118342	26118546	+	0	NA	Intergeni	ALR/Alpha	-1674987	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-523	15.68498	-0.08647	0.554181	-0.15604	0.876003	0.903528	chr11	52362936	52363178	+	0	NA	Intergeni	ALR/Alpha	1953910	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1245	19.13824	-0.07866	0.50451	-0.15591	0.8761	0.903528	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2987258	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-228	18.58384	-0.07995	0.5179	-0.15437	0.877316	0.90451	chr17	22869445	22869741	+	0	NA	Intergeni	ALR/Alpha	346482	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-253	17.34372	-0.0809	0.530572	-0.15247	0.878817	0.905784	chr19	25391904	25392256	+	0	NA	Intergeni	ALR/Alpha	-1228633	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-6060	16.8817	-0.08093	0.539115	-0.15013	0.880665	0.907417	chr9	60602817	60603293	+	0	NA	Intergeni	ALR/Alpha	-311352	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chrX-6153	27.63839	-0.06316	0.425538	-0.14843	0.882004	0.908522	chrX	61538233	61539410	+	0	NA	Intergeni	ALR/Alpha	1812511	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4840	16.60952	0.078397	0.549475	0.142676	0.886546	0.912927	chr5	48404425	48404641	+	0	NA	Intergeni	ALR/Alpha	2036755	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1248	15.11167	-0.08081	0.56782	-0.14232	0.88683	0.912944	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3374869	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-124	15.15786	-0.08006	0.564267	-0.14188	0.887175	0.913025	chr22	12489037	12490680	+	0	NA	Intergeni	ALR/Alpha	592452	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chrX-5923	25.40634	-0.06163	0.44257	-0.13925	0.889255	0.914891	chrX	59239676	59241388	+	0	NA	Intergeni	ALR/Alpha	-1329899	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chrX-6144	18.91336	0.070366	0.5089	0.138271	0.890026	0.91541	chrX	61444891	61446426	+	0	NA	Intergeni	ALR/Alpha	1905674	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1686	15.13616	-0.07789	0.565298	-0.13779	0.890407	0.915526	chr1	16865910	16866658	+	0	NA	Intergeni	L1PA8|LIN	-5942	NR_160657	1.12E+08		NR_160657		LOC112267	-	uncharact	ncRNA
chr1-1249	15.18235	-0.07717	0.562854	-0.13711	0.890947	0.915672	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3383866	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6246	27.20365	-0.05843	0.428273	-0.13643	0.891482	0.915672	chrX	62469769	62470908	+	0	NA	Intergeni	ALR/Alpha	880994	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1235	71.64028	-0.03855	0.282827	-0.13631	0.891578	0.915672	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2030595	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6027	18.52152	-0.07027	0.515842	-0.13622	0.891649	0.915672	chr7	60273892	60274200	+	0	NA	Intergeni	ALR/Alpha	2823869	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9393	17.71385	0.071367	0.525066	0.135919	0.891885	0.915672	chr2	93935328	93935573	+	0	NA	Intergeni	ALR/Alpha	272969	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-254	22.3288	0.063017	0.474418	0.13283	0.894328	0.917905	chr19	25436960	25437336	+	0	NA	Intergeni	ALR/Alpha	-1273701	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4940	17.44168	-0.07064	0.533492	-0.1324	0.894666	0.917977	chr5	49405855	49406138	+	0	NA	Intergeni	ALR/Alpha	1035292	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6112	21.8178	0.062144	0.477368	0.130181	0.896424	0.919485	chrX	61120291	61121922	+	0	NA	Intergeni	ALR/Alpha	2230226	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-253	26.43274	0.056634	0.436092	0.129866	0.896672	0.919485	chr19	25304519	25304791	+	0	NA	Intergeni	ALR/Alpha	-1141208	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chrX-6069	20.29713	-0.06362	0.49128	-0.12949	0.89697	0.919515	chrX	60691088	60692269	+	0	NA	Intergeni	ALR/Alpha	2659654	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr20-285	17.75726	0.067532	0.523494	0.129003	0.897356	0.919635	chr20	28530792	28533213	+	0	NA	Intergeni	ALR/Alpha	70663	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1247	38.65665	0.045296	0.365816	0.123823	0.901455	0.923561	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3279729	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4773	23.22327	-0.05594	0.461139	-0.12131	0.903445	0.925322	chr5	47731357	47731809	+	0	NA	Intergeni	ALR/Alpha	-2035203	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4919	19.8379	-0.0593	0.496687	-0.1194	0.904959	0.926522	chr5	49192139	49192355	+	0	NA	Intergeni	ALR/Alpha	1249041	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6249	16.40635	-0.06471	0.54353	-0.11906	0.905228	0.926522	chrX	62497812	62500437	+	0	NA	Intergeni	ALR/Alpha	852208	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4673	19.46219	0.059526	0.501031	0.118807	0.905428	0.926522	chr5	46730498	46732360	+	0	NA	Intergeni	ALR/Alpha	-1035049	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1228	15.23412	-0.06631	0.566071	-0.11715	0.906743	0.927591	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1336743	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-246	17.15555	0.061288	0.54147	0.113188	0.909881	0.930406	chr19	24625227	24625497	+	0	NA	Intergeni	ALR/Alpha	-461915	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-247	27.90053	-0.04807	0.4254	-0.11299	0.910038	0.930406	chr19	24765071	24765344	+	0	NA	Intergeni	ALR/Alpha	-601760	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-285	18.23819	0.057431	0.517075	0.111068	0.911562	0.931686	chr20	28541872	28543865	+	0	NA	Intergeni	ALR/Alpha	59797	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4989	19.81899	-0.05372	0.496448	-0.10821	0.913827	0.933723	chr5	49896724	49897010	+	0	NA	Intergeni	ALR/Alpha	544421	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6202	28.98595	-0.04349	0.42086	-0.10333	0.917703	0.93731	chrX	62028972	62030283	+	0	NA	Intergeni	ALR/Alpha	1321705	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr7-5931	15.26028	0.058227	0.564771	0.103098	0.917885	0.93731	chr7	59317620	59318230	+	0	NA	Intergeni	ALR/Alpha	1867748	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-512	20.39788	-0.05076	0.500327	-0.10145	0.919191	0.938363	chr11	51255370	51255678	+	0	NA	Intergeni	ALR/Alpha	846377	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1248	15.94991	-0.05455	0.554397	-0.09839	0.921624	0.940287	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3357455	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4757	15.94991	-0.05455	0.554397	-0.09839	0.921624	0.940287	chr5	47579174	47579949	+	0	NA	Intergeni	ALR/Alpha	-1883181	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-531	17.70103	-0.05097	0.529307	-0.0963	0.923281	0.941697	chr11	53176513	53176728	+	0	NA	Intergeni	ALR/Alpha	1427378	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr7-5887	18.18642	0.048491	0.519993	0.093254	0.925702	0.943885	chr7	58873323	58873549	+	0	NA	Intergeni	ALR/Alpha	1423259	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4643	145.97	-0.01968	0.218955	-0.08989	0.928376	0.946331	chr5	46433391	46435765	+	0	NA	Intergeni	ALR/Alpha	-738198	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5967	15.8848	-0.04824	0.551082	-0.08754	0.930244	0.947953	chr6	59677872	59678246	+	0	NA	Intergeni	ALR/Alpha	-1716613	NR_132995	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4811	28.1037	0.036494	0.424548	0.085959	0.931499	0.948949	chr5	48113461	48113674	+	0	NA	Intergeni	ALR/Alpha	2327721	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4123	33.84468	0.032454	0.387814	0.083684	0.933308	0.950509	chr9	41234085	41234918	+	0	NA	promoter-	promoter-	-666	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr7-6039	17.61422	-0.04336	0.525221	-0.08256	0.934201	0.951113	chr7	60391385	60391812	+	0	NA	Intergeni	ALR/Alpha	2912458	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr5-4952	33.95876	0.031965	0.388677	0.08224	0.934456	0.951113	chr5	49525710	49525934	+	0	NA	Intergeni	ALR/Alpha	915466	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1226	26.87356	-0.03496	0.433922	-0.08057	0.935785	0.952183	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1161408	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1248	59.73022	-0.02432	0.304372	-0.07989	0.936324	0.952448	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3366291	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-540	15.71672	0.044186	0.562226	0.078591	0.937358	0.953217	chr11	54057151	54057360	+	0	NA	Intergeni	ALR/Alpha	546743	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-9238	20.49417	-0.03803	0.489246	-0.07772	0.938049	0.953605	chr2	92380107	92380992	+	0	NA	Intergeni	ALR/Alpha	439416	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-538	19.24624	0.039471	0.509884	0.077411	0.938296	0.953605	chr11	53899298	53899743	+	0	NA	Intergeni	ALR/Alpha	704478	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-9284	17.08431	-0.04091	0.533839	-0.07664	0.938911	0.953947	chr2	92846830	92847745	+	0	NA	Intergeni	ALR/Alpha	906154	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5865	26.20842	0.03299	0.438263	0.075276	0.939996	0.954766	chr7	58657766	58658002	+	0	NA	Intergeni	ALR/Alpha	1207707	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chrX-6150	26.83016	-0.03237	0.432422	-0.07487	0.94032	0.954812	chrX	61500032	61500809	+	0	NA	Intergeni	ALR/Alpha	1850912	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1248	16.91344	0.040301	0.543706	0.074122	0.940913	0.955132	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3360255	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-248	15.80631	0.040446	0.553093	0.073128	0.941705	0.955652	chr19	24881271	24881737	+	0	NA	Intergeni	ALR/Alpha	-718057	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-534	17.6632	-0.03836	0.527515	-0.07271	0.942038	0.95568	chr11	53416357	53416774	+	0	NA	Intergeni	ALR/Alpha	1187433	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1249	15.35768	-0.04066	0.56172	-0.07239	0.94229	0.95568	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3418935	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1241	17.58192	0.03716	0.526386	0.070595	0.94372	0.956847	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2599511	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1235	17.50293	-0.0379	0.540772	-0.07008	0.944128	0.956977	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2036147	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-123	23.9775	-0.03042	0.455123	-0.06683	0.946718	0.959318	chr22	12380833	12381087	+	0	NA	Intergeni	ALR/Alpha	483554	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr5-4662	34.85105	0.024966	0.393804	0.063398	0.94945	0.961802	chr5	46622626	46623120	+	0	NA	Intergeni	ALR/Alpha	-926493	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-254	16.93682	0.034287	0.554524	0.061832	0.950697	0.962781	chr17	25445682	25445969	+	0	NA	Intergeni	ALR/Alpha	1643416	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-411	21.62857	-0.02823	0.481199	-0.05867	0.953217	0.965048	chr10	41179911	41180112	+	0	NA	Intergeni	ALR/Alpha	1188034	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1249	41.30391	0.02053	0.36025	0.056987	0.954555	0.966117	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3393222	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	15.47735	-0.03153	0.560917	-0.05621	0.955175	0.966458	chr19	26936761	26940600	+	0	NA	Intergeni	ALR/Alpha	-854751	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-248	20.01603	-0.02759	0.494328	-0.05582	0.955486	0.966488	chr19	24835924	24836162	+	0	NA	Intergeni	ALR/Alpha	-672596	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1237	29.01658	0.022031	0.419745	0.052486	0.958141	0.968888	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2256407	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6116	28.50558	0.020504	0.419444	0.048884	0.961012	0.971269	chrX	61162815	61163075	+	0	NA	Intergeni	ALR/Alpha	2188387	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chrX-6146	19.97262	-0.02423	0.496409	-0.04882	0.961063	0.971269	chrX	61467850	61468093	+	0	NA	Intergeni	ALR/Alpha	1883361	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr17-233	17.11717	-0.02475	0.537517	-0.04605	0.96327	0.973212	chr17	23300189	23300407	+	0	NA	Intergeni	ALR/Alpha	777187	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-407	16.56277	-0.0244	0.541494	-0.04505	0.964066	0.973729	chr10	40726911	40727140	+	0	NA	Intergeni	ALR/Alpha	1641020	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4835	72.51857	0.012341	0.278882	0.044251	0.964704	0.974087	chr5	48355521	48355770	+	0	NA	Intergeni	ALR/Alpha	2085643	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-292	16.30615	0.023206	0.545517	0.04254	0.966068	0.975176	chr20	29221751	29229705	+	0	NA	Intergeni	ALR/Alpha	145338	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr20-286	51.00804	0.013645	0.324555	0.042043	0.966464	0.975289	chr20	28643719	28646080	+	0	NA	Intergeni	ALR/Alpha	-42234	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr2-9255	28.5	0.014921	0.42283	0.035287	0.971851	0.980436	chr2	92551831	92552750	+	0	NA	Intergeni	ALR/Alpha	611157	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-265	18.72576	0.017038	0.524841	0.032463	0.974103	0.982336	chr19	26523932	26524207	+	0	NA	Intergeni	ALR/Alpha	-1269362	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-267	15.61486	0.018216	0.565593	0.032206	0.974308	0.982336	chr19	26789573	26789795	+	0	NA	Intergeni	ALR/Alpha	-1003747	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-531	19.56238	-0.01441	0.499629	-0.02885	0.976986	0.984747	chr11	53141925	53142183	+	0	NA	Intergeni	ALR/Alpha	1461944	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-5004	21.2456	-0.01355	0.480672	-0.0282	0.977504	0.984799	chr5	50046131	50046471	+	0	NA	Intergeni	ALR/Alpha	394987	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6114	27.96898	0.011895	0.42884	0.027738	0.977871	0.984799	chrX	61147988	61148284	+	0	NA	Intergeni	ALR/Alpha	2203196	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1247	18.00829	0.014462	0.522074	0.027702	0.9779	0.984799	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3274595	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6183	16.01395	-0.01436	0.554244	-0.02591	0.979331	0.985741	chrX	61837227	61839180	+	0	NA	Intergeni	ALR/Alpha	1513129	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-249	19.54068	-0.0127	0.499707	-0.02541	0.979731	0.985741	chr19	24975497	24975696	+	0	NA	Intergeni	ALR/Alpha	-812149	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9265	16.78708	0.013548	0.537766	0.025192	0.979902	0.985741	chr2	92651859	92653815	+	0	NA	Intergeni	ALR/Alpha	711704	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chrX-5907	21.42094	0.01202	0.479169	0.025086	0.979986	0.985741	chrX	59072479	59073789	+	0	NA	Intergeni	ALR/Alpha	-1162501	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr1-1248	22.66385	0.011225	0.469941	0.023887	0.980943	0.986413	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3285928	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1242	32.48596	0.009148	0.395205	0.023149	0.981532	0.986581	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2716594	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-260	28.98093	0.009582	0.417435	0.022956	0.981686	0.986581	chr19	26056210	26056531	+	0	NA	Intergeni	ALR/Alpha	-1737061	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4662	18.5382	0.010639	0.512419	0.020763	0.983435	0.988049	chr5	46624971	46625838	+	0	NA	Intergeni	ALR/Alpha	-929024	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1230	18.51371	0.008311	0.512849	0.016206	0.98707	0.99112	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1494482	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-533	18.51371	0.008311	0.512849	0.016206	0.98707	0.99112	chr11	53309480	53309690	+	0	NA	Intergeni	ALR/Alpha	1294413	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-9293	16.10912	-0.00833	0.547588	-0.01522	0.98786	0.991622	chr2	92936602	92936802	+	0	NA	Intergeni	ALR/Alpha	995569	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-104	19.03526	-0.00741	0.507047	-0.01461	0.988343	0.991817	chr21	10433890	10434221	+	0	NA	intron (N	Tigger1|D	20523	NM_182482	85319	Hs.545789	NM_182482		BAGE2	CT2.2	BAGE fami	protein-coding
chr16-225	17.19175	-0.00765	0.539911	-0.01417	0.988692	0.991876	chr16	22570447	22571468	+	0	NA	intron (N	intron (N	25259	NR_003676	653786	Hs.564945	NR_003676	ENSG00000	OTOAP1	-	OTOA pseu	pseudo
chr2-9235	18.92117	-0.00671	0.512792	-0.01308	0.989563	0.99246	chr2	92357190	92357704	+	0	NA	Intergeni	ALR/Alpha	416314	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-532	75.06955	-0.00334	0.275289	-0.01214	0.990311	0.99292	chr11	53207361	53207592	+	0	NA	Intergeni	ALR/Alpha	1396522	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-9367	16.08742	-0.00625	0.549205	-0.01138	0.99092	0.99324	chr2	93675183	93675434	+	0	NA	Intergeni	ALR/Alpha	533111	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chrX-6186	15.58479	0.005358	0.556929	0.009621	0.992324	0.994356	chrX	61867098	61867659	+	0	NA	Intergeni	ALR/Alpha	1483954	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr9-6282	17.30863	-0.00386	0.530026	-0.00728	0.99419	0.995934	chr9	62824212	62827420	+	0	NA	Intergeni	L1PA6|LIN	12530	NR_135128	1E+08	Hs.536982	NR_135128		LOC100132	-	uncharact	ncRNA
chr5-4885	25.42302	-0.00253	0.442234	-0.00572	0.995433	0.996888	chr5	48854787	48854995	+	0	NA	Intergeni	ALR/Alpha	1586397	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1221	17.28693	-0.00192	0.530212	-0.00363	0.997107	0.998118	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	609321	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-263	28.77056	0.001461	0.422916	0.003454	0.997244	0.998118	chr19	26389556	26389769	+	0	NA	Intergeni	ALR/Alpha	-1403769	NR_146733	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-535	17.37931	-0.00081	0.529954	-0.00152	0.998784	0.999367	chr11	53511364	53512129	+	0	NA	Intergeni	ALR/Alpha	1092252	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4967	17.86582	-0.00045	0.52773	-0.00085	0.999323	0.999615	chr5	49672852	49673155	+	0	NA	Intergeni	ALR/Alpha	768285	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4890	17.26522	1.57E-05	0.531627	2.96E-05	0.999976	0.999976	chr5	48908019	48908665	+	0	NA	Intergeni	ALR/Alpha	1532946	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding

Supplementary Information

Supplementary Table 7. Genome-wide profiling of differential peaks between proliferating and bleomycin-induced senescent cells (ChIP-seq for H3K36me3).

geneID	baseMea	log2Fold	lfcSE	stat	pvalue	padj	Chr	Start	End	Stran	Peak	Focus	Annotatio	Detailed A	Distance	Nearest P	Entrez ID	Nearest U	Nearest R	Nearest E	Gene Nam	Gene Alia	Gene Des	Gene Type
chr5-4643	56.27501	1.540953	0.386873	3.983093	6.80E-05	0.981636	chr5	46434582	46434946	+	0	NA	Intergeni	ALR/Alpha	-738384	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-4481	5.836925	-5.97783	1.66186	-3.59707	0.000322	0.981636	chr3	44815289	44815596	+	0	NA	intron (N	MLT1K|LTR	-46446	NR_030290	693149		NR_030290	ENSG00000	MIR564	MIRN564|h	microRNA	ncRNA
chr1-2146	3.888664	-5.39213	1.756285	-3.07019	0.002139	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	CpG	5361	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr5-4673	19.5447	1.78688	0.592184	3.017442	0.002549	0.981636	chr5	46731825	46732204	+	0	NA	Intergeni	ALR/Alpha	-1035634	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-7390	8.432759	-2.80103	0.946173	-2.99067	0.002567	0.981636	chr4	73906089	73906784	+	0	NA	Intergeni	L1PA3|LIN	37043	NM_001511	2919	Hs.789	NM_001511	ENSG00000	CXCL1	FSP|GRO1|	C-X-C mot	protein-coding
chr12-286	3.641203	-5.29767	1.776977	-2.98128	0.00287	0.981636	chr12	2861178	2861741	+	0	NA	intron (N	L1ME3G|LI	-4420	NM_001365	1.02E+08	Hs.634625	NM_001365	ENSG00000	TEX52	-	testis ex	protein-coding
chr17-266	773.7942	0.720193	0.242394	2.971167	0.002967	0.981636	chr17	26603798	26604053	+	0	NA	Intergeni	ALR/Alpha	485316	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-285	18.53599	1.793789	0.607525	2.952618	0.003151	0.981636	chr20	28517445	28519255	+	0	NA	Intergeni	ALR/Alpha	84315	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-285	16.98956	1.865205	0.634361	2.94029	0.003279	0.981636	chr20	28523377	28524675	+	0	NA	Intergeni	ALR/Alpha	78639	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-7459	8.315302	-2.47978	0.939137	-2.61084	0.003717	0.981636	chr4	74597145	74598143	+	0	NA	Intergeni	THE1B-int	152508	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr10-128	3.393741	-5.19658	1.801836	-2.88404	0.003926	0.981636	chr10	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	14612	NM_002417	4288	Hs.80976	NM_002417	ENSG00000	MKI67	KIA|MIB-|	marker of	protein-coding
chr19-362	12.93097	2.107527	0.736323	2.86223	0.004207	0.981636	chr19	36288833	36289139	+	0	NA	Intergeni	SST1|Sate	-22357	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr5-4920	37.7132	1.284362	0.454933	2.823188	0.004755	0.981636	chr5	49203138	49203392	+	0	NA	Intergeni	ALR/Alpha	1238023	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-286	35.18259	1.282136	0.454411	2.821533	0.004779	0.981636	chr20	28643737	28644855	+	0	NA	Intergeni	ALR/Alpha	-41631	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-7461	6.013237	-2.7512	1.148472	-2.42768	0.005196	0.981636	chr4	74616713	74616924	+	0	NA	Intergeni	AluYg6|SI	171682	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr19-362	13.55283	2.012879	0.723684	2.781433	0.005412	0.981636	chr19	36273945	36274230	+	0	NA	Intergeni	SST1|Sate	-28159	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr1-4625	3.146279	-5.08785	1.832379	-2.77663	0.005492	0.981636	chr1	46250430	46250881	+	0	NA	intron (N	intron (N	2892	NM_003579	8438	Hs.642042	NM_003579	ENSG00000	RAD54L	HR54|RAD5	RAD54 lik	protein-coding
chr17-820	3.146279	-5.08785	1.832379	-2.77663	0.005492	0.981636	chr17	8203263	8203952	+	0	NA	Intergeni	AluSx|SIN	6618	NR_132731	9212	Hs.442658	NM_004217	ENSG00000	AURKB	AIK2|AIM-	aurora ki	protein-coding
chr3-9086	18.79917	1.708134	0.617911	2.764368	0.005703	0.981636	chr3	90868575	90869676	+	0	NA	Intergeni	ALR/Alpha	1761504	NM_182644	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-363	13.22928	1.974391	0.718478	2.748018	0.005996	0.981636	chr19	36305538	36306094	+	0	NA	Intergeni	Intergeni	-5527	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr20-389	2.914534	-4.97635	1.846932	-2.69439	0.007052	0.981636	chr20	38943012	38943485	+	0	NA	intron (N	AluSx|SIN	16831	NM_030919	81610	Hs.726442	NM_030919	ENSG00000	FAM83D	C20orf129	family wi	protein-coding
chr19-183	7.529523	2.749781	1.021015	2.693185	0.007077	0.981636	chr19	18386706	18386963	+	0	NA	TTS (NR_C	TTS (NR_C	272	NR_036156	1E+08		NR_036156	ENSG00000	MIR3189	mir-3189	microRNA	ncRNA
chr19-362	10.69956	2.163039	0.81901	2.641042	0.008265	0.981636	chr19	36294349	36294924	+	0	NA	Intergeni	SST1|Sate	-16707	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr9-3665	8.324024	-2.48178	0.946173	-2.62297	0.008717	0.981636	chr9	36653166	36653493	+	0	NA	intron (N	AluJo|SIN	80434	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr4-7449	9.234628	-2.08902	0.856385	-2.62073	0.008743	0.981636	chr4	74498802	74499010	+	0	NA	Intergeni	L1M2|LINE	53770	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr21-259	7.589682	-2.69283	1.027551	-2.62063	0.008777	0.981636	chr21	25972664	25973000	+	0	NA	intron (N	L1MEc|LIN	167558	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr7-9559	7.264681	2.691055	1.029079	2.615014	0.008922	0.981636	chr7	95592568	95595189	+	0	NA	intron (N	intron (N	2638	NM_002612	5166	Hs.8364	NM_002612	ENSG00000	PDK4	-	pyruvate	protein-coding
chr19-366	5.802375	3.439154	1.316238	2.612866	0.008979	0.981636	chr19	36626461	36626843	+	0	NA	exon (NM_	exon (NM_	21339	NM_032825	84911	Hs.631591	NM_032825	ENSG00000	ZNF382	KS1	zinc fing	protein-coding
chr4-1031	5.846263	-3.40899	1.304734	-2.61278	0.008981	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	-33991	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr7-5889	21.73201	1.438733	0.552591	2.603612	0.009225	0.981636	chr7	58893059	58893259	+	0	NA	Intergeni	ALR/Alpha	1442982	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr17-782	5.094355	-4.27535	1.6729	-2.55565	0.010599	0.981636	chr17	78217917	78218179	+	0	NA	intron (N	AluJo|SIN	3795	NM_001012	332	Hs.744872	NM_001168	ENSG00000	BIRC5	API4|EPR-	baculovir	protein-coding
chr1-1197	7.350078	-2.63875	1.033828	-2.55241	0.010698	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	14927	NM_006623	26227	Hs.487296	NM_006623	ENSG00000	PHGDH	3-PGDH|3P	phosphogl	protein-coding
chr19-362	9.469002	2.183611	0.861275	2.535322	0.011234	0.981636	chr19	36270412	36272955	+	0	NA	Intergeni	SST1|Sate	-25755	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr10-405	173.637	0.709559	0.285612	2.484347	0.012979	0.981636	chr10	40593352	40593603	+	0	NA	Intergeni	ALR/Alpha	1774568	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-362	9.973448	2.040305	0.821388	2.483973	0.012993	0.981636	chr19	36299211	36301092	+	0	NA	Intergeni	CpG	-11192	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr5-1389	4.701682	4.202468	1.705862	2.463545	0.013757	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	TTS (NM_C	TTS (NM_C	71269	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr1-1247	10.00673	2.041154	0.830391	2.458063	0.013969	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3274711	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-266	363.0715	0.657179	0.268968	2.443338	0.014552	0.981636	chr17	26619531	26620055	+	0	NA	Intergeni	ALR/Alpha	469448	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr7-5973	68.20816	0.909225	0.372344	2.441892	0.014611	0.981636	chr7	59734599	59735003	+	0	NA	Intergeni	ALR/Alpha	2284624	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-1128	13.28314	-1.72453	0.728345	-2.43489	0.014816	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	L1PA7|LIN	-21552	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr22-418	6.742854	2.562107	1.055214	2.428046	0.01518	0.981636	chr22	41893195	41893396	+	0	NA	intron (N	intron (N	-7649	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr20-370	6.103247	-2.8152	1.159627	-2.42768	0.015196	0.981636	chr20	37042627	37042826	+	0	NA	intron (N	AluJb|SIN	53271	NM_001323	5933	Hs.207745	NM_002895	ENSG00000	RBL1	CP107|PRE	RB transc	protein-coding
chr19-362	11.20419	1.847047	0.7638	2.418235	0.015596	0.981636	chr19	36280523	36281824	+	0	NA	Intergeni	SST1|Sate	-30170	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr1-2480	9.362498	-2.0998	0.868381	-2.41806	0.015603	0.981636	chr1	24808100	24808299	+	0	NA	intron (N	AluSq2|SI	62752	NM_013943	25932	Hs.440544	NM_013943	ENSG00000	CLIC4	CLIC4L|H1	chloride	protein-coding
chr1-1240	70.50872	0.851459	0.355331	2.396242	0.016564	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2535616	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-131	4.999991	3.213334	1.341715	2.394946	0.016623	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7594	NM_001002	80324	Hs.592004	NM_025215	ENSG00000	PUS1	MLASA1	pseudouri	protein-coding
chr15-809	6.821873	-2.53148	1.05704	-2.39487	0.016626	0.981636	chr15	80929660	80929859	+	0	NA	intron (N	L3|LINE|C	60060	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr10-935	5.119594	-3.19785	1.336003	-2.3936	0.016684	0.981636	chr10	93518467	93523439	+	0	NA	intron (N	intron (N	24341	NM_018131	55165	Hs.14559	NM_018131	ENSG00000	CEP55	C10orf3|C	centrosom	protein-coding
chr10-377	13.49336	-1.64626	0.688456	-2.39124	0.016792	0.981636	chr10	3776106	3776403	+	0	NA	non-codin	non-codin	8955	NR_027653	1316	Hs.4055	NM_001300	ENSG00000	KLF6	BCD1|CBA1	Kruppel l	protein-coding
chr2-1128	8.064122	-2.08972	0.894137	-2.38405	0.017128	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	MER4-int|	-23448	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr20-119	5.111736	-3.19599	1.340972	-2.38334	0.017156	0.981636	chr20	11903460	11903698	+	0	NA	intron (N	intron (N	11086	NM_001282	22903	Hs.709366	NM_014962	ENSG00000	BTBD3	dJ742J24.	BTB domai	protein-coding
chr12-326	4.974567	3.207325	1.345846	2.383128	0.017166	0.981636	chr12	32607486	32607695	+	0	NA	intron (N	AluSx|SIN	-71610	NM_001330	10059	Hs.556296	NM_005690	ENSG00000	DNM1L	DLP1|DRP1	dynamin 1	protein-coding
chr5-3783	5.033272	3.213599	1.352858	2.375415	0.017529	0.981636	chr5	37830582	37831803	+	0	NA	intron (N	intron (N	3630	NM_001278	2668	Hs.248114	NM_000514	ENSG00000	GDNF	ATF|ATF1|	glial cel	protein-coding
chr3-4841	6.521001	2.508732	1.056255	2.375119	0.017543	0.981636	chr3	48417270	48417607	+	0	NA	intron (N	intron (N	12025	NM_002673	5364	Hs.476209	NM_002673	ENSG00000	PLXNB1	PLEXIN-B1	plexin B1	protein-coding
chr4-1783	5.871502	-2.75033	1.163212	-2.36443	0.018058	0.981636	chr4	17837851	17838140	+	0	NA	intron (N	intron (N	27016	NR_073124	64151	Hs.567567	NM_022346	ENSG00000	NCAPG	CAPG|CHCC	non-SMC c	protein-coding
chr4-1688	5.83822	-2.76276	1.170165	-2.361	0.018226	0.981636	chr4	16880829	16881114	+	0	NA	intron (N	intron (N	17674	NM_001130	9079	Hs.714330	NM_001290	ENSG00000	LDB2	CLIM1|LDB	LIM domai	protein-coding
chr1-2251	6.528859	2.504888	1.063221	2.355943	0.018476	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	L1PA3|LIN	199504	NM_001145	127602	Hs.133977	NM_001373	ENSG00000	DNAH14	C1orf67|D	dynein ax	protein-coding
chr17-117	19.75962	1.338414	0.57231	2.338619	0.019355	0.981636	chr17	117194	117974	+	0	NA	Intergeni	Intergeni	-19987	NM_001097	653486	Hs.127059	NM_001097	ENSG00000	SCGB1C2	SCGB1C1	secretogl	protein-coding
chr9-2190	5.821896	-2.82504	1.183134	-2.33858	0.019442	0.981636	chr9	21909587	21909786	+	0	NA	Intergeni	Intergeni	-57453	NR_024274	51198	Hs.721053	NM_016349		CDKN2A-DT	C9orf53|C	CDKN2A di	ncRNA
chr5-1321	12.82112	1.810752	0.749961	2.335939	0.019522	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	Tigger2|D	39600	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr19-362	9.469187	1.946711	0.833617	2.335257	0.01953	0.981636	chr19	36276070	36278175	+	0	NA	Intergeni	(GT)n|Sim	-31194	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr10-405	200.8463	0.686973	0.294747	2.33072	0.019768	0.981636	chr10	40556268	40556895	+	0	NA	Intergeni	ALR/Alpha	1811464	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-101	12.52692	1.706752	0.734616	2.323324	0.020162	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	Intergeni	CpG	-12823	NM_001321	1E+08	Hs.104864	NM_001321551		LOC100128	-	putative	protein-coding
chr18-129	8.084235	-2.12144	0.91396	-2.32116	0.020278	0.981636	chr18	12984090	12984297	+	0	NA	intron (N	intron (N	-7169	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr5-1321	4.162207	-3.95038	1.715236	-2.31797	0.020296	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	L1PA8|LIN	50795	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr1-1246	24.87718	1.196045	0.516014	2.317854	0.020457	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3104246	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-1356	4.872133	-3.1187	1.35135	-2.30784	0.021008	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-28020	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr1-4626	4.153507	-3.94383	1.716521	-2.29757	0.021586	0.981636	chr1	46261600	46262012	+	0	NA	intron (N	MER4CL34|	14043	NM_003579	8438	Hs.642042	NM_003579	ENSG00000	RAD54L	HR54|RAD5	RAD54 lik	protein-coding
chr7-1213	5.616898	-2.69051	1.182164	-2.29757	0.021586	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	28489	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr15-895	4.153507	-3.94383	1.716521	-2.29757	0.021586	0.981636	chr15	89599486	89599854	+	0	NA	intron (N	intron (N	24083	NM_001308	90381	Hs.441708	NM_152259	ENSG00000	TICRR	C15orf42|	TOPBP1 in	protein-coding
chr17-818	8.777437	-2.01338	0.876497	-2.29707	0.021615	0.981636	chr17	81869513	81869907	+	0	NA	intron (N	CpG-11911	1287	NM_001301	396	Hs.159161	NM_004309	ENSG00000	ARHGDIA	GDIA1|HEL	Rho GDP d	protein-coding
chr1-1549	6.536717	2.50052	1.089861	2.294348	0.021771	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	TTS (NM_C	TTS (NM_C	12934	NM_001323	10654	Hs.30954	NM_006556	ENSG00000	PMVK	HUMPMKI|P	phosphome	protein-coding
chr2-1514	5.631898	-2.6805	1.173164	-2.28485	0.022322	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSc8|SI	48491	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1933	5.486871	2.701545	1.182638	2.284339	0.022352	0.981636	chr2	19338556	19338755	+	0	NA	Intergeni	Intergeni	-9774	NR_039914	1.01E+08		NR_039914	ENSG00000	MIR4757	-	microRNA	ncRNA
chr7-1212	33.82995	1.017896	0.455466	2.281497	0.022387	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-123590	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr5-4942	20.78423	1.269345	0.558595	2.27239	0.023063	0.981636	chr5	49429150	49429499	+	0	NA	Intergeni	ALR/Alpha	1011964	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-892	8.57974	2.005211	0.883152	2.270517	0.023176	0.981636	chr12	8921620	8922165	+	0	NA	intron (N	AluSx|SIN	7383	NM_004426	1911	Hs.744902	NM_004426	ENSG00000	PHC1	EDR1|HPH1	polyhomec	protein-coding
chr1-6848	4.889698	-3.0976	1.36916	-2.26241	0.023672	0.981636	chr1	68483317	68483938	+	0	NA	intron (N	MER21C|LT	-13049	NR_110671	1.02E+08	Hs.382856	NR_110671	ENSG00000	DEPDC1-AS	-	DEPDC1 an	ncRNA
chr1-1241	36.28254	1.020965	0.453567	2.25097	0.024387	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2645233	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5881	101.3334	0.801809	0.356526	2.248948	0.024516	0.981636	chr7	58818494	58818788	+	0	NA	Intergeni	ALR/Alpha	1368464	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr22-357	5.608324	-2.67479	1.192172	-2.24362	0.024857	0.981636	chr22	35764166	35764630	+	0	NA	intron (N	AluY|SINE	46526	NM_030642	80831	Hs.326561	NM_030642	ENSG00000	APOL5	APOL-V|AP	apolipopr	protein-coding
chr1-1971	4.640387	-3.03905	1.360133	-2.23438	0.025458	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	exon (NM_	exon (NM_	18036	NM_018136	259266	Hs.121028	NM_018136	ENSG00000	ASPM	ASP|Calmb	abnormal	protein-coding
chr9-2191	7.54604	-2.01512	0.942128	-2.23413	0.025486	0.981636	chr9	21913120	21913415	+	0	NA	Intergeni	L1PA5|LIN	-53872	NR_024274	51198	Hs.721053	NM_016349		CDKN2A-DT	C9orf53|C	CDKN2A di	ncRNA
chr11-117	8.596539	-1.94792	0.873288	-2.23056	0.02571	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-1322	NR_045215	1.01E+08	Hs.732365	NR_045215		LOC100652	-	uncharact	ncRNA
chr20-285	16.10961	1.418732	0.636124	2.230277	0.025729	0.981636	chr20	28530883	28531244	+	0	NA	Intergeni	ALR/Alpha	71602	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4961	237.6977	0.590153	0.264707	2.229458	0.025783	0.981636	chr5	49612258	49615611	+	0	NA	Intergeni	ALR/Alpha	827354	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-413	10.51136	1.725238	0.777152	2.219948	0.026422	0.981636	chr10	41308486	41308775	+	0	NA	Intergeni	ALR/Alpha	1059415	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-3667	4.646709	-3.03543	1.392338	-2.21964	0.026485	0.981636	chr6	36678787	36686308	+	0	NA	intron (N	intron (N	3833	NM_000389	1026	Hs.370771	NM_000389	ENSG00000	CDKN1A	CAP20|CDK	cyclin de	protein-coding
chr19-362	9.905219	1.81454	0.818532	2.216823	0.026635	0.981636	chr19	36285872	36286123	+	0	NA	Intergeni	SST1|Sate	-25346	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr5-4962	88.97082	0.717607	0.323736	2.21664	0.026648	0.981636	chr5	49622406	49624373	+	0	NA	Intergeni	ALR/Alpha	817899	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr15-892	4.624671	-3.03494	1.369283	-2.21645	0.026661	0.981636	chr15	89254341	89254711	+	0	NA	intron (N	L1MC4|LIN	10547	NM_018193	55215	Hs.513126	NM_018193	ENSG00000	FANCI	KIAA1794	FA comple	protein-coding
chr3-4484	3.872763	-3.85902	1.744613	-2.21196	0.026969	0.981636	chr3	44843340	44843875	+	0	NA	intron (N	intron (N	-18281	NR_030290	693149		NR_030290	ENSG00000	MIR564	MIRN564|h	microRNA	ncRNA
chr7-5827	37.9826	0.991025	0.448318	2.21054	0.027068	0.981636	chr7	58275873	58276072	+	0	NA	Intergeni	ALR/Alpha	825795	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-317	5.359013	-2.62004	1.189632	-2.2024	0.027637	0.981636	chr20	31776642	31777437	+	0	NA	intron (N	intron (N	37749	NM_012112	22974	Hs.244580	NM_012112	ENSG00000	TPX2	C20orf1|C	TPX2 micr	protein-coding
chr1-1247	74.3923	0.746102	0.339206	2.199552	0.027839	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3251931	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-1214	5.384436	-2.60524	1.187089	-2.19465	0.028189	0.981636	chr6	12140712	12140911	+	0	NA	intron (N	L1PA6|LIN	128499	NM_002114	3096	Hs.567284	NM_002114	ENSG00000	HIVEP1	CIRIP|CRY	human imm	protein-coding
chr9-1163	5.991317	2.365949	1.078913	2.192901	0.028314	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	50740	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr20-361	6.743039	2.180278	0.998879	2.182724	0.029056	0.981636	chr20	36189013	36189579	+	0	NA	intron (N	L2a|LINE|	-33536	NR_147703	1E+08	Hs.570339	NR_147703		LOC100130	-	uncharact	ncRNA
chr2-2417	8.271908	1.938213	0.892925	2.170633	0.029959	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	exon (NM_	exon (NM_	7229	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr1-1228	29.66262	1.029055	0.47445	2.168943	0.030087	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1287166	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-4573	6.837404	-2.15693	0.995358	-2.16699	0.030236	0.981636	chr7	45736288	45736530	+	0	NA	intron (N	AluYa5|SI	32609	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr19-455	6.878544	-2.14921	0.992602	-2.16522	0.030371	0.981636	chr19	45529107	45529306	+	0	NA	exon (NM_	exon (NM_	21727	NM_003370	7408	Hs.515469	NM_003370	ENSG00000	VASP	-	vasodilat	protein-coding
chr8-3264	6.727324	2.187282	1.012556	2.16016	0.03076	0.981636	chr8	32643362	32643703	+	0	NA	intron (N	MLT1H1|LT	-3200	NM_013959	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr15-731	7.020153	-2.22378	1.035439	-2.14767	0.03174	0.981636	chr15	73119799	73120005	+	0	NA	intron (N	AluSx|SIN	67418	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NG	neogenin	protein-coding
chr14-529	7.55603	-2.01712	0.940438	-2.14488	0.031963	0.981636	chr14	52945091	52945290	+	0	NA	intron (N	AluJb|SIN	5860	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr12-119	4.392925	-2.95042	1.376659	-2.14317	0.032099	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	promoter-	promoter-	-260	NR_031589	1E+08		NR_031589	ENSG00000	MIR1178	MIRN1178|	microRNA	ncRNA
chr5-1469	6.821688	-2.15403	1.005892	-2.14142	0.03224	0.981636	chr5	1469440	1469660	+	0	NA	intron (N	AluSz|SIN	-24110	NM_001044	6531	Hs.406	NM_001044	ENSG00000	SLC6A3	DAT|DAT1|	solute ca	protein-coding
chr8-5881	9.093127	-1.80051	0.842955	-2.13595	0.032684	0.981636	chr8	58815272	58815502	+	0	NA	exon (NM_	exon (NM_	-155534	NM_003580	8439	Hs.372000	NM_003580	ENSG00000	NSMAF	FAN|GRAMD	neutral s	protein-coding
chr10-401	143.8042	0.671135	0.314454	2.134291	0.032819	0.981636	chr10	40135068	40135333	+	0	NA	Intergeni	ALR/Alpha	1438604	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr12-119	3.658583	-3.74747	1.755906	-2.13421	0.032825	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-21227	NR_031589	1E+08		NR_031589	ENSG00000	MIR1178	MIRN1178|	microRNA	ncRNA
chr7-3639	4.385067	-2.94824	1.381753	-2.1337	0.032867	0.981636	chr7	36399360	36400776	+	0	NA	intron (N	L4_A_Mam|	-9711	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr7-8789	4.385067	-2.94824	1.381753	-2.1337	0.032867	0.981636	chr7	87894216	87894487	+	0	NA	intron (N	AluJb|SIN	17858	NM_001318	10926	Hs.485380	NM_006716	ENSG00000	DBF4	ASK|CHIF|	DBF4 zinc	protein-coding
chr6-4805	4.256311	2.952683	1.386286	2.129924	0.033178	0.981636	chr6	48059924	48060538	+	0	NA	intron (N	intron (N	8458	NM_001013	442213	Hs.659409	NM_207499	ENSG00000	PTCHD4	C6orf138|	patched d	protein-coding
chr10-897	3.625302	-3.75812	1.769476	-2.12386	0.033682	0.981636	chr10	89759664	89760117	+	0	NA	intron (N	intron (N	58300	NM_001284	9585	Hs.240	NM_016195	ENSG00000	KIF20B	CT90|KRMP	kinesin f	protein-coding
chr1-2174	7.385209	2.026902	0.95817	2.115388	0.034397	0.981636	chr1	2.17E+08	2.17E+08	+	0	NA	intron (N	L1PA7|LIN	193165	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch d	protein-coding
chr9-1211	4.418349	-2.93059	1.388725	-2.11027	0.034835	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	L1ME1|LIN	-38872	NM_001353	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr10-407	18.80009	1.230553	0.58479	2.104264	0.035355	0.981636	chr10	40756076	40756661	+	0	NA	Intergeni	ALR/Alpha	1611677	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1970	5.879175	-2.27417	1.082525	-2.1008	0.035658	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	Intergeni	MLT2B3|LT	-15537	NM_001994	2165	Hs.435782	NM_001994	ENSG00000	F13B	FXIIIB	coagulati	protein-coding
chr20-285	13.74029	1.456074	0.693223	2.100442	0.03569	0.981636	chr20	28553272	28553861	+	0	NA	Intergeni	ALR/Alpha	49099	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo

chr15-809	4.410491	-2.9281	1.394136	-2.10029	0.035703	0.981636	chr15	80933495	80934129	+	0	NA	intron (N	MIR|SINE|	56007	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr5-4961	179.2379	0.614564	0.292931	2.097981	0.035907	0.981636	chr5	49616438	49617194	+	0	NA	Intergeni	ALR/Alpha	824472	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-408	20.6046	1.171331	0.558458	2.09744	0.035955	0.981636	chr10	40806076	40806313	+	0	NA	Intergeni	ALR/Alpha	1561851	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-402	38.19696	0.92218	0.440596	2.093029	0.036347	0.981636	chr10	40267076	40268087	+	0	NA	Intergeni	ALR/Alpha	1570985	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr16-846	7.591162	-1.99474	0.95306	-2.09299	0.03635	0.981636	chr16	84615586	84615924	+	0	NA	intron (N	intron (N	2323	NM_021149	23406	Hs.289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr19-438	4.238745	2.938944	1.406556	2.089461	0.036666	0.981636	chr19	43875108	43875569	+	0	NA	intron (N	intron (N	4798	NM_001033	342908	Hs.76561	NM_001033	ENSG00000	ZNF404	-	zinc fing	protein-coding
chr6-4798	4.238745	2.938944	1.406556	2.089461	0.036666	0.981636	chr6	47989216	47990117	+	0	NA	intron (N	THE1A-int	79023	NM_001013	442213	Hs.659409	NM_207499	ENSG00000	PTCHD4	C6orf138|	patched c	protein-coding
chr1-1249	14.27016	1.40362	0.673417	2.084325	0.037131	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3406518	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-7390	7.357566	-1.95207	0.937843	-2.08145	0.037393	0.981636	chr2	73907971	73912171	+	0	NA	intron (N	AluSx1|SI	-16755	NR_134895	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguar	protein-coding
chr8-1332	6.63894	-2.08572	1.003234	-2.079	0.037617	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	25933	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr4-2684	7.349708	-1.95067	0.938723	-2.078	0.037709	0.981636	chr4	2684380	2684579	+	0	NA	intron (N	L1MEd|LIN	59047	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr12-108	8.820242	-1.75691	0.847451	-2.07317	0.038157	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	26146	NR_039717	1.01E+08		NR_039717	ENSG00000	MIR4496	-	microRNA	ncRNA
chr8-1439	6.615366	-2.08106	1.006381	-2.06787	0.038653	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	Intergeni	Intergeni	27535	NM_201384	5339	Hs.434248	NM_000445	ENSG00000	PLEC	EBS1|EBSM	plectin	protein-coding
chr7-5929	62.4047	0.779732	0.377467	2.065693	0.038857	0.981636	chr7	59292394	59292611	+	0	NA	Intergeni	ALR/Alpha	1842325	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-264	75.15622	0.725538	0.351299	2.065302	0.038894	0.981636	chr19	26460000	26460272	+	0	NA	Intergeni	ALR/Alpha	-1333295	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-885	6.582085	-2.09053	1.012931	-2.06384	0.039033	0.981636	chr14	88538470	88538669	+	0	NA	intron (N	intron (N	16438	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr6-5958	50.04129	0.822985	0.399562	2.059716	0.039426	0.981636	chr6	59586841	59587042	+	0	NA	Intergeni	ALR/Alpha	-1625495	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-2015	3.442553	-3.64925	1.772274	-2.05908	0.039487	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	1498	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr7-3641	3.393556	-3.65484	1.77675	-2.05704	0.039683	0.981636	chr7	36419496	36420375	+	0	NA	intron (N	intron (N	-29578	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr18-241	6.419492	2.103774	1.023135	2.056203	0.039763	0.981636	chr18	24146467	24146749	+	0	NA	intron (N	L1MEg|LIN	7124	NM_138644	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding
chr17-230	330.4404	0.542952	0.264229	2.054852	0.039893	0.981636	chr17	23016338	23016540	+	0	NA	Intergeni	ALR/Alpha	493328	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-618	4.161179	-2.86055	1.392121	-2.05482	0.039897	0.981636	chr17	61845152	61846160	+	0	NA	intron (N	Charlie1a	17903	NM_032043	83990	Hs.128903	NM_032043	ENSG00000	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr2-3056	6.607508	-2.0794	1.012061	-2.05462	0.039916	0.981636	chr2	30569159	30569358	+	0	NA	intron (N	intron (N	122012	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr6-1529	6.607508	-2.0794	1.012061	-2.05462	0.039916	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	10909	NM_012177	26271	Hs.520506	NM_012177	ENSG00000	FBXO5	EMI1|FBX5	F-box pro	protein-coding
chr12-454	3.41898	-3.64118	1.772982	-2.05371	0.040004	0.981636	chr12	4544342	4545240	+	0	NA	intron (N	L1MB7|LIN	5901	NM_001130	10635	Hs.730696	NM_006479	ENSG00000	RAD51AP1	PIR51	RAD51 ass	protein-coding
chr15-413	3.41898	-3.64118	1.772982	-2.05371	0.040004	0.981636	chr15	41347185	41347785	+	0	NA	intron (N	intron (N	14604	NM_016359	51203	Hs.615092	NM_016359	ENSG00000	NUSAP1	ANKT|BM03	nucleolar	protein-coding
chr18-799	4.145464	-2.85599	1.396053	-2.04576	0.04078	0.981636	chr18	79900796	79901362	+	0	NA	Intergeni	Intergeni	37411	NM_012283	26251	Hs.247905	NM_012283	ENSG00000	KCNG2	KCNF2|KV6	potassium	protein-coding
chr22-463	3.385698	-3.65224	1.785918	-2.04502	0.040853	0.981636	chr22	46316880	46317311	+	0	NA	intron (N	AluSx1|SI	-18306	NR_104241	55687	Hs.439524	NM_018006	ENSG00000	TRMU	LCAL3|MTC	tRNA 5-me	protein-coding
chr1-2116	3.411122	-3.63821	1.782005	-2.04164	0.041188	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	4538	NM_002497	4751	Hs.153704	NM_002497	ENSG00000	NEK2	HsPK21|NE	NIMA rela	protein-coding
chr2-1759	7.326134	-1.94633	0.953714	-2.04079	0.041272	0.981636	chr2	1.76E+08	1.76E+08	+	0	NA	intron (N	L1PA3|LIN	38639	NM_030650	80856	Hs.209561	NM_030650	ENSG00000	LNPK	KIAA1715|	lunapark,	protein-coding
chr7-3645	4.137606	-2.85364	1.403819	-2.03277	0.042076	0.981636	chr7	36452347	36454460	+	0	NA	3’ UTR (N	3’ UTR (N	-63046	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr7-1586	4.137606	-2.85364	1.403819	-2.03277	0.042076	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	AluY|SINE	44936	NM_017760	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr14-556	6.548803	-2.10072	1.035961	-2.0278	0.042581	0.981636	chr14	55631694	55631897	+	0	NA	intron (N	intron (N	51588	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr10-408	168.482	0.618197	0.305386	2.024314	0.042938	0.981636	chr10	40892151	40892527	+	0	NA	Intergeni	ALR/Alpha	1475706	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-6847	4.871947	-2.45966	1.217932	-2.01954	0.043431	0.981636	chr1	68479629	68479901	+	0	NA	intron (N	AluJr|SIN	-16911	NR_110671	1.02E+08	Hs.382856	NR_110671	ENSG00000	DEPDC1-AS	-	DEPDC1 an	ncRNA
chr15-808	4.871947	-2.45966	1.217932	-2.01954	0.043431	0.981636	chr15	80805796	80806551	+	0	NA	intron (N	Charlie29	26803	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYB	cell migr	protein-coding
chr15-406	4.178745	-2.83775	1.405379	-2.01921	0.043465	0.981636	chr15	40621023	40621625	+	0	NA	exon (NM_	exon (NM_	27075	NM_144508	57082	Hs.181855	NM_144508	ENSG00000	KNL1	AF15Q14|C	kinetocho	protein-coding
chr3-1006	4.178745	-2.83775	1.405379	-2.01921	0.043465	0.981636	chr3	10068230	10068803	+	0	NA	intron (N	L1MA3|LIN	39739	NM_173472	115795	Hs.190413	NM_173472	ENSG00000	FANCD2OS	C3orf24	FANCD2 op	protein-coding
chr15-402	4.905229	-2.44603	1.211975	-2.01822	0.043568	0.981636	chr15	40208699	40209574	+	0	NA	intron (N	intron (N	-8292	NM_001128	1.07E+08	Hs.732375	NM_001128	ENSG00000	BUB1B-PAK	PAK-5|PAK	BUB1B-PAK	protein-coding
chr11-748	4.129748	-2.85122	1.41607	-2.01348	0.044065	0.981636	chr11	74838783	74839035	+	0	NA	3’ UTR (N	3’ UTR (N	90060	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr10-114	7.744073	1.831101	0.90977	2.012708	0.044145	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSg|SIN	37150	NR_031747	1E+08		NR_031747	ENSG00000	MIR2110	hsa-mir-2	microRNA	ncRNA
chr20-317	4.170887	-2.83521	1.409446	-2.01158	0.044264	0.981636	chr20	31772407	31772929	+	0	NA	intron (N	L1ME4c|LI	33378	NM_012112	22974	Hs.244580	NM_012112	ENSG00000	TPX2	C20orf1|C	TPX2 micr	protein-coding
chr12-506	5.639571	-2.20102	1.094948	-2.01016	0.044414	0.981636	chr12	50631387	50631669	+	0	NA	intron (N	AluSz6|SI	126543	NM_173602	57609	Hs.505516	NM_020849	ENSG00000	DIP2B	-	disco int	protein-coding
chr1-1481	7.18693	1.96479	0.97808	2.008825	0.044556	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	AluSx1|SI	9549	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr9-1347	4.86409	-2.45774	1.224606	-2.00696	0.044754	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-53848	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chrX-4912	4.743191	2.4552	1.22456	2.004965	0.044967	0.981636	chrX	49120465	49120966	+	0	NA	intron (N	AluSx|SIN	3020	NM_015698	27238	Hs.503666	NM_015698	ENSG00000	GPKOW	GPATC5|GP	G-patch c	protein-coding
chr9-1280	5.487056	2.213379	1.104267	2.004387	0.045029	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4367	NM_197956	203245	Hs.373606	NM_197956	ENSG00000	NAIF1	C9orf90|b	nuclear a	protein-coding
chr10-740	5.606289	-2.21233	1.105061	-2.002	0.045285	0.981636	chr10	74023318	74023576	+	0	NA	intron (N	Tigger3a|	25331	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr17-549	5.606289	-2.21233	1.105061	-2.002	0.045285	0.981636	chr17	54915969	54916429	+	0	NA	intron (N	L2c|LINE|	15347	NM_005486	10040	Hs.153504	NM_005486	ENSG00000	TOM1L1	SRCASM	target of	protein-coding
chr4-1139	5.623855	-2.19747	1.097664	-2.00195	0.04529	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	8498	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr7-4591	7.844446	-1.79347	0.896277	-2.00102	0.04539	0.981636	chr7	45912948	45913418	+	0	NA	3’ UTR (N	3’ UTR (N	8089	NM_000598	3486	Hs.450230	NM_000598	ENSG00000	IGFBP3	BP-53|IBP	insulin l	protein-coding
chr2-2373	7.836588	-1.79213	0.896148	-1.99982	0.04552	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	TTS (NM_0	TTS (NM_0	90807	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr12-641	8.555214	-1.71281	0.856875	-1.9989	0.045619	0.981636	chr12	64114538	64114737	+	0	NA	intron (N	AluSx1|SI	107659	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr1-8509	6.990501	1.915795	0.958538	1.998663	0.045645	0.981636	chr1	85097759	85099960	+	0	NA	intron (N	intron (N	-34935	NR_039619	1.01E+08		NR_039619	ENSG00000	MIR4423	mir-4423	microRNA	ncRNA
chr7-3641	4.889513	-2.44177	1.221894	-1.99835	0.045679	0.981636	chr7	36410607	36412165	+	0	NA	intron (N	intron (N	-21029	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr1-2258	8.493946	1.74043	0.871649	1.99671	0.045857	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-2507	NM_000120	2052	Hs.89649	NM_000120	ENSG00000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr1-1086	5.598431	-2.21062	1.107881	-1.99535	0.046004	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	MIRc|SINE	47674	NM_001102	113802	Hs.7962	NM_144584	ENSG00000	HENMT1	C1orf59|H	HEN methy	protein-coding
chr15-896	5.598431	-2.21062	1.107881	-1.99535	0.046004	0.981636	chr15	89612714	89613455	+	0	NA	intron (N	L1M4|LINE	37497	NM_001308	90381	Hs.441708	NM_152259	ENSG00000	TICRR	C15orf42|	TOPBP1 in	protein-coding
chr9-7826	5.598431	-2.21062	1.107881	-1.99535	0.046004	0.981636	chr9	78265970	78266174	+	0	NA	intron (N	intron (N	29997	NM_001349	84131	Hs.187621	NM_032171	ENSG00000	CEP78	C9orf81|C	centrosom	protein-coding
chr8-1179	7.092539	-1.90114	0.95289	-1.99513	0.046029	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSp|SIN	-21587	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr3-5672	5.520337	2.214937	1.11106	1.993535	0.046203	0.981636	chr3	56729380	56729856	+	0	NA	exon (NM_	exon (NM_	46099	NM_001128	50650	Hs.476402	NM_019555	ENSG00000	ARHGEF3	GEF3|STA3	Rho guani	protein-coding
chr10-307	6.391479	-2.01775	1.012762	-1.99232	0.046336	0.981636	chr10	3078908	3080060	+	0	NA	intron (N	AluY|SINE	10295	NM_001345	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|P	phosphofr	protein-coding
chr1-1455	14.40021	1.308251	0.656746	1.992019	0.046369	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	33103	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG00000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr15-909	6.383621	-2.01615	1.012687	-1.99089	0.046492	0.981636	chr15	90969321	90969534	+	0	NA	intron (N	intron (N	3058	NR_051984	1.01E+08	Hs.366401	NR_051984	ENSG00000	PRC1-AS1	-	PRC1 anti	ncRNA
chr9-1126	5.461632	2.207529	1.108819	1.990883	0.046494	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEc|LIN	69801	NM_021218	58493	Hs.658575	NM_021218	ENSG00000	INIP	C9orf80|H	INTS3 and	protein-coding
chr5-4964	118.1976	0.596697	0.299819	1.990188	0.04657	0.981636	chr5	49642240	49642817	+	0	NA	Intergeni	ALR/Alpha	798760	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-347	5.615997	-2.19565	1.103296	-1.99008	0.046582	0.981636	chr14	34779744	34780076	+	0	NA	intron (N	intron (N	-65087	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr4-1936	5.615997	-2.19565	1.103296	-1.99008	0.046582	0.981636	chr4	1936917	1937116	+	0	NA	intron (N	intron (N	36390	NM_133334	7468	Hs.113876	NM_007331	ENSG00000	NSD2	KMT3F|KMT	nuclear r	protein-coding
chr17-268	275.4286	0.529037	0.265983	1.988987	0.046703	0.981636	chr17	26880960	26885887	+	0	NA	Intergeni	ALR/Alpha	205818	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr8-1445	4.856232	-2.45582	1.235013	-1.9885	0.046756	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3431	NM_001024	441381	Hs.740859	NM_001024	ENSG00000	LRRC24	LRRC14OS	leucine r	protein-coding
chr19-251	78.02472	0.661828	0.333115	1.986786	0.046946	0.981636	chr19	25146941	25147206	+	0	NA	Intergeni	ALR/Alpha	-983626	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4963	106.7794	0.614792	0.309466	1.98662	0.046965	0.981636	chr5	49633285	49633741	+	0	NA	Intergeni	ALR/Alpha	807775	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2251	5.494914	2.209075	1.112565	1.985569	0.047081	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	Tigger1|D	195048	NM_001145	127602	Hs.133977	NM_001373	ENSG00000	DNAH14	C1orf67|D	dynein ax	protein-coding
chr3-1872	6.375763	-2.01451	1.015047	-1.98465	0.047184	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-32206	NR_110052	1.02E+08	Hs.640145	NR_110052	ENSG00000	LOC101929	-	uncharact	ncRNA
chr7-7946	6.583935	-2.07391	1.04543	-1.98378	0.04728	0.981636	chr7	79462506	79462750	+	0	NA	non-codin	non-codin	8668	NR_038343	1.01E+08	Hs.31474	NR_038343	ENSG00000	MAGI2-AS3	-	MAGI2 ant	ncRNA
chr9-1150	5.672853	-2.18951	1.104878	-1.98168	0.047515	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	74483	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|D	tenascin	protein-coding
chr5-4873	307.5897	0.550281	0.277919	1.980007	0.047703	0.981636	chr5	48732109	48732399	+	0	NA	Intergeni	ALR/Alpha	1709034	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-1393	4.881655	-2.43946	1.232272	-1.97965	0.047743	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	20760	NM_016019	51631	Hs.731488	NM_016019	ENSG00000	LUC7L2	CGI-59|CC	LUC7 like	protein-coding
chr1-8399	7.094389	-1.88697	0.95329	-1.97943	0.047768	0.981636	chr1	8399404	8399847	+	0	NA	intron (N	L1ME3Cz|L	24207	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr18-235	7.094389	-1.88697	0.95329	-1.97943	0.047768	0.981636	chr18	23573349	23573579	+	0	NA	exon (NM_	exon (NM_	13042	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr7-1003	7.094389	-1.88697	0.95329	-1.97943	0.047768	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	MLT1G3|LT	-6840	NR_003613	5379	Hs.634244	NM_005394		PMS2P1	PMS2L1|PM	PMS1 homo	pseudo
chr15-807	7.143386	-1.88153	0.951979	-1.97644	0.048105	0.981636	chr15	80797390	80797909	+	0	NA	intron (N	MLT1I|LTR	18279	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYB	cell migr	protein-coding
chr11-329	7.846296	-1.78072	0.901451	-1.97539	0.048224	0.981636	chr11	32935600	32935810	+	0	NA	intron (N	intron (N	42894	NM_001076	79832	Hs.369368	NM_024774	ENSG00000	QSER1	-	glutamine	protein-coding
chr2-9278	11.72472	1.43055	0.724217	1.975305	0.048233	0.981636	chr2	92783334	92783615	+	0	NA	Intergeni	ALR/Alpha	842341	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4932	99.93534	0.653536	0.330985	1.974517	0.048323	0.981636	chr5	49320015	49320249	+	0	NA	Intergeni	ALR/Alpha	1121156	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2146	5.680711	-2.19113	1.110677	-1.97279	0.04852	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	AluJb|SIN	52456	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr1-2488	5.46949	2.203125	1.117235	1.971945	0.048616	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	TTS (NM_0	TTS (NM_0	9231	NM_001350	55657	Hs.377705	NM_017865	ENSG00000	ZNF692	AREBP|Zfp	zinc fing	protein-coding
chr14-551	3.153952	-3.54076	1.797178	-1.97018	0.048818	0.981636	chr14	55177990	55179670	+	0	NA	intron (N	AluSx|SIN	12755	NM_001146	9787	Hs.77695	NM_014750	ENSG00000	DLGAP5	DLG7|HURP	DLG assoc	protein-coding
chr2-1688	3.153952	-3.54076	1.797178	-1.97018	0.048818	0.981636	chr2	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	2744	NM_020675	57405	Hs.421956	NM_020675	ENSG00000	SPC25	AD024|SPB	SPC25 com	protein-coding
chr16-649	7.12767	-1.87855	0.953928	-1.96928	0.048921	0.981636	chr16	64965131	64965746	+	0	NA	intron (N	Tigger3b|	156625	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr15-413	3.179376	-3.52641	1.793129	-1.96662	0.049227	0.981636	chr15	41355967	41358368	+	0	NA	intron (N	AluSx1|SI	24286	NM_016359	51203	Hs.615092	NM_016359	ENSG00000	NUSAP1	ANKT|BM03	nucleolar	protein-coding
chr2-2005	3.179376	-3.52641	1.793129	-1.96662	0.049227	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	9757	NM_152524	151246	Hs.655182	NM_152524	ENSG00000	SGO2	SGOL2|TRI	shugoshin	protein-coding
chr8-1056	7.023783	1.917162	0.975288	1.96574	0.049329	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	MLT1A0|LT	363543	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing	protein-coding
chr15-895	3.146094	-3.53795	1.805102	-1.95997	0.049999	0.981636	chr15	89592665	89593430	+	0	NA	intron (N	L1M5|LINE	17460	NM_001308	90381	Hs.441708	NM_152259	ENSG00000	TICRR	C15orf42|	TOPBP1 in	protein-coding
chr12-486	6.221213	2.033042	1.038428	1.957807	0.050253	0.981636	chr12	48642386	48642677	+	0	NA	Intergeni	SVA_A|Ret	11987	NR_002968	677815	Hs.689717	NR_002968	ENSG00000	SNORA2C	ACA34|MIR	small nuc	snoRNA
chrX-1544	6.221213	2.033042	1.038428	1.957807	0.050253	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	10347	NM_006014	8270	Hs.444619	NM_006014	ENSG00000	LAGE3	CVG5|DXS9	L antigen	protein-coding
chr1-1633	3.913718	-2.75984	1.410348	-1.95685	0.050365	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	7288	NM_145697	83540	Hs.651950	NM_031423	ENSG00000	NUF2	CDCA1|CT1	NUF2 comp	protein-coding
chr15-909	3.913718	-2.75984	1.410348	-1.95685	0.050365	0.981636	chr15	90981824	90983480	+	0	NA	intron (N	AluSg|SIN	11883	NM_001267	9055	Hs.366401	NM_003981	ENSG00000	PRC1	ASE1	protein r	protein-coding
chr7-3643	3.913718	-2.75984	1.410348	-1.95685	0.050365	0.981636	chr7	36434481	36435299	+	0	NA	intron (N	intron (N	-44533	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr16-236	5.580866	-2.2272	1.13844	-1.95636	0.050423	0.981636	chr16	23663384	23663583	+	0	NA	intron (N	AluSz|SIN	-15406	NM_005030	5347	Hs.592049	NM_005030	ENSG00000	PLK1	PLK|STPK1	polo like	protein-coding
chr17-591	3.171518	-3.52327	1.800997	-1.95629	0.050431	0.981636	chr17	59195158	59195834	+	0	NA	intron (N	intron (N	-14514	NM_018149	55181	Hs.7296	NM_018149	ENSG00000	SMG8	C17orf71	SMG8 nons	protein-coding
chr4-1784	3.171518	-3.52327	1.800997	-1.95629	0.050431	0.981636	chr4	17840289	17841966	+	0	NA	TTS (NR_1	TTS (NR_1	30148	NR_073124	64151	Hs.567567	NM_022346	ENSG00000	NCAPG	CAPG|CHCG	non-SMC c	protein-coding
chr3-3801	5.444066	2.197028	1.125276	1.952434	0.050887	0.981636	chr3	38018737	38019182	+	0	NA	intron (N	intron (N	5561	NM_001130	5333	Hs.80776	NM_006225	ENSG00000	PLCD1	NDNC3|PLC	phospholi	protein-coding
chr17-404	3.90586	-2.75741	1.412576	-1.95204	0.050933	0.981636	chr17	40408705	40411129	+	0	NA	intron (N	AluSz|SIN	7979	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr6-2513	6.326765	-2.02091	1.038737	-1.94554	0.05171	0.981636	chr6	25134273	25134671	+	0	NA	intron (N	MER4-int|	3351	NR_002174	8418	Hs.484918	NR_002174	ENSG00000	CMAHP	CMAH|CSAH	cytidine	pseudo
chr1-4475	4.914937	-2.42394	1.246904	-1.94397	0.0519	0.981636	chr1	44752255	44752454	+	0	NA	intron (N	AluY|SINE	5960	NM_001297	11004	Hs.720061	NM_006845	ENSG00000	KIF2C	CT139|KNS	kinesin f	protein-coding
chr17-403	3.898002	-2.75493	1.419113	-1.94131	0.052221	0.981636	chr17	40391521	40394729	+	0	NA	intron (N	AluJb|SIN	24771	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr6-7508	3.898002	-2.75493	1.419113	-1.94131	0.052221	0.981636	chr6	75082462	75082896	+	0	NA	Intergeni	Intergeni	46103	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr7-9558	7.520371	1.766237	0.909999	1.940921	0.052268	0.981636	chr7	95584388	95590726	+	0	NA	intron (N	intron (N	8959	NM_002612	5166	Hs.8364	NM_002612	ENSG00000	PDK4	-	pyruvate	protein-coding
chr7-1860	7.545794	1.770739	0.912528	1.940476	0.052322	0.981636	chr7	18604493	18604853	+	0	NA	intron (N	AluY|SINE	95403	NM_001204	9734	Hs.196054	NM_014707	ENSG00000	HDAC9	HD7|HD7b|	histone c	protein-coding
chr8-4286	6.195789	2.027544	1.045188	1.939885	0.052394	0.981636	chr8	42869977	42870176	+	0	NA	non-codin	non-codin	26199	NR_039679	1.01E+08		NR_039679	ENSG00000	MIR4469	mir-4469	microRNA	ncRNA
chr17-417	7.56336	1.778167	0.917309	1.938461	0.052567	0.981636	chr17	41758125	41758926	+	0	NA	intron (N	intron (N	-23879	NM_001079	9001	Hs.158300	NM_003949	ENSG00000	HAP1	HAP2|HIP5	huntingti	protein-coding
chr1-1490	8.187964	1.682689	0.868351	1.937799	0.052648	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	57450	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr12-326	8.248519	1.700452	0.879634	1.933137	0.053219	0.981636	chr12	32640208	32640861	+	0	NA	3’ UTR (N	3’ UTR (N	-38666	NM_001330	10059	Hs.556296	NM_005690	ENSG00000	DNM1L	DLP1|DRP1	dynamin 1	protein-coding
chr10-400	20.34965	1.069488	0.553277	1.933005	0.053236	0.981636	chr10	40070752	40070985	+	0	NA	Intergeni	ALR/Alpha	1374272	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr8-5859	6.301342	-2.03302	1.054325	-1.92826	0.053822	0.981636	chr8	58593557	58593756	+	0	NA	intron (N	intron (N	40395	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr1-3645	6.87309	1.902643	0.987035	1.927634	0.053901	0.981636	chr1	3645347	3645616	+	0	NA	intron (N	CpG	4622	NM_017818	49856	Hs.31714	NM_017818	ENSG00000	WRAP73	WDR8	WD repeat	protein-coding
chr10-926	4.632344	-2.37326	1.231803	-1.92666	0.054022	0.981636	chr10	92633655	92634253	+	0	NA	intron (N	intron (N	40824	NM_004523	3832	Hs.8878	NM_004523	ENSG00000	KIF11	EG5|HKSP|	kinesin f	protein-coding
chr11-662	6.743224	1.854104	0.962881	1.925579	0.054157	0.981636	chr11	66220198	66220412	+	0	NA	intron (N	intron (N	-36989	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr20-560	6.743224	1.854104	0.962881	1.925579	0.054157	0.981636	chr20	5608271	5610084	+	0	NA	intron (N	intron (N	1829	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr21-452	5.625705	-2.17766	1.131903	-1.92389	0.054368	0.981636	chr21	45210871	45211288	+	0	NA	intron (N	intron (N	-23261	NR_135279	114042	Hs.375832	NR_135279	ENSG00000	LINC00334	C21orf89|	long inte	ncRNA
chr16-472	6.76079	1.862265	0.968786	1.922266	0.054572	0.981636	chr16	47257551	47257818	+	0	NA	intron (N	L1MC4|LIN	113616	NR_110904	1.02E+08	Hs.634652	NR_110903		ITFG1-AS1	-	ITFG1 ant	ncRNA
chr17-665	5.592423	-2.18983	1.140512	-1.92005	0.054852	0.981636	chr17	66597588	66597787	+	0	NA	intron (N	L1HS|LINE	-180833	NR_110822	1.02E+08	Hs.650730	NR_110822		PRKCA-AS1	-	PRKCA ant	ncRNA

chr5-4908	14.71608	1.2342	0.642964	1.919547	0.054915	0.981636	chr5	49088837	49089492	+	0	NA	Intergeni	ALR/Alpha	1352124	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-2679	4.657768	-2.35714	1.229029	-1.91789	0.055125	0.981636	chr2	26790705	26792687	+	0	NA	intron (N	intron (N	5640	NM_001809	1058	Hs.1594	NM_001809	ENSG00000	CENPA	CENP-A|Ce	centromer	protein-coding
chr8-9504	4.657768	-2.35714	1.229029	-1.91789	0.055125	0.981636	chr8	95045645	95045900	+	0	NA	intron (N	intron (N	20783	NR_148913	137682	Hs.435500	NM_152416	ENSG00000	NDUFAF6	C8orf38|M	NADH:ubiq	protein-coding
chr8-4170	6.717801	1.849174	0.965073	1.916098	0.055353	0.981636	chr8	41707497	41707701	+	0	NA	intron (N	intron (N	-42325	NM_020480	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr12-105	5.399967	-2.12396	1.109148	-1.91495	0.055499	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	Intergeni	AluJr|SIN	42466	NM_001145	387882	Hs.368938	NM_207376	ENSG00000	C12orf75	AGD3|OCC-	chromosom	protein-coding
chr19-564	7.502805	1.758828	0.918838	1.914186	0.055596	0.981636	chr19	56460915	56461342	+	0	NA	intron (N	MIR|SINE|	16217	NM_001321	63934	Hs.676605	NM_022103	ENSG00000	ZNF667	MIPU1	zinc fing	protein-coding
chr2-3202	7.502805	1.758828	0.918838	1.914186	0.055596	0.981636	chr2	32024460	32024737	+	0	NA	intron (N	L1ME3A|LI	-13590	NR_126034	51072	Hs.444969	NM_015955	ENSG00000	MEMO1	C2orf4|CC	mediator	protein-coding
chr11-665	5.991502	1.974324	1.03206	1.912993	0.055749	0.981636	chr11	66535964	66536516	+	0	NA	3’ UTR (N	3’ UTR (N	9808	NM_207340	254359	Hs.209587	NM_207340	ENSG00000	ZDHHC24	-	zinc fing	protein-coding
chr10-404	50.79542	0.7396	0.38665	1.912842	0.055768	0.981636	chr10	40412688	40414995	+	0	NA	Intergeni	ALR/Alpha	1717245	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-2146	5.384251	-2.12024	1.109116	-1.91164	0.055922	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	exon (NM_	exon (NM_	54016	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr10-408	13.94476	1.354961	0.709003	1.911078	0.055995	0.981636	chr10	40898298	40898519	+	0	NA	Intergeni	ALR/Alpha	1469637	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-105	5.99936	1.970665	1.031772	1.909982	0.056136	0.981636	chr19	1056868	1060029	+	0	NA	intron (N	L3b|LINE|	-7511	NM_001258	23526	Hs.465521	NM_012292	ENSG00000	ARHGAP45	HA-1|HLA-	Rho GTPas	protein-coding
chr19-400	5.99936	1.970665	1.031772	1.909982	0.056136	0.981636	chr19	40034687	40035214	+	0	NA	exon (NM_	exon (NM_	21281	NM_001005	163131	Hs.101139	NM_001005	ENSG00000	ZNF780B	ZNF779	zinc fing	protein-coding
chr2-1555	5.99936	1.970665	1.031772	1.909982	0.056136	0.981636	chr2	15552908	15553233	+	0	NA	intron (N	AluSc|SIN	8264	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr3-1836	5.99936	1.970665	1.031772	1.909982	0.056136	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSp|SIN	-24991	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr8-2332	5.366686	-2.13551	1.118168	-1.90983	0.056155	0.981636	chr8	23324744	23325985	+	0	NA	intron (N	AluJb|SIN	-10844	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr5-6714	8.170399	1.675769	0.877712	1.909247	0.05623	0.981636	chr5	67142994	67143302	+	0	NA	intron (N	FLAM_C|SI	53651	NM_005582	4064	Hs.87205	NM_005582	ENSG00000	CD180	LY64|Ly78	CD180 mol	protein-coding
chr10-405	41.71549	0.78331	0.410351	1.908877	0.056278	0.981636	chr10	40587921	40588148	+	0	NA	Intergeni	ALR/Alpha	1780011	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-1219	6.862643	-1.82497	0.957442	-1.90609	0.056639	0.981636	chr5	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA7|LIN	2913	NM_152546	153443	Hs.107622	NM_152546	ENSG00000	SRFBP1	BUD22|P49	serum res	protein-coding
chr5-4949	85.83963	0.69468	0.364496	1.905864	0.056668	0.981636	chr5	49492298	49492628	+	0	NA	Intergeni	ALR/Alpha	948825	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-3347	6.837219	-1.83492	0.963356	-1.90471	0.056817	0.981636	chr5	33470230	33470502	+	0	NA	Intergeni	Intergeni	29590	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr20-509	5.966078	1.968861	1.03477	1.902704	0.057079	0.981636	chr20	5096548	5097333	+	0	NA	intron (N	intron (N	16136	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr19-564	6.725659	1.845905	0.970441	1.90213	0.057154	0.981636	chr19	56441478	56444947	+	0	NA	intron (N	L1MB7|LIN	34133	NM_001321	63934	Hs.676605	NM_022103	ENSG00000	ZNF667	MIPU1	zinc fing	protein-coding
chr3-1704	5.376393	-2.11834	1.113709	-1.90206	0.057163	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	3313	NR_106886	1.02E+08		NR_106886	ENSG00000	MIR6828	hsa-mir-6	microRNA	ncRNA
chr6-3340	4.616628	-2.36919	1.246821	-1.90018	0.057409	0.981636	chr6	33406024	33406324	+	0	NA	intron (N	intron (N	-4840	NM_024165	5252	Hs.166204	NM_002636	ENSG00000	PHF1	MTF2L2|PC	PHD finge	protein-coding
chr16-145	5.222213	2.127513	1.120682	1.898408	0.057642	0.981636	chr16	1457063	1457396	+	0	NA	intron (N	intron (N	-12740	NM_001143	645811	Hs.355232	NM_001143	ENSG00000	CCDC154	C16orf29	coiled-co	protein-coding
chr16-302	6.102877	-1.95442	1.029643	-1.89816	0.057676	0.981636	chr16	3021770	3022334	+	0	NA	TTS (NM_0	TTS (NM_0	1684	NM_016639	51330	Hs.355899	NM_016639	ENSG00000	TNFRSF12A	CD266|FN1	TNF recep	protein-coding
chr8-1332	6.136159	-1.94473	1.024803	-1.89766	0.057741	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MER5A|DNA	24136	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chr6-1390	6.829361	-1.83345	0.966763	-1.89648	0.057896	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	14020	NM_021243	58527	Hs.600861	NM_021243	ENSG00000	ABRACL	C6orf115|	ABRA C-te	protein-coding
chr1-1928	13.98978	1.24772	0.657959	1.89635	0.057914	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	1827	NM_002923	5997	Hs.78944	NM_002923	ENSG00000	RGS2	G0S8	regulator	protein-coding
chr5-7929	6.684519	1.847389	0.975542	1.893705	0.058264	0.981636	chr5	79290640	79290900	+	0	NA	intron (N	AluSg7|SI	54639	NM_152405	133746	Hs.482605	NM_152405	ENSG00000	JMY	WHAMM2|WH	junction	protein-coding
chr19-446	6.101028	-1.97126	1.041129	-1.89338	0.058307	0.981636	chr19	44676444	44676643	+	0	NA	intron (N	intron (N	5091	NM_020219	56971	Hs.416925	NM_020219	ENSG00000	CEACAM19	CEACM19|C	carcinoem	protein-coding
chr17-404	4.642052	-2.3525	1.244004	-1.89107	0.058615	0.981636	chr17	40404772	40407422	+	0	NA	intron (N	AluSq2|SI	11799	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr6-1445	5.425391	-2.1104	1.116557	-1.89009	0.058745	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	126067	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr9-5462	5.425391	-2.1104	1.116557	-1.89009	0.058745	0.981636	chr9	5462599	5463108	+	0	NA	exon (NM_	exon (NM_	12311	NM_001314	29126	Hs.521989	NM_014143	ENSG00000	CD274	B7-H|B7H1	CD274 mol	protein-coding
chr7-1379	11.07578	-1.40387	0.743834	-1.88734	0.059114	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	L1PA8|LIN	6471	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr11-280	5.368536	-2.1164	1.121588	-1.88697	0.059164	0.981636	chr11	28087724	28089555	+	0	NA	exon (NM_	exon (NM_	19517	NM_031217	81930	Hs.301052	NM_031217	ENSG00000	KIF18A	MS-KIF18A	kinesin f	protein-coding
chr2-1527	5.368536	-2.1164	1.121588	-1.88697	0.059164	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	HERVIP10F	11316	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FB	pre-mRNA	protein-coding
chr5-1294	8.317461	-1.64711	0.873047	-1.88662	0.059211	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx1|SI	-8283	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr20-317	5.343112	-2.13019	1.13249	-1.88098	0.059974	0.981636	chr20	31779835	31780153	+	0	NA	intron (N	L2b|LINE|	-39381	NM_033118	85366	Hs.86092	NM_033118	ENSG00000	MYLK2	KMLC|MLCK	myosin li	protein-coding
chr9-3805	5.343112	-2.13019	1.13249	-1.88098	0.059974	0.981636	chr9	38059580	38059808	+	0	NA	intron (N	intron (N	9533	NM_003028	6461	Hs.521482	NM_003028	ENSG00000	SHB	bA3J10.2	SH2 domai	protein-coding
chr16-884	6.007218	1.96681	1.046087	1.880159	0.060086	0.981636	chr16	884159	885094	+	0	NA	intron (N	L1MEc|LIN	-36407	NR_110946	1.02E+08	Hs.737087	NR_110945	ENSG00000	LMF1-AS1	LA16c-366	LMF1 anti	ncRNA
chr19-574	5.230071	2.12304	1.12942	1.879761	0.060141	0.981636	chr19	57452347	57452546	+	0	NA	Intergeni	MSTD|LTR|	4293	NM_020633	57191	Hs.677423	NM_020633	ENSG00000	VN1R1	V1RL1|VNR	vomeronas	protein-coding
chr17-281	7.12952	-1.86211	0.991981	-1.87716	0.060496	0.981636	chr17	28101275	28101474	+	0	NA	intron (N	L1ME1|LIN	58697	NM_016231	51701	Hs.208759	NM_016231	ENSG00000	NLK	-	nemo like	protein-coding
chr1-1743	8.758974	1.57614	0.83999	1.876379	0.060603	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1MA6|LIN	50710	NM_001366	9910	Hs.585378	NM_014857	ENSG00000	RABGAP1L	HHL|TBC1D	RAB GTPas	protein-coding
chr6-5938	55.08224	0.725062	0.386781	1.874605	0.060847	0.981636	chr6	59383276	59383494	+	0	NA	Intergeni	ALR/Alpha	-1421939	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1228	11.95647	1.326251	0.707629	1.874217	0.060901	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1331221	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-117	9.554399	-1.494	0.797534	-1.87328	0.06103	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5104	NR_045215	1.01E+08	Hs.732365	NR_045215		LOC100652	-	uncharact	ncRNA
chr10-400	38.09379	0.834661	0.446167	1.870737	0.061381	0.981636	chr10	40019658	40020581	+	0	NA	Intergeni	ALR/Alpha	1323523	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1628	7.991535	1.636747	0.875458	1.869589	0.061541	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	10578	NM_016371	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr18-764	7.991535	1.636747	0.875458	1.869589	0.061541	0.981636	chr18	76458859	76459071	+	0	NA	intron (N	intron (N	-32687	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-467	7.973969	1.629865	0.872224	1.868631	0.061674	0.981636	chr17	46751809	46752405	+	0	NA	intron (N	intron (N	66585	NM_030753	7473	Hs.445884	NM_030753	ENSG00000	WNT3	INT4|TETA	Wnt famil	protein-coding
chr1-4627	2.906491	-3.41379	1.827851	-1.86765	0.061811	0.981636	chr1	46270271	46271736	+	0	NA	intron (N	intron (N	23240	NM_003579	8438	Hs.642042	NM_003579	ENSG00000	RAD54L	HR54|RAD5	RAD54 lik	protein-coding
chr3-4481	5.360678	-2.1144	1.133109	-1.86601	0.062039	0.981636	chr3	44817188	44817856	+	0	NA	intron (N	L1PA6|LIN	-44366	NR_030290	693149		NR_030290	ENSG00000	MIR564	MIRN564|h	microRNA	ncRNA
chr6-3811	5.360678	-2.1144	1.133109	-1.86601	0.062039	0.981636	chr6	38118215	38118468	+	0	NA	intron (N	intron (N	298614	NM_021943	60685	Hs.36959	NM_021943	ENSG00000	ZFAND3	TEX27	zinc fing	protein-coding
chr8-8374	6.813645	-1.83058	0.981048	-1.86594	0.062049	0.981636	chr8	8374207	8374488	+	0	NA	intron (N	MIR1_Amn|	11897	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr3-1138	5.915231	1.957693	1.049368	1.865593	0.062098	0.981636	chr3	11383684	11383918	+	0	NA	intron (N	L1MC4|LIN	111404	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr10-414	128.1323	0.59372	0.318553	1.863805	0.062349	0.981636	chr10	41405822	41406021	+	0	NA	Intergeni	ALR/Alpha	962124	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr8-1441	5.932796	1.967066	1.055656	1.863359	0.062412	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	26214	NM_001288	727957	Hs.443139	NM_032450	ENSG00000	MROH1	HEATR7A	maestro h	protein-coding
chr16-233	4.51163	2.359282	1.268919	1.859284	0.062987	0.981636	chr16	23393647	23393986	+	0	NA	intron (N	AluSx1|SI	59373	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr18-838	7.981827	1.627252	0.87609	1.857403	0.063254	0.981636	chr18	8386795	8388533	+	0	NA	intron (N	MER63A|DN	-20630	NR_024419	1E+08	Hs.666655	NR_024419	ENSG00000	LOC100192	-	uncharact	ncRNA
chr22-462	9.956437	1.441402	0.776638	1.855951	0.063461	0.981636	chr22	46292391	46292645	+	0	NA	intron (N	intron (N	4142	NR_024009	150384	Hs.348663	NR_024009	ENSG00000	GTSE1-DT	CN5H6.4|C	GTSE1 div	ncRNA
chr5-9678	6.112585	-1.93923	1.04521	-1.85535	0.063546	0.981636	chr5	96780075	96780299	+	0	NA	intron (N	intron (N	27758	NM_001040	51752	Hs.666524	NM_016442	ENSG00000	ERAP1	A-LAP|ALA	endoplasm	protein-coding
chr10-403	12.02303	1.328985	0.716734	1.854222	0.063707	0.981636	chr10	40396881	40397628	+	0	NA	Intergeni	ALR/Alpha	1700658	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1538	5.95637	1.95551	1.054815	1.853889	0.063755	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluY|SINE	46984	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr1-2305	8.861196	-1.53377	0.829317	-1.84944	0.064394	0.981636	chr1	23055938	23056137	+	0	NA	exon (NM_	exon (NM_	11732	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr2-1106	2.924056	-3.39479	1.836171	-1.84884	0.06448	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	17001	NR_132975	1.07E+08		NR_132975		SNORD132	-	small nuc	snoRNA
chr21-437	7.222247	1.698029	0.919864	1.845956	0.064899	0.981636	chr21	43744344	43745006	+	0	NA	intron (N	L1MB4|LIN	3189	NM_001331	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr1-1217	137.5174	0.566237	0.307086	1.843905	0.065197	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	252637	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2418	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	Charlie1b	10373	NM_006027	9156	Hs.498248	NM_003686	ENSG00000	EXO1	HEX1|hExo	exonuclea	protein-coding
chr13-428	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr13	42899711	42900083	+	0	NA	intron (N	intron (N	-27153	NR_126388	1.04E+08	Hs.633967	NR_126388		LINC00428	-	long inte	ncRNA
chr15-413	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr15	41349288	41352536	+	0	NA	intron (N	intron (N	18031	NM_016359	51203	Hs.615092	NM_016359	ENSG00000	NUSAP1	ANKT|BM03	nucleolar	protein-coding
chr17-820	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr17	8205930	8206850	+	0	NA	intron (N	AluSx1|SI	3835	NR_132731	9212	Hs.442658	NM_004217	ENSG00000	AURKB	AIK2|AIM-	aurora ki	protein-coding
chr18-257	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr18	2577754	2578839	+	0	NA	intron (N	intron (N	6739	NM_006101	10403	Hs.414407	NM_006101	ENSG00000	NDC80	HEC|HEC1|	NDC80 kin	protein-coding
chr4-1278	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	18032	NM_001190	10733	Hs.172052	NM_014264	ENSG00000	PLK4	MCCRP2|SA	polo like	protein-coding
chr6-3340	3.658398	-2.64895	1.436831	-1.84361	0.06524	0.981636	chr6	33400840	33402453	+	0	NA	intron (N	Tigger3b|	-9368	NM_024165	5252	Hs.166204	NM_002636	ENSG00000	PHF1	MTF2L2|PC	PHD finge	protein-coding
chr6-1214	6.805788	-1.82915	0.99233	-1.84329	0.065286	0.981636	chr6	1.21E+08	1.21E+08	+	0	NA	intron (N	AluYm1|SI	5363	NM_000165	2697	Hs.74471	NM_000165	ENSG00000	GJA1	AVSD3|CMD	gap junct	protein-coding
chr1-2239	7.230105	1.695149	0.919805	1.842945	0.065337	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJo|SIN	20931	NR_132119	441124	Hs.520589	NR_132119		GTF2IP20	-	general t	pseudo
chr9-1298	7.230105	1.695149	0.919805	1.842945	0.065337	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	7849	NM_000113	1861	Hs.534312	NM_000113	ENSG00000	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chr7-5879	112.9718	0.621835	0.337471	1.842635	0.065382	0.981636	chr7	58797742	58797962	+	0	NA	Intergeni	ALR/Alpha	1347675	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr6-5892	211.2807	0.498478	0.270808	1.840704	0.065665	0.981636	chr6	58924847	58925081	+	0	NA	Intergeni	ALR/Alpha	-963518	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1217	25.2329	0.961584	0.522699	1.83965	0.06582	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	226850	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-499	7.93098	1.618501	0.883632	1.831646	0.067004	0.981636	chr10	4991391	4991658	+	0	NA	intron (N	intron (N	12490	NM_001321	1646	Hs.460260	NM_001354	ENSG00000	AKR1C2	AKR1C-pse	aldo-keto	protein-coding
chr5-1283	7.349523	-1.67188	0.913439	-1.83031	0.067204	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L2a|LINE|	142183	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr15-892	2.890775	-3.40767	1.862613	-1.82951	0.067323	0.981636	chr15	89282697	89283206	+	0	NA	intron (N	intron (N	38972	NM_018193	55215	Hs.513126	NM_018193	ENSG00000	FANCI	KIAA1794	FA comple	protein-coding
chr1-2005	3.65054	-2.64625	1.446845	-1.82898	0.067402	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	L2c|LINE|	27190	NM_001305	9928	Hs.3104	NM_014875	ENSG00000	KIF14	MCPH20|MK	kinesin f	protein-coding
chr2-2147	3.65054	-2.64625	1.446845	-1.82898	0.067402	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	Tigger4b|	47498	NM_001282	580	Hs.591642	NM_000465	ENSG00000	BARD1	-	BRCA1 ass	protein-coding
chr7-3641	3.65054	-2.64625	1.446845	-1.82898	0.067402	0.981636	chr7	36415203	36416107	+	0	NA	intron (N	intron (N	-25298	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr11-781	6.682669	1.831779	1.001681	1.828704	0.067444	0.981636	chr11	78199873	78200245	+	0	NA	intron (N	intron (N	11140	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitin	protein-coding
chr4-3949	7.341665	-1.67044	0.915496	-1.82463	0.068056	0.981636	chr4	39498048	39498603	+	0	NA	TTS (NM_0	TTS (NM_0	18070	NR_026854	401127	Hs.383197	NR_026854	ENSG00000	LOC401127	-	WD repeat	pseudo
chr1-2146	3.632975	-2.67118	1.464112	-1.82444	0.068086	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	29284	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr12-101	8.878762	-1.52502	0.836042	-1.8241	0.068137	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	promoter-	promoter-	-66	NM_153694	50511	Hs.506504	NM_153694	ENSG00000	SYCP3	COR1|RPRG	synaptone	protein-coding
chr19-564	6.537087	1.788053	0.980713	1.823217	0.068271	0.981636	chr19	56447696	56450472	+	0	NA	intron (N	L1MA5|LIN	28261	NM_001321	63934	Hs.676605	NM_022103	ENSG00000	ZNF667	MIPU1	zinc fing	protein-coding
chr10-893	7.331957	-1.68247	0.923131	-1.82257	0.068369	0.981636	chr10	89395932	89396182	+	0	NA	intron (N	L1MB5|LIN	3434	NM_001270	3434	Hs.20315	NM_001548	ENSG00000	IFIT1	C56|G10P1	interfero	protein-coding
chr8-2332	8.14257	-1.58959	0.872883	-1.82108	0.068595	0.981636	chr8	23329589	23330001	+	0	NA	intron (N	intron (N	-6413	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr19-529	6.511664	1.782889	0.97912	1.820909	0.068621	0.981636	chr19	52985439	52985814	+	0	NA	intron (N	HERVK3-in	7905	NR_003578	79986	Hs.714428	NM_024924	ENSG00000	ZNF702P	ZNF702	zinc fing	pseudo
chr15-402	4.384882	-2.27916	1.251864	-1.82061	0.068666	0.981636	chr15	40206471	40206892	+	0	NA	intron (N	intron (N	-10747	NM_001128	1.07E+08	Hs.732375	NM_001128	ENSG00000	BUB1B-PAK	PAK-5|PAK	BUB1B-PAK	protein-coding
chr12-314	6.470524	1.784284	0.980526	1.819721	0.068801	0.981636	chr12	31479630	31479892	+	0	NA	exon (NM_	exon (NM_	-110162	NR_046909	1.01E+08	Hs.627628	NR_046909	ENSG00000	DENND5B-A	-	DENND5B a	ncRNA
chr2-1487	7.339815	-1.68399	0.925463	-1.81962	0.068817	0.981636	chr2	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-91217	NM_004522	3800	Hs.435557	NM_004522	ENSG00000	KIF5C	CDCBM2|KI	kinesin f	protein-coding
chr1-1226	56.84304	0.69189	0.380313	1.819265	0.068871	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1126228	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-632	4.418164	-2.26475	1.244884	-1.81925	0.068874	0.981636	chr12	6324986	6325594	+	0	NA	intron (N	MIRc|SINE	12639	NM_001144	55200	Hs.631660	NM_018173	ENSG00000	PLEKHG6	MyoGEF	pleckstri	protein-coding
chr15-438	4.418164	-2.26475	1.244884	-1.81925	0.068874	0.981636	chr15	43851598	43852590	+	0	NA	intron (N	intron (N	25092	NM_024908	79968	Hs.250154	NM_024908	ENSG00000	WDR76	CDW14	WD repeat	protein-coding
chr4-3956	7.188965	1.696245	0.932658	1.81872	0.068954	0.981636	chr4	39564879	39565174	+	0	NA	intron (N	AluJr|SIN	37187	NR_047679	1.01E+08	Hs.640769	NR_047679	ENSG00000	UGDH-AS1	-	UGDH anti	ncRNA
chr2-7453	5.87899	-1.8847	1.036834	-1.81775	0.069103	0.981636	chr2	74538992	74539404	+	0	NA	intron (N	intron (N	-9492	NR_126510	550	Hs.411480	NM_181575	ENSG00000	AUP1	-	AUP1 lipi	protein-coding
chr8-1230	5.785365	1.901059	1.04606	1.817351	0.069163	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSc|SIN	8875	NM_001363	79139	Hs.241576	NM_024295	ENSG00000	DERL1	DER-1|DER	derlin 1	protein-coding
chr14-103	5.144648	-2.03862	1.12216	-1.8167	0.069264	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	TTS (NM_0	TTS (NM_0	7133	NR_002964	677811	Hs.658237	NR_002964	ENSG00000	SNORA28	ACA28	small nuc	snoRNA
chr17-591	5.144648	-2.03862	1.12216	-1.8167	0.069264	0.981636	chr17	59170447	59174007	+	0	NA	intron (N	intron (N	16481	NM_018304	55771	Hs.631750	NM_018304	ENSG00000	PRR11	-	proline r	protein-coding
chr4-7677	5.144648	-2.03862	1.12216	-1.8167	0.069264	0.981636	chr4	76773311	76773836	+	0	NA	intron (N	LTR33|LTR	124571	NM_001029	345079	Hs.257292	NM_001029	ENSG00000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr5-8662	5.144648	-2.03862	1.12216	-1.8167	0.069264	0.981636	chr5	86621928	86622214	+	0	NA	Intergeni	AluSc8|SI	1565	NR_145802	1.1E+08		NR_037402		SNORD138	MIR3607|m	small nuc	snoRNA
chr11-566	5.871132	-1.88295	1.036781	-1.81615	0.069348	0.981636	chr11	566015	567347	+	0	NA	non-codin	non-codin	1517	NR_029623	406992		NR_029623	ENSG00000	MIR210	MIRN210|m	microRNA	ncRNA
chr12-122	5.871132	-1.88295	1.036781	-1.81615	0.069348	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSp|SIN	16664	NM_014708	9735	Hs.300559	NM_014708	ENSG00000	KNTC1	ROD	kinetocho	protein-coding
chr17-353	5.871132	-1.88295	1.036781	-1.81615	0.069348	0.981636	chr17	35369106	35369474	+	0	NA	intron (N	L1MA1|LIN	4331	NM_001104	91607	Hs.745059	NM_152270	ENSG00000	SLFN11	SLFN8/9	schlafen	protein-coding
chr10-724	7.179257	1.685634	0.928611	1.81522	0.06949	0.981636	chr10	72420133	72420713	+	0	NA	intron (N	THE1B|LTR	-65504	NM_001365	54788	Hs.500013	NM_017626	ENSG00000	DNAJB12	DJ10	DnaJ heat	protein-coding
chr1-1706	6.48624	1.777709	0.980221	1.813579	0.069743	0.981636	chr1	1706574	1707491	+	0	NA	intron (N	intron (N	7093	NR_002946	8511	Hs.671760	NR_002946	ENSG00000	MMP23A	MIFR|MIFR	matrix me	pseudo
chr3-1960	6.589758	-1.76713	0.97535	-1.81179	0.070019	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSx|SIN	8912	NM_001128	7037	Hs.529618	NM_003234	ENSG00000	TFRC	CD71|IMD4	transferr	protein-coding
chr17-404	4.410306	-2.26241	1.248983	-1.8114	0.070079	0.981636	chr17	40412388	40413648	+	0	NA	intron (N	intron (N	4878	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr18-259	4.410306	-2.26241	1.248983	-1.8114	0.070079	0.981636	chr18	2594936	2596444	+	0	NA	intron (N	intron (N	24133	NM_006101	10403	Hs.414407	NM_006101	ENSG00000	NDC80	HEC|HEC1|	NDC80 kin	protein-coding
chr12-559	8.511697	1.523955	0.841364	1.811292	0.070096	0.981636	chr12	55953557	55953772	+	0	NA	TTS (NM_0	TTS (NM_0	12398	NM_001200	6490	Hs.95972	NM_006928	ENSG00000	PMEL	D12S53E|M	premelano	protein-coding
chr15-943	5.119224	-2.05239	1.133172	-1.81119	0.070112	0.981636	chr15	94300867	94301079	+	0	NA	intron (N	intron (N	2772	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr11-523	10.49416	1.369199	0.756378	1.810204	0.070264	0.981636	chr11	52352882	52353372	+	0	NA	Intergeni	ALR/Alpha	1943980	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1627	5.726659	1.893345	1.046136	1.809846	0.07032	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	75856	NM_006182	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidin	protein-coding
chr10-926	5.13679	-2.03664	1.125517	-1.80952	0.070371	0.981636	chr10	92640246	92641045	+	0	NA	intron (N	AluY|SINE	47515	NM_004523	3832	Hs.8878	NM_004523	ENSG00000	KIF11	EG5|HKSP|	kinesin f	protein-coding
chr1-1111	9.271277	1.479612	0.81799	1.80884	0.070476	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx3|SI	-8545	NM_001007	10390	Hs.363572	NM_006090	ENSG00000	CEPT1	-	choline/e	protein-coding

chr1-1967	9.271277	1.479612	0.81799	1.80884	0.070476	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	THE1C-int	-35692	NM_021023	10878	Hs.709217	NM_021023	ENSG00000	CFHR3	CFHL3|DOW	complemen	protein-coding
chr1-2418	4.377024	-2.277	1.260254	-1.80677	0.070797	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	LTR12C|LT	6053	NM_006027	9156	Hs.498248	NM_003686	ENSG00000	EXO1	HEX1|hExo	exonuclea	protein-coding
chr12-112	4.377024	-2.277	1.260254	-1.80677	0.070797	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSp|SIN	21797	NM_024953	80018	Hs.530941	NM_024953	ENSG00000	NAA25	C12orf30|	N(alpha)-	protein-coding
chr2-7389	5.896555	-1.87138	1.035836	-1.80664	0.070819	0.981636	chr2	73899178	73904633	+	0	NA	intron (N	intron (N	8897	NM_001199	72	Hs.516105	NM_001615	ENSG00000	ACTG2	ACT|ACTA3	actin gam	protein-coding
chr15-413	5.111366	-2.05049	1.136616	-1.80403	0.071226	0.981636	chr15	41345606	41346076	+	0	NA	intron (N	L2|LINE|L	12960	NM_016359	51203	Hs.615092	NM_016359	ENSG00000	NUSAP1	ANKT|BM03	nucleolar	protein-coding
chr15-694	5.111366	-2.05049	1.136616	-1.80403	0.071226	0.981636	chr15	69438121	69438854	+	0	NA	intron (N	intron (N	-14331	NM_001003	6176	Hs.356502	NM_001003	ENSG00000	RPLP1	LP1|P1|RF	ribosomal	protein-coding
chr1-7710	4.264354	2.268934	1.258642	1.802684	0.071438	0.981636	chr1	771011	771579	+	0	NA	intron (N	intron (N	7393	NR_033908	1E+08	Hs.527521	NR_033908		LOC100288	-	uncharact	ncRNA
chr10-680	6.607323	-1.75534	0.97418	-1.80187	0.071566	0.981636	chr10	68002688	68003162	+	0	NA	intron (N	L1MA3|LIN	7958	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr15-892	6.607323	-1.75534	0.97418	-1.80187	0.071566	0.981636	chr15	89248846	89250381	+	0	NA	intron (N	AluJb|SIN	5634	NM_018193	55215	Hs.513126	NM_018193	ENSG00000	FANCI	KIAA1794	FA comple	protein-coding
chr10-379	4.982795	2.042757	1.134187	1.801076	0.071691	0.981636	chr10	37970725	37971146	+	0	NA	intron (N	L2a|LINE|	5045	NR_138069	219749	Hs.499429	NM_145011	ENSG00000	ZNF25	KOX19|Zfp	zinc fing	protein-coding
chr19-377	4.982795	2.042757	1.134187	1.801076	0.071691	0.981636	chr19	37747646	37747901	+	0	NA	intron (N	AluY|SINE	-28012	NM_032689	84775	Hs.116622	NM_032689	ENSG00000	ZNF607	-	zinc fing	protein-coding
chr5-3782	4.982795	2.042757	1.134187	1.801076	0.071691	0.981636	chr5	37822987	37824795	+	0	NA	intron (N	intron (N	10931	NM_001278	2668	Hs.248114	NM_000514	ENSG00000	GDNF	ATF|ATF1|	glial cel	protein-coding
chr6-2613	4.982795	2.042757	1.134187	1.801076	0.071691	0.981636	chr6	26137347	26139842	+	0	NA	Intergeni	L1ME4b|LI	14449	NM_003512	8334	Hs.484950	NM_003512	ENSG00000	HIST1H2AC	H2A/l|H2A	histone c	protein-coding
chr9-3799	6.5819	-1.76561	0.980348	-1.801	0.071702	0.981636	chr9	37991654	37991853	+	0	NA	intron (N	intron (N	77474	NM_003028	6461	Hs.521482	NM_003028	ENSG00000	SHB	bA3J10.2	SH2 domai	protein-coding
chr11-349	6.648463	-1.74834	0.971952	-1.79879	0.072051	0.981636	chr11	34944680	34944933	+	0	NA	intron (N	L1MEi|LIN	2969	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr10-176	5.855416	-1.87949	1.045408	-1.79786	0.0722	0.981636	chr10	17612604	17612831	+	0	NA	intron (N	AluY|SINE	4657	NM_014241	9200	Hs.114062	NM_014241	ENSG00000	HACD1	CAP|PTPLA	3-hydroxy	protein-coding
chr1-2146	4.402448	-2.25994	1.25735	-1.79738	0.072275	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	3’ UTR (N	3’ UTR (N	61002	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr17-403	4.402448	-2.25994	1.25735	-1.79738	0.072275	0.981636	chr17	40397611	40401221	+	0	NA	intron (N	AluJb|SIN	18480	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr17-404	4.402448	-2.25994	1.25735	-1.79738	0.072275	0.981636	chr17	40402179	40403015	+	0	NA	intron (N	L2a|LINE|	15299	NM_001067	7153	Hs.156346	NM_001067	ENSG00000	TOP2A	TOP2|TP2A	DNA topoi	protein-coding
chr1-1962	5.701236	1.887575	1.050773	1.796368	0.072436	0.981636	chr1	19625455	19625748	+	0	NA	3’ UTR (N	3’ UTR (N	-17628	NM_182744	4681	Hs.654502	NM_005380	ENSG00000	NBL1	D1S1733E|	NBL1, DAN	protein-coding
chr1-2356	5.701236	1.887575	1.050773	1.796368	0.072436	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	Chap1_Mam	-45269	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G protein	protein-coding
chr8-8654	9.161725	1.466446	0.817351	1.794145	0.07279	0.981636	chr8	86544904	86545385	+	0	NA	intron (N	MER70C|LT	30709	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr4-9427	9.306937	-1.44283	0.804567	-1.7933	0.072925	0.981636	chr4	94275780	94276037	+	0	NA	intron (N	AluY|SINE	22599	NM_001254	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr14-705	4.23893	2.261471	1.261248	1.793043	0.072966	0.981636	chr14	70520346	70521207	+	0	NA	Intergeni	Tigger1|D	14228	NM_003814	8748	Hs.177984	NM_003814	ENSG00000	ADAM20	-	ADAM meta	protein-coding
chr19-524	4.23893	2.261471	1.261248	1.793043	0.072966	0.981636	chr19	52468433	52469429	+	0	NA	intron (N	MLT2B3|LT	15378	NM_001099	147660	Hs.157287	NM_152472	ENSG00000	ZNF578	-	zinc fing	protein-coding
chr10-403	23.62776	0.950094	0.529967	1.792743	0.073014	0.981636	chr10	40367454	40368623	+	0	NA	Intergeni	ALR/Alpha	1671442	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-105	5.016076	2.044747	1.141308	1.791582	0.0732	0.981636	chr19	1054546	1056038	+	0	NA	exon (NM_	exon (NM_	-10667	NM_001258	23526	Hs.465521	NM_012292	ENSG00000	ARHGAP45	HA-1|HLA-	Rho GTPas	protein-coding
chr4-1031	3.675964	-2.62305	1.464154	-1.79151	0.073211	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	-9898	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr5-8107	7.300526	-1.67692	0.936219	-1.79117	0.073266	0.981636	chr5	81070686	81070913	+	0	NA	intron (N	intron (N	-109892	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr7-5927	8.494131	1.517431	0.847798	1.78985	0.073478	0.981636	chr7	59274995	59275528	+	0	NA	Intergeni	ALR/Alpha	1825084	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr3-1239	5.880839	-1.8677	1.04446	-1.7882	0.073744	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	HAL1b|LIN	21676	NM_001366	64770	Hs.645028	NM_022757	ENSG00000	CCDC14	-	coiled-co	protein-coding
chr2-1217	6.564334	-1.77801	0.994443	-1.78795	0.073784	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	2859	NM_004622	7247	Hs.75066	NM_004622	ENSG00000	TSN	BCLF-1|C3	translin	protein-coding
chr17-682	4.957371	2.036221	1.139893	1.786326	0.074046	0.981636	chr17	68227184	68227732	+	0	NA	intron (N	MLT1D|LTR	-20116	NM_001346	51321	Hs.293560	NM_016627	ENSG00000	AMZ2	-	archaelys	protein-coding
chr2-3650	6.599465	-1.75368	0.981816	-1.78616	0.074073	0.981636	chr2	36507731	36507930	+	0	NA	intron (N	intron (N	90338	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr15-326	6.574042	-1.76411	0.988074	-1.78541	0.074195	0.981636	chr15	32625149	32626377	+	0	NA	intron (N	intron (N	10259	NM_001286	9824	Hs.591130	NM_014783	ENSG00000	ARHGAP11A	GAP (1-12	Rho GTPas	protein-coding
chr6-2613	6.519522	1.779379	0.997801	1.783301	0.074537	0.981636	chr6	26132458	26132815	+	0	NA	Intergeni	AluSx4|SI	8491	NM_003512	8334	Hs.484950	NM_003512	ENSG00000	HIST1H2AC	H2A/l|H2A	histone c	protein-coding
chr15-477	4.990653	2.038206	1.143282	1.782767	0.074624	0.981636	chr15	47764022	47765974	+	0	NA	exon (NM_	exon (NM_	46509	NM_153619	80031	Hs.511265	NM_020858	ENSG00000	SEMA6D	-	semaphori	protein-coding
chr6-1497	5.847558	-1.87776	1.054409	-1.78086	0.074935	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSg|SIN	33628	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr12-588	5.121074	-2.03254	1.143105	-1.77808	0.07539	0.981636	chr12	58868014	58868405	+	0	NA	Intergeni	Intergeni	51337	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr2-1359	5.121074	-2.03254	1.143105	-1.77808	0.07539	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MA2|LIN	-13673	NR_110200	1.02E+08	Hs.602178	NR_110199	ENSG00000	DARS-AS1	-	DARS anti	ncRNA
chr15-586	9.365642	-1.4304	0.804486	-1.77803	0.075399	0.981636	chr15	58654692	58654974	+	0	NA	intron (N	L1MA2|LIN	38774	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr7-4507	7.245821	1.688798	0.950904	1.775992	0.075734	0.981636	chr7	45072770	45072979	+	0	NA	intron (N	intron (N	16095	NM_001146	23148	Hs.96633	NM_001146	ENSG00000	NACAD	-	NAC alpha	protein-coding
chr8-4317	7.709127	1.566054	0.882196	1.775176	0.075869	0.981636	chr8	43177116	43177530	+	0	NA	intron (N	AluY|SINE	36859	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr5-4786	139.0327	0.506707	0.285495	1.774835	0.075925	0.981636	chr5	47864769	47864981	+	0	NA	Intergeni	ALR/Alpha	-2168495	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-569	7.742409	1.567868	0.884348	1.772908	0.076244	0.981636	chr17	56941715	56941955	+	0	NA	intron (N	intron (N	19215	NM_004645	8161	Hs.532795	NM_004645	ENSG00000	COIL	CLN80|p80	coilin	protein-coding
chr2-1732	8.062141	-1.58812	0.896322	-1.77182	0.076424	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSx|SIN	74591	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr8-4253	5.872982	-1.86573	1.053458	-1.77106	0.076551	0.981636	chr8	42532310	42532652	+	0	NA	intron (N	intron (N	-8667	NM_001135	114926	Hs.655320	NM_138436	ENSG00000	SMIM19	C8orf40	small int	protein-coding
chr6-8393	5.921979	-1.85912	1.049836	-1.77087	0.076583	0.981636	chr6	83934671	83935202	+	0	NA	intron (N	intron (N	75247	NM_016230	51167	Hs.5741	NM_016230	ENSG00000	CYB5R4	NCB5OR|cb	cytochrom	protein-coding
chr4-2673	8.613735	-1.47865	0.83627	-1.76815	0.077037	0.981636	chr4	26735694	26735981	+	0	NA	intron (N	L1PA2|LIN	124407	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr4-1139	6.624889	-1.7431	0.987095	-1.76589	0.077415	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	11131	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr8-2220	4.931947	2.029535	1.149545	1.765511	0.077478	0.981636	chr8	22200209	22200676	+	0	NA	intron (N	intron (N	31657	NM_014759	9796	Hs.334688	NM_014759	ENSG00000	PHYHIP	DYRK1AP3|	phytanoyl	protein-coding
chr12-119	2.692311	-3.26158	1.850357	-1.76268	0.077955	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz6|SI	-43326	NR_031589	1E+08		NR_031589	ENSG00000	MIR1178	MIRN1178|	microRNA	ncRNA
chr9-3574	7.376797	-1.64877	0.935706	-1.76206	0.078059	0.981636	chr9	35746300	35746511	+	0	NA	intron (N	AluSq2|SI	2823	NM_001330	57704	Hs.443134	NM_020944	ENSG00000	GBA2	AD035|NLC	glucosylc	protein-coding
chr10-404	17.82779	1.037232	0.589904	1.758306	0.078695	0.981636	chr10	40400425	40400712	+	0	NA	Intergeni	ALR/Alpha	1703972	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr13-112	7.861827	-1.53683	0.874846	-1.75669	0.078971	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-62160	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG00000	ATP11A-AS	-	ATP11A an	ncRNA
chr13-113	7.869685	-1.5382	0.876005	-1.75593	0.079101	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4535	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr11-690	6.990686	1.630236	0.9292	1.754452	0.079353	0.981636	chr11	69070350	69070629	+	0	NA	exon (NM_	exon (NM_	-12687	NR_036122	1E+08		NR_036122	ENSG00000	MIR3164	-	microRNA	ncRNA
chr1-4475	2.659029	-3.27455	1.866639	-1.75425	0.079388	0.981636	chr1	44755096	44756073	+	0	NA	intron (N	intron (N	-6451	NR_145793	1.1E+08		NR_145793		SNORD160	-	small nuc	snoRNA
chr5-7051	17.5503	1.080714	0.616254	1.753682	0.079485	0.981636	chr5	70516861	70517066	+	0	NA	intron (N	intron (N	-16060	NR_033968	1E+08	Hs.665231	NR_033968		GUSBP9	-	GUSB pseu	pseudo
chr18-186	12.99679	1.214494	0.693427	1.751436	0.079871	0.981636	chr18	18687623	18687846	+	0	NA	Intergeni	ALR/Alpha	2424079	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr11-856	8.590161	-1.47471	0.844119	-1.74704	0.08063	0.981636	chr11	85693512	85693773	+	0	NA	TTS (NM_0	TTS (NM_0	-7447	NM_152723	220388	Hs.376241	NM_152723	ENSG00000	CCDC89	-	coiled-co	protein-coding
chr4-2676	6.617031	-1.74114	0.997791	-1.74499	0.080986	0.981636	chr4	26765153	26765352	+	0	NA	Intergeni	L2|LINE|L	94992	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr10-494	7.750267	1.565079	0.896979	1.744832	0.081014	0.981636	chr10	49473944	49474143	+	0	NA	exon (NM_	exon (NM_	50238	NM_170753	267004	Hs.49063	NM_170753	ENSG00000	PGBD3	-	piggyBac	protein-coding
chr15-659	5.691528	1.87356	1.073878	1.744668	0.081043	0.981636	chr15	65910102	65910411	+	0	NA	intron (N	intron (N	40765	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr16-464	5.691528	1.87356	1.073878	1.744668	0.081043	0.981636	chr16	4648082	4648297	+	0	NA	intron (N	intron (N	-23129	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr5-3732	7.10992	-1.60851	0.922656	-1.74335	0.081273	0.981636	chr5	37323132	37323439	+	0	NA	intron (N	L1MB7|LIN	47821	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr2-2010	7.117777	-1.61002	0.923933	-1.74257	0.081408	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1PA4|LIN	33067	NM_001321	285172	Hs.24701	NM_173822	ENSG00000	FAM126B	HYCC2	family wi	protein-coding
chr1-1620	6.264387	1.714829	0.98581	1.739513	0.081945	0.981636	chr1	1.62E+08	1.62E+08	+	0	NA	intron (N	MLT1G1|LT	5382	NM_014697	9722	Hs.731942	NM_014697	ENSG00000	NOS1AP	6330408P1	nitric ox	protein-coding
chr1-2418	3.418795	-2.53454	1.457379	-1.73911	0.082015	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSz6|SI	3932	NM_006027	9156	Hs.498248	NM_003686	ENSG00000	EXO1	HEX1|hExo	exonuclea	protein-coding
chr3-4483	3.418795	-2.53454	1.457379	-1.73911	0.082015	0.981636	chr3	44838544	44841596	+	0	NA	intron (N	L1MA7|LIN	-21818	NR_030290	693149		NR_030290	ENSG00000	MIR564	MIRN564|h	microRNA	ncRNA
chr4-1031	3.418795	-2.53454	1.457379	-1.73911	0.082015	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1M5|LINE	13526	NM_001286	1062	Hs.75573	NM_001813	ENSG00000	CENPE	CENP-E|KI	centromer	protein-coding
chr5-9355	7.125635	-1.61156	0.927565	-1.73741	0.082316	0.981636	chr5	93554265	93554583	+	0	NA	intron (N	intron (N	16919	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr16-880	6.658171	-1.73356	0.998003	-1.73703	0.082382	0.981636	chr16	88080022	88080408	+	0	NA	Intergeni	L1MEd|LIN	20770	NR_120310	400553	Hs.592071	NR_120310	ENSG00000	LOC400553	-	uncharact	ncRNA
chr19-368	6.238963	1.70945	0.985594	1.734436	0.082841	0.981636	chr19	36884075	36886237	+	0	NA	intron (N	L1ME3|LIN	30883	NM_001171	374899	Hs.720312	NM_001037	ENSG00000	ZNF829	-	zinc fing	protein-coding
chr1-1459	24.94467	0.879365	0.507312	1.733382	0.083028	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	1208	NM_001313	10628	Hs.533977	NM_006472	ENSG00000	TXNIP	ARRDC6|ES	thioredox	protein-coding
chr3-9395	7.795264	-1.55087	0.895149	-1.73252	0.08318	0.981636	chr3	9395005	9395222	+	0	NA	intron (N	MER30|DNA	1510	NR_132781	440944	Hs.598958	NM_001013	ENSG00000	THUMPD3-A	SETD5-AS1	THUMPD3 a	ncRNA
chr10-400	27.50397	0.909505	0.525386	1.731116	0.083431	0.981636	chr10	40080123	40080384	+	0	NA	Intergeni	ALR/Alpha	1383657	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-351	7.127485	-1.59793	0.923495	-1.7303	0.083576	0.981636	chr11	35166987	35167313	+	0	NA	intron (N	intron (N	4200	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr15-808	7.127485	-1.59793	0.923495	-1.7303	0.083576	0.981636	chr15	80850805	80851668	+	0	NA	intron (N	intron (N	-9163	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr16-891	4.221364	2.247426	1.2999	1.728922	0.083823	0.981636	chr16	89112984	89113378	+	0	NA	intron (N	intron (N	19329	NR_104293	197322	Hs.461727	NM_174917	ENSG00000	ACSF3	-	acyl-CoA	protein-coding
chr1-2470	10.18818	1.318793	0.763029	1.728367	0.083923	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	-30069	NM_001204	57116	Hs.669893	NM_020394	ENSG00000	ZNF695	SBZF3	zinc fing	protein-coding
chr1-1734	8.26442	1.469648	0.850415	1.728153	0.083961	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	MLT2A2|LT	14520	NR_125960	1.02E+08	Hs.674889	NR_125960	ENSG00000	LOC101928	-	uncharact	ncRNA
chr1-4475	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr1	44757500	44758443	+	0	NA	exon (NM_	exon (NM_	-4064	NR_145793	1.1E+08		NR_145793		SNORD160	-	small nuc	snoRNA
chr1-4476	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr1	44764439	44768042	+	0	NA	intron (N	AluSx3|SI	4205	NR_145793	1.1E+08		NR_145793		SNORD160	-	small nuc	snoRNA
chr10-926	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr10	92611399	92614089	+	0	NA	intron (N	intron (N	19614	NM_004523	3832	Hs.8878	NM_004523	ENSG00000	KIF11	EG5|HKSP|	kinesin f	protein-coding
chr15-413	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr15	41359751	41362122	+	0	NA	intron (N	AluSx1|SI	28055	NM_016359	51203	Hs.615092	NM_016359	ENSG00000	NUSAP1	ANKT|BM03	nucleolar	protein-coding
chr18-258	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr18	2581499	2582302	+	0	NA	intron (N	L1M5|LINE	10343	NM_006101	10403	Hs.414407	NM_006101	ENSG00000	NDC80	HEC|HEC1|	NDC80 kin	protein-coding
chr3-1004	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr3	10042355	10042878	+	0	NA	exon (NM_	exon (NM_	16179	NM_033084	2177	Hs.208388	NM_033084	ENSG00000	FANCD2	FA-D2|FA4	FA comple	protein-coding
chr7-3642	3.410937	-2.53167	1.466074	-1.72684	0.084197	0.981636	chr7	36429049	36432246	+	0	NA	intron (N	intron (N	-40290	NM_001100	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr19-101	8.238997	1.465392	0.848937	1.726149	0.084321	0.981636	chr19	10155344	10155672	+	0	NA	intron (N	AluSz|SIN	-35609	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr8-4790	8.238997	1.465392	0.848937	1.726149	0.084321	0.981636	chr8	47902039	47902248	+	0	NA	intron (N	intron (N	57993	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr1-2357	8.289844	1.473949	0.853967	1.726003	0.084347	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	L1PA5|LIN	66086	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr1-1089	6.21354	1.704049	0.988291	1.724239	0.084665	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	-10472	NM_015127	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr1-1490	6.21354	1.704049	0.988291	1.724239	0.084665	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	60196	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr5-4945	15.63715	1.135542	0.659533	1.721737	0.085117	0.981636	chr5	49459379	49459706	+	0	NA	Intergeni	ALR/Alpha	981746	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-438	6.246821	1.706098	0.991254	1.721152	0.085223	0.981636	chr19	43878258	43879903	+	0	NA	intron (N	L1MEg|LIN	1056	NM_001033	342908	Hs.76561	NM_001033	ENSG00000	ZNF404	-	zinc fing	protein-coding
chr3-1957	12.68295	1.17405	0.682926	1.719147	0.085588	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	non-codin	non-codin	-9292	NM_152673	200958	Hs.308992	NM_020790	ENSG00000	MUC20	MUC-20	mucin 20,	protein-coding
chr1-1970	4.145279	-2.1808	1.268617	-1.71904	0.085607	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-19140	NM_001994	2165	Hs.435782	NM_001994	ENSG00000	F13B	FXIIIB	coagulati	protein-coding
chr10-897	4.145279	-2.1808	1.268617	-1.71904	0.085607	0.981636	chr10	89766266	89766960	+	0	NA	intron (N	intron (N	-62880	NR_038382	643529	Hs.618956	NR_038382	ENSG00000	LINC00865	-	long inte	ncRNA
chr1-2033	12.71624	1.175459	0.684136	1.718166	0.085766	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2704	NM_006763	7832	Hs.519162	NM_006763	ENSG00000	BTG2	APRO1|PC3	BTG anti-	protein-coding
chr1-2173	5.512664	1.819655	1.059108	1.718101	0.085778	0.981636	chr1	21731650	21732255	+	0	NA	intron (N	intron (N	51197	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitin	protein-coding
chr6-2612	5.512664	1.819655	1.059108	1.718101	0.085778	0.981636	chr6	26125868	26126067	+	0	NA	Intergeni	AluSq|SIN	1822	NM_003512	8334	Hs.484950	NM_003512	ENSG00000	HIST1H2AC	H2A/l|H2A	histone c	protein-coding
chr8-1449	6.205682	1.707376	0.994308	1.717149	0.085952	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	Intergeni	MLT10|LTR	-23494	NM_001363	58500	Hs.532277	NM_021061	ENSG00000	ZNF250	ZFP647|ZN	zinc fing	protein-coding
chr19-376	8.221431	1.458738	0.849574	1.717023	0.085975	0.981636	chr19	37611497	37613570	+	0	NA	exon (NM_	exon (NM_	17657	NM_001172	163255	Hs.728927	NM_152606	ENSG00000	ZNF540	Nbla10512	zinc fing	protein-coding
chr6-1308	7.863677	-1.52423	0.887777	-1.71691	0.085996	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	Ricksha_0	71192	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr4-9840	4.905044	-1.9521	1.137117	-1.71671	0.086032	0.981636	chr4	98409288	98409652	+	0	NA	intron (N	intron (N	148086	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr7-6657	4.905044	-1.9521	1.137117	-1.71671	0.086032	0.981636	chr7	66579196	66579395	+	0	NA	intron (N	AluSx1|SI	13112	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr5-1679	9.075191	-1.39221	0.81102	-1.71662	0.086049	0.981636	chr5	16792947	16793151	+	0	NA	intron (N	intron (N	143239	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr11-480	6.36772	-1.68559	0.982716	-1.71524	0.086302	0.981636	chr11	48069419	48069618	+	0	NA	intron (N	AluYm1|SI	-27264	NR_036119	1E+08		NR_036119	ENSG00000	MIR3161	-	microRNA	ncRNA
chr8-1755	4.17856	-2.16602	1.263271	-1.71461	0.086416	0.981636	chr8	17554582	17555278	+	0	NA	intron (N	intron (N	16153	NM_003046	6542	Hs.448520	NM_003046	ENSG00000	SLC7A2	ATRC2|CAT	solute ca	protein-coding
chr15-694	5.647244	-1.80968	1.055743	-1.71413	0.086505	0.981636	chr15	69426317	69426903	+	0	NA	non-codin	non-codin	-11581	NR_132971	145694	Hs.147229	NR_132969	ENSG00000	LOC145694	-	uncharact	ncRNA
chr11-648	4.897186	-1.95002	1.138986	-1.71207	0.086884	0.981636	chr11	64876211	64876692	+	0	NA	intron (N	intron (N	2158	NR_162101	1.13E+08		NR_162101		MIR10392	-	microRNA	ncRNA
chr13-757	4.897186	-1.95002	1.138986	-1.71207	0.086884	0.981636	chr13	75713705	75713904	+	0	NA	intron (N	intron (N	-46516	NM_001366	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr4-1200	4.897186	-1.95002	1.138986	-1.71207	0.086884	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	MER44B|DN	6279	NM_002358	4085	Hs.591697	NM_002358	ENSG00000	MAD2L1	HSMAD2|MA	mitotic a	protein-coding
chr11-981	5.656952	-1.7941	1.04838	-1.7113	0.087025	0.981636	chr11	9810533	9811135	+	0	NA	non-codin	non-codin	-28308	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr5-1729	6.221398	1.700642	0.993989	1.710927	0.087095	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	-19212	NM_001317	51121	Hs.546390	NM_016093	ENSG00000	RPL26L1	RPL26P1	ribosomal	protein-coding
chr7-1056	6.221398	1.700642	0.993989	1.710927	0.087095	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	36608	NM_001318	222255	Hs.745056	NM_020725	ENSG00000	ATXN7L1	ATXN7L4	ataxin 7	protein-coding
chr8-1235	6.221398	1.700642	0.993989	1.710927	0.087095	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	promoter-	promoter-	-194	NM_148177	114907	Hs.403933	NM_058229	ENSG00000	FBXO32	Fbx32|MAF	F-box pro	protein-coding
chr13-113	8.955588	1.415167	0.827619	1.709926	0.08728	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	24875	NM_005561	3916	Hs.494419	NM_005561	ENSG00000	LAMP1	CD107a|LA	lysosomal	protein-coding
chr15-991	6.947697	1.6172	0.946008	1.709499	0.087358	0.981636	chr15	99199564	99199812	+	0	NA	intron (N	intron (N	49893	NM_001288	64927	Hs.513195	NM_022905	ENSG00000	TTC23	HCC-8	tetratric	protein-coding
chr4-5208	6.947697	1.6172	0.946008	1.709499	0.087358	0.981636	chr4	52082621	52082862	+	0	NA	intron (N	intron (N	31437	NM_001297	132671	Hs.527090	NM_145263	ENSG00000	SPATA18	Mieap|SPE	spermatog	protein-coding
chr7-1526	4.170702	-2.16358	1.26563	-1.70949	0.08736	0.981636	chr7	1.53E+08	1.53E+08	+	0	NA	3’ UTR (N	3’ UTR (N	27796	NM_005431	7516	Hs.647093	NM_005431	ENSG00000	XRCC2	FANCU	X-ray rep	protein-coding
chr10-379	5.495099	1.80979	1.058738	1.709385	0.08738	0.981636	chr10	37969077	37969573	+	0	NA	intron (N	L1MB5|LIN	6655	NR_138069	219749	Hs.499429	NM_145011	ENSG00000	ZNF25	KOX19|Zfp	zinc fing	protein-coding

chr17-417	5.495099	1.80979	1.058738	1.709385	0.08738	0.981636	chr17	41769422	41771610	+	0	NA	intron (N	intron (N	15579	NM_001352	3728	Hs.514174	NM_002230	ENSG00000	JUP	CTNNG|DP3	junction	protein-coding
chr5-4878	22.43233	0.905459	0.529751	1.709217	0.087411	0.981636	chr5	48785857	48786704	+	0	NA	Intergeni	ALR/Alpha	1655008	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-5325	6.188116	1.698572	0.994013	1.708802	0.087488	0.981636	chr3	53251108	53251491	+	0	NA	intron (N	intron (N	4723	NM_001064	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketo	protein-coding
chr17-417	4.973087	2.025941	1.185604	1.708783	0.087491	0.981636	chr17	41755718	41756125	+	0	NA	intron (N	intron (N	-21275	NM_001079	9001	Hs.158300	NM_003949	ENSG00000	HAP1	HAP2|HIP5	huntingti	protein-coding
chr2-1106	4.137421	-2.17849	1.275642	-1.70776	0.087681	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	4662	NR_132975	1.07E+08		NR_132975		SNORD132	-	small nuc	snoRNA
chr11-124	5.615812	-1.80227	1.055605	-1.70734	0.087759	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz6|SI	4551	NM_001312	79684	Hs.146079	NM_024631	ENSG00000	MSANTD2	C11orf61	Myb/SANT	protein-coding
chr2-3645	5.615812	-1.80227	1.055605	-1.70734	0.087759	0.981636	chr2	36454282	36454546	+	0	NA	intron (N	intron (N	98636	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-2018	5.615812	-1.80227	1.055605	-1.70734	0.087759	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	20476	NM_001261	65061	Hs.348711	NM_139158	ENSG00000	CDK15	ALS2CR7|F	cyclin de	protein-coding
chr5-1763	5.615812	-1.80227	1.055605	-1.70734	0.087759	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-1582	NM_001256	51491	Hs.696283	NM_016391	ENSG00000	NOP16	HSPC111|H	NOP16 nuc	protein-coding
chr8-6161	5.615812	-1.80227	1.055605	-1.70734	0.087759	0.981636	chr8	61612440	61613003	+	0	NA	intron (N	L1M4a1|LI	77090	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr5-1349	5.649094	-1.79223	1.049905	-1.70704	0.087815	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MB4|LIN	23654	NM_178019	347732	Hs.631804	NM_178019	ENSG00000	CATSPER3	CACRC	cation ch	protein-coding
chr10-102	8.196007	1.454459	0.852246	1.706618	0.087893	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	2887	NM_001322	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr1-1231	36.12926	0.756761	0.443899	1.704806	0.088231	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1588203	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-3061	9.86223	-1.33891	0.785531	-1.70446	0.088295	0.981636	chr7	30614287	30615066	+	0	NA	intron (N	AluYh3|SI	19798	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr19-199	6.401001	-1.67684	0.983996	-1.70411	0.088361	0.981636	chr19	19907795	19908024	+	0	NA	intron (N	intron (N	6963	NM_031218	81931	Hs.301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr7-5932	10.83821	1.285295	0.754306	1.703943	0.088392	0.981636	chr7	59321009	59321546	+	0	NA	Intergeni	ALR/Alpha	1871100	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-1165	9.051618	-1.38859	0.815781	-1.70216	0.088725	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	510	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr7-4488	4.889328	-1.94791	1.144485	-1.702	0.088756	0.981636	chr7	44882763	44883448	+	0	NA	3’ UTR (N	3’ UTR (N	-1305	NR_039801	1.01E+08		NR_039801	ENSG00000	MIR4657	mir-4657	microRNA	ncRNA
chr16-888	5.598246	-1.81641	1.067311	-1.70186	0.088782	0.981636	chr16	8887427	8887626	+	0	NA	Intergeni	(GT)n|Sim	-18514	NM_001278	23589	Hs.632184	NM_014316	ENSG00000	CARHSP1	CRHSP-24|	calcium r	protein-coding
chrX-7764	5.598246	-1.81641	1.067311	-1.70186	0.088782	0.981636	chrX	77645607	77646029	+	0	NA	intron (N	L1M4c|LIN	140398	NM_138270	546	Hs.533526	NM_000489	ENSG00000	ATRX	JMS|MRX52	ATRX chro	protein-coding
chr17-646	6.359862	-1.68387	0.989536	-1.70168	0.088815	0.981636	chr17	64652637	64652836	+	0	NA	intron (N	AluSx1|SI	9571	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr8-6644	5.461817	1.807573	1.062437	1.701346	0.088878	0.981636	chr8	66448695	66449303	+	0	NA	intron (N	intron (N	16495	NM_144650	137872	Hs.720023	NM_144650	ENSG00000	ADHFE1	ADH8|HMFT	alcohol d	protein-coding
chr20-623	9.477599	1.341688	0.78871	1.701116	0.088921	0.981636	chr20	62339742	62340049	+	0	NA	intron (N	intron (N	-7338	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr19-486	6.898699	1.621269	0.953865	1.699683	0.089191	0.981636	chr19	48626257	48626501	+	0	NA	intron (N	intron (N	1350	NM_001204	56848	Hs.528006	NM_020126	ENSG00000	SPHK2	SK 2|SK-2	sphingosi	protein-coding
chr8-9494	4.743376	1.952667	1.149667	1.698464	0.08942	0.981636	chr8	94945630	94946551	+	0	NA	intron (N	L1ME4c|LI	3288	NM_001135	94241	Hs.492261	NM_033285	ENSG00000	TP53INP1	SIP|TP53D	tumor pro	protein-coding
chr19-935	5.469675	1.803713	1.062125	1.698211	0.089468	0.981636	chr19	9357696	9357941	+	0	NA	intron (N	intron (N	-5195	NM_003451	7730	Hs.728944	NM_003451	ENSG00000	ZNF177	PIGX	zinc fing	protein-coding
chr12-110	7.520556	1.513211	0.891139	1.698063	0.089496	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	49770	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr10-897	5.641236	-1.7903	1.054622	-1.69757	0.089589	0.981636	chr10	89760956	89763466	+	0	NA	intron (N	MLT1H1|LT	60621	NM_001284	9585	Hs.240	NM_016195	ENSG00000	KIF20B	CT90|KRMP	kinesin f	protein-coding
chr1-1170	4.863905	-1.96223	1.156323	-1.69696	0.089705	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-6977	NR_030640	1E+08		NR_030640	ENSG00000	MIR942	MIRN942|h	microRNA	ncRNA
chr1-2052	5.504807	1.82376	1.075099	1.696364	0.089817	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	12700	NM_001331	9911	Hs.6360	NM_014858	ENSG00000	TMCC2	HUCEP11	transmemb	protein-coding
chr12-957	6.393143	-1.67506	0.988017	-1.69537	0.090005	0.981636	chr12	95775500	95775857	+	0	NA	intron (N	L1PA5|LIN	14517	NM_001329	59277	Hs.201034	NM_021229	ENSG00000	NTN4	PRO3091	netrin 4	protein-coding
chr19-248	38.77165	0.72194	0.426006	1.694669	0.090138	0.981636	chr19	24893005	24893298	+	0	NA	Intergeni	ALR/Alpha	-729704	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-1041	7.053064	-1.61212	0.951632	-1.69406	0.090254	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	AluJo|SIN	12427	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr14-100	7.512698	1.515929	0.895159	1.693475	0.090365	0.981636	chr14	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	13606	NM_001352	123096	Hs.578109	NM_152333	ENSG00000	SLC25A29	C14orf69|	solute ca	protein-coding
chr19-269	10.73377	1.254689	0.741154	1.692887	0.090477	0.981636	chr19	26938609	26939623	+	0	NA	Intergeni	ALR/Alpha	-854315	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr3-1235	4.930468	-1.93785	1.145201	-1.69215	0.090618	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	FLAM_A|SI	28517	NM_001329	201562	Hs.705480	NM_198402	ENSG00000	HACD2	PTPLB	3-hydroxy	protein-coding
chr5-1573	4.024935	2.165878	1.280023	1.692061	0.090634	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	21577	NM_001001	408263	Hs.437066	NM_001001	ENSG00000	FNDC9	C5orf40	fibronect	protein-coding
chr11-626	8.170584	1.450115	0.857082	1.691921	0.090661	0.981636	chr11	62677167	62677666	+	0	NA	intron (N	intron (N	1657	NM_001286	51035	Hs.351296	NM_015853	ENSG00000	UBXN1	2B28|SAKS	UBX domai	protein-coding
chr19-363	8.170584	1.450115	0.857082	1.691921	0.090661	0.981636	chr19	36359663	36360256	+	0	NA	intron (N	L1M5|LINE	19242	NM_020917	57677	Hs.35524	NM_020917	ENSG00000	ZFP14	ZNF531	ZFP14 zir	protein-coding
chr1-1510	5.479383	1.817628	1.075059	1.690724	0.090889	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	13217	NR_130135	58497	Hs.78524	NM_021222	ENSG00000	PRUNE1	DRES-17|D	prune exc	protein-coding
chr19-366	6.922273	1.612024	0.953699	1.690286	0.090973	0.981636	chr19	36615931	36616363	+	0	NA	intron (N	AluJr|SIN	10834	NM_032825	84911	Hs.631591	NM_032825	ENSG00000	ZNF382	KS1	zinc fing	protein-coding
chr2-4232	9.04376	-1.3874	0.820954	-1.68998	0.091031	0.981636	chr2	42320134	42320392	+	0	NA	intron (N	FLAM_C|SI	39775	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CC	cytochrom	protein-coding
chr19-198	7.006402	1.623867	0.961043	1.689693	0.091087	0.981636	chr19	1987070	1987293	+	0	NA	exon (NM_	exon (NM_	28533	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr1-2302	6.162692	1.692962	1.002995	1.687906	0.091429	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	179044	NM_004481	2590	Hs.743964	NM_004481	ENSG00000	GALNT2	GalNAc-T2	polypepti	protein-coding
chr19-326	7.528414	1.510556	0.895171	1.68745	0.091517	0.981636	chr19	32639005	32639464	+	0	NA	intron (N	intron (N	-30765	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr19-368	7.528414	1.510556	0.895171	1.68745	0.091517	0.981636	chr19	36862773	36864054	+	0	NA	intron (N	ERVL-E-ir	11762	NM_001242	25850	Hs.362324	NM_003419	ENSG00000	ZNF345	HZF10	zinc fing	protein-coding
chr10-102	4.92261	-1.93569	1.147114	-1.68744	0.091518	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	Intergeni	AluSx1|SI	17096	NM_003893	8861	Hs.454418	NM_003893	ENSG00000	LDB1	CLIM-2|CL	LIM domai	protein-coding
chr19-785	4.717952	1.945781	1.153801	1.686409	0.091717	0.981636	chr19	7858623	7859453	+	0	NA	intron (N	AluSx|SIN	15352	NM_001190	80164	Hs.288540	NM_001080	ENSG00000	PRR36	-	proline r	protein-coding
chr11-275	3.999511	2.157916	1.280524	1.685181	0.091954	0.981636	chr11	27541702	27542402	+	0	NA	intron (N	L1MA9|LIN	-27005	NR_107054	1.02E+08		NR_107054	ENSG00000	MIR8087	hsa-mir-8	microRNA	ncRNA
chr17-501	6.254679	1.702463	1.010535	1.684714	0.092044	0.981636	chr17	50115680	50115942	+	0	NA	intron (N	intron (N	14349	NM_174920	201191	Hs.567769	NM_174920	ENSG00000	SAMD14	-	sterile a	protein-coding
chr1-2309	7.46185	1.506628	0.894394	1.684524	0.092081	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	L1MEg|LIN	45221	NR_110681	1.02E+08	Hs.638929	NR_110681	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-793	8.366273	-1.42133	0.844071	-1.6839	0.092201	0.981636	chr13	79363668	79364084	+	0	NA	intron (N	intron (N	42345	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-998	8.366273	-1.42133	0.844071	-1.6839	0.092201	0.981636	chr14	99866864	99867213	+	0	NA	intron (N	L1PA17|LI	73625	NM_004434	2009	Hs.12451	NM_004434	ENSG00000	EML1	BH|ELP79|	EMAP like	protein-coding
chr21-293	9.392916	-1.41137	0.838325	-1.68356	0.092267	0.981636	chr21	29352803	29353014	+	0	NA	intron (N	AluSx1|SI	-19593	NR_046564	1.01E+08	Hs.326404	NR_046564		BACH1-IT2	-	BACH1 int	ncRNA
chr4-4457	6.385286	-1.67318	0.994917	-1.68173	0.092622	0.981636	chr4	4457069	4457268	+	0	NA	intron (N	intron (N	4804	NM_001346	53407	Hs.584913	NM_016930	ENSG00000	STX18	Ufe1	syntaxin	protein-coding
chr20-333	6.980978	1.61877	0.963471	1.680145	0.092929	0.981636	chr20	33358370	33358812	+	0	NA	TTS (NM_0	TTS (NM_0	42928	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr22-207	7.444285	1.499302	0.89354	1.677936	0.09336	0.981636	chr22	20709164	20709678	+	0	NA	intron (N	intron (N	8307	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AP	transmemb	pseudo
chr17-215	4.914752	-1.93338	1.152901	-1.67697	0.093547	0.981636	chr17	21542511	21542710	+	0	NA	intron (N	intron (N	9068	NR_160801	339263	Hs.514016	NM_001113	ENSG00000	LINC02693	C17orf51	long inte	ncRNA
chr9-1282	3.974088	2.149857	1.286165	1.671525	0.094618	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-18807	NM_012127	25792	Hs.212395	NM_012127	ENSG00000	CIZ1	LSFR1|NP9	CDKN1A ir	protein-coding
chr1-1239	273.4782	0.46704	0.279459	1.671229	0.094677	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2407205	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-644	7.622223	-1.47611	0.883864	-1.67007	0.094906	0.981636	chr12	64438064	64438263	+	0	NA	intron (N	intron (N	-13957	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr12-105	10.35697	-1.26768	0.759096	-1.66998	0.094923	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	47404	NM_001034	160428	Hs.42572	NM_001034	ENSG00000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr18-232	5.477533	1.799546	1.077679	1.669835	0.094952	0.981636	chr18	23237537	23237871	+	0	NA	intron (N	intron (N	81879	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr15-409	7.614366	-1.47469	0.883733	-1.66871	0.095176	0.981636	chr15	40978234	40978565	+	0	NA	TTS (NR_1	TTS (NR_1	24928	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr16-441	4.72581	1.941034	1.163566	1.668176	0.095281	0.981636	chr16	4412330	4412655	+	0	NA	intron (N	intron (N	3405	NM_001351	79585	Hs.437957	NM_024535	ENSG00000	CORO7	0610011B1	coronin 7	protein-coding
chr16-863	4.72581	1.941034	1.163566	1.668176	0.095281	0.981636	chr16	8638739	8639432	+	0	NA	intron (N	intron (N	17387	NR_134608	79091	Hs.306380	NM_024109	ENSG00000	METTL22	C16orf68	methyltra	protein-coding
chr20-352	4.692529	1.93876	1.162485	1.667772	0.095361	0.981636	chr20	35267541	35267920	+	0	NA	intron (N	MIRb|SINE	10392	NR_149147	1.01E+08	Hs.356273	NM_001355	ENSG00000	MMP24OS	MMP24-AS1	MMP24 opp	protein-coding
chr10-952	10.30797	-1.27032	0.762534	-1.66591	0.095731	0.981636	chr10	95244214	95244522	+	0	NA	intron (N	MIRb|SINE	46635	NM_020992	9124	Hs.368525	NM_020992	ENSG00000	PDLIM1	CLIM1|CLP	PDZ and L	protein-coding
chr9-1290	6.743409	1.565216	0.939859	1.665373	0.095838	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSc8|SI	6907	NM_032809	84895	Hs.632693	NM_032809	ENSG00000	MIGA2	C9orf54|F	mitoguard	protein-coding
chr1-1456	7.581084	-1.48157	0.889806	-1.66505	0.095903	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA10|LI	42442	NM_001097	653519	Hs.504320	NM_001097	ENSG00000	GPR89A	GPHR|GPR8	G protein	protein-coding
chr17-302	7.581084	-1.48157	0.889806	-1.66505	0.095903	0.981636	chr17	30275511	30275718	+	0	NA	intron (N	AluSg|SIN	16330	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr10-401	17.4585	0.985583	0.592238	1.664167	0.096079	0.981636	chr10	40157670	40158953	+	0	NA	Intergeni	ALR/Alpha	1461715	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-251	20.39901	0.91479	0.549736	1.664052	0.096102	0.981636	chr19	25182823	25183775	+	0	NA	Intergeni	ALR/Alpha	-1019852	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-504	7.606508	-1.47325	0.885799	-1.66319	0.096274	0.981636	chr14	50454087	50455396	+	0	NA	intron (N	L1M5|LINE	-57443	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chrX-2199	4.873612	-1.94347	1.168841	-1.66273	0.096366	0.981636	chrX	21990348	21990547	+	0	NA	intron (N	intron (N	-41878	NM_001282	5251	Hs.495834	NM_000444	ENSG00000	PHEX	HPDR|HPDR	phosphate	protein-coding
chr11-122	5.66666	-1.77757	1.069333	-1.66232	0.09645	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz6|SI	-37821	NM_019604	56253	Hs.159523	NM_019604	ENSG00000	CRTAM	CD355	cytotoxic	protein-coding
chr2-1282	5.66666	-1.77757	1.069333	-1.66232	0.09645	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	53450	NM_004807	9394	Hs.512841	NM_004807	ENSG00000	HS6ST1	HH15|HS6S	heparan s	protein-coding
chr7-5999	33.14576	0.775597	0.466795	1.661538	0.096606	0.981636	chr7	59995683	59996554	+	0	NA	Intergeni	ALR/Alpha	2545941	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-1298	6.137269	1.687163	1.015626	1.661205	0.096672	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	83406	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr15-525	8.733735	1.366796	0.823072	1.660603	0.096793	0.981636	chr15	52597886	52598179	+	0	NA	intron (N	AluSx|SIN	-28586	NM_001306	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr5-4964	171.4098	0.459515	0.276728	1.660528	0.096808	0.981636	chr5	49643674	49646210	+	0	NA	Intergeni	ALR/Alpha	796346	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-1048	7.536272	1.50782	0.908094	1.660424	0.096829	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	65581	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr11-441	6.203832	1.691167	1.019609	1.658643	0.097188	0.981636	chr11	44126294	44126493	+	0	NA	intron (N	L2c|LINE|	30196	NM_000401	2132	Hs.368404	NM_000401	ENSG00000	EXT2	SOTV|SSMS	exostosin	protein-coding
chr15-630	9.571779	-1.30168	0.785021	-1.65814	0.097288	0.981636	chr15	63043504	63046055	+	0	NA	intron (N	intron (N	2032	NM_001018	7168	Hs.133892	NM_000366	ENSG00000	TPM1	C15orf13|	tropomyos	protein-coding
chr1-1573	6.717986	1.560128	0.940917	1.658094	0.097299	0.981636	chr1	15733446	15734138	+	0	NA	intron (N	intron (N	-2466	NM_207348	284723	Hs.631867	NM_207348	ENSG00000	SLC25A34	-	solute ca	protein-coding
chr16-841	6.717986	1.560128	0.940917	1.658094	0.097299	0.981636	chr16	84182983	84183188	+	0	NA	exon (NM_	exon (NM_	3972	NM_005679	9013	Hs.153022	NM_005679	ENSG00000	TAF1C	MGC:39976	TATA-box	protein-coding
chr3-5057	6.717986	1.560128	0.940917	1.658094	0.097299	0.981636	chr3	50573341	50573540	+	0	NA	intron (N	intron (N	-2413	NM_001171	51161	Hs.517860	NM_016210	ENSG00000	C3orf18	G20	chromosom	protein-coding
chr10-408	39.35051	0.714629	0.431639	1.65562	0.097799	0.981636	chr10	40878610	40878949	+	0	NA	Intergeni	ALR/Alpha	1489266	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-478	7.573226	-1.48018	0.894153	-1.6554	0.097844	0.981636	chr11	47817784	47818047	+	0	NA	intron (N	intron (N	30435	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr3-1836	6.725844	1.557145	0.940848	1.655044	0.097916	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MamRep187	-30953	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr5-1416	6.725844	1.557145	0.940848	1.655044	0.097916	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	MIRb|SINE	6529	NM_173828	285613	Hs.120094	NM_173828	ENSG00000	RELL2	C5orf16	RELT like	protein-coding
chr9-2185	4.147128	-2.15532	1.303089	-1.65401	0.098126	0.981636	chr9	21855421	21855722	+	0	NA	intron (N	intron (N	52935	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr15-585	7.59865	-1.47179	0.890115	-1.65348	0.098233	0.981636	chr15	58593347	58593582	+	0	NA	3’ UTR (N	3’ UTR (N	-94729	NR_120338	1.02E+08	Hs.655781	NR_120338	ENSG00000	LIPC-AS1	-	LIPC anti	ncRNA
chr1-2293	9.467892	1.33353	0.806835	1.652792	0.098373	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	Intergeni	AluJr|SIN	3377	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr10-588	7.428569	1.504707	0.910552	1.652521	0.098428	0.981636	chr10	58811826	58812035	+	0	NA	intron (N	L2b|LINE|	96915	NR_027508	728640	Hs.729209	NR_027508		FAM133CP	-	family wi	pseudo
chrX-1543	7.639789	-1.46634	0.887729	-1.65179	0.098578	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	3747	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr9-1274	7.485424	1.49839	0.907334	1.65142	0.098653	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	8493	NM_014580	29988	Hs.179522	NM_014580	ENSG00000	SLC2A8	GLUT8|GLU	solute ca	protein-coding
chr14-921	6.735551	1.568309	0.949888	1.651047	0.098729	0.981636	chr14	92166006	92166223	+	0	NA	3’ UTR (N	3’ UTR (N	44145	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr7-6615	6.735551	1.568309	0.949888	1.651047	0.098729	0.981636	chr7	66152990	66153372	+	0	NA	non-codir	non-codir	38334	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr20-265	80.63024	0.584536	0.354154	1.650513	0.098838	0.981636	chr20	26541796	26542370	+	0	NA	Intergeni	ALR/Alpha	-332850	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr7-3629	8.67503	1.360868	0.824906	1.649726	0.098999	0.981636	chr7	36299342	36299631	+	0	NA	3’ UTR (N	3’ UTR (N	67754	NM_001199	23366	Hs.6224	NM_015314	ENSG00000	KIAA0895	-	KIAA0895	protein-coding
chr18-510	5.658802	-1.77531	1.077636	-1.64742	0.099473	0.981636	chr18	51063303	51063599	+	0	NA	intron (N	AluJb|SIN	33238	NM_005359	4089	Hs.75862	NM_005359	ENSG00000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr1-1246	49.19869	0.637023	0.386796	1.64692	0.099574	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3140734	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-763	11.85496	1.173396	0.712702	1.646405	0.09968	0.981636	chr11	76352395	76352617	+	0	NA	non-codir	non-codir	28459	NR_130898	5612	Hs.503315	NM_004705	ENSG00000	THAP12	DAP4|P52r	THAP doma	protein-coding
chr4-1126	2.419425	-3.12412	1.897945	-1.64605	0.099753	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-28208	NM_001267	51574	Hs.713663	NM_015454	ENSG00000	LARP7	ALAZS|HDC	La ribonu	protein-coding
chr1-2052	6.692562	1.555006	0.944732	1.645975	0.099769	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	exon (NM_	exon (NM_	-4534	NM_001297	9911	Hs.6360	NM_014858	ENSG00000	TMCC2	HUCEP11	transmemb	protein-coding
chr14-530	6.692562	1.555006	0.944732	1.645975	0.099769	0.981636	chr14	53084912	53085182	+	0	NA	intron (N	L1PA6|LIN	68276	NM_030637	80821	Hs.125525	NM_030637	ENSG00000	DDHD1	PA-PLA1|F	DDHD doma	protein-coding
chr15-748	6.692562	1.555006	0.944732	1.645975	0.099769	0.981636	chr15	74849979	74850255	+	0	NA	intron (N	intron (N	-6961	NM_001284	25989	Hs.513034	NM_001099	ENSG00000	ULK3	-	unc-51 li	protein-coding
chr10-100	6.784549	1.56433	0.951376	1.644282	0.100118	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	7846	NM_005063	6319	Hs.558396	NM_005063	ENSG00000	SCD	FADS5|MST	stearoyl-	protein-coding
chr15-228	6.784549	1.56433	0.951376	1.644282	0.100118	0.981636	chr15	22823720	22824145	+	0	NA	exon (NM_	exon (NM_	-14709	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magr	protein-coding
chr1-1852	6.710128	1.56317	0.950977	1.643752	0.100227	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1PA7|LIN	52524	NM_017673	54823	Hs.134183	NM_017673	ENSG00000	SWT1	C1orf26|H	SWT1 RNA	protein-coding
chr1-1790	6.70042	1.551998	0.944664	1.642911	0.100401	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L2c|LINE|	-26275	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr14-914	9.589345	-1.29408	0.787699	-1.64286	0.100412	0.981636	chr14	91468344	91468545	+	0	NA	intron (N	AluSg|SIN	41260	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr2-1739	8.767016	1.36858	0.833073	1.64281	0.100422	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	exon (NM_	exon (NM_	45102	NM_001017	6670	Hs.531587	NM_003111	ENSG00000	SP3	SPR2	Sp3 trans	protein-coding
chr13-113	6.887882	-1.53144	0.932723	-1.6419	0.100611	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	2125	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr4-1139	6.887882	-1.53144	0.932723	-1.6419	0.100611	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	L2|LINE|L	12948	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr18-124	8.741593	1.364463	0.832585	1.638827	0.101249	0.981636	chr18	12426802	12429544	+	0	NA	intron (N	intron (N	-4601	NR_136514	1.05E+08	Hs.515283	NR_136514		LOC105371	-	uncharact	ncRNA
chr1-1498	6.050392	1.645496	1.004645	1.637888	0.101445	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	7124	NM_001161	440689	Hs.632451	NM_001024	ENSG00000	HIST2H2BF	-	histone c	protein-coding
chr2-1831	6.829176	-1.54859	0.945493	-1.63787	0.10145	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	non-codir	non-codir	36763	NM_138285	129401	Hs.180591	NM_138285	ENSG00000	NUP35	MP-44|MP4	nucleopor	protein-coding
chr4-3894	10.82628	-1.20981	0.739298	-1.63643	0.10175	0.981636	chr4	38941789	38941988	+	0	NA	intron (N	THE1B|LTR	73856	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr7-4730	8.007436	1.403756	0.858054	1.635977	0.101844	0.981636	chr7	47300042	47300621	+	0	NA	intron (N	intron (N	164472	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr3-8808	6.880024	-1.52983	0.935138	-1.63594	0.101851	0.981636	chr3	88088662	88088972	+	0	NA	intron (N	AluSx1|SI	29562	NM_001350	55279	Hs.591650	NM_018293	ENSG00000	ZNF654	-	zinc fing	protein-coding
chr5-1781	6.880024	-1.52983	0.935138	-1.63594	0.101851	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	11016	NM_017838	55651	Hs.744074	NM_017838	ENSG00000	NHP2	DKCB2|NHP	NHP2 ribo	protein-coding

chr2-1895	6.733702	1.55403	0.950794	1.634456	0.102163	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	6539	NM_014585	30061	Hs.643005	NM_014585	ENSG00000	SLC40A1	FPN1|HFE4	solute ca protein-coding
chr1-1490	6.01711	1.643254	1.005864	1.633674	0.102327	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	49952	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb protein-coding
chr2-1349	6.143832	-1.61575	0.989568	-1.63279	0.102514	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	AluJb|SIN	24453	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2 protein-coding
chr1-1087	6.118408	-1.62629	0.996023	-1.63278	0.102515	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9432	NM_001349	55119	Hs.342307	NM_018061	ENSG00000	PRPF38B	NET1	pre-mRNA protein-coding
chr19-525	7.982012	1.399349	0.857618	1.631668	0.102749	0.981636	chr19	52510911	52512607	+	0	NA	exon (NM_	exon (NM_	-15897	NM_001321	388558	Hs.729294	NM_001039	ENSG00000	ZNF808	-	zinc fing protein-coding
chr2-2031	7.982012	1.399349	0.857618	1.631668	0.102749	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-108131	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom protein-coding
chr5-4946	54.18549	0.632789	0.387885	1.631384	0.102809	0.981636	chr5	49465510	49466039	+	0	NA	Intergeni	ALR/Alpha	975514	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin protein-coding
chr8-8521	6.135974	-1.61403	0.989496	-1.63116	0.102857	0.981636	chr8	85213587	85213831	+	0	NA	TTS (NM_0	TTS (NM_0	6665	NR_120681	401466	Hs.443072	NM_001099	ENSG00000	RBIS	C8orf59	ribosomal protein-coding
chr1-7022	6.11055	-1.62455	0.995953	-1.63115	0.102859	0.981636	chr1	70225689	70225943	+	0	NA	intron (N	intron (N	4436	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar protein-coding
chr1-2277	8.716169	1.360318	0.83409	1.6309	0.102911	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2762	NM_001323	116841	Hs.325081	NM_053052	ENSG00000	SNAP47	C1orf142|	synaptosc protein-coding
chr1-1247	54.80824	0.631841	0.387515	1.630495	0.102997	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3215871	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p pseudo
chr1-1551	4.784516	1.949815	1.196512	1.629583	0.10319	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	2867	NR_030281	693235		NR_030281	ENSG00000	MIR92B	MIRN92B|h	microRNA ncRNA
chr19-367	5.974121	1.628467	0.999345	1.629535	0.1032	0.981636	chr19	36725251	36725642	+	0	NA	Intergeni	AluSq|SIN	21765	NM_001363	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing protein-coding
chr20-603	6.821318	-1.54712	0.950595	-1.62752	0.103626	0.981636	chr20	6034450	6034728	+	0	NA	intron (N	intron (N	19471	NM_152611	164312	Hs.149133	NM_152611	ENSG00000	LRRN4	C20orf75|	leucine r protein-coding
chr2-1127	3.179191	-2.41025	1.481887	-1.62647	0.103849	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	20576	NM_001304	150468	Hs.434250	NM_152515	ENSG00000	CKAP2L	-	cytoskele protein-coding
chr6-4377	6.102692	-1.62286	0.998837	-1.62475	0.104217	0.981636	chr6	43772255	43772666	+	0	NA	intron (N	intron (N	492	NM_001287	7422	Hs.73793	NM_003376	ENSG00000	VEGFA	MVCD1|VEG	vascular protein-coding
chr14-103	6.007403	1.630718	1.003764	1.624603	0.104247	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	MIRb|SINE	7728	NM_006291	7127	Hs.525607	NM_006291	ENSG00000	TNFAIP2	B94|EXOC3	TNF alpha protein-coding
chr1-2526	7.434577	1.488718	0.91645	1.624439	0.104282	0.981636	chr1	25262846	25263045	+	0	NA	intron (N	MLT2B3|LT	4980	NR_135777	57035	Hs.259412	NM_020317	ENSG00000	RSRP1	C1orf63|N	arginine protein-coding
chr1-5508	5.966263	1.631867	1.005529	1.622894	0.104612	0.981636	chr1	55087814	55088152	+	0	NA	intron (N	L2b|LINE|	47761	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei protein-coding
chr3-1841	5.966263	1.631867	1.005529	1.622894	0.104612	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	5617	NM_003907	8893	Hs.283551	NM_003907	ENSG00000	EIF2B5	CACH|CLE|	eukaryoti protein-coding
chr11-862	6.708278	1.5488	0.954692	1.622304	0.104738	0.981636	chr11	8623947	8624909	+	0	NA	exon (NM_	exon (NM_	-30200	NM_001289	65975	Hs.501833	NM_030906	ENSG00000	STK33	-	serine/th protein-coding
chr10-404	32.87888	0.799561	0.492973	1.621916	0.104821	0.981636	chr10	40462784	40463063	+	0	NA	Intergeni	ALR/Alpha	1766327	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps pseudo
chr14-306	6.838884	-1.53598	0.948125	-1.62002	0.105228	0.981636	chr14	30680776	30681209	+	0	NA	intron (N	AluSz6|SI	58673	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami protein-coding
chr7-1026	6.838884	-1.53598	0.948125	-1.62002	0.105228	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx|SIN	2642	NM_032959	246721	Hs.610255	NM_032958	ENSG00000	POLR2J2	HRPB11B|F	RNA polym protein-coding
chr13-113	9.238181	1.289096	0.795786	1.619904	0.105253	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-4013	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA ncRNA
chr16-690	5.384066	-1.72259	1.063731	-1.61939	0.105364	0.981636	chr16	69002932	69003441	+	0	NA	intron (N	HERV35I-i	-102467	NM_001199	3038	Hs.592069	NM_005329	ENSG00000	HAS3	-	hyalurona protein-coding
chr18-170	10.48649	1.209311	0.747367	1.618095	0.105642	0.981636	chr18	17055628	17056081	+	0	NA	Intergeni	ALR/Alpha	-1729935	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r pseudo
chr12-985	7.530237	-1.4999	0.927085	-1.61787	0.105691	0.981636	chr12	9856952	9857167	+	0	NA	intron (N	L2c|LINE|	12800	NM_005127	9976	Hs.85201	NM_005127	ENSG00000	CLEC2B	AICL|CLEC	C-type le protein-coding
chr1-2146	3.171333	-2.40717	1.488649	-1.61701	0.105875	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	19442	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer protein-coding
chr15-895	3.171333	-2.40717	1.488649	-1.61701	0.105875	0.981636	chr15	89594806	89597651	+	0	NA	intron (N	L1M5|LINE	20641	NM_001308	90381	Hs.441708	NM_152259	ENSG00000	TICRR	C15orf42|	TOPBP1 ir protein-coding
chr1-8565	8.878577	-1.32328	0.818435	-1.61684	0.105912	0.981636	chr1	85653059	85653491	+	0	NA	3’ UTR (N	3’ UTR (N	55158	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing protein-coding
chr13-321	5.981979	1.625018	1.005193	1.616623	0.10596	0.981636	chr13	32167213	32167413	+	0	NA	intron (N	MLT1C|LTR	135539	NM_023037	10129	Hs.507669	NM_023037	ENSG00000	FRY	13CDNA73|	FRY micro protein-coding
chr19-139	5.981979	1.625018	1.005193	1.616623	0.10596	0.981636	chr19	13969844	13970056	+	0	NA	intron (N	intron (N	-16558	NM_001146	79883	Hs.448497	NM_024825	ENSG00000	PODNL1	SLRR5B	podocan l protein-coding
chr19-368	5.981979	1.625018	1.005193	1.616623	0.10596	0.981636	chr19	36809977	36811092	+	0	NA	intron (N	intron (N	12971	NR_040028	284408	Hs.570010	NR_040027	ENSG00000	ZNF790-AS	-	ZNF790 ar ncRNA
chr9-9877	5.981979	1.625018	1.005193	1.616623	0.10596	0.981636	chr9	98772749	98773144	+	0	NA	intron (N	L2c|LINE|	23609	NM_173551	203286	Hs.406890	NM_173551	ENSG00000	ANKS6	ANKRD14|N	ankyrin r protein-coding
chr19-127	9.212757	1.285202	0.796187	1.614196	0.106485	0.981636	chr19	12763201	12763738	+	0	NA	intron (N	intron (N	11678	NM_017682	54831	Hs.435611	NM_017682	ENSG00000	BEST2	VMD2L1	bestrophi protein-coding
chr3-1326	6.094834	-1.6212	1.004778	-1.61349	0.106639	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	TTS (NM_1	TTS (NM_1	19023	NM_001321	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitin protein-coding
chr11-280	6.120258	-1.6105	0.998214	-1.61339	0.106661	0.981636	chr11	28060263	28061887	+	0	NA	intron (N	MER68|LTR	4260	NR_030341	693195		NR_030341	ENSG00000	MIR610	MIRN610|h	microRNA ncRNA
chr10-145	6.929021	-1.52491	0.945194	-1.61333	0.106673	0.981636	chr10	14533985	14534695	+	0	NA	intron (N	intron (N	-1626	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi protein-coding
chr12-504	6.169256	-1.60515	0.994952	-1.6133	0.10668	0.981636	chr12	50461612	50461866	+	0	NA	TTS (NM_0	TTS (NM_0	5168	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc snoRNA
chr11-647	5.376208	-1.72068	1.067166	-1.61238	0.10688	0.981636	chr11	64762505	64763414	+	0	NA	Intergeni	Intergeni	-2244	NM_001164	5837	Hs.154084	NM_005609	ENSG00000	PYGM	-	glycogen protein-coding
chr17-774	5.376208	-1.72068	1.067166	-1.61238	0.10688	0.981636	chr17	77405653	77406105	+	0	NA	intron (N	intron (N	802	NM_001293	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9 protein-coding
chr2-3655	5.376208	-1.72068	1.067166	-1.61238	0.10688	0.981636	chr2	36553431	36553842	+	0	NA	intron (N	intron (N	44532	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula protein-coding
chr3-1872	5.376208	-1.72068	1.067166	-1.61238	0.10688	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	L2a|LINE|	-15091	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact ncRNA
chr8-2548	5.376208	-1.72068	1.067166	-1.61238	0.10688	0.981636	chr8	25483899	25485067	+	0	NA	intron (N	L1M5|LINE	25250	NM_152562	157313	Hs.33366	NM_152562	ENSG00000	CDCA2	PPP1R81|F	cell divi protein-coding
chr12-985	6.161398	-1.60342	0.994881	-1.61167	0.107034	0.981636	chr12	9855176	9855633	+	0	NA	intron (N	intron (N	14455	NM_005127	9976	Hs.85201	NM_005127	ENSG00000	CLEC2B	AICL|CLEC	C-type le protein-coding
chr3-1341	6.161398	-1.60342	0.994881	-1.61167	0.107034	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	76837	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor protein-coding
chr6-7350	6.161398	-1.60342	0.994881	-1.61167	0.107034	0.981636	chr6	73503933	73504173	+	0	NA	3’ UTR (N	3’ UTR (N	14385	NR_132981	1.07E+08		NR_132981		SNORD141B	-	small nuc snoRNA
chr19-511	6.152985	1.67919	1.042256	1.611111	0.107156	0.981636	chr19	5112645	5112908	+	0	NA	3’ UTR (N	3’ UTR (N	143663	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de protein-coding
chr1-1176	6.864308	-1.52645	0.947901	-1.61035	0.107321	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	17157	NM_017709	54855	Hs.356216	NM_017709	ENSG00000	TENT5C	FAM46C	terminal protein-coding
chr7-7558	5.247822	1.729203	1.073813	1.610338	0.107324	0.981636	chr7	75583616	75584020	+	0	NA	intron (N	AluJr|SIN	-55695	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo pseudo
chr21-414	6.085127	-1.63583	1.016139	-1.60985	0.107431	0.981636	chr21	41409136	41409335	+	0	NA	3’ UTR (N	3’ UTR (N	-11323	NM_001144	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami protein-coding
chr13-304	5.40949	-1.71049	1.062711	-1.60955	0.107496	0.981636	chr13	30458364	30459422	+	0	NA	3’ UTR (N	3’ UTR (N	5434	NM_001313	3146	Hs.434102	NM_002128	ENSG00000	HMGB1	HMG-1|HMG	high mobi protein-coding
chr15-807	5.40949	-1.71049	1.062711	-1.60955	0.107496	0.981636	chr15	80783964	80786168	+	0	NA	intron (N	Plat_L3|L	5696	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYE	cell migr protein-coding
chr7-4591	5.40949	-1.71049	1.062711	-1.60955	0.107496	0.981636	chr7	45914704	45916948	+	0	NA	intron (N	intron (N	5446	NM_000598	3486	Hs.450230	NM_000598	ENSG00000	IGFBP3	BP-53|IBF	insulin l protein-coding
chr17-353	4.657583	-1.85785	1.154302	-1.6095	0.107506	0.981636	chr17	35361811	35364202	+	0	NA	exon (NM_	exon (NM_	10615	NM_001104	91607	Hs.745059	NM_152270	ENSG00000	SLFN11	SLFN8/9	schlafen protein-coding
chr18-666	4.657583	-1.85785	1.154302	-1.6095	0.107506	0.981636	chr18	666028	667319	+	0	NA	intron (N	Charlie8|	-8382	NM_001012	494514	Hs.274959	NM_001012716		TYMSOS	C18orf56	TYMS oppo protein-coding
chr2-1112	4.657583	-1.85785	1.154302	-1.6095	0.107506	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MLT1A0|LT	89227	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA ncRNA
chr10-997	6.905447	-1.52016	0.944881	-1.60884	0.107651	0.981636	chr10	99728634	99728861	+	0	NA	intron (N	L1MC5|LIN	-3487	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp protein-coding
chr19-450	9.271462	1.290918	0.802756	1.608107	0.107812	0.981636	chr19	45081736	45082181	+	0	NA	intron (N	L2b|LINE|	2698	NM_001007	79760	Hs.466919	NM_024707	ENSG00000	GEMIN7	SIP3	gem nucle protein-coding
chr12-113	5.25568	1.725279	1.07349	1.607168	0.108017	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJo|SIN	-6053	NR_106820	1.02E+08		NR_106820	ENSG00000	MIR6762	hsa-mir-6	microRNA ncRNA
chr19-366	5.25568	1.725279	1.07349	1.607168	0.108017	0.981636	chr19	36618098	36622644	+	0	NA	intron (N	intron (N	15058	NM_032825	84911	Hs.631591	NM_032825	ENSG00000	ZNF382	KS1	zinc fing protein-coding
chr2-8802	5.25568	1.725279	1.07349	1.607168	0.108017	0.981636	chr2	88026591	88027114	+	0	NA	TTS (NM_0	TTS (NM_0	28931	NM_001304	51315	Hs.469254	NM_016618	ENSG00000	KRCC1	CHBP2	lysine ri protein-coding
chr1-1227	21.89479	0.85381	0.531262	1.607135	0.108025	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1247749	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p pseudo
chr1-1223	9.246039	1.286998	0.801307	1.606123	0.108247	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	818845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p pseudo
chr9-1109	8.093388	-1.36925	0.8527	-1.60578	0.108322	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	MER47A|DN	113245	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp protein-coding
chr4-1254	8.778732	-1.34074	0.834948	-1.60578	0.108322	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (N	MLT1H1|LT	-72419	NR_031746	1E+08		NR_031746	ENSG00000	MIR2054	hsa-mir-2	microRNA ncRNA
chr19-264	111.7836	0.497298	0.30974	1.605535	0.108376	0.981636	chr19	26450267	26450472	+	0	NA	Intergeni	ALR/Alpha	-1343062	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact ncRNA
chr16-118	6.15354	-1.6016	0.997763	-1.60519	0.108452	0.981636	chr16	11868470	11870159	+	0	NA	3’ UTR (N	3’ UTR (N	-17772	NM_015659	26156	Hs.401842	NM_015659	ENSG00000	RSL1D1	CSIG|L12|	ribosomal protein-coding
chr19-218	6.15354	-1.6016	0.997763	-1.60519	0.108452	0.981636	chr19	21832907	21833106	+	0	NA	intron (N	intron (N	3176	NM_001256	7594	Hs.534365	NM_003423	ENSG00000	ZNF43	HTF6|KOX2	zinc fing protein-coding
chr20-563	6.15354	-1.6016	0.997763	-1.60519	0.108452	0.981636	chr20	56382777	56383169	+	0	NA	intron (N	intron (N	9242	NM_198436	6790	Hs.250822	NM_003600	ENSG00000	AURKA	AIK|ARK1|	aurora ki protein-coding
chr8-8995	6.15354	-1.6016	0.997763	-1.60519	0.108452	0.981636	chr8	89957177	89957376	+	0	NA	intron (N	Tigger3b|	27395	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin protein-coding
chr8-1332	6.15354	-1.6016	0.997763	-1.60519	0.108452	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	27758	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular protein-coding
chrX-7813	4.632159	-1.8724	1.166485	-1.60516	0.108458	0.981636	chrX	78131827	78132078	+	0	NA	intron (N	intron (N	7698	NM_015975	51616	Hs.592248	NM_015975	ENSG00000	TAF9B	DN-7|DN7|	TATA-box protein-coding
chr12-653	8.075822	-1.37831	0.858689	-1.60514	0.108463	0.981636	chr12	65374939	65375138	+	0	NA	intron (N	AluY|SINE	96051	NM_001193	253827	Hs.339024	NM_198080	ENSG00000	MSRB3	DFNB74	methionin protein-coding
chr2-1908	10.0508	-1.22902	0.765681	-1.60513	0.108464	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	exon (NM_	exon (NM_	14833	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina protein-coding
chr1-2042	7.255713	1.44386	0.89992	1.604431	0.108619	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	MER30|DNA	-57102	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra protein-coding
chr5-3783	5.956555	1.619238	1.009894	1.603375	0.108852	0.981636	chr5	37834200	37834755	+	0	NA	intron (N	intron (N	345	NM_001278	2668	Hs.248114	NM_000514	ENSG00000	GDNF	ATF|ATF1|	glial cel protein-coding
chr7-6607	5.956555	1.619238	1.009894	1.603375	0.108852	0.981636	chr7	66079492	66079907	+	0	NA	intron (N	AluSc|SIN	3880	NM_001024	435	Hs.632015	NM_000048	ENSG00000	ASL	ASAL	argininos protein-coding
chr3-1238	7.649497	-1.45427	0.907177	-1.60307	0.10892	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME3Cz|L	36612	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li protein-coding
chr11-957	5.401632	-1.70848	1.066144	-1.60249	0.109047	0.981636	chr11	9576375	9579773	+	0	NA	intron (N	U13_|snRN	3387	NM_001143	7465	Hs.249441	NM_003390	ENSG00000	WEE1	WEE1A|WEE	WEE1 G2 c protein-coding
chr3-3708	5.401632	-1.70848	1.066144	-1.60249	0.109047	0.981636	chr3	37080375	37080768	+	0	NA	intron (N	L1MC5|LIN	87221	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo protein-coding
chr3-1704	5.401632	-1.70848	1.066144	-1.60249	0.109047	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	11827	NR_106886	1.02E+08		NR_106886	ENSG00000	MIR6828	hsa-mir-6	microRNA ncRNA
chr8-3275	5.983829	1.641278	1.024234	1.602443	0.109058	0.981636	chr8	32755960	32756925	+	0	NA	exon (NM_	exon (NM_	34607	NM_001322	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli protein-coding
chr15-591	4.649725	-1.85563	1.158482	-1.60178	0.109205	0.981636	chr15	59124753	59126928	+	0	NA	TTS (NM_0	TTS (NM_0	20694	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2 protein-coding
chr3-4508	4.649725	-1.85563	1.158482	-1.60178	0.109205	0.981636	chr3	45088033	45088809	+	0	NA	intron (N	AluSz|SIN	57957	NM_022842	64866	Hs.476093	NM_022842	ENSG00000	CDCP1	CD318|SIM	CUB domai protein-coding
chr4-1031	4.649725	-1.85563	1.158482	-1.60178	0.109205	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MB2|LIN	41085	NM_001286	1062	Hs.75573	NM_001813	ENSG00000	CENPE	CENP-E|KI	centromer protein-coding
chr1-2146	3.931099	-2.05746	1.284978	-1.60117	0.10934	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	56059	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer protein-coding
chr8-5911	3.931099	-2.05746	1.284978	-1.60117	0.10934	0.981636	chr8	59112384	59113570	+	0	NA	intron (N	intron (N	6170	NM_014729	9760	Hs.491805	NM_014729	ENSG00000	TOX	TOX1	thymocyte protein-coding
chr5-5368	7.549652	-1.47601	0.922069	-1.60075	0.109432	0.981636	chr5	53685796	53686131	+	0	NA	Intergeni	L1PA3|LIN	125324	NR_134474	4724	Hs.528222	NM_002495	ENSG00000	NDUFS4	AQDQ|CI-1	NADH:ubic protein-coding
chr20-379	8.796298	-1.33225	0.832311	-1.60066	0.109452	0.981636	chr20	3798699	3799031	+	0	NA	intron (N	MER102b|D	-1197	NM_001287	994	Hs.153752	NM_004358	ENSG00000	CDC25B	-	cell divi protein-coding
chr5-4961	85.5302	0.536355	0.335088	1.60064	0.109457	0.981636	chr5	49610031	49610299	+	0	NA	Intergeni	ALR/Alpha	831123	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin protein-coding
chr2-2178	7.273279	1.45149	0.906932	1.600439	0.109501	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	12231	NR_106867	1.02E+08		NR_106867	ENSG00000	MIR6809	hsa-mir-6	microRNA ncRNA
chr11-126	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	L2a|LINE|	17237	NM_003139	6734	Hs.368376	NM_003139	ENSG00000	SRPRA	DP|SRPR|S	SRP recep protein-coding
chr12-101	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	15616	NM_014503	27340	Hs.295732	NM_014503	ENSG00000	UTP20	1A6/DRIM|	UTP20 sma protein-coding
chr19-565	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr19	56597363	56597619	+	0	NA	intron (N	intron (N	2189	NM_001370	58491	Hs.301431	NM_021216	ENSG00000	ZNF71	EZFIT	zinc fing protein-coding
chr4-1393	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-34588	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic protein-coding
chr6-9946	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr6	99464671	99464870	+	0	NA	intron (N	intron (N	-39425	NM_001322	25957	Hs.520287	NM_015491	ENSG00000	PNISR	C6orf111|	PNN inter protein-coding
chr7-5502	5.368351	-1.71876	1.074216	-1.60002	0.109595	0.981636	chr7	55021140	55021394	+	0	NA	intron (N	intron (N	2235	NM_201283	1956	Hs.488293	NM_005228	ENSG00000	EGFR	ERBB|ERBB	epidermal protein-coding
chr1-2402	8.126669	-1.36302	0.85196	-1.59987	0.109628	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1PA16|LI	174804	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2 protein-coding
chr3-1214	3.163475	-2.40399	1.502699	-1.59978	0.109648	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSc|SIN	97609	NM_199420	10721	Hs.241517	NM_199420	ENSG00000	POLQ	PRO0327	DNA polym protein-coding
chr1-2368	7.23029	1.439044	0.899556	1.599726	0.109659	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	Tigger1|D	71803	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt protein-coding
chr8-1055	8.08553	-1.36789	0.85568	-1.5986	0.109909	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	(AAAT)n|S	242814	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing protein-coding
chr3-5759	5.350785	-1.73333	1.084292	-1.59858	0.109914	0.981636	chr3	57590862	57591221	+	0	NA	intron (N	intron (N	6303	NM_001660	378	Hs.652183	NM_001660	ENSG00000	ARF4	ARF2	ADP ribos protein-coding
chr19-366	5.230256	1.71889	1.075383	1.598398	0.109954	0.981636	chr19	36613039	36614733	+	0	NA	intron (N	L1ME2|LIN	8573	NM_032825	84911	Hs.631591	NM_032825	ENSG00000	ZNF382	KS1	zinc fing protein-coding
chr6-1094	5.230256	1.71889	1.075383	1.598398	0.109954	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	6417	NM_001164	9841	Hs.409876	NM_014797	ENSG00000	ZBTB24	BIF1|ICF2	zinc fing protein-coding
chr19-261	23.42966	0.861828	0.539358	1.597877	0.11007	0.981636	chr19	26120180	26120449	+	0	NA	Intergeni	ALR/Alpha	-1673117	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact ncRNA
chr10-911	10.04294	-1.22791	0.768669	-1.59745	0.110166	0.981636	chr10	911566	911929	+	0	NA	intron (N	LTR49-int	19958	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu protein-coding
chr17-671	8.821722	-1.3251	0.82954	-1.59739	0.110178	0.981636	chr17	67134004	67134244	+	0	NA	intron (N	AluSp|SIN	89570	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v protein-coding
chr2-1751	6.086977	-1.61955	1.013997	-1.5972	0.110222	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	52036	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA ncRNA
chr19-541	8.118812	-1.36165	0.852849	-1.59659	0.110357	0.981636	chr19	54195513	54195712	+	0	NA	Intergeni	FLAM_C|SI	4304	NM_001077	79042	Hs.15580	NM_024075	ENSG00000	TSEN34	LENG5|PCH	tRNA spli protein-coding
chr7-5437	7.222432	1.441763	0.903665	1.595462	0.110609	0.981636	chr7	5437213	5437440	+	0	NA	Intergeni	AluSx|SIN	-8399	NM_001354	1E+08	Hs.147507	NM_001354886		LOC100129	-	uncharact protein-coding
chr6-1494	7.514521	-1.4974	0.938814	-1.59499	0.110714	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10869	NM_001002	387082	Hs.657168	NM_001002	ENSG00000	SUMO4	IDDM5|SMT	small ubi protein-coding
chr9-1089	8.608466	1.356922	0.850782	1.594911	0.110732	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5378	NM_017832	54942	Hs.29276	NM_017832	ENSG00000	ABITRAM	C9orf6|CG	actin bin protein-coding
chr21-462	7.288995	1.446011	0.906938	1.594388	0.110849	0.981636	chr21	46219568	46219881	+	0	NA	intron (N	intron (N	9050	NM_001145	4047	Hs.596543	NM_002340	ENSG00000	LSS	CTRCT44|H	lanostero protein-coding
chr12-121	4.529381	1.863829	1.169418	1.59381	0.110979	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-49999	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA ncRNA
chr8-4789	6.145682	-1.59968	1.003704	-1.59377	0.110986	0.981636	chr8	47896509	47896747	+	0	NA	intron (N	AluYk4|SI	63508	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k protein-coding
chr10-943	3.923241	-2.05478	1.290278	-1.59251	0.111271	0.981636	chr10	94347553	94347815	+	0	NA	intron (N	L1MC4a|LI	15255	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like protein-coding
chr15-591	3.923241	-2.05478	1.290278	-1.59251	0.111271	0.981636	chr15	59107863	59108737	+	0	NA	intron (N	intron (N	3154	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2 protein-coding
chr5-1268	3.923241	-2.05478	1.290278	-1.59251	0.111271	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	58960	NM_001198	4001	Hs.89497	NM_005573	ENSG00000	LMNB1	ADLD|LMN|	lamin B1 protein-coding
chr7-2286	10.12522	-1.22035	0.767108	-1.59084	0.111645	0.981636	chr7	22860778	22861113	+	0	NA	non-codin	non-codin	4332	NR_003075	692210		NR_003075	ENSG00000	SNORD93	HBII-336	small nuc snoRNA
chr19-842	4.503957	1.856533	1.167391	1.590326	0.111761	0.981636	chr19	8426675	8427496	+	0	NA	intron (N	AluSz|SIN	8733	NM_001369	51257	Hs.631861	NM_016496	ENSG00000	2-Mar	HSPC240|M	membrane protein-coding
chr14-884	5.393774	-1.7064	1.073191	-1.59002	0.11183	0.981636	chr14	88482728	88483014	+	0	NA	intron (N	intron (N	72136	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTF	protein t protein-coding

chr2-4538	5.393774	-1.7064	1.073191	-1.59002	0.11183	0.981636	chr2	45388192	45388391	+	0	NA	TTS (NM_0	TTS (NM_0	-133350	NR_033831	400952	Hs.468368	NR_033831	ENSG00000	LINC01121	UNQ6975	long inte	ncRNA
chr3-1604	5.393774	-1.7064	1.073191	-1.59002	0.11183	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	8184	NR_029525	406951		NR_029525	ENSG00000	MIR16-2	MIRN16-2|	microRNA	ncRNA
chr7-1301	5.393774	-1.7064	1.073191	-1.59002	0.11183	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	TTS (NM_0	TTS (NM_0	22994	NR_149034	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr1-1522	7.238148	1.436319	0.903668	1.589433	0.111963	0.981636	chr1	1522819	1523222	+	0	NA	intron (N	CpG-113	10490	NM_001170	55210	Hs.23413	NM_018188	ENSG00000	ATAD3A	HAYOS	ATPase fa	protein-coding
chr9-1108	8.110954	-1.36024	0.855831	-1.58938	0.111974	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluY|SINE	147624	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr15-307	3.204615	-2.38579	1.50179	-1.58863	0.112144	0.981636	chr15	30755863	30756600	+	0	NA	intron (N	intron (N	-61805	NR_072991	390561	Hs.721293	NR_072991		HERC2P10	-	hect doma	pseudo
chr13-950	8.911859	-1.31719	0.829229	-1.58845	0.112184	0.981636	chr13	95061382	95061581	+	0	NA	intron (N	intron (N	101440	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr6-5879	116.4778	0.518456	0.326422	1.588299	0.112219	0.981636	chr6	58793454	58793676	+	0	NA	Intergeni	ALR/Alpha	-832119	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr10-889	4.641867	-1.85335	1.167053	-1.58806	0.112273	0.981636	chr10	88928240	88929609	+	0	NA	Intergeni	Intergeni	-3760	NR_125373	1E+08		NR_125373	ENSG00000	ACTA2-AS1	UC001kfo|	ACTA2 ant	ncRNA
chr5-3883	4.641867	-1.85335	1.167053	-1.58806	0.112273	0.981636	chr5	38838907	38839289	+	0	NA	intron (N	L1MEf|LIN	6731	NR_109951	1.02E+08	Hs.546623	NR_109951		OSMR-AS1	CTD-2127H	OSMR anti	ncRNA
chr9-5535	4.641867	-1.85335	1.167053	-1.58806	0.112273	0.981636	chr9	5535098	5535790	+	0	NA	intron (N	MER112|DN	24913	NM_025239	80380	Hs.532279	NM_025239	ENSG00000	PDCD1LG2	B7DC|Btdc	programme	protein-coding
chr2-2338	3.889959	-2.07027	1.304317	-1.58724	0.112458	0.981636	chr2	2.34E+08	2.34E+08	+	0	NA	intron (N	intron (N	6894	NM_018410	55355	Hs.532968	NM_018410	ENSG00000	HJURP	FAKTS|URL	Holliday	protein-coding
chr4-8409	5.196975	1.716393	1.081496	1.587054	0.1125	0.981636	chr4	8409273	8409472	+	0	NA	intron (N	intron (N	31351	NM_003501	8310	Hs.479122	NM_003501	ENSG00000	ACOX3	-	acyl-CoA	protein-coding
chr5-4745	132.0521	0.479948	0.302489	1.58666	0.11259	0.981636	chr5	47450769	47451138	+	0	NA	Intergeni	ALR/Alpha	-1754573	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-756	4.683006	-1.84317	1.162939	-1.58493	0.112983	0.981636	chr13	75691825	75693003	+	0	NA	intron (N	AluJr|SIN	56084	NM_001306	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr6-9726	4.683006	-1.84317	1.162939	-1.58493	0.112983	0.981636	chr6	97268070	97268765	+	0	NA	intron (N	AluYf1|SI	14799	NM_001350	253714	Hs.444292	NM_198468	ENSG00000	MMS22L	C6orf167|	MMS22 lik	protein-coding
chr8-1233	4.683006	-1.84317	1.162939	-1.58493	0.112983	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-8094	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA
chr19-369	8.486458	1.312155	0.82792	1.584881	0.112993	0.981636	chr19	36995858	36998082	+	0	NA	exon (NM_	exon (NM_	80638	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr12-117	5.931132	1.613317	1.018076	1.584672	0.113041	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSz|SIN	33297	NM_015002	23014	Hs.740376	NM_015002	ENSG00000	FBXO21	FBX21	F-box pro	protein-coding
chr2-1572	5.204833	1.712409	1.081169	1.583849	0.113228	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	3598	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr1-1717	10.42594	1.195103	0.755044	1.582826	0.113461	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	3’ UTR (N	3’ UTR (N	37871	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr21-633	10.06051	-1.2207	0.771365	-1.58251	0.113533	0.981636	chr21	6331889	6333916	+	0	NA	Intergeni	AluSc|SIN	-65566	NM_001322	1.03E+08	Hs.743984	NM_001322044		LOC102724	-	uncharact	protein-coding
chr19-397	7.357196	-1.42117	0.898125	-1.58237	0.113565	0.981636	chr19	3973073	3973708	+	0	NA	Intergeni	AluSx1|SI	-2291	NM_001348	1613	Hs.631844	NM_001348	ENSG00000	DAPK3	DLK|ZIP|Z	death ass	protein-coding
chr11-942	10.51007	1.20382	0.76114	1.581601	0.113741	0.981636	chr11	94235881	94237578	+	0	NA	Intergeni	L1PA2|LIN	-68908	NM_001199	390243	Hs.553758	NM_001080	ENSG00000	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr19-474	5.989837	1.621239	1.02514	1.581481	0.113768	0.981636	chr19	47488426	47488834	+	0	NA	intron (N	intron (N	4348	NR_038452	1.01E+08	Hs.657320	NR_038452	ENSG00000	NAPA-AS1	-	NAPA anti	ncRNA
chr12-504	7.374762	-1.41125	0.892731	-1.58082	0.113919	0.981636	chr12	50416490	50416844	+	0	NA	intron (N	AluJb|SIN	15260	NM_001352	113251	Hs.26613	NM_052879	ENSG00000	LARP4	PP13296	La ribonu	protein-coding
chr1-8507	4.478534	1.849233	1.169944	1.580616	0.113966	0.981636	chr1	85074856	85075112	+	0	NA	intron (N	L2a|LINE|	12657	NM_145172	126820	Hs.97933	NM_145172	ENSG00000	WDR63	DIC3|NYD-	WD repeat	protein-coding
chr17-573	4.478534	1.849233	1.169944	1.580616	0.113966	0.981636	chr17	57310649	57311380	+	0	NA	intron (N	MIRb|SINE	53995	NM_170721	124540	Hs.658922	NM_138962	ENSG00000	MSI2	MSI2H	musashi R	protein-coding
chr17-275	6.716136	1.545183	0.977624	1.580549	0.113981	0.981636	chr17	27594905	27595126	+	0	NA	intron (N	intron (N	-36173	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr2-8858	9.253897	1.284799	0.812889	1.580534	0.113985	0.981636	chr2	88585240	88586032	+	0	NA	intron (N	L2-3_Crp|	39293	NM_001313	9451	Hs.591589	NM_004836	ENSG00000	EIF2AK3	PEK|PERK|	eukaryoti	protein-coding
chr3-1424	7.212724	1.431451	0.905859	1.580213	0.114058	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	18014	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr8-1434	7.212724	1.431451	0.905859	1.580213	0.114058	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	MSTA-int|	-18487	NM_201589	389692		NM_201589	ENSG00000	MAFA	INSDM|RIP	MAF bZIP	protein-coding
chr8-9476	7.38262	-1.41273	0.894032	-1.58017	0.114067	0.981636	chr8	94769786	94770110	+	0	NA	intron (N	AluSz|SIN	50048	NM_181787	286148	Hs.567828	NM_181787	ENSG00000	DPY19L4	-	dpy-19 li	protein-coding
chr19-197	5.263538	1.721195	1.089482	1.579829	0.114146	0.981636	chr19	19703805	19704852	+	0	NA	Intergeni	AluSz|SIN	28784	NM_021030	7561	Hs.659932	NM_021030	ENSG00000	ZNF14	GIOT-4|KO	zinc fing	protein-coding
chr8-1233	8.107254	-1.38428	0.876394	-1.57952	0.114217	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz6|SI	-12992	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA
chr19-183	4.4961	1.861309	1.178634	1.579209	0.114288	0.981636	chr19	18353281	18353709	+	0	NA	intron (N	AluJb|SIN	12897	NM_001329	54858	Hs.131776	NM_017712	ENSG00000	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr20-285	10.9988	1.152018	0.729793	1.578555	0.114438	0.981636	chr20	28525634	28526317	+	0	NA	Intergeni	ALR/Alpha	76690	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-4392	7.365054	-1.42272	0.901826	-1.5776	0.114656	0.981636	chr1	43929915	43930341	+	0	NA	intron (N	intron (N	-3192	NM_057090	9048	Hs.632404	NM_003976	ENSG00000	ARTN	ART|ENOVI	artemin	protein-coding
chr10-411	65.69286	0.596068	0.377846	1.577544	0.11467	0.981636	chr10	41124957	41125502	+	0	NA	Intergeni	ALR/Alpha	1242816	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-122	7.366904	-1.40976	0.893781	-1.5773	0.114727	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-9693	NR_137186	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr16-287	7.366904	-1.40976	0.893781	-1.5773	0.114727	0.981636	chr16	28721979	28722178	+	0	NA	intron (N	intron (N	-2174	NR_107058	1.02E+08		NR_107058	ENSG00000	MIR6862-2	hsa-mir-6	microRNA	ncRNA
chr14-617	6.137824	-1.59764	1.012922	-1.57726	0.114736	0.981636	chr14	61749638	61750155	+	0	NA	promoter-	promoter-	-807	NR_045406	1.01E+08	Hs.597216	NR_045406		HIF1A-AS2	3’aHIF-1A	HIF1A ant	ncRNA
chr3-1239	6.137824	-1.59764	1.012922	-1.57726	0.114736	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	10250	NM_001366	64770	Hs.645028	NM_022757	ENSG00000	CCDC14	-	coiled-co	protein-coding
chr6-5718	6.137824	-1.59764	1.012922	-1.57726	0.114736	0.981636	chr6	57180774	57181208	+	0	NA	intron (N	L1ME5|LIN	8665	NM_004282	9532	Hs.745046	NM_004282	ENSG00000	BAG2	BAG-2|dJ4	BCL2 asso	protein-coding
chr22-297	8.494316	1.309894	0.831059	1.576175	0.114986	0.981636	chr22	29792564	29793387	+	0	NA	intron (N	AluJb|SIN	25606	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr6-8968	7.390478	-1.41421	0.89771	-1.57535	0.115175	0.981636	chr6	89684808	89685007	+	0	NA	exon (NM_	exon (NM_	-46160	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr1-1235	123.0855	0.478808	0.304177	1.574112	0.115462	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1991822	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1570	3.752235	2.052116	1.304131	1.57355	0.115592	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	L1MB7|LIN	22387	NM_014784	9826	Hs.516954	NM_014784	ENSG00000	ARHGEF11	GTRAP48|R	Rho guani	protein-coding
chr17-288	5.89785	1.610917	1.02397	1.573207	0.115671	0.981636	chr17	28884584	28884809	+	0	NA	intron (N	intron (N	13037	NM_004475	2319	Hs.514038	NM_004475	ENSG00000	FLOT2	ECS-1|ECS	flotillin	protein-coding
chr10-413	12.17869	1.088909	0.692383	1.572698	0.115789	0.981636	chr10	41380177	41380376	+	0	NA	Intergeni	ALR/Alpha	987769	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-146	4.511815	1.851799	1.177498	1.572655	0.115799	0.981636	chr19	1460788	1461577	+	0	NA	intron (N	intron (N	8198	NM_001351	10297	Hs.446376	NM_005883	ENSG00000	APC2	APCL	APC regul	protein-coding
chr15-229	7.171584	1.432032	0.910683	1.572481	0.115839	0.981636	chr15	22938763	22939332	+	0	NA	intron (N	intron (N	-21734	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr2-1105	11.00665	1.150317	0.731905	1.571675	0.116026	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJb|SIN	34246	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr17-161	5.238114	1.714684	1.09146	1.571001	0.116182	0.981636	chr17	1612145	1614926	+	0	NA	intron (N	AluSq2|SI	-8501	NM_001284	124935	Hs.160550	NM_152346	ENSG00000	SLC43A2	LAT4	solute ca	protein-coding
chr20-623	5.238114	1.714684	1.09146	1.571001	0.116182	0.981636	chr20	62337136	62338572	+	0	NA	exon (NM_	exon (NM_	-5297	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr20-490	9.870643	1.24873	0.79498	1.570769	0.116236	0.981636	chr20	49010120	49010375	+	0	NA	exon (NM_	exon (NM_	35809	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr1-2329	8.468893	1.305669	0.831625	1.570021	0.11641	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	Tigger19b	19312	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|H	nucleosid	protein-coding
chr22-245	6.529414	1.499261	0.955071	1.569791	0.116464	0.981636	chr22	24588007	24588206	+	0	NA	intron (N	intron (N	4356	NM_013430	2678	Hs.595809	NM_005265	ENSG00000	GGT1	CD224|D22	gamma-glu	protein-coding
chr3-4854	6.503991	1.493892	0.951864	1.569439	0.116546	0.981636	chr3	48543057	48543398	+	0	NA	intron (N	intron (N	6794	NR_106881	1.02E+08		NR_106881	ENSG00000	MIR6823	hsa-mir-6	microRNA	ncRNA
chr1-1217	52.98617	0.631734	0.402736	1.568606	0.11674	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	231238	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-1048	5.964413	1.615306	1.030115	1.568083	0.116862	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	L2a|LINE|	78999	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr13-369	9.31646	-1.24737	0.796077	-1.5669	0.117138	0.981636	chr13	36961051	36961421	+	0	NA	intron (N	AluJb|SIN	38104	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr6-7511	9.31646	-1.24737	0.796077	-1.5669	0.117138	0.981636	chr6	75118545	75120315	+	0	NA	exon (NM_	exon (NM_	9352	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr19-204	7.1873	1.426507	0.910686	1.566409	0.117253	0.981636	chr19	2043343	2043706	+	0	NA	exon (NM_	exon (NM_	7720	NM_199054	2872	Hs.515032	NM_017572	ENSG00000	MKNK2	GPRK7|MNK	MAPK inte	protein-coding
chr19-263	278.7426	0.436297	0.278536	1.566394	0.117256	0.981636	chr19	26331628	26331985	+	0	NA	Intergeni	ALR/Alpha	-1461625	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-732	6.511849	1.490857	0.95179	1.566373	0.117261	0.981636	chr15	73236623	73237149	+	0	NA	intron (N	intron (N	-63024	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr1-2042	5.189117	1.720389	1.098418	1.566242	0.117292	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	HERVL-int	-21545	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra	protein-coding
chr11-868	9.349741	-1.2421	0.793092	-1.56615	0.117313	0.981636	chr11	86823779	86824051	+	0	NA	intron (N	AluY|SINE	23373	NM_001293	11098	Hs.25338	NM_007173	ENSG00000	PRSS23	SIG13|SPU	serine pr	protein-coding
chr1-1929	8.427753	1.305978	0.83412	1.565696	0.11742	0.981636	chr1	19294574	19294954	+	0	NA	non-codin	non-codin	972	NR_037847	1.01E+08		NR_037847		LOC100506	-	uncharact	ncRNA
chr1-1490	13.45058	1.043501	0.666861	1.564797	0.117631	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	51230	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr5-4954	30.50834	0.733374	0.468796	1.56438	0.117728	0.981636	chr5	49540158	49541162	+	0	NA	Intergeni	ALR/Alpha	900628	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-1163	6.478567	1.488564	0.951599	1.564277	0.117752	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	17868	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr9-1378	7.246006	1.433442	0.916861	1.563424	0.117953	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-24957	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-3202	8.095238	-1.35728	0.868386	-1.56299	0.118055	0.981636	chr1	32029351	32029612	+	0	NA	intron (N	AluSp|SIN	15613	NM_001271	10657	Hs.445893	NM_006559	ENSG00000	KHDRBS1	Sam68|p62	KH RNA bi	protein-coding
chr9-7032	10.57096	-1.16092	0.743018	-1.56244	0.118184	0.981636	chr9	70324418	70324821	+	0	NA	intron (N	MER21C|LT	65641	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr2-6978	5.907558	1.623818	1.039351	1.562339	0.118208	0.981636	chr2	69786629	69786881	+	0	NA	intron (N	AluJb|SIN	-42905	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr3-4750	5.907558	1.623818	1.039351	1.562339	0.118208	0.981636	chr3	47503975	47504185	+	0	NA	intron (N	L3|LINE|C	9265	NM_001363	54859	Hs.311100	NM_017713	ENSG00000	ELP6	C3orf75|T	elongator	protein-coding
chr19-564	6.486425	1.485531	0.951524	1.561212	0.118474	0.981636	chr19	56454208	56459634	+	0	NA	intron (N	intron (N	20424	NM_001321	63934	Hs.676605	NM_022103	ENSG00000	ZNF667	MIPU1	zinc fing	protein-coding
chr21-465	6.486425	1.485531	0.951524	1.561212	0.118474	0.981636	chr21	46562071	46562435	+	0	NA	intron (N	intron (N	42829	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr6-1573	76.65967	0.53923	0.345621	1.560178	0.118718	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	10024	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6o	transmemb	protein-coding
chr9-1151	7.325764	-1.41529	0.907281	-1.55992	0.118778	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	MLT1F2|LT	6404	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr9-1163	3.734669	2.037685	1.3067	1.559413	0.118899	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	85440	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr15-808	6.622854	-1.47111	0.943399	-1.55937	0.118909	0.981636	chr15	80862549	80863006	+	0	NA	intron (N	intron (N	-20704	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr17-160	6.622854	-1.47111	0.943399	-1.55937	0.118909	0.981636	chr17	16014542	16015330	+	0	NA	intron (N	intron (N	15112	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr12-770	6.630712	-1.47275	0.944853	-1.55871	0.119065	0.981636	chr12	77018763	77019238	+	0	NA	Intergeni	Intergeni	46569	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr15-847	5.352635	-1.71487	1.100797	-1.55784	0.119271	0.981636	chr15	84708763	84708974	+	0	NA	intron (N	intron (N	7271	NM_014300	23478	Hs.9534	NM_014300	ENSG00000	SEC11A	1810012E0	SEC11 hom	protein-coding
chr17-309	5.212691	1.708051	1.097463	1.556363	0.119622	0.981636	chr17	30934517	30935074	+	0	NA	intron (N	AluJb|SIN	12850	NM_018404	55803	Hs.514063	NM_018404	ENSG00000	ADAP2	CENTA2|HS	ArfGAP wi	protein-coding
chr22-385	5.212691	1.708051	1.097463	1.556363	0.119622	0.981636	chr22	38586224	38586962	+	0	NA	intron (N	intron (N	16093	NR_134627	1.05E+08	Hs.144041	NR_134627		LOC105373	-	uncharact	ncRNA
chr5-1731	6.521556	1.502524	0.96542	1.556343	0.119627	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	L1MA9|LIN	-43494	NM_001205	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr16-251	6.496133	1.497075	0.962166	1.555943	0.119722	0.981636	chr16	25134687	25134886	+	0	NA	intron (N	AluSz6|SI	14246	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr22-356	6.614996	-1.46948	0.944659	-1.55557	0.119811	0.981636	chr22	35662188	35663108	+	0	NA	3’ UTR (N	3’ UTR (N	14202	NM_030641	80830	Hs.257352	NM_030641	ENSG00000	APOL6	APOL-VI|A	apolipopr	protein-coding
chr3-1055	6.614996	-1.46948	0.944659	-1.55557	0.119811	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	169756	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr9-6924	6.614996	-1.46948	0.944659	-1.55557	0.119811	0.981636	chr9	69247271	69247470	+	0	NA	intron (N	intron (N	42215	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jun	protein-coding
chr19-792	8.502174	1.307557	0.840726	1.555272	0.119881	0.981636	chr19	7922623	7922863	+	0	NA	exon (NM_	exon (NM_	1761	NR_030717	6618	Hs.631860	NM_003083	ENSG00000	SNAPC2	PTFDELTA|	small nuc	protein-coding
chr21-269	9.658498	1.211601	0.779143	1.555044	0.119936	0.981636	chr21	26929528	26929764	+	0	NA	intron (N	intron (N	-24315	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr10-409	201.2087	0.798745	0.514106	1.553657	0.120266	0.981636	chr10	40980950	40981326	+	0	NA	Intergeni	ALR/Alpha	1386907	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-111	7.38447	-1.39968	0.901318	-1.55293	0.12044	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME4a|LI	5770	NM_001352	79796	Hs.745155	NM_024740	ENSG00000	ALG9	CDG1L|DIE	ALG9 alph	protein-coding
chr1-1738	9.390881	-1.23792	0.797455	-1.55234	0.120581	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-4068	NR_037605	1.01E+08	Hs.656411	NR_037605		GAS5-AS1	-	GAS5 anti	ncRNA
chr5-4798	144.9857	0.478829	0.308614	1.551547	0.120771	0.981636	chr5	47982825	47983163	+	0	NA	Intergeni	ALR/Alpha	-2286614	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-8424	6.171106	-1.58785	1.023481	-1.55142	0.120801	0.981636	chr7	84241090	84241295	+	0	NA	Intergeni	L1PA7|LIN	-46403	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr1-1510	6.461001	1.480174	0.954214	1.551197	0.120855	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4753	NM_001163	55793	Hs.743952	NM_018379	ENSG00000	MINDY1	FAM63A|MI	MINDY lys	protein-coding
chr13-757	6.648278	-1.46172	0.943153	-1.54982	0.121184	0.981636	chr13	75782817	75783016	+	0	NA	intron (N	MLT1D|LTR	22255	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr6-1444	6.648278	-1.46172	0.943153	-1.54982	0.121184	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	LTR12C|LT	88480	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr7-3586	6.648278	-1.46172	0.943153	-1.54982	0.121184	0.981636	chr7	35865464	35866286	+	0	NA	intron (N	L4_C_Mam|	64656	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr17-442	8.595984	-1.28268	0.827855	-1.54941	0.121284	0.981636	chr17	44207010	44207277	+	0	NA	TTS (NR_1	TTS (NR_1	696	NR_106840	1.02E+08		NR_106840	ENSG00000	MIR6782	hsa-mir-6	microRNA	ncRNA
chr20-635	8.595984	-1.28268	0.827855	-1.54941	0.121284	0.981636	chr20	63571906	63572549	+	0	NA	exon (NM_	exon (NM_	2012	NM_001037	85441	Hs.517180	NM_033405	ENSG00000	HELZ2	PDIP-1|PR	helicase	protein-coding
chr19-282	8.47675	1.303277	0.841308	1.549108	0.121356	0.981636	chr19	2824325	2824683	+	0	NA	intron (N	OldhAT1|D	4636	NM_001102	115196	Hs.307043	NM_152303	ENSG00000	ZNF554	-	zinc fing	protein-coding
chr5-4942	136.0957	0.486624	0.31414	1.549069	0.121365	0.981636	chr5	49423239	49423447	+	0	NA	Intergeni	ALR/Alpha	1017945	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-139	7.760159	1.344462	0.868196	1.54857	0.121485	0.981636	chr19	13923361	13923665	+	0	NA	intron (N	intron (N	14904	NM_001370	79883	Hs.448497	NM_024825	ENSG00000	PODNL1	SLRR5B	podocan l	protein-coding
chr13-113	8.61355	-1.27431	0.822971	-1.54843	0.121519	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	20006	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr20-564	8.61355	-1.27431	0.822971	-1.54843	0.121519	0.981636	chr20	56437324	56437525	+	0	NA	exon (NM_	exon (NM_	25164	NM_001164	57091	Hs.473144	NM_020356	ENSG00000	CASS4	C20orf32|	Cas scaff	protein-coding
chr1-1563	8.605692	-1.27301	0.822812	-1.54715	0.121827	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	Intergeni	AluJo|SIN	-6381	NM_001004	391104	Hs.532378	NM_001004	ENSG00000	VHLL	VHLP|VLP	VHL like	protein-coding
chr12-113	4.460968	1.83685	1.18764	1.546639	0.12195	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	19868	NM_001351	53373	Hs.524763	NM_017901	ENSG00000	TPCN1	TPC1	two pore	protein-coding
chr17-162	4.460968	1.83685	1.18764	1.546639	0.12195	0.981636	chr17	1623889	1625729	+	0	NA	intron (N	AluJo|SIN	3607	NM_001321	124935	Hs.160550	NM_152346	ENSG00000	SLC43A2	LAT4	solute ca	protein-coding
chr19-526	8.621408	-1.27561	0.825084	-1.54604	0.122095	0.981636	chr19	52659845	52660268	+	0	NA	intron (N	AluSx3|SI	-21665	NM_001277	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr14-203	6.64042	-1.46007	0.944413	-1.54601	0.122103	0.981636	chr14	20392995	20393194	+	0	NA	intron (N	AluY|SINE	20407	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr7-4479	6.64042	-1.46007	0.944413	-1.54601	0.122103	0.981636	chr7	44797720	44798762	+	0	NA	intron (N	intron (N	1560	NM_021130	5478	Hs.356331	NM_021130	ENSG00000	PPIA	CYPA|CYPH	peptidylp	protein-coding
chr9-4476	30.85934	0.711537	0.460366	1.545589	0.122204	0.981636	chr9	44764084	44764291	+	0	NA	Intergeni	ALR/Alpha	1638021	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-8395	8.57241	-1.27875	0.827382	-1.54554	0.122215	0.981636	chr1	8395774	8396086	+	0	NA	intron (N	intron (N	27902	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr1-1217	35.12074	0.691133	0.447792	1.543424	0.122728	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	256088	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1838	7.742594	1.337388	0.866646	1.543177	0.122788	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MB1|LIN	-3086	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr22-409	8.597834	-1.2717	0.82461	-1.54219	0.123029	0.981636	chr22	40954812	40955140	+	0	NA	intron (N	AluSx1|SI	3598	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr5-1432	8.597834	-1.2717	0.82461	-1.54219	0.123029	0.981636	chr5	14325187	14325482	+	0	NA	intron (N	MSTB1|LTR	-138649	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA

chr10-405	24.53054	0.833078	0.540727	1.540662	0.123399	0.981636	chr10	40595496	40596559	+	0	NA	Intergeni	ALR/Alpha	1772018	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr17-732	6.581715	-1.47754	0.959124	-1.54051	0.123436	0.981636	chr17	73238148	73238362	+	0	NA	intron (N	OldhAT1|D	5594	NR_110105	55028	Hs.12929	NM_017941	ENSG00000	C17orf80	HLC-8|MIC	chromosom	protein-coding
chr16-256	7.709312	1.335282	0.867362	1.539476	0.123688	0.981636	chr16	2566414	2566670	+	0	NA	intron (N	intron (N	28521	NM_001261	5170	Hs.459691	NM_002613	ENSG00000	PDPK1	PDK1|PDPK	3-phospho	protein-coding
chrX-1036	9.27532	-1.25164	0.813493	-1.5386	0.123902	0.981636	chrX	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	10491	NM_012286	9643	Hs.326387	NM_012286	ENSG00000	MORF4L2	MORFL2|MR	mortality	protein-coding
chr1-1454	10.46708	1.19458	0.776407	1.538601	0.123902	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	4389	NM_001278	1E+08	Hs.445080	NM_001278	ENSG00000	NBPF20	-	NBPF memb	protein-coding
chr1-1472	6.632562	-1.45837	0.948434	-1.53766	0.124132	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	AluJr|SIN	47742	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr2-4741	6.632562	-1.45837	0.948434	-1.53766	0.124132	0.981636	chr2	47415781	47416989	+	0	NA	exon (NM_	exon (NM_	13318	NM_001258	4436	Hs.597656	NM_000251	ENSG00000	MSH2	COCA1|FCC	mutS homo	protein-coding
chr9-1109	6.632562	-1.45837	0.948434	-1.53766	0.124132	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSz|SIN	121467	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr1-1489	7.71717	1.332801	0.867411	1.536528	0.124409	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSx|SIN	5598	NR_037182	653513	Hs.632434	NR_037182		LOC653513	-	phosphodi	pseudo
chr1-2365	7.71717	1.332801	0.867411	1.536528	0.124409	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	21632	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr3-1979	7.71717	1.332801	0.867411	1.536528	0.124409	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	16500	NR_026786	89782	Hs.518540	NM_033029	ENSG00000	LMLN	GP63|INV|	leishmano	protein-coding
chr10-113	6.435578	1.47473	0.959975	1.536218	0.124485	0.981636	chr10	1131133	1131676	+	0	NA	3’ UTR (N	3’ UTR (N	-28364	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr6-3018	6.435578	1.47473	0.959975	1.536218	0.124485	0.981636	chr6	30185523	30185722	+	0	NA	3’ UTR (N	3’ UTR (N	22076	NM_033229	89870	Hs.591789	NM_033229	ENSG00000	TRIM15	RNF93|ZNF	tripartit	protein-coding
chr11-882	4.600727	-1.86428	1.213578	-1.53619	0.124492	0.981636	chr11	88288155	88288354	+	0	NA	Intergeni	L1MA4A|LI	49482	NM_148170	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsin	protein-coding
chr10-494	5.760126	1.554611	1.012033	1.536127	0.124507	0.981636	chr10	49475788	49476646	+	0	NA	exon (NM_	exon (NM_	48064	NM_170753	267004	Hs.49063	NM_170753	ENSG00000	PGBD3	-	piggyBac	protein-coding
chr20-279	18.10871	0.893563	0.581838	1.535759	0.124597	0.981636	chr20	27966984	27967183	+	0	NA	Intergeni	ALR/Alpha	635582	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-278	32.22904	0.753299	0.490697	1.535161	0.124744	0.981636	chr20	27811246	27811523	+	0	NA	Intergeni	ALR/Alpha	791281	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-1057	6.59928	-1.46622	0.95559	-1.53436	0.12494	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA5|LIN	20736	NM_001031	79807	Hs.161429	NM_024751	ENSG00000	GSTCD	-	glutathio	protein-coding
chr8-3079	6.59928	-1.46622	0.95559	-1.53436	0.12494	0.981636	chr8	30798567	30799040	+	0	NA	intron (N	intron (N	14015	NM_001009	5516	Hs.491440	NM_004156	ENSG00000	PPP2CB	PP2Abeta|	protein p	protein-coding
chr5-1516	8.589976	-1.27037	0.828403	-1.53351	0.125149	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	MIR3|SINE	2590	NM_001309	6678	Hs.111779	NM_003118	ENSG00000	SPARC	BM-40|OI1	secreted	protein-coding
chr15-808	5.904228	-1.53866	1.003368	-1.5335	0.125153	0.981636	chr15	80817583	80819594	+	0	NA	intron (N	intron (N	23485	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr1-1569	5.734702	1.548667	1.011905	1.530447	0.125906	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-35133	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr1-2329	5.734702	1.548667	1.011905	1.530447	0.125906	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	26181	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|H	nucleosid	protein-coding
chr11-662	5.734702	1.548667	1.011905	1.530447	0.125906	0.981636	chr11	66241403	66242245	+	0	NA	intron (N	intron (N	-15470	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr18-549	5.734702	1.548667	1.011905	1.530447	0.125906	0.981636	chr18	54909856	54910155	+	0	NA	intron (N	MER52D|LT	48043	NM_001143	80323	Hs.120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-co	protein-coding
chr2-2594	5.734702	1.548667	1.011905	1.530447	0.125906	0.981636	chr2	25946555	25947153	+	0	NA	intron (N	AluSz|SIN	35643	NM_002254	3797	Hs.21611	NM_002254	ENSG00000	KIF3C	-	kinesin f	protein-coding
chr12-661	5.888512	-1.53504	1.00325	-1.53006	0.126001	0.981636	chr12	66165962	66166161	+	0	NA	intron (N	L1M3|LINE	4011	NM_001282	51643	Hs.505934	NM_016056	ENSG00000	TMBIM4	CGI-119|C	transmemb	protein-coding
chr14-553	5.888512	-1.53504	1.00325	-1.53006	0.126001	0.981636	chr14	55313567	55313817	+	0	NA	intron (N	THE1D|LTR	41538	NM_152231	55030	Hs.525348	NM_017943	ENSG00000	FBXO34	CGI-301|F	F-box pro	protein-coding
chr19-393	5.888512	-1.53504	1.00325	-1.53006	0.126001	0.981636	chr19	39366651	39366895	+	0	NA	intron (N	intron (N	24314	NM_001303	55095	Hs.612332	NM_018028	ENSG00000	SAMD4B	SMGB|Smau	sterile a	protein-coding
chr1-1246	13.96288	1.005914	0.657693	1.529457	0.126151	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3084509	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1504	11.49353	1.095612	0.716753	1.528577	0.126369	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-15673	NM_001271	80222	Hs.288974	NM_025150	ENSG00000	TARS2	COXPD21|T	threonyl-	protein-coding
chr1-1224	7.801299	1.344144	0.879572	1.528179	0.126468	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	968809	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4886	68.72361	0.535947	0.350835	1.527633	0.126604	0.981636	chr5	48860545	48860791	+	0	NA	Intergeni	ALR/Alpha	1580620	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-105	9.834772	-1.18249	0.774118	-1.52753	0.126629	0.981636	chr11	10589641	10590078	+	0	NA	intron (N	intron (N	-21194	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|H	lymphatic	protein-coding
chr2-1123	7.750452	1.334872	0.873934	1.527428	0.126655	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	54874	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr20-333	8.623258	-1.26459	0.82793	-1.52741	0.12666	0.981636	chr20	33376468	33376719	+	0	NA	intron (N	Tigger1|D	24926	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr1-4626	2.179822	-2.9561	1.936578	-1.52646	0.126896	0.981636	chr1	46265471	46266303	+	0	NA	intron (N	MIRb|SINE	18124	NM_003579	8438	Hs.642042	NM_003579	ENSG00000	RAD54L	HR54|RAD5	RAD54 lik	protein-coding
chr1-1243	125.4758	0.448112	0.293705	1.525722	0.127079	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2790635	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4791	22.11682	0.807174	0.52906	1.525676	0.127091	0.981636	chr5	47912961	47914327	+	0	NA	Intergeni	ALR/Alpha	-2217264	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-340	7.368754	-1.39629	0.915874	-1.52454	0.127374	0.981636	chr11	34057825	34058024	+	0	NA	intron (N	AluSq2|SI	6193	NM_005898	4076	Hs.471818	NM_005898	ENSG00000	CAPRIN1	GPIAP1|GF	cell cycl	protein-coding
chr12-934	10.56496	-1.15076	0.754916	-1.52436	0.127419	0.981636	chr12	93490996	93491195	+	0	NA	intron (N	AluSz|SIN	23581	NR_038160	28977	Hs.199579	NM_014050	ENSG00000	MRPL42	HSPC204|I	mitochond	protein-coding
chr2-2317	5.726844	1.55215	1.018272	1.524298	0.127434	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	L1ME3D|LI	13009	NM_001282	64708	Hs.335061	NM_022730	ENSG00000	COPS7B	CSN7B|SGN	COP9 sign	protein-coding
chr3-1843	5.767984	1.551154	1.01804	1.523667	0.127592	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	3470	NM_001171	1181	Hs.436847	NM_004366	ENSG00000	CLCN2	CIC-2|CLC	chloride	protein-coding
chr17-579	9.80334	-1.17781	0.773406	-1.52289	0.127787	0.981636	chr17	57997584	57998158	+	0	NA	Intergeni	Intergeni	9375	NM_001078	6426	Hs.68714	NM_006924	ENSG00000	SRSF1	ASF|SF2|S	serine ar	protein-coding
chr12-110	6.68156	-1.45358	0.95455	-1.52279	0.127812	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MB3|LIN	11775	NM_013300	29902	Hs.436618	NM_013300	ENSG00000	FAM216A	C12orf24|	family wi	protein-coding
chr8-1232	7.861642	-1.30994	0.860684	-1.52198	0.128014	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx1|SI	-15364	NM_032847	84933	Hs.707401	NM_032847	ENSG00000	C8orf76	-	chromosom	protein-coding
chr19-591	5.855231	-1.54403	1.01475	-1.52159	0.128112	0.981636	chr19	5910020	5910292	+	0	NA	3’ UTR (N	3’ UTR (N	-4098	NM_080590	828	Hs.584744	NM_004058	ENSG00000	CAPS	CAPS1	calcyphos	protein-coding
chr12-120	5.880654	-1.53319	1.008012	-1.521	0.12826	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	TTS (NM_0	TTS (NM_0	8329	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG00000	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr2-8745	5.880654	-1.53319	1.008012	-1.521	0.12826	0.981636	chr2	87457904	87459725	+	0	NA	intron (N	intron (N	3387	NR_024206	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr6-1066	5.880654	-1.53319	1.008012	-1.521	0.12826	0.981636	chr6	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	-19671	NM_001318	84816	Hs.155839	NM_032730	ENSG00000	RTN4IP1	NIMP|OPA1	reticulon	protein-coding
chr8-1887	7.725028	1.330238	0.874715	1.520769	0.128318	0.981636	chr8	18871055	18871291	+	0	NA	intron (N	intron (N	15884	NM_001362	23362	Hs.434255	NM_015310	ENSG00000	PSD3	EFA6D|EFA	pleckstri	protein-coding
chr14-885	7.853784	-1.30853	0.860542	-1.52059	0.128363	0.981636	chr14	88584956	88585875	+	0	NA	intron (N	AluSc5|SI	-9005	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr4-1222	7.409893	-1.39056	0.914541	-1.5205	0.128385	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-104183	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr19-402	5.709279	1.542693	1.015268	1.519493	0.128638	0.981636	chr19	4026606	4027442	+	0	NA	intron (N	AluY|SINE	19288	NM_015897	51588	Hs.105779	NM_015897	ENSG00000	PIAS4	PIAS-gamm	protein i	protein-coding
chr3-1291	5.709279	1.542693	1.015268	1.519493	0.128638	0.981636	chr3	12912969	12913578	+	0	NA	intron (N	MLT1K|LTR	-28062	NR_136189	1.05E+08	Hs.561179	NR_136189	ENSG00000	LINC02022	-	long inte	ncRNA
chr3-3840	5.709279	1.542693	1.015268	1.519493	0.128638	0.981636	chr3	38401326	38401834	+	0	NA	intron (N	LTR16A|LT	-52310	NM_001106	93	Hs.174273	NM_001106	ENSG00000	ACVR2B	ACTRIIB|A	activin A	protein-coding
chr6-4285	5.709279	1.542693	1.015268	1.519493	0.128638	0.981636	chr6	42855320	42855544	+	0	NA	intron (N	AluJb|SIN	-24184	NR_134562	285855	Hs.520133	NM_198486	ENSG00000	RPL7L1	dJ475N16.	ribosomal	protein-coding
chr9-9679	5.709279	1.542693	1.015268	1.519493	0.128638	0.981636	chr9	96794867	96795685	+	0	NA	Intergeni	THE1C|LTR	-17147	NM_014930	22869	Hs.75264	NM_014930	ENSG00000	ZNF510	-	zinc fing	protein-coding
chr7-5914	15.67265	0.941149	0.619392	1.519472	0.128644	0.981636	chr7	59149122	59149760	+	0	NA	Intergeni	ALR/Alpha	1699264	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1804	8.981196	1.228335	0.808776	1.518757	0.128824	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx|SIN	15945	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr5-4759	23.30458	0.792568	0.522317	1.517408	0.129164	0.981636	chr5	47594060	47594502	+	0	NA	Intergeni	ALR/Alpha	-1897901	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-200	7.828361	-1.31634	0.867566	-1.51728	0.129196	0.981636	chr11	20045529	20045908	+	0	NA	intron (N	intron (N	3585	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr16-839	7.828361	-1.31634	0.867566	-1.51728	0.129196	0.981636	chr16	83988	84239	+	0	NA	intron (N	intron (N	5888	NM_001015	4350	Hs.459596	NM_002434	ENSG00000	MPG	AAG|ADPG|	N-methylp	protein-coding
chr2-1379	6.591423	-1.46456	0.96563	-1.51669	0.129345	0.981636	chr2	1.38E+08	1.38E+08	+	0	NA	intron (N	L1PA8A|LI	27660	NM_001024	3176	Hs.42151	NM_006895	ENSG00000	HNMT	HMT|HNMT-	histamine	protein-coding
chr1-2246	6.443436	1.471417	0.970335	1.516402	0.129418	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	L1M6|LINE	65039	NR_136287	149111	Hs.731723	NM_152495	ENSG00000	CNIH3	CNIH-3	cornichon	protein-coding
chr10-751	6.443436	1.471417	0.970335	1.516402	0.129418	0.981636	chr10	75124854	75125095	+	0	NA	intron (N	AluJb|SIN	13318	NM_144660	142891	Hs.744986	NM_144660	ENSG00000	SAMD8	HEL-177|S	sterile a	protein-coding
chr19-581	6.443436	1.471417	0.970335	1.516402	0.129418	0.981636	chr19	58145848	58146286	+	0	NA	intron (N	L1MC4|LIN	4722	NM_024620	79673	Hs.458377	NM_024620	ENSG00000	ZNF329	-	zinc fing	protein-coding
chr15-717	5.921794	-1.52605	1.007253	-1.51506	0.129758	0.981636	chr15	71748884	71749329	+	0	NA	intron (N	intron (N	-57567	NR_120346	1.02E+08	Hs.680593	NR_120346		THSD4-AS2	-	THSD4 ant	ncRNA
chr11-520	16.19466	0.9173	0.605918	1.513901	0.130051	0.981636	chr11	52071751	52072540	+	0	NA	Intergeni	ALR/Alpha	1662998	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr6-7514	9.795482	-1.17666	0.777437	-1.51352	0.130149	0.981636	chr6	75144363	75146237	+	0	NA	intron (N	intron (N	-16518	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr11-466	5.701421	1.546158	1.021683	1.513345	0.130192	0.981636	chr11	46629118	46629623	+	0	NA	intron (N	L1ME1|LIN	12094	NM_001346	9776	Hs.127403	NM_014741	ENSG00000	ATG13	KIAA0652|	autophagy	protein-coding
chr19-185	5.701421	1.546158	1.021683	1.513345	0.130192	0.981636	chr19	18562050	18562401	+	0	NA	intron (N	intron (N	4355	NM_024069	79036	Hs.714548	NM_024069	ENSG00000	KXD1	BORCS4|C1	KxDL moti	protein-coding
chr12-112	7.887066	-1.30225	0.860825	-1.51279	0.130333	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	8648	NM_006187	4940	Hs.528634	NM_006187	ENSG00000	OAS3	p100|p100	2’-5’-oli	protein-coding
chr9-7027	7.887066	-1.30225	0.860825	-1.51279	0.130333	0.981636	chr9	70270638	70270956	+	0	NA	intron (N	AluSx1|SI	11819	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr2-4746	5.136605	-1.63417	1.080348	-1.51263	0.130373	0.981636	chr2	47464091	47465110	+	0	NA	intron (N	intron (N	61533	NM_001258	4436	Hs.597656	NM_000251	ENSG00000	MSH2	COCA1|FCC	mutS homo	protein-coding
chr7-2733	5.136605	-1.63417	1.080348	-1.51263	0.130373	0.981636	chr7	2733815	2734386	+	0	NA	intron (N	intron (N	29040	NM_001282	2768	Hs.487341	NM_007353	ENSG00000	GNA12	NNX3|RMP|	G protein	protein-coding
chr8-1332	7.879208	-1.30083	0.860683	-1.5114	0.130687	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	29854	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chr16-235	6.657986	-1.44848	0.958454	-1.51126	0.130722	0.981636	chr16	23541142	23541390	+	0	NA	intron (N	AluSx1|SI	16084	NM_001083	124454	Hs.620541	NM_001083	ENSG00000	EARS2	COXPD12|M	glutamyl-	protein-coding
chr2-1974	6.657986	-1.44848	0.958454	-1.51126	0.130722	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJb|SIN	6845	NM_001005	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MD	splicing	protein-coding
chr2-1330	5.913936	-1.52418	1.008798	-1.51089	0.130817	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	MER44D|DN	130233	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr15-808	7.894924	-1.30364	0.863185	-1.51027	0.130976	0.981636	chr15	80875275	80876133	+	0	NA	intron (N	intron (N	-33631	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr7-9392	6.565999	-1.47454	0.976373	-1.51022	0.130988	0.981636	chr7	93927271	93927641	+	0	NA	3’ UTR (N	3’ UTR (N	5721	NM_004126	2791	Hs.83381	NM_004126	ENSG00000	GNG11	GNGT11	G protein	protein-coding
chr12-507	7.016295	1.376084	0.911616	1.5095	0.131171	0.981636	chr12	50727497	50728980	+	0	NA	intron (N	AluSp|SIN	-35863	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr3-1569	9.242039	-1.2576	0.834109	-1.50772	0.131627	0.981636	chr3	15692572	15692771	+	0	NA	intron (N	intron (N	4700	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr9-7792	5.847373	-1.5423	1.023039	-1.50757	0.131665	0.981636	chr9	77920876	77921178	+	0	NA	intron (N	intron (N	110784	NM_002072	2776	Hs.269782	NM_002072	ENSG00000	GNAQ	CMC1|G-AL	G protein	protein-coding
chr10-751	6.437428	1.489612	0.988323	1.507212	0.131756	0.981636	chr10	75172839	75173060	+	0	NA	intron (N	intron (N	-37205	NM_003375	7417	Hs.355927	NM_003375	ENSG00000	VDAC2	POR	voltage d	protein-coding
chr17-591	5.169886	-1.62381	1.077386	-1.50718	0.131765	0.981636	chr17	59117464	59117754	+	0	NA	intron (N	AluJr|SIN	-10729	NR_148346	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr5-1383	5.169886	-1.62381	1.077386	-1.50718	0.131765	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	40922	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr6-1544	5.169886	-1.62381	1.077386	-1.50718	0.131765	0.981636	chr6	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	5562	NM_001368	154043	Hs.16064	NM_173515	ENSG00000	CNKSR3	CNK3|CNK3	CNKSR fam	protein-coding
chr9-1150	5.169886	-1.62381	1.077386	-1.50718	0.131765	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	82486	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|D	tenascin	protein-coding
chr1-2084	5.872797	-1.53129	1.016047	-1.50711	0.131784	0.981636	chr1	20842439	20842767	+	0	NA	intron (N	AluSp|SIN	-55915	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr10-510	5.717137	1.539132	1.021325	1.506995	0.131812	0.981636	chr10	5105677	5105979	+	0	NA	intron (N	intron (N	11414	NM_003739	8644	Hs.78183	NM_003739	ENSG00000	AKR1C3	DD3|DDX|H	aldo-keto	protein-coding
chr2-1094	5.717137	1.539132	1.021325	1.506995	0.131812	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-142476	NR_036224	1E+08		NR_036224	ENSG00000	MIR4266	-	microRNA	ncRNA
chr19-374	6.990871	1.371045	0.909915	1.506783	0.131866	0.981636	chr19	37412755	37413455	+	0	NA	exon (NM_	exon (NM_	42006	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr12-350	24.9039	0.757815	0.50294	1.506771	0.131869	0.981636	chr12	35030728	35030959	+	0	NA	Intergeni	ALR/Alpha	1008347	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr21-413	2.939587	-2.27421	1.511318	-1.50479	0.132379	0.981636	chr21	41396689	41397605	+	0	NA	intron (N	intron (N	-23411	NM_001144	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr1-1014	5.683855	1.536619	1.022136	1.50334	0.132751	0.981636	chr1	10146884	10147345	+	0	NA	intron (N	intron (N	-63456	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr19-579	5.683855	1.536619	1.022136	1.50334	0.132751	0.981636	chr19	57991147	57991373	+	0	NA	intron (N	intron (N	11560	NM_001348	80095	Hs.654967	NM_025027	ENSG00000	ZNF606	ZNF328	zinc fing	protein-coding
chr6-4296	5.683855	1.536619	1.022136	1.50334	0.132751	0.981636	chr6	42964852	42965098	+	0	NA	intron (N	intron (N	4221	NM_018960	27232	Hs.144914	NM_018960	ENSG00000	GNMT	HEL-S-182	glycine N	protein-coding
chr6-1473	5.128747	-1.63215	1.085979	-1.50293	0.132858	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1MEg|LIN	-133687	NM_001030	389432	Hs.567973	NM_001030	ENSG00000	SAMD5	dJ875H10.	sterile a	protein-coding
chr9-3664	5.128747	-1.63215	1.085979	-1.50293	0.132858	0.981636	chr9	36643083	36644037	+	0	NA	intron (N	intron (N	70665	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr16-897	5.162029	-1.62174	1.07928	-1.50261	0.13294	0.981636	chr16	89775309	89775717	+	0	NA	intron (N	intron (N	41134	NM_000135	2175	Hs.744083	NM_000135	ENSG00000	FANCA	FA|FA-H|F	FA comple	protein-coding
chr8-5888	5.162029	-1.62174	1.07928	-1.50261	0.13294	0.981636	chr8	58887754	58889264	+	0	NA	intron (N	L1ME4b|LI	-228656	NM_003580	8439	Hs.372000	NM_003580	ENSG00000	NSMAF	FAN|GRAMD	neutral s	protein-coding
chr9-7830	5.162029	-1.62174	1.07928	-1.50261	0.13294	0.981636	chr9	78302527	78303547	+	0	NA	intron (N	intron (N	5912	NM_021154	29968	Hs.494261	NM_021154	ENSG00000	PSAT1	EPIP|NLS2	phosphose	protein-coding
chr3-1619	6.502141	1.47893	0.98516	1.501207	0.133302	0.981636	chr3	16195886	16196507	+	0	NA	intron (N	LTR16A2|L	-20580	NM_001319	117248	Hs.411308	NM_054110	ENSG00000	GALNT15	GALNACT15	polypepti	protein-coding
chr1-2146	4.417979	-1.75937	1.172207	-1.50091	0.13338	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	27681	NM_016343	1063	Hs.497741	NM_016343	ENSG00000	CENPF	CENF|CILD	centromer	protein-coding
chr13-757	4.417979	-1.75937	1.172207	-1.50091	0.13338	0.981636	chr13	75763569	75764415	+	0	NA	intron (N	intron (N	3331	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr4-1423	4.417979	-1.75937	1.172207	-1.50091	0.13338	0.981636	chr4	1.42E+08	1.42E+08	+	0	NA	intron (N	LTR27E|LT	510320	NM_001101	8821	Hs.176376	NM_003866	ENSG00000	INPP4B	-	inositol	protein-coding
chr7-1390	4.417979	-1.75937	1.172207	-1.50091	0.13338	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	Intergeni	Intergeni	12837	NM_080660	92092	Hs.512833	NM_080660	ENSG00000	ZC3HAV1L	C7orf39	zinc fing	protein-coding
chr9-1013	4.417979	-1.75937	1.172207	-1.50091	0.13338	0.981636	chr9	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MA4|LIN	2917	NM_019051	54534	Hs.288224	NM_019051	ENSG00000	MRPL50	MRP-L50	mitochond	protein-coding
chr11-535	17.879	0.86781	0.578551	1.499971	0.133622	0.981636	chr11	53509604	53509886	+	0	NA	Intergeni	ALR/Alpha	1094253	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-1655	6.965447	1.366013	0.91094	1.499565	0.133727	0.981636	chr2	16558441	16559893	+	0	NA	intron (N	Charlie17	106667	NM_030797	81553	Hs.467769	NM_030797	ENSG00000	FAM49A	-	family wi	protein-coding
chr9-7038	6.965447	1.366013	0.91094	1.499565	0.133727	0.981636	chr9	70385922	70387950	+	0	NA	3’ UTR (N	3’ UTR (N	27721	NM_001206	687	Hs.150557	NM_001206	ENSG00000	KLF9	BTEB|BTEB	Kruppel l	protein-coding
chr10-145	2.931729	-2.27087	1.515482	-1.49845	0.134017	0.981636	chr10	14569579	14570365	+	0	NA	intron (N	intron (N	2027	NM_001282	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr16-466	2.931729	-2.27087	1.515482	-1.49845	0.134017	0.981636	chr16	46614194	46615176	+	0	NA	intron (N	intron (N	6694	NM_024745	79801	Hs.123253	NM_024745	ENSG00000	SHCBP1	PAL	SHC bindi	protein-coding
chr9-3303	6.650128	-1.44656	0.965492	-1.49826	0.134067	0.981636	chr9	33039741	33040384	+	0	NA	TTS (NM_0	TTS (NM_0	14789	NM_001539	3301	Hs.445203	NM_001539	ENSG00000	DNAJA1	DJ-2|DjA1	DnaJ heat	protein-coding
chr12-698	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr12	6982430	6982629	+	0	NA	intron (N	MIR3|SINE	11616	NM_001320	10436	Hs.558447	NM_006331	ENSG00000	EMG1	C2F|Grcc2	EMG1 N1-s	protein-coding
chr12-537	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr12	53713537	53725176	+	0	NA	intron (N	AluSz|SIN	8096	NR_026554	57658	Hs.156667	NM_020898	ENSG00000	CALCOCO1	Cocoa|PP1	calcium b	protein-coding
chr15-653	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr15	65392876	65393944	+	0	NA	exon (NM_	exon (NM_	-15408	NM_004884	9543	Hs.128292	NM_004884	ENSG00000	IGDCC3	HsT18880|	immunoglo	protein-coding
chr19-198	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr19	1985584	1985961	+	0	NA	3’ UTR (N	3’ UTR (N	29942	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr5-4912	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr5	49126016	49126865	+	0	NA	Intergeni	ALR/Alpha	1314848	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-1163	6.998729	1.368289	0.914112	1.49685	0.134432	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	67072	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr11-183	7.863492	-1.2979	0.867112	-1.49681	0.134442	0.981636	chr11	18327420	18328442	+	0	NA	intron (N	AluSg|SIN	5364	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding

chrX-4135	7.863492	-1.2979	0.867112	-1.49681	0.134442	0.981636	chrX	41350482	41350707	+	0	NA	TTS (NM_C	TTS (NM_C	16428	NM_001363	1654	Hs.728563	NM_001356	ENSG0000	DDX3X	CAP-Rf|DE	DEAD-box	protein-coding
chr22-418	6.418012	1.465715	0.979571	1.496282	0.13458	0.981636	chr22	41882548	41882860	+	0	NA	intron (N	AluSq|SIN	-18240	NR_029507	407039		NR_029507	ENSG0000	MIR33A	MIR33|MIF	microRNA	ncRNA
chr9-1146	6.418012	1.465715	0.979571	1.496282	0.13458	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	exon (NM_	exon (NM_	14557	NM_001354	1.05E+08	Hs.147369	NM_001354	ENSG0000	TEX53	-	testis ex	protein-coding
chr19-170	3.666071	-1.9613	1.310797	-1.49627	0.134584	0.981636	chr19	17066684	17067411	+	0	NA	intron (N	AluSz|SIN	8405	NM_033417	93323	Hs.404088	NM_033417	ENSG0000	HAUS8	DGT4|HICE	HAUS augm	protein-coding
chr1-4267	4.410121	-1.75702	1.174586	-1.49586	0.134689	0.981636	chr1	42675312	42675684	+	0	NA	intron (N	intron (N	-6920	NM_004559	4904	Hs.473583	NM_004559	ENSG0000	YBX1	BP-8|CBF-	Y-box bir	protein-coding
chr1-2146	4.410121	-1.75702	1.174586	-1.49586	0.134689	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	16441	NM_016343	1063	Hs.497741	NM_016343	ENSG0000	CENPF	CENF|CILD	centromer	protein-coding
chr12-646	4.410121	-1.75702	1.174586	-1.49586	0.134689	0.981636	chr12	64615259	64616199	+	0	NA	intron (N	AluSq2|SI	5234	NM_178169	283349	Hs.643605	NM_178169	ENSG0000	RASSF3	RASSF5	Ras assoc	protein-coding
chr17-617	4.410121	-1.75702	1.174586	-1.49586	0.134689	0.981636	chr17	61768931	61770098	+	0	NA	intron (N	intron (N	94045	NM_032043	83990	Hs.128903	NM_032043	ENSG0000	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr1-2352	6.957589	1.368769	0.915155	1.495669	0.13474	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSp|SIN	-57750	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr10-405	30.13119	0.701881	0.469553	1.494787	0.13497	0.981636	chr10	40598964	40599627	+	0	NA	Intergeni	ALR/Alpha	1768750	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr19-520	7.67418	1.320775	0.88367	1.494647	0.135007	0.981636	chr19	5207543	5207849	+	0	NA	intron (N	intron (N	133116	NM_130854	5802	Hs.744928	NM_002850	ENSG0000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr1-3828	4.990838	1.62872	1.090568	1.49346	0.135317	0.981636	chr1	3828979	3829334	+	0	NA	intron (N	intron (N	28055	NM_014704	9731	Hs.133089	NM_014704	ENSG0000	CEP104	CFAP256|C	centrosom	protein-coding
chr16-155	4.990838	1.62872	1.090568	1.49346	0.135317	0.981636	chr16	1557202	1558082	+	0	NA	intron (N	intron (N	-22885	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG0000	LOC105371	-	uncharact	ncRNA
chr8-9494	4.990838	1.62872	1.090568	1.49346	0.135317	0.981636	chr8	94942211	94944383	+	0	NA	intron (N	AluJo|SIN	6081	NM_001135	94241	Hs.492261	NM_033285	ENSG0000	TP53INP1	SIP|TP53D	tumor prc	protein-coding
chrX-1295	4.990838	1.62872	1.090568	1.49346	0.135317	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	18826	NM_001587	4952	Hs.126357	NM_000276	ENSG0000	OCRL	INPP5F|LC	OCRL inos	protein-coding
chr7-1165	4.433695	-1.76407	1.181385	-1.49322	0.13538	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	TTS (NM_1	TTS (NM_1	9229	NM_001206	858	Hs.212332	NM_001233	ENSG0000	CAV2	CAV	caveolin	protein-coding
chr18-487	8.221616	1.248557	0.836356	1.492854	0.135475	0.981636	chr18	48718711	48719456	+	0	NA	intron (N	L3|LINE|C	48483	NR_039897	1.01E+08		NR_039897	ENSG0000	MIR4743	-	microRNA	ncRNA
chr11-201	5.154171	-1.61957	1.085066	-1.4926	0.135541	0.981636	chr11	20100414	20101419	+	0	NA	intron (N	intron (N	-51613	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG0000	NAV2-AS2	-	NAV2 anti	ncRNA
chr7-1433	5.154171	-1.61957	1.085066	-1.4926	0.135541	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	2364	NR_106952	1.02E+08		NR_106952	ENSG0000	MIR6892	hsa-mir-6	microRNA	ncRNA
chr13-110	7.394178	-1.38688	0.929309	-1.49238	0.135599	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	AluY|SINE	71708	NM_001845	1282	Hs.17441	NM_001845	ENSG0000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr4-8027	7.394178	-1.38688	0.929309	-1.49238	0.135599	0.981636	chr4	80275267	80275866	+	0	NA	intron (N	intron (N	7301	NM_001291	2250	Hs.37055	NM_004464	ENSG0000	FGF5	HBGF-5|Sm	fibroblas	protein-coding
chr1-1721	4.384697	-1.77203	1.18741	-1.49235	0.135607	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	non-codir	non-codir	-2643	NR_029627	406996		NR_029627	ENSG0000	MIR214	MIRN214|m	microRNA	ncRNA
chr8-1327	7.109735	-1.35343	0.907083	-1.49207	0.135681	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	15597	NM_016018	51105	Hs.304362	NM_016018	ENSG0000	PHF20L1	CGI-72|TD	PHD finge	protein-coding
chr17-599	7.732886	1.327472	0.890474	1.490748	0.136028	0.981636	chr17	59920023	59920247	+	0	NA	intron (N	AluSx1|SI	27014	NR_161462	6198	Hs.463642	NM_003161	ENSG0000	RPS6KB1	PS6K|S6K|	ribosomal	protein-coding
chr3-1018	7.732886	1.327472	0.890474	1.490748	0.136028	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-6368	NM_001005	64332	Hs.319171	NM_031419	ENSG0000	NFKBIZ	IKBZ|INAP	NFKB inhi	protein-coding
chr16-465	3.658213	-1.95859	1.313926	-1.49064	0.136057	0.981636	chr16	46589953	46591522	+	0	NA	intron (N	L1PA5|LIN	-21640	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr3-4485	3.658213	-1.95859	1.313926	-1.49064	0.136057	0.981636	chr3	44853426	44854978	+	0	NA	TTS (NM_C	TTS (NM_C	-7686	NR_030290	693149		NR_030290	ENSG0000	MIR564	MIRN564|h	microRNA	ncRNA
chr9-1073	3.658213	-1.95859	1.313926	-1.49064	0.136057	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	Intergeni	L1MC4|LIN	51624	NM_001244	5887	Hs.521640	NM_002874	ENSG0000	RAD23B	HHR23B|HF	RAD23 hom	protein-coding
chr10-130	7.101877	-1.35188	0.906964	-1.49055	0.13608	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	35496	NM_001321	10539	Hs.42644	NM_006541	ENSG0000	GLRX3	GLRX4|GRX	glutaredc	protein-coding
chr6-1308	7.101877	-1.35188	0.906964	-1.49055	0.13608	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSx|SIN	30302	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG0000	SMLR1	-	small leu	protein-coding
chr2-2013	5.775842	1.547492	1.038552	1.490048	0.136212	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	13422	NR_110620	130540	Hs.107944	NM_139163	ENSG0000	FLACC1	ALS2CR12	flagellum	protein-coding
chr14-733	7.804787	-1.31226	0.880871	-1.48973	0.136294	0.981636	chr14	73316447	73316652	+	0	NA	intron (N	intron (N	-70548	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr9-9229	7.804787	-1.31226	0.880871	-1.48973	0.136294	0.981636	chr9	92290076	92290393	+	0	NA	intron (N	L1MB7|LIN	2313	NR_037424	1.01E+08		NR_037424	ENSG0000	MIR3651	mir-3651	microRNA	ncRNA
chr1-2357	6.973305	1.363225	0.915148	1.489623	0.136323	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-66741	NM_001098	2786	Hs.159711	NM_004485	ENSG0000	GNG4	-	G proteir	protein-coding
chr19-124	6.973305	1.363225	0.915148	1.489623	0.136323	0.981636	chr19	12458423	12458962	+	0	NA	Intergeni	AluSc|SIN	-17671	NM_005815	10224	Hs.636894	NM_005815	ENSG0000	ZNF443	ZK1	zinc fing	protein-coding
chr8-9197	6.973305	1.363225	0.915148	1.489623	0.136323	0.981636	chr8	91970184	91970618	+	0	NA	intron (N	intron (N	47279	NM_175636	862	Hs.368431	NM_004349	ENSG0000	RUNX1T1	AML1-MTG8	RUNX1 par	protein-coding
chr9-1163	6.973305	1.363225	0.915148	1.489623	0.136323	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	L2b|LINE|	45893	NR_103711	493913	Hs.728832	NR_103711	ENSG0000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr9-1151	7.135158	-1.34488	0.902893	-1.48952	0.136351	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	4210	NM_002160	3371	Hs.143250	NM_002160	ENSG0000	TNC	150-225|I	tenascin	protein-coding
chr11-534	10.68311	1.094523	0.735138	1.488868	0.136522	0.981636	chr11	53416348	53416621	+	0	NA	Intergeni	ALR/Alpha	1187514	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr1-1852	8.254898	1.250639	0.840011	1.488837	0.13653	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1MA6|LIN	65886	NM_017673	54823	Hs.134183	NM_017673	ENSG0000	SWT1	C1orf26|H	SWT1 RNA	protein-coding
chr1-1558	9.452361	1.160716	0.780036	1.488028	0.136744	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	-32019	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr22-219	7.1273	-1.34333	0.902773	-1.48801	0.13675	0.981636	chr22	21961272	21961538	+	0	NA	intron (N	intron (N	-8557	NM_014634	9647	Hs.112728	NM_014634	ENSG0000	PPM1F	CAMKP|CaM	protein p	protein-coding
chr17-637	6.940024	1.360938	0.914741	1.487786	0.136807	0.981636	chr17	63738492	63738766	+	0	NA	intron (N	AluSx3|SI	3170	NM_001003	92335	Hs.514402	NM_153335	ENSG0000	STRADA	LYK5|NY-B	STE20 rel	protein-coding
chr3-5673	6.940024	1.360938	0.914741	1.487786	0.136807	0.981636	chr3	56736988	56737247	+	0	NA	intron (N	intron (N	38600	NM_001128	50650	Hs.476402	NM_019555	ENSG0000	ARHGEF3	GEF3|STA3	Rho guani	protein-coding
chr6-4321	6.940024	1.360938	0.914741	1.487786	0.136807	0.981636	chr6	43216546	43217457	+	0	NA	intron (N	intron (N	12480	NM_199184	10591	Hs.109752	NM_006443	ENSG0000	DNPH1	C6orf108|	2’-deoxyr	protein-coding
chr10-145	5.821949	-1.55403	1.044645	-1.48762	0.136852	0.981636	chr10	14576375	14576695	+	0	NA	intron (N	AluSg|SIN	-4160	NM_001282	83641	Hs.446315	NM_031453	ENSG0000	FAM107B	C10orf45|	family wi	protein-coding
chr3-3146	5.821949	-1.55403	1.044645	-1.48762	0.136852	0.981636	chr3	3146781	3146980	+	0	NA	intron (N	MIR|SINE|	19940	NR_159940	51095	Hs.732725	NM_016000	ENSG0000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr18-352	5.89822	-1.52013	1.021903	-1.48755	0.13687	0.981636	chr18	35283375	35283974	+	0	NA	intron (N	MER52A|LT	6555	NM_001112	1E+08	Hs.619840	NM_001112	ENSG0000	ZSCAN30	ZNF-WYM|Z	zinc fing	protein-coding
chr1-2783	5.864939	-1.52932	1.028196	-1.48738	0.136914	0.981636	chr1	27837275	27837474	+	0	NA	intron (N	AluY|SINE	2973	NR_002997	677774	Hs.689694	NR_002997	ENSG0000	SCARNA1	ACA35	small Ca	ncRNA
chr17-752	5.864939	-1.52932	1.028196	-1.48738	0.136914	0.981636	chr17	75230579	75230800	+	0	NA	intron (N	L1MA9|LIN	25010	NM_024844	79902	Hs.362817	NM_024844	ENSG0000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr10-145	5.120889	-1.63012	1.096132	-1.48715	0.136974	0.981636	chr10	14536770	14537475	+	0	NA	intron (N	intron (N	1420	NM_001320	83641	Hs.446315	NM_031453	ENSG0000	FAM107B	C10orf45|	family wi	protein-coding
chr11-748	5.120889	-1.63012	1.096132	-1.48715	0.136974	0.981636	chr11	74830973	74831489	+	0	NA	intron (N	L1M4|LINE	82382	NM_001098	254225	Hs.370145	NM_001098	ENSG0000	RNF169	-	ring fing	protein-coding
chr19-160	9.110138	-1.18817	0.799119	-1.48685	0.137053	0.981636	chr19	16077684	16078691	+	0	NA	intron (N	intron (N	1171	NM_001367	7171	Hs.631618	NM_003290	ENSG0000	TPM4	HEL-S-108	tropomyos	protein-coding
chr15-663	7.143016	-1.34642	0.90555	-1.48685	0.137054	0.981636	chr15	66348542	66348941	+	0	NA	intron (N	AluJr|SIN	-1399	NR_004388	692149		NR_004388	ENSG0000	SCARNA14	U100	small Ca	ncRNA
chr22-287	3.691495	-1.9429	1.307709	-1.48573	0.137351	0.981636	chr22	28779467	28779807	+	0	NA	intron (N	intron (N	6500	NM_001284	150275	Hs.406460	NM_173510	ENSG0000	CCDC117	dJ366L4.1	coiled-cc	protein-coding
chr5-8063	3.691495	-1.9429	1.307709	-1.48573	0.137351	0.981636	chr5	80638804	80639657	+	0	NA	intron (N	MER30|DNA	11778	NM_001190	1E+08		NM_001190470		MTRNR2L2	HN2	MT-RNR2 l	protein-coding
chr15-413	4.402263	-1.75463	1.181728	-1.4848	0.137598	0.981636	chr15	41371991	41373492	+	0	NA	intron (N	intron (N	29755	NR_045620	51103	Hs.106529	NM_016013	ENSG0000	NDUFAF1	CGI-65|CC	NADH:ubic	protein-coding
chr15-433	4.402263	-1.75463	1.181728	-1.4848	0.137598	0.981636	chr15	43328257	43328946	+	0	NA	exon (NM_	exon (NM_	-1750	NM_001324	161823	Hs.533913	NM_001012	ENSG0000	ADAL	-	adenosine	protein-coding
chr3-1604	4.402263	-1.75463	1.181728	-1.4848	0.137598	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	1136	NR_029525	406951		NR_029525	ENSG0000	MIR16-2	MIRN16-2|	microRNA	ncRNA
chr8-2548	4.402263	-1.75463	1.181728	-1.4848	0.137598	0.981636	chr8	25486154	25487343	+	0	NA	intron (N	AluSx1|SI	27515	NM_152562	157313	Hs.33366	NM_152562	ENSG0000	CDCA2	PPP1R81|F	cell divi	protein-coding
chr8-5882	4.402263	-1.75463	1.181728	-1.4848	0.137598	0.981636	chr8	58824126	58826360	+	0	NA	intron (N	intron (N	-165390	NM_003580	8439	Hs.372000	NM_003580	ENSG0000	NSMAF	FAN|GRAMD	neutral s	protein-coding
chr6-2616	4.957556	1.625964	1.095226	1.484593	0.137652	0.981636	chr6	26163203	26164239	+	0	NA	intron (N	MLT1F1|LT	5600	NM_138720	3017	Hs.591797	NM_021063	ENSG0000	HIST1H2BD	H2B.1B|H2	histone c	protein-coding
chr5-4915	38.57753	0.701004	0.472207	1.484526	0.137669	0.981636	chr5	49154550	49154757	+	0	NA	Intergeni	ALR/Alpha	1286635	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1633	2.923871	-2.26744	1.527729	-1.48419	0.137758	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	Plat_L3|L	29552	NM_145697	83540	Hs.651950	NM_031423	ENSG0000	NUF2	CDCA1|CT1	NUF2 comp	protein-coding
chr2-2077	6.608988	-1.45279	0.978934	-1.48405	0.137795	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluSc|SIN	17431	NM_001142	151195	Hs.471234	NM_152523	ENSG0000	CCNYL1	-	cyclin Y	protein-coding
chr17-756	7.119442	-1.34177	0.905195	-1.4823	0.13826	0.981636	chr17	75675718	75676293	+	0	NA	intron (N	Charlie1a	8667	NM_013260	29115	Hs.655088	NM_013260	ENSG0000	SAP30BP	HCNGP|HTF	SAP30 bir	protein-coding
chr20-199	7.119442	-1.34177	0.905195	-1.4823	0.13826	0.981636	chr20	19907678	19908119	+	0	NA	intron (N	MIRb|SINE	18332	NM_018993	54453	Hs.472270	NM_018993	ENSG0000	RIN2	MACS|RASS	Ras and R	protein-coding
chr1-4533	4.965414	1.621904	1.094883	1.481349	0.138514	0.981636	chr1	45333114	45334138	+	0	NA	intron (N	intron (N	6331	NM_001293	4595	Hs.271353	NM_012222	ENSG0000	MUTYH	MYH	mutY DNA	protein-coding
chr10-499	4.965414	1.621904	1.094883	1.481349	0.138514	0.981636	chr10	4997842	4999610	+	0	NA	exon (NM_	exon (NM_	5288	NM_001321	1646	Hs.460260	NM_001354	ENSG0000	AKR1C2	AKR1C-pse	aldo-ketc	protein-coding
chr19-435	4.965414	1.621904	1.094883	1.481349	0.138514	0.981636	chr19	43550328	43550824	+	0	NA	intron (N	intron (N	17388	NM_174945	284346	Hs.213534	NM_174945	ENSG0000	ZNF575	-	zinc fing	protein-coding
chr8-1235	4.965414	1.621904	1.094883	1.481349	0.138514	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSz|SIN	20586	NM_148177	114907	Hs.403933	NM_058229	ENSG0000	FBXO32	Fbx32|MAF	F-box prc	protein-coding
chrX-1548	4.965414	1.621904	1.094883	1.481349	0.138514	0.981636	chrX	15487867	15488066	+	0	NA	intron (N	intron (N	3343	NR_037859	1.01E+08	Hs.495728	NR_037859		PIR-FIGF	-	PIR-FIGF	ncRNA
chr1-2123	5.658431	1.530366	1.033341	1.480989	0.138609	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	24413	NR_004389	692157	Hs.707958	NR_004389	ENSG0000	SNORA16B	U98b	small nuc	snoRNA
chr10-926	3.683637	-1.94008	1.310835	-1.48003	0.138864	0.981636	chr10	92625957	92627292	+	0	NA	intron (N	intron (N	33494	NM_004523	3832	Hs.8878	NM_004523	ENSG0000	KIF11	EG5|HKSP|	kinesin f	protein-coding
chr1-2146	3.650355	-1.95592	1.323182	-1.47819	0.139356	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (N	Charlie29	50552	NM_016343	1063	Hs.497741	NM_016343	ENSG0000	CENPF	CENF|CILD	centromer	protein-coding
chr12-639	3.650355	-1.95592	1.323182	-1.47819	0.139356	0.981636	chr12	6397856	6398529	+	0	NA	Intergeni	L1M5|LINE	14030	NM_002342	4055	Hs.1116	NM_002342	ENSG0000	LTBR	D12S370|L	lymphotox	protein-coding
chr4-1031	3.650355	-1.95592	1.323182	-1.47819	0.139356	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MC1|LIN	-28649	NM_020139	56898	Hs.124696	NM_020139	ENSG0000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr17-509	6.947882	1.358103	0.918981	1.477836	0.139452	0.981636	chr17	5091247	5092101	+	0	NA	exon (NM_	exon (NM_	13207	NM_153018	124961	Hs.48832	NM_153018	ENSG0000	ZFP3	ZNF752	ZFP3 zinc	protein-coding
chr5-7998	7.092169	-1.36406	0.923123	-1.47766	0.139499	0.981636	chr5	79985094	79985441	+	0	NA	intron (N	AluY|SINE	5995	NM_001167	345778	Hs.531418	NM_001010	ENSG0000	MTX3	-	metaxin 3	protein-coding
chr16-208	5.146313	-1.6173	1.095056	-1.47691	0.139699	0.981636	chr16	20827013	20827420	+	0	NA	intron (N	intron (N	20689	NM_001199	81691	Hs.177926	NM_030941	ENSG0000	REXO5	NEF-sp	RNA exonu	protein-coding
chr1-1453	8.20405	1.241855	0.841319	1.476081	0.139922	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	10096	NM_001278	1E+08	Hs.445080	NM_001278	ENSG0000	NBPF20	-	NBPF memb	protein-coding
chr13-496	8.20405	1.241855	0.841319	1.476081	0.139922	0.981636	chr13	49662880	49663095	+	0	NA	intron (N	intron (N	28499	NM_032565	84650	Hs.433278	NM_032565	ENSG0000	EBPL	EBRP	EBP like	protein-coding
chr16-893	8.20405	1.241855	0.841319	1.476081	0.139922	0.981636	chr16	89312994	89313339	+	0	NA	intron (N	MER5A|DNA	-7967	NM_001242	1E+08	Hs.656995	NM_001242885		LOC100287	-	uncharact	protein-coding
chr16-337	4.264539	1.753492	1.188263	1.475677	0.140031	0.981636	chr16	3376638	3378381	+	0	NA	Intergeni	Intergeni	-4841	NM_001190	1E+08		NM_001190	ENSG0000	MTRNR2L4	HN4	MT-RNR2 l	protein-coding
chr3-1393	10.27265	-1.12312	0.761304	-1.47526	0.140142	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	16513	NM_001363	56945	Hs.745001	NM_020191	ENSG0000	MRPS22	C3orf5|CC	mitochonc	protein-coding
chr5-1591	7.086161	-1.34884	0.914474	-1.47499	0.140214	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	38821	NM_001199	153830	Hs.349306	NM_144726	ENSG0000	RNF145	-	ring fing	protein-coding
chr12-112	7.888916	-1.28984	0.87455	-1.47486	0.140249	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	MER20B|DN	5733	NM_016816	4938	Hs.524760	NM_002534	ENSG0000	OAS1	E18/E16|I	2’-5’-oli	protein-coding
chr19-192	7.032011	1.370529	0.929323	1.47476	0.140277	0.981636	chr19	19288477	19289153	+	0	NA	intron (N	AluSg|SIN	-15514	NM_001001	53345	Hs.531624	NM_203510	ENSG0000	TM6SF2	-	transmemb	protein-coding
chr17-415	5.724995	1.53519	1.042014	1.473291	0.140673	0.981636	chr17	4155667	4156241	+	0	NA	intron (N	intron (N	12257	NM_001254	124936	Hs.513871	NM_144611	ENSG0000	CYB5D2	-	cytochrom	protein-coding
chr19-401	5.724995	1.53519	1.042014	1.473291	0.140673	0.981636	chr19	4010397	4011000	+	0	NA	intron (N	MIR3|SINE	2962	NM_015897	51588	Hs.105779	NM_015897	ENSG0000	PIAS4	PIAS-gamm	protein i	protein-coding
chr5-4947	17.90258	0.864676	0.586943	1.473186	0.140701	0.981636	chr5	49476965	49477827	+	0	NA	Intergeni	ALR/Alpha	963892	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr15-410	7.111584	-1.34018	0.91023	-1.47236	0.140925	0.981636	chr15	41042300	41042724	+	0	NA	intron (N	AluSz|SIN	73734	NR_104038	54617	Hs.292949	NM_017553	ENSG0000	INO80	INO80A|IN	INO80 com	protein-coding
chr18-883	7.111584	-1.34018	0.91023	-1.47236	0.140925	0.981636	chr18	8831585	8833126	+	0	NA	3’ UTR (N	3’ UTR (N	114974	NM_015210	23255	Hs.707920	NM_015210	ENSG0000	MTCL1	CCDC165|K	microtubu	protein-coding
chr1-2024	8.170769	1.239757	0.842161	1.472114	0.14099	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	MLT1A|LTR	-27681	NM_032104	4660	Hs.444403	NM_002481	ENSG0000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr15-808	7.152724	-1.33472	0.906918	-1.47171	0.141099	0.981636	chr15	80884402	80886182	+	0	NA	intron (N	intron (N	-43219	NR_030393	693132		NR_030393	ENSG0000	MIR549A	MIR549|MI	microRNA	ncRNA
chr18-356	4.435545	-1.74185	1.183693	-1.47154	0.141145	0.981636	chr18	35632003	35632202	+	0	NA	Intergeni	L1PA5|LIN	-22467	NM_020474	2589	Hs.514806	NM_020474	ENSG0000	GALNT1	GALNAC-T1	polypepti	protein-coding
chr2-2397	6.9146	1.355769	0.92146	1.471327	0.141203	0.981636	chr2	23975698	23976076	+	0	NA	intron (N	AluSp|SIN	-34198	NM_001346	388931	Hs.407482	NM_001080	ENSG0000	MFSD2B	-	major fac	protein-coding
chr19-352	6.392588	1.459797	0.992482	1.470856	0.14133	0.981636	chr19	35273763	35273992	+	0	NA	intron (N	intron (N	4915	NM_001321	7392	Hs.454534	NM_003367	ENSG0000	USF2	FIP|bHLHb	upstream	protein-coding
chr5-4831	122.4897	0.432342	0.293952	1.470793	0.141347	0.981636	chr5	48316745	48316978	+	0	NA	Intergeni	ALR/Alpha	2124427	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1840	9.151277	-1.18397	0.805304	-1.47022	0.141503	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSz|SIN	7892	NM_001127	116461	Hs.548197	NM_052965	ENSG0000	TSEN15	C1orf19|F	tRNA spli	protein-coding
chr10-415	8.916483	1.235223	0.840502	1.469624	0.141663	0.981636	chr10	41504919	41505118	+	0	NA	Intergeni	ALR/Alpha	863027	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr15-636	8.262755	1.248296	0.849841	1.468858	0.141871	0.981636	chr15	63689284	63689941	+	0	NA	exon (NM_	exon (NM_	-88785	NR_034080	1E+08	Hs.631163	NR_034080	ENSG0000	USP3-AS1	-	USP3 anti	ncRNA
chr10-725	4.239115	1.745698	1.188639	1.468653	0.141927	0.981636	chr10	72541209	72541532	+	0	NA	intron (N	LTR8B|LTR	-17384	NM_001195	10367	Hs.524367	NM_006077	ENSG0000	MICU1	CALC|CBAR	mitochonc	protein-coding
chr15-771	5.814091	-1.55252	1.057202	-1.46852	0.141962	0.981636	chr15	77137357	77137583	+	0	NA	intron (N	THE1B-int	-66361	NM_198902	10099	Hs.744863	NM_005724	ENSG0000	TSPAN3	TM4-A|TM4	tetraspar	protein-coding
chr10-294	6.906742	1.358534	0.925759	1.467482	0.142245	0.981636	chr10	29462417	29462620	+	0	NA	intron (N	intron (N	52275	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG0000	SVIL-AS1	-	SVIL anti	ncRNA
chr3-1839	6.906742	1.358534	0.925759	1.467482	0.142245	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-18660	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG0000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr12-132	3.675779	-1.93709	1.320083	-1.4674	0.142267	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	15925	NR_002979	677829	Hs.742405	NR_002979	ENSG0000	SNORA49	ACA49	small nuc	snoRNA
chr4-1031	3.675779	-1.93709	1.320083	-1.4674	0.142267	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	21872	NM_001286	1062	Hs.75573	NM_001813	ENSG0000	CENPE	CENP-E|KI	centromer	protein-coding
chr6-3339	3.675779	-1.93709	1.320083	-1.4674	0.142267	0.981636	chr6	33398507	33399765	+	0	NA	intron (N	AluSx|SIN	7313	NM_002263	3833	Hs.436912	NM_002263	ENSG0000	KIFC1	HSET|KNSL	kinesin f	protein-coding
chr15-694	4.394405	-1.75215	1.194175	-1.46725	0.142309	0.981636	chr15	69435167	69435530	+	0	NA	intron (N	intron (N	-17470	NM_001003	6176	Hs.356502	NM_001003	ENSG0000	RPLP1	LP1|P1|RP	ribosomal	protein-coding
chr16-472	4.998696	1.624472	1.107222	1.46716	0.142333	0.981636	chr16	47283857	47284056	+	0	NA	intron (N	L1MB8|LIN	139888	NR_110904	1.02E+08	Hs.634652	NR_110903		ITFG1-AS1	-	ITFG1 ant	ncRNA
chr10-403	22.67813	0.789513	0.538211	1.466919	0.142398	0.981636	chr10	40345162	40345395	+	0	NA	Intergeni	ALR/Alpha	1648682	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr16-397	6.239148	1.413234	0.96372	1.466436	0.142529	0.981636	chr16	3976996	3977659	+	0	NA	intron (N	intron (N	-26883	NR_120311	1.03E+08	Hs.364739	NR_120311	ENSG0000	LOC102724	-	uncharact	ncRNA
chr10-996	8.348522	-1.22323	0.834551	-1.46574	0.14272	0.981636	chr10	99614883	99615375	+	0	NA	intron (N	AluSq|SIN	5310	NM_031212	81894	Hs.403790	NM_031212	ENSG0000	SLC25A28	MFRN2|MRS	solute ca	protein-coding
chrX-4584	5.113031	-1.62805	1.110928	-1.46549	0.142788	0.981636	chrX	45844737	45845011	+	0	NA	Intergeni	AluSx1|SI	6616	NR_125365	401585	Hs.633348	NR_125365	ENSG0000	LINC02595	-	long inte	ncRNA
chr10-130	4.949698	1.630081	1.112709	1.464965	0.14293	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	9328	NM_001321	10539	Hs.42644	NM_006541	ENSG0000	GLRX3	GLRX4|GRX	glutaredc	protein-coding
chr22-290	4.949698	1.630081	1.112709	1.464965	0.14293	0.981636	chr22	29048140	29048716	+	0	NA	exon (NM_	exon (NM_	13491	NM_015370	25770	Hs.50891	NM_015370	ENSG0000	C22orf31	HS747E2A|	chromosom	protein-coding
chr14-528	9.035717	-1.1977	0.817637	-1.46483	0.142967	0.981636	chr14	52888950	52889387	+	0	NA	intron (N	MIRc|SINE	61882	NM_006832	10979	Hs.509343	NM_006832	ENSG0000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr1-1549	6.981163	1.360256	0.928661	1.46475	0.142989	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-4930	NM_001323	10654	Hs.30954	NM_006556	ENSG0000	PMVK	HUMPMKI|P	phosphome	protein-coding
chr14-497	6.981163	1.360256	0.928661	1.46475	0.142989	0.981636	chr14	49700190	49700847	+	0	NA	intron (N	AluJr|SIN	7398	NM_172193	122773	Hs.509258	NM_172193	ENSG0000	KLHDC1	MST025	kelch dom	protein-coding
chr16-297	6.981163	1.360256	0.928661	1.46475	0.142989	0.981636	chr16	29798486	29798714	+	0	NA	exon (NM_	exon (NM_	-7524	NM_001276	4150	Hs.23650	NM_002383	ENSG0000	MAZ	PUR1|Pur-	MYC assoc	protein-coding
chr5-8357	8.879502	1.211589	0.827185	1.464714	0.142999	0.981636	chr5	83579967	83580166	+	0	NA	exon (NM_	exon (NM_	-17752	NR_136215	1.05E+08	Hs.643801	NR_136215	ENSG0000	VCAN-AS1	-	VCAN anti	ncRNA
chr5-4853	29.00304	0.714706	0.48795	1.464709	0.143	0.981636	chr5	48538105	48538413	+	0	NA	Intergeni	ALR/Alpha	1903029	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding

chr2-1895	8.237332	1.243863	0.849378	1.464439	0.143074	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	16321	NM_014585	30061	Hs.643005	NM_014585	ENSG00000	SLC40A1	FPN1|HFE4	solute ca	protein-coding
chr1-2675	6.683409	-1.43748	0.98169	-1.4643	0.143113	0.981636	chr1	26756055	26756502	+	0	NA	intron (N	AluSx|SIN	-31685	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr9-1364	8.178626	1.237393	0.845386	1.463701	0.143276	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	9231	NM_001318	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chr18-585	6.383251	-1.39802	0.955266	-1.46348	0.143335	0.981636	chr18	58557093	58558106	+	0	NA	intron (N	L1MC1|LIN	-43021	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr7-1055	6.383251	-1.39802	0.955266	-1.46348	0.143335	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	6102	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr17-748	6.247006	1.410145	0.963639	1.463355	0.14337	0.981636	chr17	74868404	74870193	+	0	NA	promoter-	promoter-	-545	NM_001258	2232	Hs.69745	NM_004110	ENSG00000	FDXR	ADR|ADXR|	ferredoxi	protein-coding
chr13-455	11.87086	1.034782	0.707238	1.463132	0.143431	0.981636	chr13	45530396	45530595	+	0	NA	intron (N	intron (N	65556	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr18-879	8.373946	-1.21609	0.831728	-1.46213	0.143706	0.981636	chr18	8796366	8797230	+	0	NA	intron (N	intron (N	79417	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr20-264	24.84149	0.747364	0.511241	1.461863	0.143779	0.981636	chr20	26468721	26469385	+	0	NA	Intergeni	ALR/Alpha	-259820	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-391	6.375393	-1.39631	0.955178	-1.46183	0.143788	0.981636	chr14	39124559	39124758	+	0	NA	intron (N	AluSz|SIN	10374	NM_003616	8487	Hs.652307	NM_003616	ENSG00000	GEMIN2	SIP1|SIP1	gem nucle	protein-coding
chr15-494	6.375393	-1.39631	0.955178	-1.46183	0.143788	0.981636	chr15	49487944	49488396	+	0	NA	3’ UTR (N	3’ UTR (N	64928	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr3-4908	6.375393	-1.39631	0.955178	-1.46183	0.143788	0.981636	chr3	49086231	49086627	+	0	NA	intron (N	AluY|SINE	7203	NM_001320	54870	Hs.297389	NM_017730	ENSG00000	QRICH1	AB-DIP|VE	glutamine	protein-coding
chr11-519	20.20092	0.812947	0.556232	1.461524	0.143872	0.981636	chr11	51912546	51912766	+	0	NA	Intergeni	ALR/Alpha	1503509	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr7-5914	6.922458	1.352871	0.925752	1.461375	0.143912	0.981636	chr7	5914051	5914362	+	0	NA	intron (N	AluJr|SIN	15473	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr15-808	6.391109	-1.39976	0.958311	-1.46065	0.144112	0.981636	chr15	80871550	80874331	+	0	NA	intron (N	MLT1J|LTR	-30867	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr20-355	12.45944	1.002293	0.686301	1.460429	0.144172	0.981636	chr20	35502322	35502521	+	0	NA	exon (NM_	exon (NM_	27231	NR_026933	140873	Hs.158680	NM_080828	ENSG00000	C20orf173	dJ47704.4	chromosom	protein-coding
chr11-198	4.427687	-1.73923	1.191009	-1.4603	0.144209	0.981636	chr11	19887682	19887946	+	0	NA	intron (N	intron (N	-127731	NR_039843	1.01E+08		NR_039843	ENSG00000	MIR4694	-	microRNA	ncRNA
chr15-306	4.427687	-1.73923	1.191009	-1.4603	0.144209	0.981636	chr15	30646245	30646874	+	0	NA	intron (N	AluYe5|SI	444	NR_038253	1E+08	Hs.668950	NR_038253	ENSG00000	LOC100288	-	OTU deubi	pseudo
chr7-1586	2.916014	-2.26385	1.550486	-1.46009	0.144266	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	55046	NR_049893	1.01E+08		NR_049893	ENSG00000	MIR5707	-	microRNA	ncRNA
chr19-250	17.19384	0.863099	0.591191	1.459933	0.144309	0.981636	chr19	25021130	25021580	+	0	NA	Intergeni	ALR/Alpha	-857908	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-926	8.35823	-1.21339	0.831418	-1.45943	0.144447	0.981636	chr10	92691184	92693071	+	0	NA	intron (N	intron (N	2172	NM_002729	3087	Hs.118651	NM_002729	ENSG00000	HHEX	HEX|HMPH|	hematopoi	protein-coding
chr12-120	5.179594	-1.60623	1.100906	-1.45901	0.144563	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx1|SI	9591	NM_032314	84274	Hs.17250	NM_032314	ENSG00000	COQ5	-	coenzyme	protein-coding
chr3-1193	5.179594	-1.60623	1.100906	-1.45901	0.144563	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	LTR12D|LT	-14981	NR_046748	1.01E+08	Hs.607097	NR_046748	ENSG00000	ARHGAP31-	-	ARHGAP31	ncRNA
chr15-641	6.213725	1.407644	0.965094	1.458556	0.144687	0.981636	chr15	64195685	64196092	+	0	NA	intron (N	intron (N	-32733	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr9-1163	6.213725	1.407644	0.965094	1.458556	0.144687	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	97033	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chrX-4893	6.213725	1.407644	0.965094	1.458556	0.144687	0.981636	chrX	48933820	48934992	+	0	NA	intron (N	intron (N	-15382	NM_006875	11040	Hs.727148	NM_006875	ENSG00000	PIM2	-	Pim-2 pro	protein-coding
chr13-244	7.103726	-1.33855	0.91803	-1.45807	0.144822	0.981636	chr13	24499251	24499773	+	0	NA	intron (N	intron (N	13266	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-338	3.642497	-1.95326	1.339774	-1.4579	0.144868	0.981636	chr13	33834887	33836410	+	0	NA	intron (N	intron (N	17499	NM_002915	5983	Hs.115474	NM_002915	ENSG00000	RFC3	RFC38	replicati	protein-coding
chr20-317	3.642497	-1.95326	1.339774	-1.4579	0.144868	0.981636	chr20	31743951	31745072	+	0	NA	intron (N	intron (N	5221	NM_012112	22974	Hs.244580	NM_012112	ENSG00000	TPX2	C20orf1|C	TPX2 micr	protein-coding
chr3-1277	3.642497	-1.95326	1.339774	-1.4579	0.144868	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	36631	NM_007283	11343	Hs.277035	NM_007283	ENSG00000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr1-1863	13.10946	0.992363	0.680753	1.457743	0.144911	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	28107	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr20-501	8.324949	-1.21919	0.837243	-1.4562	0.145338	0.981636	chr20	50150549	50150978	+	0	NA	intron (N	AluSx1|SI	2960	NM_199129	387521	Hs.744839	NM_199129	ENSG00000	TMEM189	KUA	transmemb	protein-coding
chr6-3150	8.211908	1.239398	0.851186	1.456084	0.145369	0.981636	chr6	31505897	31506131	+	0	NA	intron (N	intron (N	7869	NM_001289	4277	Hs.731446	NM_005931	ENSG00000	MICB	PERB11.2	MHC class	protein-coding
chr13-271	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr13	27114803	27115041	+	0	NA	intron (N	AluJr|SIN	-10611	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr2-3932	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr2	39321207	39321933	+	0	NA	intron (N	LTR5_Hs|L	-77587	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr3-4762	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr3	47621236	47621435	+	0	NA	intron (N	L1PA17|LI	40359	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-1462	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	THE1B|LTR	13941	NM_001128	57088	Hs.477869	NM_020353	ENSG00000	PLSCR4	TRA1	phospholi	protein-coding
chr5-3892	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr5	38924738	38925673	+	0	NA	exon (NM_	exon (NM_	79193	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-1822	6.367535	-1.39461	0.958051	-1.45567	0.145483	0.981636	chr6	18223556	18226034	+	0	NA	TTS (NM_1	TTS (NM_1	39735	NM_001134	7913	Hs.484813	NM_003472	ENSG00000	DEK	D6S231E	DEK proto	protein-coding
chr1-1580	6.221583	1.404546	0.965012	1.45547	0.145539	0.981636	chr1	1.58E+08	1.58E+08	+	0	NA	intron (N	L2a|LINE|	29355	NR_145471	1.01E+08	Hs.664656	NR_145471		KIRREL1-I	KIRREL-IT	KIRREL1 i	ncRNA
chr17-171	6.221583	1.404546	0.965012	1.45547	0.145539	0.981636	chr17	17132817	17133266	+	0	NA	intron (N	intron (N	73292	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr8-9492	6.221583	1.404546	0.965012	1.45547	0.145539	0.981636	chr8	94925442	94926423	+	0	NA	TTS (NM_C	TTS (NM_C	23446	NM_001135	94241	Hs.492261	NM_033285	ENSG00000	TP53INP1	SIP|TP53D	tumor pro	protein-coding
chr9-2086	6.221583	1.404546	0.965012	1.45547	0.145539	0.981636	chr9	2086822	2087021	+	0	NA	exon (NM_	exon (NM_	64976	NM_001289	6595	Hs.298990	NM_003070	ENSG00000	SMARCA2	BAF190|BR	SWI/SNF r	protein-coding
chr9-5408	4.213691	1.73784	1.194264	1.455156	0.145626	0.981636	chr9	5408338	5408797	+	0	NA	intron (N	THE1D-int	29358	NM_018465	55848	Hs.584242	NM_018465	ENSG00000	PLGRKT	AD025|C9o	plasminog	protein-coding
chr12-654	6.365685	-1.40964	0.96899	-1.45475	0.145738	0.981636	chr12	65456764	65457508	+	0	NA	intron (N	intron (N	100175	NR_135033	1.05E+08	Hs.738044	NR_135033	ENSG00000	LOC105369	-	uncharact	ncRNA
chr12-284	7.495317	1.275143	0.87677	1.454365	0.145845	0.981636	chr12	28401523	28401779	+	0	NA	intron (N	THE1C|LTR	-210913	NR_148936	729291	Hs.129278	NR_148936		LOC729291	-	uncharact	ncRNA
chr10-312	6.408674	-1.38845	0.955	-1.45388	0.14598	0.981636	chr10	3120805	3121445	+	0	NA	intron (N	intron (N	-12979	NR_132758	1.07E+08		NR_132758		SNORD142	SNORA85|S	small nuc	snoRNA
chr3-7292	6.408674	-1.38845	0.955	-1.45388	0.14598	0.981636	chr3	72922448	72923056	+	0	NA	intron (N	intron (N	34706	NM_001080	727936	Hs.710275	NM_001080	ENSG00000	GXYLT2	GLT8D4	glucoside	protein-coding
chr5-7808	6.408674	-1.38845	0.955	-1.45388	0.14598	0.981636	chr5	78089125	78089450	+	0	NA	intron (N	intron (N	131040	NR_105013	1.02E+08	Hs.252895	NR_105012		LOC101929	-	uncharact	ncRNA
chr19-209	4.359274	-1.78913	1.230604	-1.45386	0.145985	0.981636	chr19	20935071	20935908	+	0	NA	intron (N	L1M3a|LIN	12236	NR_045830	7639	Hs.37138	NM_003429	ENSG00000	ZNF85	HPF4|HTF1	zinc fing	protein-coding
chr1-1549	6.95574	1.355034	0.932592	1.452976	0.146231	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	4952	NM_020524	57326	Hs.505806	NM_020524	ENSG00000	PBXIP1	HPIP	PBX homeo	protein-coding
chr3-5144	6.95574	1.355034	0.932592	1.452976	0.146231	0.981636	chr3	51440546	51440784	+	0	NA	intron (N	AluSz|SIN	49380	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr6-3867	8.350372	-1.21202	0.834405	-1.45256	0.146346	0.981636	chr6	38676155	38676354	+	0	NA	3’ UTR (N	3’ UTR (N	26891	NM_006708	2739	Hs.268849	NM_006708	ENSG00000	GLO1	GLOD1|GLY	glyoxalas	protein-coding
chr1-1093	6.400816	-1.38675	0.954911	-1.45223	0.146439	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-6871	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr12-297	6.400816	-1.38675	0.954911	-1.45223	0.146439	0.981636	chr12	29728014	29729065	+	0	NA	intron (N	intron (N	55403	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr4-7695	6.400816	-1.38675	0.954911	-1.45223	0.146439	0.981636	chr4	76959139	76959506	+	0	NA	intron (N	FLAM_C|SI	9570	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr4-8479	6.400816	-1.38675	0.954911	-1.45223	0.146439	0.981636	chr4	84797477	84798020	+	0	NA	intron (N	AluYc|SIN	-167868	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr9-1346	6.400816	-1.38675	0.954911	-1.45223	0.146439	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-7687	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chr7-7633	9.579452	-1.1283	0.777296	-1.45156	0.146623	0.981636	chr7	76339617	76340171	+	0	NA	intron (N	AluSx|SIN	19097	NM_012479	7532	Hs.744840	NM_012479	ENSG00000	YWHAG	14-3-3GAM	tyrosine	protein-coding
chr19-376	4.246973	1.740769	1.199291	1.451499	0.146641	0.981636	chr19	37609721	37610476	+	0	NA	intron (N	intron (N	15222	NM_001172	163255	Hs.728927	NM_152606	ENSG00000	ZNF540	Nbla10512	zinc fing	protein-coding
chr1-1490	7.503175	1.272627	0.876816	1.451418	0.146663	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	54950	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2058	7.503175	1.272627	0.876816	1.451418	0.146663	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	12339	NM_173854	254428	Hs.20274	NM_173854	ENSG00000	SLC41A1	MgtE	solute ca	protein-coding
chr9-1290	7.503175	1.272627	0.876816	1.451418	0.146663	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	26293	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chr6-1768	6.416532	-1.39013	0.958046	-1.45101	0.146778	0.981636	chr6	17681189	17681566	+	0	NA	intron (N	AluY|SINE	-24753	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr1-2431	7.469893	1.270366	0.876371	1.449577	0.147177	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-30824	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr5-4885	119.348	0.436003	0.30087	1.449143	0.147298	0.981636	chr5	48850749	48850994	+	0	NA	Intergeni	ALR/Alpha	1590417	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-2313	6.280288	1.412633	0.975928	1.447477	0.147763	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	MER74A|LT	-55394	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr9-9595	8.73392	1.173564	0.810983	1.447088	0.147872	0.981636	chr9	95956221	95956435	+	0	NA	intron (N	MER5A1|DN	65483	NR_024129	1E+08	Hs.434310	NR_024129	ENSG00000	LINC00092	NCRNA0009	long inte	ncRNA
chr18-205	52.71262	0.545271	0.376812	1.447066	0.147878	0.981636	chr18	20561665	20562429	+	0	NA	Intergeni	ALR/Alpha	549766	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr5-6088	3.667921	-1.93387	1.336437	-1.44704	0.147887	0.981636	chr5	60882003	60882369	+	0	NA	intron (N	intron (N	-37912	NM_001104	79993	Hs.274256	NM_024930	ENSG00000	ELOVL7	-	ELOVL fat	protein-coding
chr17-682	7.477751	1.267852	0.876416	1.446632	0.148	0.981636	chr17	68276156	68282884	+	0	NA	intron (N	intron (N	11607	NM_004694	9120	Hs.42645	NM_004694	ENSG00000	SLC16A6	MCT6|MCT7	solute ca	protein-coding
chr4-1077	7.477751	1.267852	0.876416	1.446632	0.148	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	A-rich|Lo	19216	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr6-8558	5.923644	-1.50795	1.042456	-1.44653	0.148027	0.981636	chr6	85588071	85588489	+	0	NA	intron (N	AluSx|SIN	5578	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr3-1882	6.392958	-1.38499	0.957784	-1.44604	0.148167	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	23627	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr8-2912	6.392958	-1.38499	0.957784	-1.44604	0.148167	0.981636	chr8	29123450	29123818	+	0	NA	intron (N	intron (N	139436	NM_015254	23303	Hs.444767	NM_015254	ENSG00000	KIF13B	GAKIN	kinesin f	protein-coding
chr1-6227	6.205867	1.410793	0.975712	1.445912	0.148202	0.981636	chr1	6227693	6228120	+	0	NA	intron (N	AluJo|SIN	8058	NM_012405	23463	Hs.515688	NM_012405	ENSG00000	ICMT	HSTE14|MS	isoprenyl	protein-coding
chr12-501	6.188301	1.402007	0.969745	1.445748	0.148248	0.981636	chr12	50119388	50120121	+	0	NA	intron (N	intron (N	7518	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr11-280	8.383654	-1.20621	0.834774	-1.44495	0.148471	0.981636	chr11	28085163	28085820	+	0	NA	intron (N	LTR13A|LT	22665	NM_031217	81930	Hs.301052	NM_031217	ENSG00000	KIF18A	MS-KIF18A	kinesin f	protein-coding
chr2-4704	8.383654	-1.20621	0.834774	-1.44495	0.148471	0.981636	chr2	47046187	47046503	+	0	NA	exon (NM_	exon (NM_	-104490	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr1-1650	6.359677	-1.3929	0.963991	-1.44493	0.148476	0.981636	chr1	1650509	1650783	+	0	NA	intron (N	AluY|SINE	8358	NM_033490	984	Hs.651228	NM_001787	ENSG00000	CDK11B	CDC2L1|CD	cyclin de	protein-coding
chr18-722	6.359677	-1.3929	0.963991	-1.44493	0.148476	0.981636	chr18	722915	723117	+	0	NA	3’ UTR (N	3’ UTR (N	-10352	NR_148709	55556	Hs.658550	NM_017512	ENSG00000	ENOSF1	FUCD|RTS|	enolase s	protein-coding
chr5-8305	6.359677	-1.3929	0.963991	-1.44493	0.148476	0.981636	chr5	83055389	83055659	+	0	NA	3’ UTR (N	3’ UTR (N	8813	NR_003139	677765	Hs.693283	NR_003139	ENSG00000	SCARNA18	SCARNA18A	small Caj	ncRNA
chr6-3585	6.359677	-1.3929	0.963991	-1.44493	0.148476	0.981636	chr6	35850741	35850940	+	0	NA	intron (N	L2a|LINE|	45488	NM_182548	222662	Hs.367947	NM_182548	ENSG00000	LHFPL5	DFNB67|TM	LHFPL tet	protein-coding
chr22-238	6.254864	1.406984	0.974076	1.444429	0.148618	0.981636	chr22	23875808	23877210	+	0	NA	intron (N	intron (N	-17874	NM_002415	4282	Hs.407995	NM_002415	ENSG00000	MIF	GIF|GLIF|	macrophag	protein-coding
chr19-248	138.0076	0.429267	0.297254	1.44411	0.148708	0.981636	chr19	24894151	24894367	+	0	NA	Intergeni	ALR/Alpha	-730812	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-748	10.70668	1.08906	0.754239	1.443919	0.148762	0.981636	chr17	74863742	74864394	+	0	NA	intron (N	intron (N	-3225	NM_001278	2905	Hs.436980	NM_000835	ENSG00000	GRIN2C	GluN2C|NM	glutamate	protein-coding
chr12-372	65.92579	0.503658	0.348936	1.443411	0.148905	0.981636	chr12	37237603	37238561	+	0	NA	Intergeni	ALR/Alpha	-1078692	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr11-100	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr11	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	41929	NR_145747	1.1E+08		NR_145747		SNORD13I	-	small nuc	snoRNA
chr19-532	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr19	53204999	53205610	+	0	NA	Intergeni	L2|LINE|L	-7644	NR_073396	390963	Hs.444446	NM_001001675		ZNF818P	ZNF818	zinc fing	pseudo
chr2-2239	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	34228	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|L	mitochond	protein-coding
chr20-622	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr20	62291089	62292150	+	0	NA	intron (N	intron (N	-11277	NM_175573	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr22-502	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr22	50255052	50255569	+	0	NA	exon (NM_	exon (NM_	-4045	NM_032019	83933	Hs.26593	NM_032019	ENSG00000	HDAC10	HD10	histone d	protein-coding
chr3-1634	6.196159	1.398881	0.969663	1.442647	0.14912	0.981636	chr3	16349825	16350053	+	0	NA	3’ UTR (N	3’ UTR (N	84727	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr1-8388	4.386547	-1.74955	1.213196	-1.4421	0.149274	0.981636	chr1	83882668	83882996	+	0	NA	intron (N	intron (N	-21836	NR_119375	1.02E+08	Hs.621230	NR_119375	ENSG00000	LINC01725	-	long inte	ncRNA
chr19-122	9.939241	1.097041	0.760803	1.441952	0.149316	0.981636	chr19	12247390	12250793	+	0	NA	Intergeni	AluSg4|SI	45521	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KC	zinc fing	protein-coding
chr10-933	9.58916	-1.11977	0.776721	-1.44167	0.149396	0.981636	chr10	93378863	93379794	+	0	NA	intron (N	intron (N	103006	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr18-180	20.62909	0.789205	0.5476	1.441206	0.149526	0.981636	chr18	18045689	18045908	+	0	NA	Intergeni	ALR/Alpha	-2719879	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr17-294	7.462035	1.272933	0.883695	1.440467	0.149735	0.981636	chr17	29485309	29485510	+	0	NA	intron (N	AluJr|SIN	81628	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr3-3350	7.462035	1.272933	0.883695	1.440467	0.149735	0.981636	chr3	33504763	33505013	+	0	NA	intron (N	MER1B|DNA	-64483	NM_014517	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr18-233	4.361123	-1.76557	1.226706	-1.43928	0.150072	0.981636	chr18	23347651	23348448	+	0	NA	intron (N	L1M5|LINE	89912	NM_032933	85019	Hs.137562	NM_032933	ENSG00000	TMEM241	C18orf45|	transmemb	protein-coding
chr19-897	10.08482	1.130649	0.785807	1.438838	0.150196	0.981636	chr19	897364	897603	+	0	NA	exon (NM_	exon (NM_	3999	NR_125730	1.04E+08		NR_125730	ENSG00000	RNU6-2	U6-2	RNA, U6 s	snRNA
chr4-1076	9.972523	1.098893	0.764177	1.43801	0.150431	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	75622	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr16-816	4.221549	1.732776	1.205068	1.437907	0.15046	0.981636	chr16	81692248	81692804	+	0	NA	intron (N	intron (N	27172	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr17-637	7.452328	1.263055	0.878574	1.43762	0.150542	0.981636	chr17	63706499	63707149	+	0	NA	intron (N	intron (N	6486	NR_046273	729683	Hs.534931	NR_046273		LOC729683	-	uncharact	ncRNA
chr19-511	7.452328	1.263055	0.878574	1.43762	0.150542	0.981636	chr19	51103877	51104288	+	0	NA	exon (NM_	exon (NM_	4327	NM_145232	90353	Hs.148425	NM_145232	ENSG00000	CTU1	ATPBD3|NC	cytosolic	protein-coding
chr1-1246	114.9116	0.47172	0.328308	1.436822	0.150769	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3098300	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-105	5.105173	-1.62593	1.131676	-1.43675	0.15079	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MIR|SINE|	39484	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr5-1683	5.105173	-1.62593	1.131676	-1.43675	0.15079	0.981636	chr5	16831557	16831756	+	0	NA	intron (N	L1PB1|LIN	104632	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr18-137	4.947848	1.610356	1.120848	1.436731	0.150795	0.981636	chr18	13756312	13756862	+	0	NA	intron (N	intron (N	29914	NM_001308	8731	Hs.592347	NM_003799	ENSG00000	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr15-282	6.229441	1.40131	0.975486	1.436525	0.150853	0.981636	chr15	28217776	28218387	+	0	NA	intron (N	MLT1C|LTR	104071	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr11-517	15.88082	0.882243	0.614633	1.435397	0.151174	0.981636	chr11	51770378	51770586	+	0	NA	Intergeni	ALR/Alpha	1361335	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-962	6.3851	-1.38317	0.963725	-1.43524	0.15122	0.981636	chr14	96266515	96266788	+	0	NA	Intergeni	Intergeni	10441	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1R	bradykini	protein-coding
chr15-658	9.6303	-1.11602	0.778169	-1.43416	0.151525	0.981636	chr15	65876425	65876809	+	0	NA	intron (N	intron (N	7126	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr1-2113	8.675215	1.16732	0.814062	1.433944	0.151588	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	-16731	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr2-3715	9.581302	-1.11855	0.780078	-1.43389	0.151603	0.981636	chr2	37153319	37154615	+	0	NA	intron (N	L1MB4|LIN	3013	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr13-113	5.631343	-1.46629	1.022602	-1.43388	0.151607	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	21741	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr3-1716	6.180443	1.405119	0.980461	1.433121	0.151823	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	L1MB7|LIN	171896	NM_002662	5337	Hs.382865	NM_002662	ENSG00000	PLD1	CVDD	phospholi	protein-coding
chr11-528	23.39074	0.737178	0.514407	1.433063	0.15184	0.981636	chr11	52839828	52840055	+	0	NA	Intergeni	ALR/Alpha	1764057	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr14-526	5.656767	-1.45531	1.015718	-1.43279	0.151918	0.981636	chr14	52678949	52679202	+	0	NA	intron (N	MSTB|LTR|	16483	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|ER	endoplasm	protein-coding
chr15-963	6.324545	-1.41679	0.989649	-1.43161	0.152255	0.981636	chr15	96342927	96343126	+	0	NA	Intergeni	Intergeni	9261	NM_001145	7026	Hs.347991	NM_021005	ENSG00000	NR2F2	ARP-1|ARP	nuclear r	protein-coding
chr2-1514	5.648909	-1.4534	1.015673	-1.43097	0.152438	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	17030	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr3-1460	5.648909	-1.4534	1.015673	-1.43097	0.152438	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-12596	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr8-7380	5.648909	-1.4534	1.015673	-1.43097	0.152438	0.981636	chr8	73808317	73808516	+	0	NA	intron (N	AluSz6|SI	-60708	NM_001164	27067	Hs.561815	NM_014393	ENSG00000	STAU2	39K2|39K3	staufen d	protein-coding

chr5-3594	8.24519	1.241268	0.867439	1.430957	0.152443	0.981636	chr5	359456	359888	+	0	NA	intron (N	intron (N	55496	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chrX-6249	11.72528	1.004899	0.702441	1.430581	0.15255	0.981636	chrX	62499326	62499605	+	0	NA	Intergeni	ALR/Alpha	851867	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr10-399	35.34092	0.660611	0.461889	1.430238	0.152649	0.981636	chr10	39983438	39983710	+	0	NA	Intergeni	ALR/Alpha	1286978	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr15-822	7.588757	-1.25306	0.876538	-1.42955	0.152845	0.981636	chr15	82226710	82227188	+	0	NA	intron (N	L2-3_Crp|	35579	NM_001322	79631	Hs.459114	NM_024580	ENSG00000	EFL1	EFTUD1|FA	elongatic	protein-coding
chr7-1587	7.606323	-1.24367	0.87042	-1.42881	0.153058	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MB3|LIN	38361	NM_020728	57488	Hs.490795	NM_020728	ENSG00000	ESYT2	CHR2SYT|E	extended	protein-coding
chr9-2718	6.434098	-1.37854	0.965158	-1.4283	0.153206	0.981636	chr9	27187159	27187500	+	0	NA	intron (N	intron (N	78188	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GI	TEK recep	protein-coding
chr6-1308	5.915786	-1.50545	1.054982	-1.42699	0.153584	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSx1|SI	27725	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr17-393	5.495284	1.464155	1.02612	1.426885	0.153613	0.981636	chr17	39339443	39339765	+	0	NA	intron (N	L1MC4a|LI	42204	NR_162098	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr19-524	5.495284	1.464155	1.02612	1.426885	0.153613	0.981636	chr19	52462494	52463902	+	0	NA	intron (N	HERVKC4-i	9645	NM_001099	147660	Hs.157287	NM_152472	ENSG00000	ZNF578	-	zinc fing	protein-coding
chr8-1864	5.495284	1.464155	1.02612	1.426885	0.153613	0.981636	chr8	18648856	18649717	+	0	NA	intron (N	MSTA-int|	159581	NM_206909	23362	Hs.434255	NM_015310	ENSG00000	PSD3	EFA6D|EFA	pleckstri	protein-coding
chr19-174	8.127779	1.228139	0.860923	1.426538	0.153713	0.981636	chr19	17423738	17424084	+	0	NA	intron (N	intron (N	3864	NM_138401	93343	Hs.515243	NM_138401	ENSG00000	MVB12A	CFBP|FAM1	multivesi	protein-coding
chr11-134	5.130597	-1.61229	1.13063	-1.42601	0.153865	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-15326	NR_145790	1.1E+08		NR_145790		SNORD153	-	small nuc	snoRNA
chr3-9782	5.615627	-1.4625	1.026056	-1.42536	0.154054	0.981636	chr3	9782147	9782352	+	0	NA	TTS (NM_1	TTS (NM_1	-10246	NM_001024	10093	Hs.323342	NM_005718	ENSG00000	ARPC4	ARC20|P2C	actin rel	protein-coding
chr5-3238	9.814898	-1.15873	0.813328	-1.42468	0.15425	0.981636	chr5	32386056	32386342	+	0	NA	intron (N	MIR|SINE|	8276	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr1-1495	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr1	14957085	14957526	+	0	NA	intron (N	intron (N	11386	NM_001017	23254	Hs.368823	NM_015209	ENSG00000	KAZN	KAZ	kazrin, p	protein-coding
chr1-7864	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr1	78641676	78642609	+	0	NA	3’ UTR (N	3’ UTR (N	-7647	NR_135640	10561	Hs.82316	NM_006417	ENSG00000	IFI44	MTAP44|TL	interferc	protein-coding
chr1-1549	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	2986	NR_036212	1E+08		NR_036212	ENSG00000	MIR4258	-	microRNA	ncRNA
chr11-200	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr11	20097797	20098294	+	0	NA	intron (N	intron (N	-48742	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr15-519	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr15	51930672	51930871	+	0	NA	Intergeni	Intergeni	-6651	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homc	pseudo
chr2-3317	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr2	33177753	33178200	+	0	NA	intron (N	intron (N	43379	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr4-9905	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr4	99057556	99057906	+	0	NA	intron (N	intron (N	31057	NM_000671	128	Hs.78989	NM_000671	ENSG00000	ADH5	ADH-3|ADH	alcohol c	protein-coding
chr6-2046	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr6	20463983	20464603	+	0	NA	intron (N	MER21-int	60614	NM_001243	1871	Hs.269408	NM_001949	ENSG00000	E2F3	E2F-3	E2F trans	protein-coding
chr6-1510	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	MSTB|LTR|	25297	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chrX-2196	5.641051	-1.45147	1.018976	-1.42444	0.154318	0.981636	chrX	21967290	21967574	+	0	NA	intron (N	intron (N	26723	NM_004595	6611	Hs.724874	NM_004595	ENSG00000	SMS	MRSR|SPMS	spermine	protein-coding
chr1-2438	7.426904	1.25819	0.883368	1.42431	0.154357	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	L1PA10|LI	20435	NM_181690	10000	Hs.498292	NM_005465	ENSG00000	AKT3	MPPH|MPPH	AKT serir	protein-coding
chr20-284	88.26594	0.453982	0.31875	1.424257	0.154372	0.981636	chr20	28494794	28498050	+	0	NA	Intergeni	ALR/Alpha	106243	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr2-7391	7.639604	-1.23733	0.8695	-1.42304	0.154725	0.981636	chr2	73912994	73920395	+	0	NA	exon (NM_	exon (NM_	-10132	NR_134895	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguar	protein-coding
chr5-4962	128.5629	0.415534	0.292075	1.422695	0.154825	0.981636	chr5	49625564	49627067	+	0	NA	Intergeni	ALR/Alpha	814973	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-133	7.460186	1.260424	0.886037	1.422541	0.154869	0.981636	chr11	13369641	13369935	+	0	NA	intron (N	intron (N	70491	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr16-195	7.460186	1.260424	0.886037	1.422541	0.154869	0.981636	chr16	19577048	19577247	+	0	NA	intron (N	MSTB1|LTR	21444	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr17-637	7.460186	1.260424	0.886037	1.422541	0.154869	0.981636	chr17	63713164	63713568	+	0	NA	intron (N	intron (N	13028	NR_046273	729683	Hs.534931	NR_046273		LOC729683	-	uncharact	ncRNA
chr7-5990	15.98526	0.904477	0.635898	1.422362	0.154921	0.981636	chr7	59908457	59908731	+	0	NA	Intergeni	ALR/Alpha	2458417	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1246	33.84719	0.647218	0.455181	1.421892	0.155058	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3167745	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-1231	10.76538	1.094239	0.769983	1.421121	0.155282	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	Intergeni	Intergeni	3023	NR_106960	1.02E+08		NR_106960	ENSG00000	MIR7110	hsa-mir-7	microRNA	ncRNA
chr19-183	5.487426	1.467733	1.032838	1.421069	0.155297	0.981636	chr19	18342870	18344069	+	0	NA	intron (N	MIRc|SINE	2871	NM_001329	54858	Hs.131776	NM_017712	ENSG00000	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr10-507	6.418382	-1.37498	0.968	-1.42043	0.155481	0.981636	chr10	50746266	50746465	+	0	NA	intron (N	L1MA8|LIN	6429	NM_001321	653308	Hs.659820	NM_001079	ENSG00000	ASAH2B	ASAH2C|AS	N-acylsph	protein-coding
chr5-9887	6.418382	-1.37498	0.968	-1.42043	0.155481	0.981636	chr5	98871874	98872313	+	0	NA	exon (NM_	exon (NM_	54441	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PII	chromodom	protein-coding
chr7-6657	6.418382	-1.37498	0.968	-1.42043	0.155481	0.981636	chr7	66571346	66571545	+	0	NA	intron (N	MIR3|SINE	20962	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr16-485	6.377243	-1.38127	0.972954	-1.41967	0.155705	0.981636	chr16	48594413	48594636	+	0	NA	intron (N	AluSz6|SI	15656	NM_153029	9683	Hs.511839	NM_153029	ENSG00000	N4BP1	-	NEDD4 bir	protein-coding
chr5-1443	6.377243	-1.38127	0.972954	-1.41967	0.155705	0.981636	chr5	14434373	14434796	+	0	NA	intron (N	L1MC4a|LI	-29399	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr6-8722	7.631746	-1.23585	0.87055	-1.41962	0.155719	0.981636	chr6	87220695	87220989	+	0	NA	intron (N	intron (N	65277	NM_015021	23036	Hs.444800	NM_015021	ENSG00000	ZNF292	Nbla00365	zinc fing	protein-coding
chr9-1073	7.631746	-1.23585	0.87055	-1.41962	0.155719	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	Intergeni	L3|LINE|C	53994	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chr10-740	7.573041	-1.25017	0.881096	-1.41888	0.155933	0.981636	chr10	74015241	74015842	+	0	NA	intron (N	AluSz|SIN	17425	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr2-1277	7.573041	-1.25017	0.881096	-1.41888	0.155933	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	48751	NM_018383	55339	Hs.554831	NM_018383	ENSG00000	WDR33	NET14|WDC	WD repeat	protein-coding
chr1-8508	5.46986	1.457874	1.027958	1.418222	0.156126	0.981636	chr1	85081436	85083456	+	0	NA	intron (N	intron (N	20119	NM_145172	126820	Hs.97933	NM_145172	ENSG00000	WDR63	DIC3|NYD-	WD repeat	protein-coding
chr19-122	5.46986	1.457874	1.027958	1.418222	0.156126	0.981636	chr19	12207998	12209709	+	0	NA	Intergeni	Intergeni	13838	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr7-1497	5.46986	1.457874	1.027958	1.418222	0.156126	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	MIRb|SINE	8361	NM_001290	84626	Hs.299560	NM_032534	ENSG00000	KRBA1	-	KRAB-A dc	protein-coding
chr22-431	8.852968	-1.14004	0.805679	-1.415	0.157067	0.981636	chr22	43161236	43161476	+	0	NA	intron (N	intron (N	9421	NM_001256	706	Hs.202	NM_000714	ENSG00000	TSPO	BPBS|BZRP	transloca	protein-coding
chr2-9293	17.66316	0.834004	0.589453	1.414878	0.157104	0.981636	chr2	92934828	92935157	+	0	NA	Intergeni	ALR/Alpha	993859	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-2282	5.503142	1.460606	1.03246	1.414685	0.157161	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	-70335	NR_073154	574407	Hs.650039	NM_001025	ENSG00000	OBSCN-AS1	C1orf145	OBSCN ant	ncRNA
chr4-2821	5.503142	1.460606	1.03246	1.414685	0.157161	0.981636	chr4	2821434	2821938	+	0	NA	intron (N	AluJb|SIN	2872	NM_003023	6452	Hs.167679	NM_003023	ENSG00000	SH3BP2	3BP-2|3BP	SH3 domai	protein-coding
chr17-315	5.607769	-1.46066	1.033249	-1.41366	0.157462	0.981636	chr17	31591189	31591511	+	0	NA	Intergeni	HAL1ME|LI	15939	NR_029856	1E+08		NR_029856	ENSG00000	MIR365B	MIR365-2|	microRNA	ncRNA
chr18-510	5.607769	-1.46066	1.033249	-1.41366	0.157462	0.981636	chr18	51086476	51086757	+	0	NA	Intergeni	L1MD1|LIN	56403	NM_005359	4089	Hs.75862	NM_005359	ENSG00000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr7-1491	5.607769	-1.46066	1.033249	-1.41366	0.157462	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-13125	NM_001303	8427	Hs.729056	NM_003575	ENSG00000	ZNF282	HUB1	zinc fing	protein-coding
chr2-3930	8.36008	-1.20175	0.850444	-1.41309	0.157629	0.981636	chr2	39304375	39304613	+	0	NA	intron (N	intron (N	-60511	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr10-731	5.633193	-1.4495	1.026072	-1.41267	0.157753	0.981636	chr10	73127234	73127543	+	0	NA	intron (N	intron (N	-1181	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr5-1634	5.633193	-1.4495	1.026072	-1.41267	0.157753	0.981636	chr5	1.63E+08	1.63E+08	+	0	NA	intron (N	L2a|LINE|	5222	NM_001329	134492	Hs.140443	NM_145266	ENSG00000	NUDCD2	NudCL2	NudC doma	protein-coding
chr6-1434	5.633193	-1.4495	1.026072	-1.41267	0.157753	0.981636	chr6	1.43E+08	1.44E+08	+	0	NA	intron (N	L2|LINE|L	11596	NM_032020	2519	Hs.17680	NM_032020	ENSG00000	FUCA2	dJ20N2.5	alpha-L-f	protein-coding
chr19-122	5.462002	1.461419	1.034707	1.412398	0.157833	0.981636	chr19	12244289	12246566	+	0	NA	Intergeni	Intergeni	49185	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KC	zinc fing	protein-coding
chr19-541	5.462002	1.461419	1.034707	1.412398	0.157833	0.981636	chr19	54131686	54131885	+	0	NA	TTS (NM_0	TTS (NM_0	-5977	NM_014516	4849	Hs.343571	NM_014516	ENSG00000	CNOT3	LENG2|NOT	CCR4-NOT	protein-coding
chr20-490	5.462002	1.461419	1.034707	1.412398	0.157833	0.981636	chr20	4900201	4900575	+	0	NA	intron (N	L1M5|LINE	-76780	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr22-411	7.623888	-1.23432	0.874004	-1.41226	0.157872	0.981636	chr22	41120735	41120938	+	0	NA	intron (N	AluJr|SIN	28244	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr11-568	5.674332	-1.44235	1.02136	-1.41219	0.157894	0.981636	chr11	5682894	5683505	+	0	NA	intron (N	LTR12C|LT	1875	NM_033093	85363	Hs.125300	NM_033034	ENSG00000	TRIM5	RNF88|TRI	tripartit	protein-coding
chr3-9966	5.674332	-1.44235	1.02136	-1.41219	0.157894	0.981636	chr3	9966496	9966695	+	0	NA	intron (N	AluSz|SIN	-14180	NM_001318	285368	Hs.598147	NM_207351	ENSG00000	PRRT3	-	proline r	protein-coding
chr19-257	44.62013	0.562612	0.398591	1.411501	0.158097	0.981636	chr19	25736921	25737124	+	0	NA	Intergeni	ALR/Alpha	-1573575	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1544	6.776876	1.304956	0.924929	1.410871	0.158283	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	LTR13A|LT	-41105	NM_001098	126668	Hs.387671	NM_182499	ENSG00000	TDRD10	-	tudor dom	protein-coding
chr14-608	7.555475	-1.26002	0.893311	-1.41051	0.15839	0.981636	chr14	60846758	60846960	+	0	NA	intron (N	L1M4|LINE	112098	NM_002431	4331	Hs.509523	NM_002431	ENSG00000	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr3-1575	7.590607	-1.24072	0.879822	-1.41019	0.158483	0.981636	chr3	15759999	15760409	+	0	NA	intron (N	L1PA13|LI	-3657	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr12-121	6.410524	-1.37303	0.974048	-1.40961	0.158655	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSq|SIN	8180	NM_194271	80196	Hs.292804	NM_025126	ENSG00000	RNF34	CARP-1|CA	ring fing	protein-coding
chr2-4779	6.410524	-1.37303	0.974048	-1.40961	0.158655	0.981636	chr2	47796088	47796545	+	0	NA	intron (N	intron (N	12361	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homc	protein-coding
chr5-7096	7.434762	1.255492	0.890895	1.409248	0.158762	0.981636	chr5	70967156	70967415	+	0	NA	Intergeni	LTR41|LTR	42344	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr9-1141	6.343961	-1.38941	0.986113	-1.40897	0.158843	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA10|LI	-17871	NR_030255	619556		NR_030255	ENSG00000	MIR455	MIRN455|h	microRNA	ncRNA
chr19-267	42.02674	0.581468	0.4128	1.408594	0.158955	0.981636	chr19	26781767	26782831	+	0	NA	Intergeni	ALR/Alpha	-1011132	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-364	10.50424	1.059937	0.752529	1.4085	0.158983	0.981636	chr11	36492057	36492259	+	0	NA	intron (N	L2|LINE|L	18114	NM_145803	7189	Hs.444172	NM_004620	ENSG00000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr1-2120	4.897001	-1.54212	1.095481	-1.40771	0.159216	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L1MA4A|LI	-4358	NR_026911	1E+08	Hs.126774	NR_026911	ENSG00000	RPL21P28	RPL21_8_1	ribosomal	pseudo
chr10-307	4.897001	-1.54212	1.095481	-1.40771	0.159216	0.981636	chr10	3072069	3073552	+	0	NA	intron (N	intron (N	3621	NM_001345	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|P	phosphofr	protein-coding
chr12-112	4.897001	-1.54212	1.095481	-1.40771	0.159216	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	MER53|DNA	-10128	NM_016817	4939	Hs.414332	NM_002535	ENSG00000	OAS2	-	2’-5’-oli	protein-coding
chr5-4365	4.897001	-1.54212	1.095481	-1.40771	0.159216	0.981636	chr5	43651254	43651470	+	0	NA	intron (N	AluSx|SIN	-48132	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr1-2544	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr1	25447071	25448033	+	0	NA	intron (N	Charlie1b	16655	NM_018202	55219	Hs.189782	NM_018202	ENSG00000	MACO1	MACOILIN|	macoilin	protein-coding
chr1-1490	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	52202	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2059	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	AluSx1|SI	3655	NM_177403	338382	Hs.534612	NM_177403	ENSG00000	RAB7B	RAB7	RAB7B, me	protein-coding
chr17-763	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr17	76345933	76346860	+	0	NA	intron (N	intron (N	7520	NM_002766	5635	Hs.77498	NM_002766	ENSG00000	PRPSAP1	PAP39	phosphori	protein-coding
chr19-123	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr19	12380145	12381258	+	0	NA	Intergeni	Intergeni	-15018	NM_001363	79973	Hs.253193	NM_030824	ENSG00000	ZNF442	-	zinc fing	protein-coding
chr19-466	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr19	46651382	46652436	+	0	NA	intron (N	AluSx|SIN	2809	NM_001301	147906	Hs.515490	NM_145056	ENSG00000	DACT3	DAPPER3|F	dishevell	protein-coding
chr2-5375	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr2	53757341	53757760	+	0	NA	intron (N	HERV17-in	-10233	NM_001346	494143	Hs.585944	NM_001008	ENSG00000	CHAC2	GCG1	ChaC cati	protein-coding
chr20-337	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr20	33757617	33758830	+	0	NA	intron (N	L2a|LINE|	26227	NM_001282	84905	Hs.516989	NM_032819	ENSG00000	ZNF341	HIES3	zinc fing	protein-coding
chr3-9098	5.477718	1.454267	1.034327	1.406003	0.159723	0.981636	chr3	90989143	90990108	+	0	NA	Intergeni	ALR/Alpha	1882004	NM_182644	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr13-729	6.178593	1.38964	0.988526	1.405771	0.159792	0.981636	chr13	72922610	72922821	+	0	NA	intron (N	intron (N	-132261	NM_001286	688	Hs.508234	NM_001730	ENSG00000	KLF5	BTEB2|CKL	Kruppel l	protein-coding
chr19-251	14.24362	0.932751	0.663674	1.405434	0.159892	0.981636	chr19	25108820	25109029	+	0	NA	Intergeni	ALR/Alpha	-945477	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-1051	8.724212	1.164891	0.829159	1.404908	0.160049	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	AluY|SINE	12840	NM_147147	11149	Hs.221660	NM_007073	ENSG00000	BVES	CARICK|HE	blood ves	protein-coding
chr1-2358	6.726029	1.294396	0.921346	1.404897	0.160052	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	23002	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr12-235	6.726029	1.294396	0.921346	1.404897	0.160052	0.981636	chr12	23541957	23542245	+	0	NA	intron (N	AluSx|SIN	42485	NM_178010	6660	Hs.434948	NM_006940	ENSG00000	SOX5	L-SOX5|L-	SRY-box t	protein-coding
chr17-682	6.726029	1.294396	0.921346	1.404897	0.160052	0.981636	chr17	68269981	68272868	+	0	NA	exon (NM_	exon (NM_	12242	NM_001352	22901	Hs.437249	NM_014960	ENSG00000	ARSG	USH4	arylsulfa	protein-coding
chr2-1526	6.726029	1.294396	0.921346	1.404897	0.160052	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	76400	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr15-722	8.870534	-1.13214	0.805867	-1.40487	0.16006	0.981636	chr15	72220908	72221230	+	0	NA	intron (N	intron (N	8842	NM_001206	5315	Hs.534770	NM_002654	ENSG00000	PKM	CTHBP|HEI	pyruvate	protein-coding
chr7-7456	5.444436	1.451515	1.033721	1.404166	0.160269	0.981636	chr7	74565524	74566601	+	0	NA	intron (N	intron (N	-29906	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr3-1952	9.205084	1.107973	0.789193	1.403931	0.160339	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	intron (N	-13928	NM_152531	152002	Hs.478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr14-556	7.982197	1.186592	0.845199	1.403919	0.160343	0.981636	chr14	55656479	55656766	+	0	NA	intron (N	AluSx|SIN	76415	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr17-812	7.982197	1.186592	0.845199	1.403919	0.160343	0.981636	chr17	81279505	81279788	+	0	NA	intron (N	intron (N	15661	NM_001037	124565	Hs.352240	NM_138570	ENSG00000	SLC38A10	PP1744	solute ca	protein-coding
chr2-2307	7.547617	-1.25863	0.896894	-1.40332	0.160522	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluJb|SIN	2199	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr7-1404	13.68833	0.958976	0.683423	1.403195	0.160559	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	TTS (NM_0	TTS (NM_0	23762	NM_013446	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr1-1680	9.246224	1.107996	0.79001	1.402508	0.160763	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	8160	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2354	9.509216	1.15614	0.824341	1.402502	0.160765	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSq2|SI	67897	NM_001287	6905	Hs.744998	NM_003193	ENSG00000	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr8-1886	6.718171	1.297206	0.925654	1.401393	0.161097	0.981636	chr8	18867306	18867583	+	0	NA	intron (N	intron (N	19613	NM_001362	23362	Hs.434255	NM_015310	ENSG00000	PSD3	EFA6D|EFA	pleckstri	protein-coding
chr6-7519	12.54576	-0.95287	0.680205	-1.40086	0.161255	0.981636	chr6	75193010	75195077	+	0	NA	intron (N	L1PA5|LIN	12010	NM_080645	1303	Hs.101302	NM_004370	ENSG00000	COL12A1	BA209D8.1	collagen	protein-coding
chr4-3975	8.829395	-1.13616	0.811124	-1.40073	0.161296	0.981636	chr4	39755899	39756100	+	0	NA	intron (N	intron (N	57863	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitir	protein-coding
chr1-3173	6.75931	1.296867	0.925947	1.400585	0.161338	0.981636	chr1	31738696	31740426	+	0	NA	exon (NM_	exon (NM_	19174	NR_036216	1E+08		NR_036216	ENSG00000	MIR4254	-	microRNA	ncRNA
chr1-2123	6.75931	1.296867	0.925947	1.400585	0.161338	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	27072	NR_004389	692157	Hs.707958	NR_004389	ENSG00000	SNORA16B	U98b	small nuc	snoRNA
chr11-126	6.75931	1.296867	0.925947	1.400585	0.161338	0.981636	chr11	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	-43744	NR_046986	1.01E+08	Hs.319053	NR_046986	ENSG00000	KIRREL3-A	-	KIRREL3 a	ncRNA
chr3-1264	7.385764	1.258317	0.898426	1.40058	0.16134	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	TTS (NM_1	TTS (NM_1	38722	NM_025112	79364	Hs.440049	NM_025112	ENSG00000	ZXDC	ZXDL	ZXD famil	protein-coding
chr14-229	4.889143	-1.53998	1.099586	-1.40051	0.161361	0.981636	chr14	22945311	22945723	+	0	NA	TTS (NM_0	TTS (NM_0	11512	NR_039856	1.01E+08		NR_039856	ENSG00000	MIR4707	mir-4707	microRNA	ncRNA
chr22-463	4.889143	-1.53998	1.099586	-1.40051	0.161361	0.981636	chr22	46308554	46309052	+	0	NA	exon (NM_	exon (NM_	11933	NM_016426	51512	Hs.386189	NM_016426	ENSG00000	GTSE1	B99	G2 and S-	protein-coding
chr4-1733	4.889143	-1.53998	1.099586	-1.40051	0.161361	0.981636	chr4	1733068	1733866	+	0	NA	intron (N	AluJb|SIN	11946	NM_006342	10460	Hs.104019	NM_006342	ENSG00000	TACC3	ERIC-1|ER	transform	protein-coding
chr4-1139	4.889143	-1.53998	1.099586	-1.40051	0.161361	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	75288	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr20-506	4.930283	-1.53159	1.09434	-1.39955	0.161647	0.981636	chr20	50685765	50686094	+	0	NA	intron (N	L1ME3G|LI	5613	NR_110890	140876	Hs.372578	NM_080829	ENSG00000	RIPOR3	C20orf175	RIPOR fam	protein-coding
chr13-102	8.894108	-1.13597	0.812303	-1.39846	0.161976	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L2a|LINE|	-12310	NR_026965	121952	Hs.660773	NR_026965	ENSG00000	METTL21EP	METTL21CP	methyltra	pseudo
chrX-4067	5.436578	1.455054	1.040555	1.398344	0.16201	0.981636	chrX	40670537	40670948	+	0	NA	intron (N	AluYb8|SI	-23181	NM_001330	159013	Hs.495961	NM_144970	ENSG00000	CXorf38	-	chromosom	protein-coding
chr19-798	7.65717	-1.22779	0.878042	-1.39832	0.162016	0.981636	chr19	798475	798961	+	0	NA	intron (N	CpG	1266	NM_031990	5725	Hs.172550	NM_002819	ENSG00000	PTBP1	HNRNP-I|H	polypyrim	protein-coding
chr1-1217	38.59149	0.594964	0.425647	1.397786	0.162177	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	245491	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-158	4.254831	1.735055	1.241376	1.397686	0.162207	0.981636	chr17	1584047	1585439	+	0	NA	intron (N	AluY|SINE	20291	NM_001284	124935	Hs.160550	NM_152346	ENSG00000	SLC43A2	LAT4	solute ca	protein-coding
chr11-183	9.22265	1.114078	0.797161	1.397557	0.162246	0.981636	chr11	18309776	18310038	+	0	NA	intron (N	AluJb|SIN	12233	NM_007216	11234	Hs.437599	NM_007216	ENSG00000	HPS5	AIBP63|BL	HPS5 biog	protein-coding
chr10-145	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr10	14548181	14548874	+	0	NA	5’ UTR (N	5’ UTR (N	110	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr16-692	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr16	69289126	69289799	+	0	NA	intron (N	L1MA4A|LI	-21888	NM_013245	27183	Hs.128420	NM_013245	ENSG00000	VPS4A	SKD1|SKD1	vacuolar	protein-coding

chr20-603	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr20	6032876	6033549	+	0	NA	intron (N	AluSq2|SI	20848	NM_152611	164312	Hs.149133	NM_152611	ENSG00000	LRRN4	C20orf75|	leucine r	protein-coding
chr20-585	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr20	58528998	58531606	+	0	NA	intron (N	L1ME1|LIN	-14903	NM_153360	164284	Hs.119286	NM_153360	ENSG00000	APCDD1L	-	APC down-	protein-coding
chr3-1806	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	TTS (NM_0	TTS (NM_0	16145	NM_001042	151613	Hs.43213	NM_133462	ENSG00000	TTC14	DRDL5813|	tetratric	protein-coding
chr8-2333	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr8	23334285	23334615	+	0	NA	intron (N	intron (N	-1758	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr9-1150	4.922425	-1.52942	1.094359	-1.39755	0.162249	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	57228	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|D	tenascin	protein-coding
chr1-1505	7.956774	1.182053	0.845938	1.397327	0.162315	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-3035	NM_022664	1893	Hs.81071	NM_004425	ENSG00000	ECM1	URBWD	extracell	protein-coding
chr15-233	7.956774	1.182053	0.845938	1.397327	0.162315	0.981636	chr15	23311286	23311783	+	0	NA	intron (N	intron (N	189	NR_145479	1.01E+08		NR_145479		HERC2P11	-	hect doma	pseudo
chr18-172	7.956774	1.182053	0.845938	1.397327	0.162315	0.981636	chr18	17240247	17240454	+	0	NA	Intergeni	ALR/Alpha	-1914431	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr7-1062	7.956774	1.182053	0.845938	1.397327	0.162315	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	15932	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	1110035O1	nicotinam	protein-coding
chr9-1047	7.956774	1.182053	0.845938	1.397327	0.162315	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSc|SIN	27539	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr1-1136	5.599911	-1.45884	1.044484	-1.39671	0.162501	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	85808	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr20-327	5.599911	-1.45884	1.044484	-1.39671	0.162501	0.981636	chr20	32701946	32702264	+	0	NA	TTS (NM_0	TTS (NM_0	-28164	NM_182584	284805	Hs.353262	NM_182584	ENSG00000	C20orf203	-	chromosom	protein-coding
chr8-1233	5.599911	-1.45884	1.044484	-1.39671	0.162501	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-11115	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA
chr19-256	12.21216	0.960881	0.688102	1.396422	0.162587	0.981636	chr19	25693106	25693327	+	0	NA	Intergeni	ALR/Alpha	-1529769	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-130	5.582346	-1.47256	1.055282	-1.39542	0.162891	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	Intergeni	AluJo|SIN	-3993	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr14-503	5.625335	-1.44746	1.037347	-1.39535	0.162911	0.981636	chr14	50356190	50356529	+	0	NA	intron (N	intron (N	40522	NM_004196	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|P	cyclin de	protein-coding
chr1-3136	6.733887	1.291579	0.925637	1.395341	0.162913	0.981636	chr1	31364806	31365427	+	0	NA	TTS (NM_0	TTS (NM_0	7960	NM_004102	2170	Hs.576372	NM_004102	ENSG00000	FABP3	FABP11|H-	fatty aci	protein-coding
chr1-2078	6.733887	1.291579	0.925637	1.395341	0.162913	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-5228	NR_026817	148696	Hs.125511	NM_001039568		LOC148696	-	uncharact	ncRNA
chr8-4317	6.733887	1.291579	0.925637	1.395341	0.162913	0.981636	chr8	43170476	43171175	+	0	NA	intron (N	intron (N	30361	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr12-163	6.887697	-1.27369	0.912944	-1.39514	0.162973	0.981636	chr12	1632139	1632476	+	0	NA	intron (N	L2c|LINE|	3076	NM_032642	81029	Hs.306051	NM_030775	ENSG00000	WNT5B	-	Wnt famil	protein-coding
chr17-161	6.887697	-1.27369	0.912944	-1.39514	0.162973	0.981636	chr17	16163773	16164038	+	0	NA	intron (N	L1MB7|LIN	-10709	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-103	6.887697	-1.27369	0.912944	-1.39514	0.162973	0.981636	chr19	10390379	10390665	+	0	NA	TTS (NM_0	TTS (NM_0	-9950	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr7-1008	6.887697	-1.27369	0.912944	-1.39514	0.162973	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-23673	NM_001363	56996	Hs.521087	NM_020246	ENSG00000	SLC12A9	CCC6|CIP1	solute ca	protein-coding
chr8-1332	6.887697	-1.27369	0.912944	-1.39514	0.162973	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	non-codin	non-codin	37071	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chr13-362	6.700605	1.289113	0.924008	1.395132	0.162976	0.981636	chr13	36247146	36247618	+	0	NA	intron (N	Tigger1|D	-32767	NM_001282	54937	Hs.124519	NM_017826	ENSG00000	SOHLH2	SOSF2|SPA	spermatog	protein-coding
chr17-640	6.700605	1.289113	0.924008	1.395132	0.162976	0.981636	chr17	64046008	64046291	+	0	NA	intron (N	intron (N	-25515	NM_001099	3384	Hs.431460	NM_000873	ENSG00000	ICAM2	CD102	intercell	protein-coding
chr2-2769	7.948916	1.184375	0.849012	1.395003	0.163015	0.981636	chr2	27695842	27696148	+	0	NA	Intergeni	Intergeni	19737	NR_135200	1E+08	Hs.515878	NR_135200	ENSG00000	LINC01460	-	long inte	ncRNA
chr8-1054	7.582749	-1.23921	0.888431	-1.39483	0.163067	0.981636	chr8	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	174168	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing	protein-coding
chr6-5252	6.895555	-1.2753	0.914423	-1.39465	0.163123	0.981636	chr6	52529350	52530927	+	0	NA	intron (N	MER53|DNA	46922	NM_012288	9697	Hs.520182	NM_012288	ENSG00000	TRAM2	-	transloca	protein-coding
chr20-281	5.658617	-1.4382	1.032043	-1.39355	0.163454	0.981636	chr20	28118593	28118792	+	0	NA	Intergeni	ALR/Alpha	483973	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-1332	5.658617	-1.4382	1.032043	-1.39355	0.163454	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	30676	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-1110	5.658617	-1.4382	1.032043	-1.39355	0.163454	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	26374	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr5-4909	10.01366	1.0987	0.789227	1.392122	0.163886	0.981636	chr5	49096248	49096467	+	0	NA	Intergeni	ALR/Alpha	1344931	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-2784	5.452294	1.447825	1.040173	1.391908	0.16395	0.981636	chr6	27845387	27845772	+	0	NA	Intergeni	Intergeni	6917	NM_003520	8341	Hs.534368	NM_003520	ENSG00000	HIST1H2BN	H2B/d|H2B	histone c	protein-coding
chr6-4156	5.452294	1.447825	1.040173	1.391908	0.16395	0.981636	chr6	41566731	41567015	+	0	NA	intron (N	intron (N	-18252	NR_126415	1.01E+08	Hs.571099	NR_126415	ENSG00000	FOXP4-AS1	-	FOXP4 ant	ncRNA
chr4-7621	6.879839	-1.27207	0.914199	-1.39145	0.164088	0.981636	chr4	762179	762567	+	0	NA	intron (N	intron (N	19475	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr5-4313	6.879839	-1.27207	0.914199	-1.39145	0.164088	0.981636	chr5	43135517	43135718	+	0	NA	intron (N	AluSz|SIN	14052	NM_001330	7690	Hs.535804	NM_003432	ENSG00000	ZNF131	ZBTB35|pH	zinc fing	protein-coding
chr6-7514	6.879839	-1.27207	0.914199	-1.39145	0.164088	0.981636	chr6	75147248	75156865	+	0	NA	intron (N	intron (N	-23274	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr7-2333	6.879839	-1.27207	0.914199	-1.39145	0.164088	0.981636	chr7	23330673	23331642	+	0	NA	intron (N	intron (N	31818	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochond	protein-coding
chr19-233	9.195376	1.099966	0.79092	1.390742	0.164304	0.981636	chr19	23344503	23345218	+	0	NA	Intergeni	MER48|LTR	50611	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr12-544	4.914567	-1.52717	1.098625	-1.39008	0.164506	0.981636	chr12	54414594	54415017	+	0	NA	intron (N	AluY|SINE	4461	NM_002205	3678	Hs.505654	NM_002205	ENSG00000	ITGA5	CD49e|FNR	integrin	protein-coding
chr1-1544	7.964632	1.179709	0.849184	1.389225	0.164764	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-22870	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr1-1628	7.964632	1.179709	0.849184	1.389225	0.164764	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	14526	NM_016371	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1847	7.964632	1.179709	0.849184	1.389225	0.164764	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	17643	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr1-1973	8.821537	-1.13485	0.817018	-1.38901	0.164829	0.981636	chr1	19730217	19730571	+	0	NA	intron (N	MLT1I|LTR	65519	NM_000871	3362	Hs.22180	NM_000871	ENSG00000	HTR6	5-HT6|5-H	5-hydroxy	protein-coding
chr10-499	8.821537	-1.13485	0.817018	-1.38901	0.164829	0.981636	chr10	49947371	49947755	+	0	NA	intron (N	AluSx1|SI	5510	NR_158659	1.13E+08		NR_158654		TIMM23B-A	-	TIMM23B-A	ncRNA
chr1-1633	4.881285	-1.53783	1.108346	-1.3875	0.165289	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	L1MEc|LIN	9729	NM_145697	83540	Hs.651950	NM_031423	ENSG00000	NUF2	CDCA1|CT1	NUF2 comp	protein-coding
chr11-862	4.881285	-1.53783	1.108346	-1.3875	0.165289	0.981636	chr11	86253034	86253286	+	0	NA	intron (N	intron (N	8407	NM_003797	8726	Hs.503510	NM_003797	ENSG00000	EED	COGIS|HEE	embryonic	protein-coding
chr12-956	4.881285	-1.53783	1.108346	-1.3875	0.165289	0.981636	chr12	95665125	95665538	+	0	NA	intron (N	intron (N	16076	NR_077225	1E+08	Hs.676211	NR_077225	ENSG00000	PGAM1P5	-	phosphogl	pseudo
chr20-563	4.881285	-1.53783	1.108346	-1.3875	0.165289	0.981636	chr20	56372061	56373505	+	0	NA	intron (N	intron (N	13809	NM_080821	116151	Hs.143736	NM_080821	ENSG00000	FAM210B	5A3|C20or	family wi	protein-coding
chr15-909	9.279505	1.110032	0.800275	1.387062	0.165423	0.981636	chr15	90911401	90911602	+	0	NA	non-codin	non-codin	7311	NR_135504	4122	Hs.116459	NM_006122	ENSG00000	MAN2A2	MANA2X	mannosida	protein-coding
chr2-3228	9.279505	1.110032	0.800275	1.387062	0.165423	0.981636	chr2	32282411	32282615	+	0	NA	intron (N	AluSx4|SI	4609	NM_032312	84272	Hs.468099	NM_032312	ENSG00000	YIPF4	FinGER4|N	Yip1 doma	protein-coding
chr16-704	7.93135	1.17748	0.849088	1.386758	0.165515	0.981636	chr16	70463586	70464263	+	0	NA	intron (N	intron (N	9329	NM_145059	197258	Hs.7907	NM_145059	ENSG00000	FCSK	1110046B1	fucose ki	protein-coding
chr7-1165	6.846557	-1.27918	0.922568	-1.38655	0.165581	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	6576	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr9-5057	6.846557	-1.27918	0.922568	-1.38655	0.165581	0.981636	chr9	5057703	5057902	+	0	NA	intron (N	AluSx3|SI	16109	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr17-512	4.743561	1.536617	1.108303	1.38646	0.165607	0.981636	chr17	51220761	51221372	+	0	NA	intron (N	AluJr|SIN	38983	NM_017643	54799	Hs.656803	NM_017643	ENSG00000	MBTD1	SA49P01	mbt domai	protein-coding
chrX-5365	4.178375	-1.65366	1.19316	-1.38595	0.165762	0.981636	chrX	53651345	53651903	+	0	NA	intron (N	MER2|DNA|	35095	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr7-7648	6.211875	1.391778	1.004456	1.385603	0.165868	0.981636	chr7	76480426	76481103	+	0	NA	exon (NM_	exon (NM_	254	NM_001102	113878	Hs.187058	NM_020892	ENSG00000	DTX2	RNF58	deltex E3	protein-coding
chr17-473	6.708463	1.286253	0.928321	1.385569	0.165879	0.981636	chr17	47397685	47398103	+	0	NA	intron (N	SVA_D|Ret	73939	NM_152347	124989	Hs.463303	NM_152347	ENSG00000	EFCAB13	C17orf57	EF-hand c	protein-coding
chr2-3210	6.708463	1.286253	0.928321	1.385569	0.165879	0.981636	chr2	32105823	32106681	+	0	NA	intron (N	L1PA5|LIN	42641	NM_199436	6683	Hs.468091	NM_014946	ENSG00000	SPAST	ADPSP|FSP	spastin	protein-coding
chr2-2312	5.419013	1.444997	1.043741	1.38444	0.166224	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L1ME3A|LI	69430	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-294	15.71582	0.849406	0.613766	1.383925	0.166381	0.981636	chr20	29458188	29459631	+	0	NA	TTS (NR_1	TTS (NR_1	10392	NR_134504	1.05E+08	Hs.702270	NR_134504		LOC105379	-	uncharact	ncRNA
chr20-264	39.26509	0.596961	0.431355	1.38392	0.166383	0.981636	chr20	26470228	26470461	+	0	NA	Intergeni	ALR/Alpha	-261111	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-467	6.147161	1.402575	1.013486	1.383911	0.166386	0.981636	chr17	46710920	46711235	+	0	NA	exon (NM_	exon (NM_	107615	NM_030753	7473	Hs.445884	NM_030753	ENSG00000	WNT3	INT4|TETA	Wnt famil	protein-coding
chr1-1247	140.3411	0.403545	0.291608	1.383862	0.166401	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3259081	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-636	4.170517	-1.65116	1.193276	-1.38372	0.166445	0.981636	chr10	63621311	63621784	+	0	NA	3’ UTR (N	3’ UTR (N	-99657	NM_001318	221037	Hs.413416	NM_004241	ENSG00000	JMJD1C	KDM3C|TRI	jumonji c	protein-coding
chr13-338	4.170517	-1.65116	1.193276	-1.38372	0.166445	0.981636	chr13	33831070	33831726	+	0	NA	intron (N	intron (N	13249	NM_002915	5983	Hs.115474	NM_002915	ENSG00000	RFC3	RFC38	replicati	protein-coding
chr2-8760	4.170517	-1.65116	1.193276	-1.38372	0.166445	0.981636	chr2	87607037	87607960	+	0	NA	Intergeni	L1MDa|LIN	-22257	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr4-8235	4.170517	-1.65116	1.193276	-1.38372	0.166445	0.981636	chr4	82351538	82352408	+	0	NA	TTS (NM_0	TTS (NM_0	22018	NM_031370	3184	Hs.480073	NM_002138	ENSG00000	HNRNPD	AUF1|AUF1	heterogen	protein-coding
chr1-1092	6.871981	-1.27042	0.918233	-1.38355	0.166496	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	9491	NM_006513	6301	Hs.531176	NM_006513	ENSG00000	SARS	NEDMAS|SE	seryl-tRN	protein-coding
chr15-341	6.871981	-1.27042	0.918233	-1.38355	0.166496	0.981636	chr15	34146958	34147184	+	0	NA	intron (N	intron (N	44988	NM_152595	161779	Hs.156317	NM_152595	ENSG00000	PGBD4	-	piggyBac	protein-coding
chrX-6573	6.871981	-1.27042	0.918233	-1.38355	0.166496	0.981636	chrX	65737984	65738413	+	0	NA	intron (N	intron (N	70544	NM_002444	4478	Hs.87752	NM_002444	ENSG00000	MSN	HEL70|IMD	moesin	protein-coding
chr8-6656	4.152951	-1.66912	1.206567	-1.38336	0.166555	0.981636	chr8	66561672	66562267	+	0	NA	TTS (NM_0	TTS (NM_0	51249	NM_001080	4603	Hs.445898	NM_001080	ENSG00000	MYBL1	A-MYB|AMY	MYB proto	protein-coding
chr19-579	4.751419	1.53249	1.108105	1.382982	0.16667	0.981636	chr19	57974387	57975049	+	0	NA	promoter-	promoter-	-184	NM_152474	147685	Hs.134209	NM_152474	ENSG00000	C19orf18	-	chromosom	protein-coding
chr5-4918	39.68541	0.587832	0.425684	1.38091	0.167307	0.981636	chr5	49182269	49183335	+	0	NA	Intergeni	ALR/Alpha	1258486	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-640	6.675181	1.283752	0.929757	1.380739	0.167359	0.981636	chr11	6400764	6400963	+	0	NA	intron (N	intron (N	3828	NM_001257	322	Hs.372840	NM_001164	ENSG00000	APBB1	FE65|MGC:	amyloid b	protein-coding
chr11-832	6.675181	1.283752	0.929757	1.380739	0.167359	0.981636	chr11	83212838	83213189	+	0	NA	exon (NM_	exon (NM_	19301	NM_001300	338699	Hs.503438	NM_182603	ENSG00000	ANKRD42	PPP1R79|S	ankyrin r	protein-coding
chr5-6600	8.919532	-1.12914	0.818268	-1.37991	0.167613	0.981636	chr5	66001932	66002131	+	0	NA	intron (N	L1PA8|LIN	-56458	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr8-1711	8.919532	-1.12914	0.818268	-1.37991	0.167613	0.981636	chr8	17112042	17112241	+	0	NA	intron (N	THE1D|LTR	-44341	NM_016353	51201	Hs.728241	NM_016353	ENSG00000	ZDHHC2	DHHC2|ZNF	zinc fing	protein-coding
chr20-264	20.29769	0.757855	0.549447	1.379306	0.1678	0.981636	chr20	26498552	26498937	+	0	NA	Intergeni	ALR/Alpha	-289511	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-550	6.91312	-1.26495	0.917161	-1.3792	0.167834	0.981636	chr14	55066854	55067158	+	0	NA	3’ UTR (N	3’ UTR (N	15359	NM_144578	93487	Hs.594338	NM_144578	ENSG00000	MAPK1IP1L	C14orf32|	mitogen-a	protein-coding
chr1-7827	7.939208	1.175102	0.852353	1.378657	0.168001	0.981636	chr1	7827170	7827902	+	0	NA	exon (NM_	exon (NM_	25529	NM_006786	10911	Hs.715862	NM_006786	ENSG00000	UTS2	PRO1068|U	urotensin	protein-coding
chr1-2358	7.939208	1.175102	0.852353	1.378657	0.168001	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	exon (NM_	exon (NM_	46779	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr10-877	7.939208	1.175102	0.852353	1.378657	0.168001	0.981636	chr10	87743387	87743633	+	0	NA	exon (NM_	exon (NM_	74721	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr2-1214	7.939208	1.175102	0.852353	1.378657	0.168001	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-112009	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr11-752	5.411155	1.448559	1.050709	1.378649	0.168003	0.981636	chr11	75273618	75273933	+	0	NA	intron (N	intron (N	33001	NM_001195	1.01E+08	Hs.577323	NM_001195	ENSG00000	TPBGL	-	trophobla	protein-coding
chr14-963	5.411155	1.448559	1.050709	1.378649	0.168003	0.981636	chr14	96310346	96310893	+	0	NA	intron (N	MIRc|SINE	52722	NM_018036	55102	Hs.168241	NM_018036	ENSG00000	ATG2B	C14orf103	autophagy	protein-coding
chr5-4771	19.1765	0.774683	0.562015	1.378401	0.168079	0.981636	chr5	47718440	47719621	+	0	NA	Intergeni	ALR/Alpha	-2022650	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-1101	8.093203	-1.15983	0.841945	-1.37756	0.168339	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-20684	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr18-123	6.667323	1.286554	0.934134	1.377269	0.168429	0.981636	chr18	12364242	12364441	+	0	NA	intron (N	L1ME3C|LI	12935	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr17-593	6.767168	1.293975	0.93973	1.376965	0.168523	0.981636	chr17	59390116	59390527	+	0	NA	intron (N	intron (N	24238	NR_039882	1.01E+08		NR_039882	ENSG00000	MIR4729	-	microRNA	ncRNA
chr8-1130	4.906709	-1.52482	1.107394	-1.37694	0.16853	0.981636	chr8	11303205	11303729	+	0	NA	intron (N	HAL1|LINE	18651	NM_015458	66036	Hs.591395	NM_015458	ENSG00000	MTMR9	C8orf9|LI	myotubula	protein-coding
chr1-2123	4.718137	1.529427	1.110817	1.376849	0.168559	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L1PA5|LIN	23179	NM_018252	55248	Hs.445386	NM_018252	ENSG00000	PACC1	C1orf75|F	proton ac	protein-coding
chr10-409	53.16853	0.533116	0.387303	1.376482	0.168672	0.981636	chr10	40971781	40971989	+	0	NA	Intergeni	ALR/Alpha	1396160	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-116	6.821133	-1.28832	0.936316	-1.37594	0.16884	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-37414	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr10-500	12.16917	0.953093	0.692846	1.375621	0.168939	0.981636	chr10	50087909	50088130	+	0	NA	intron (N	AluSq|SIN	20065	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr15-504	6.905262	-1.2633	0.918426	-1.3755	0.168976	0.981636	chr15	50449639	50450327	+	0	NA	intron (N	AluYe5|SI	25578	NM_001128	9101	Hs.443731	NM_005154	ENSG00000	USP8	HumORF8|F	ubiquitin	protein-coding
chr3-1055	6.905262	-1.2633	0.918426	-1.3755	0.168976	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	TTS (NM_0	TTS (NM_0	210041	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr7-7423	6.905262	-1.2633	0.918426	-1.3755	0.168976	0.981636	chr7	74231504	74231949	+	0	NA	3’ UTR (N	3’ UTR (N	21720	NM_014146	7462	Hs.741249	NM_014146	ENSG00000	LAT2	HSPC046|I	linker fo	protein-coding
chr2-2009	4.162659	-1.64862	1.198647	-1.3754	0.169007	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	non-codin	non-codin	18267	NM_001142	60491	Hs.145284	NM_021824	ENSG00000	NIF3L1	ALS2CR1|C	NGG1 inte	protein-coding
chr4-1139	4.162659	-1.64862	1.198647	-1.3754	0.169007	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	27186	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr14-104	8.126484	-1.15402	0.839216	-1.37512	0.169095	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	18322	NM_021709	10572	Hs.112058	NM_006427	ENSG00000	SIVA1	CD27BP|SI	SIVA1 apo	protein-coding
chr1-1099	6.838699	-1.27761	0.92956	-1.37442	0.16931	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	2763	NM_172212	1435	Hs.173894	NM_000757	ENSG00000	CSF1	CSF-1|MCS	colony st	protein-coding
chr16-716	6.838699	-1.27761	0.92956	-1.37442	0.16931	0.981636	chr16	71647577	71647871	+	0	NA	3’ UTR (N	3’ UTR (N	21540	NM_052858	91862	Hs.513706	NM_052858	ENSG00000	MARVELD3	MARVD3|MF	MARVEL do	protein-coding
chr8-2332	6.838699	-1.27761	0.92956	-1.37442	0.16931	0.981636	chr8	23328296	23328717	+	0	NA	exon (NM_	exon (NM_	-7702	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr1-2368	5.485576	1.450314	1.055593	1.373934	0.169462	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	100060	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr11-118	8.118627	-1.15262	0.839064	-1.3737	0.169535	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	AluJo|SIN	42283	NM_005933	4297	Hs.258855	NM_005933	ENSG00000	KMT2A	ALL-1|CXX	lysine me	protein-coding
chr17-376	8.118627	-1.15262	0.839064	-1.3737	0.169535	0.981636	chr17	37641082	37641503	+	0	NA	intron (N	AluY|SINE	2154	NM_001291	11056	Hs.590937	NM_007010	ENSG00000	DDX52	HUSSY19|R	DExD-box	protein-coding
chr5-1494	8.118627	-1.15262	0.839064	-1.3737	0.169535	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-1611	NR_029684	406935		NR_029684	ENSG00000	MIR143	MIRN143|m	microRNA	ncRNA
chr11-612	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr11	61284956	61286515	+	0	NA	intron (N	intron (N	9581	NM_152718	220001	Hs.60640	NM_152718	ENSG00000	VWCE	URG11|VWC	von Wille	protein-coding
chr16-669	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr16	66921633	66922940	+	0	NA	exon (NM_	exon (NM_	3249	NM_004165	6236	Hs.1027	NM_004165	ENSG00000	RRAD	RAD|RAD1|	RRAD, Ras	protein-coding
chr19-183	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr19	18346171	18347071	+	0	NA	intron (N	(TC)n|Sim	6023	NM_001329	54858	Hs.131776	NM_017712	ENSG00000	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr2-1355	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSz|SIN	-14334	NM_001282	23518	Hs.412462	NM_015361	ENSG00000	R3HDM1	R3HDM	R3H domai	protein-coding
chr20-623	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr20	62350841	62351699	+	0	NA	intron (N	intron (N	-1740	NR_109923	1.02E+08	Hs.473256	NR_109922	ENSG00000	LAMA5-AS1	-	LAMA5 ant	ncRNA
chr8-1439	4.725995	1.525281	1.110459	1.373559	0.169579	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	MLT1D|LTR	-8451	NM_201379	5339	Hs.434248	NM_000445	ENSG00000	PLEC	EBS1|EBSM	plectin	protein-coding
chr18-937	8.880242	-1.1226	0.817445	-1.3733	0.169658	0.981636	chr18	9374571	9374883	+	0	NA	intron (N	L1MCa|LIN	39954	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr3-5311	4.137236	-1.66417	1.212213	-1.37284	0.169802	0.981636	chr3	53110957	53111862	+	0	NA	intron (N	AluY|SINE	19026	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr4-4884	8.085345	-1.15845	0.844033	-1.37251	0.169904	0.981636	chr4	48844361	48844724	+	0	NA	intron (N	AluSx3|SI	13236	NM_001168	54940	Hs.518750	NM_017830	ENSG00000	OCIAD1	ASRIJ|OCI	OCIA doma	protein-coding
chr11-576	7.905926	1.172832	0.854749	1.372135	0.170021	0.981636	chr11	57675858	57676158	+	0	NA	intron (N	intron (N	7894	NM_015457	25921	Hs.27239	NM_015457	ENSG00000	ZDHHC5	DHHC5|ZNF	zinc fing	protein-coding
chr3-5727	7.905926	1.172832	0.854749	1.372135	0.170021	0.981636	chr3	57270006	57270274	+	0	NA	3’ UTR (N	3’ UTR (N	574	NR_135535	1.05E+08	Hs.745243	NR_135535		LOC105377	-	uncharact	ncRNA
chr6-1496	7.905926	1.172832	0.854749	1.372135	0.170021	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	25286	NM_007044	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr1-2066	10.93057	0.994173	0.724555	1.372115	0.170028	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	9500	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr1-2574	6.741745	1.288605	0.939427	1.371693	0.170159	0.981636	chr1	25749501	25749700	+	0	NA	intron (N	intron (N	-50593	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding

chr17-821	6.741745	1.288605	0.939427	1.371693	0.170159	0.981636	chr17	82170931	82171733	+	0	NA	intron (	intron (	41510	NM_001316	284001	Hs.631724	NM_152675	ENSG0000	CCDC57	-	coiled-cc	protein-coding
chr15-896	6.864123	-1.26874	0.925178	-1.37135	0.170267	0.981636	chr15	89637136	89637579	+	0	NA	intron (	L1PA3|LIN	18110	NM_198525	374654	Hs.513134	NM_198525	ENSG0000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr3-114	6.864123	-1.26874	0.925178	-1.37135	0.170267	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	12009	NM_024638	79691	Hs.477162	NM_024638	ENSG0000	QTRT2	QTRTD1	queuine t	protein-coding
chr5-1135	6.864123	-1.26874	0.925178	-1.37135	0.170267	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	65967	NM_001345	64848	Hs.231942	NM_022828	ENSG0000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-8769	6.864123	-1.26874	0.925178	-1.37135	0.170267	0.981636	chr6	87696527	87696919	+	0	NA	intron (	intron (	5510	NM_018064	55122	Hs.485915	NM_018064	ENSG0000	AKIRIN2	C6orf166|	akirin 2	protein-coding
chr16-277	6.683039	1.280833	0.934116	1.371172	0.170321	0.981636	chr16	27727583	27727878	+	0	NA	intron (	L1MC5a|LI	-8701	NR_147898	1E+08	Hs.610277	NR_147898		LOC100128	-	uncharact	ncRNA
chr19-161	6.683039	1.280833	0.934116	1.371172	0.170321	0.981636	chr19	1612443	1613146	+	0	NA	intron (	intron (	-7332	NM_00683	10975	Hs.8372	NM_00683	ENSG0000	UQCR11	0710008D	ubiquinol	protein-coding
chrX-7138	6.683039	1.280833	0.934116	1.371172	0.170321	0.981636	chrX	71389943	71391024	+	0	NA	intron (	intron (	24126	NR_104387	6872	Hs.15856	NM_004606	ENSG0000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr8-1177	8.067779	-1.16728	0.851484	-1.37087	0.170414	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	Intergeni	L1PREC2|L	144007	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr9-9595	10.96385	0.995961	0.727405	1.369198	0.170937	0.981636	chr9	95958301	95959278	+	0	NA	intron (	L1PA3|LIN	63022	NR_024129	1E+08	Hs.43431	NR_024129	ENSG0000	LINC00092	NCRNA0009	long inte	ncRNA
chr14-754	8.110769	-1.15121	0.841142	-1.36863	0.171116	0.981636	chr14	75443137	75443336	+	0	NA	intron (	intron (	11102	NM_001135	122953	Hs.196482	NM_130469	ENSG0000	JDP2	JUNDM2	Jun dimer	protein-coding
chr6-7512	8.110769	-1.15121	0.841142	-1.36863	0.171116	0.981636	chr6	75121737	75130595	+	0	NA	intron (	intron (	2616	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chrX-3057	8.110769	-1.15121	0.841142	-1.36863	0.171116	0.981636	chrX	305759	307264	+	0	NA	intron (	intron (	12308	NM_012227	8225	Hs.437145	NM_012227	ENSG0000	GTPBP6	PGPL	GTP bindi	protein-coding
chr1-1494	12.69118	0.92203	0.674145	1.367703	0.171405	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	3711	NM_001351	1.01E+08	Hs.44508	NM_001351	ENSG0000	NBPF19	-	NBPF memb	protein-coding
chr17-618	6.897404	-1.26157	0.92249	-1.36757	0.171445	0.981636	chr17	61820732	61820936	+	0	NA	intron (	AluSz|SIN	42725	NM_032043	83990	Hs.128903	NM_032043	ENSG0000	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr2-2245	6.897404	-1.26157	0.92249	-1.36757	0.171445	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (	Tigger2a|	56835	NM_001257	8452	Hs.372286	NM_00359	ENSG0000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr17-426	9.725246	1.048146	0.766459	1.367518	0.171463	0.981636	chr17	42614592	42616045	+	0	NA	TTS (NM_	TTS (NM_	5635	NM_00107	7283	Hs.279669	NM_00107	ENSG0000	TUBG1	CDCBM4|GC	tubulin g	protein-coding
chr4-1851	9.793659	1.061704	0.776395	1.367479	0.171475	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	19595	NM_001151	291	Hs.246506	NM_001151	ENSG0000	SLC25A4	AAC1|ANT|	solute ca	protein-coding
chr10-404	19.15893	0.771612	0.564909	1.365905	0.171969	0.981636	chr10	40466158	40467631	+	0	NA	Intergeni	ALR/Alpha	1770298	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-708	5.99973	1.333724	0.97756	1.36434	0.172461	0.981636	chr10	70884825	70885309	+	0	NA	intron (	intron (	2814	NM_001289	5092	Hs.3192	NM_000281	ENSG0000	PCBD1	DCOH|PCBD	pterin-4	protein-coding
chr2-7276	5.99973	1.333724	0.97756	1.36434	0.172461	0.981636	chr2	72760822	72762009	+	0	NA	intron (	intron (	64618	NM_001321	23233	Hs.303454	NM_015189	ENSG0000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr19-125	7.913784	1.170409	0.858045	1.364042	0.172554	0.981636	chr19	12517669	12518106	+	0	NA	Intergeni	Intergeni	-33071	NM_152601	163051	Hs.631623	NM_152601	ENSG0000	ZNF709	-	zinc fing	protein-coding
chr1-2800	6.135789	-1.31921	0.967146	-1.36403	0.172559	0.981636	chr1	28000413	28001568	+	0	NA	intron (	AluJb|SIN	41528	NM_018053	55113	Hs.55024	NM_018053	ENSG0000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr8-2224	6.135789	-1.31921	0.967146	-1.36403	0.172559	0.981636	chr8	22246584	22246950	+	0	NA	intron (	intron (	1634	NM_001722	661	Hs.148342	NM_001722	ENSG0000	POLR3D	BN51T|RPC	RNA polym	protein-coding
chr12-567	8.077487	-1.15707	0.848413	-1.3638	0.172629	0.981636	chr12	56719171	56719407	+	0	NA	exon (NM_	exon (NM_	6010	NM_005594	4666	Hs.505735	NM_005594	ENSG0000	NACA	HSD48|NAC	nascent p	protein-coding
chr19-101	6.143647	-1.32102	0.968828	-1.36352	0.172718	0.981636	chr19	10167863	10168979	+	0	NA	intron (	intron (	26532	NM_001318	1786	Hs.202672	NM_001379	ENSG0000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr4-8399	7.417196	1.247338	0.915149	1.362989	0.172886	0.981636	chr4	8399124	8399474	+	0	NA	intron (	intron (	41424	NM_003501	8310	Hs.479122	NM_003501	ENSG0000	ACOX3	-	acyl-CoA	protein-coding
chr11-117	4.203799	-1.63813	1.202667	-1.36208	0.173173	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (	intron (	1228	NM_003186	6876	Hs.410977	NM_003186	ENSG0000	TAGLN	SM22|SM22	transgeli	protein-coding
chr1-1501	9.349556	-1.06587	0.782609	-1.36194	0.173215	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	promoter-	promoter-	-618	NR_135098	1.05E+08	Hs.599366	NR_135098		LOC105371	-	uncharact	ncRNA
chr1-2356	9.699822	1.044309	0.766827	1.361857	0.173243	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (	HERVIP10F	-20154	NR_001098	2786	Hs.159711	NM_004485	ENSG0000	GNG4	-	G protei	protein-coding
chr10-399	46.18847	0.544894	0.400116	1.361842	0.173248	0.981636	chr10	39986368	39987336	+	0	NA	Intergeni	ALR/Alpha	1290256	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-9554	8.872384	-1.12112	0.823389	-1.36159	0.173329	0.981636	chr5	95548626	95549008	+	0	NA	intron (	intron (	6188	NM_014639	9652	Hs.482868	NM_014639	ENSG0000	TTC37	KIAA0372|	tetratric	protein-coding
chr1-8880	3.410752	-1.83169	1.345441	-1.3614	0.173387	0.981636	chr1	88802725	88803057	+	0	NA	intron (	intron (	88676	NM_001514	2959	Hs.481852	NM_001514	ENSG0000	GTF2B	TF2B|TFII	general t	protein-coding
chr11-102	4.692714	1.522148	1.118205	1.361242	0.173437	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (	AluSg|SIN	25645	NM_001195	10413	Hs.503692	NM_006106	ENSG0000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr5-1130	4.692714	1.522148	1.118205	1.361242	0.173437	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	67774	NM_152624	167227	Hs.443875	NM_152624	ENSG0000	DCP2	NUDT20	decapping	protein-coding
chr1-3172	6.007588	1.330572	0.977471	1.36124	0.173438	0.981636	chr1	31727062	31728236	+	0	NA	intron (	MIR|SINE|	-23632	NM_001856	1307	Hs.368921	NM_001856	ENSG0000	COL16A1	447AA|FP1	collagen	protein-coding
chr10-308	4.154801	-1.64601	1.209725	-1.36065	0.173625	0.981636	chr10	3086532	3087509	+	0	NA	intron (	AluSz|SIN	-17589	NM_001323	5214	Hs.26010	NM_002627	ENSG0000	PFKP	ATP-PFK|	phosphofr	protein-coding
chr9-129	8.519925	1.118656	0.822464	1.360128	0.173789	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (	AluSx|SIN	19984	NM_032809	84895	Hs.632693	NM_032809	ENSG0000	MIGA2	C9orf54|	mitoguar	protein-coding
chr12-963	6.127931	-1.31743	0.968676	-1.36003	0.17382	0.981636	chr12	96312255	96312516	+	0	NA	intron (	intron (	56887	NM_001303	2004	Hs.46523	NM_00523	ENSG0000	ELK3	ERP|NET|	ETS trans	protein-coding
chr4-763	6.127931	-1.31743	0.968676	-1.36003	0.17382	0.981636	chr4	76309845	76310640	+	0	NA	3’ UTR (	3’ UTR (	4216	NM_003943	8987	Hs.10959	NM_003943	ENSG0000	STBD1	GENEX3414	starch bi	protein-coding
chr6-7511	6.127931	-1.31743	0.968676	-1.36003	0.17382	0.981636	chr6	75111596	75114071	+	0	NA	intron (	intron (	15949	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr8-1332	6.127931	-1.31743	0.968676	-1.36003	0.17382	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (	L2c|LINE|	17900	NM_080838	8840	Hs.492974	NM_003882	ENSG0000	CCN4	WISP1|WIS	cellular	protein-coding
chr2-5532	8.102911	-1.14977	0.845502	-1.35987	0.173872	0.981636	chr2	55322215	55322488	+	0	NA	intron (	L2a|LINE|	40032	NR_027258	344405	Hs.445292	NM_00108	ENSG0000	PRORSD1P	NCRNA0011	prolyl-t	pseudo
chr15-739	8.14405	-1.14536	0.84246	-1.35954	0.173976	0.981636	chr15	73917896	73918359	+	0	NA	non-codi	non-codi	-8335	NM_005576	4016	Hs.65436	NM_005576	ENSG0000	LOXL1	LOL|LOXL	lysyl oxi	protein-coding
chr2-2743	8.494501	1.114301	0.819744	1.359328	0.174043	0.981636	chr2	27439615	27440117	+	0	NA	exon (NM_	exon (NM_	-2500	NM_001168	200634	Hs.59509	NM_173853	ENSG0000	KRTCAP3	KCP3	keratinoc	protein-coding
chr11-649	7.255898	1.207364	0.888286	1.359207	0.174081	0.981636	chr11	649380	649983	+	0	NA	intron (	AluSz|SIN	12412	NM_000797	1815	Hs.99922	NM_000797	ENSG0000	DRD4	D4DR	dopamine	protein-coding
chr14-496	2.684268	-2.11658	1.557647	-1.35883	0.174201	0.981636	chr14	49612203	49613537	+	0	NA	intron (	intron (	7756	NM_001001	6166	Hs.444749	NM_001001	ENSG0000	RPL36AL	RPL36A	ribosomal	protein-coding
chr19-369	5.974306	1.327844	0.977375	1.358582	0.174279	0.981636	chr19	36978787	36979693	+	0	NA	intron (	AluSp|SIN	62908	NM_001204	374900	Hs.40422	NM_198539	ENSG0000	ZNF568	ZFP568	zinc fing	protein-coding
chr3-7574	5.974306	1.327844	0.977375	1.358582	0.174279	0.981636	chr3	75748969	75750477	+	0	NA	intron (	CER|Satel	11443	NR_036235	1E+08		NR_036235	ENSG0000	MIR4273	-	microRNA	ncRNA
chr9-1363	4.129378	-1.66184	1.223575	-1.35819	0.174404	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (	intron (	-5932	NM_001145	26086	Hs.23937	NM_015597	ENSG0000	GPSM1	AGS3	G protei	protein-coding
chr5-1068	7.281322	1.212429	0.89281	1.357992	0.174466	0.981636	chr5	10686966	10687423	+	0	NA	intron (	Tigger1|D	74040	NM_004394	1611	Hs.75189	NM_004394	ENSG0000	DAP	-	death ass	protein-coding
chr16-157	4.700572	1.517948	1.117845	1.357923	0.174488	0.981636	chr16	1578491	1579603	+	0	NA	intron (	Tigger2a|	-1480	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG0000	LOC105371	-	uncharact	ncRNA
chr20-256	4.700572	1.517948	1.117845	1.357923	0.174488	0.981636	chr20	25646959	25648638	+	0	NA	intron (	LTR16E2|L	23573	NR_126467	1.03E+08	Hs.633621	NR_126465	ENSG0000	ZNF337-AS	-	ZNF337 ar	ncRNA
chr17-682	4.759277	1.528196	1.1254	1.357914	0.174491	0.981636	chr17	68274288	68275039	+	0	NA	intron (	intron (	15481	NM_001352	22901	Hs.437249	NM_01496	ENSG0000	ARSG	USH4	arylsulfa	protein-coding
chrX-130	4.759277	1.528196	1.1254	1.357914	0.174491	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	20585	NM_001184	63035	Hs.496748	NM_021946	ENSG0000	BCORL1	BCoR-L1|	BCL6 core	protein-coding
chr15-283	6.830841	-1.27603	0.939719	-1.35789	0.174499	0.981636	chr15	28319080	28319372	+	0	NA	intron (	intron (	2926	NM_004667	8924	Hs.43489	NM_004667	ENSG0000	HERC2	D15F37S1|	HECT and	protein-coding
chr1-9334	4.898851	-1.52232	1.121237	-1.35771	0.174555	0.981636	chr1	93349914	93351142	+	0	NA	intron (	intron (	4621	NM_001938	1810	Hs.348418	NM_001938	ENSG0000	DR1	NC2|NC2-	down-regu	protein-coding
chr1-2309	8.46122	1.11212	0.819139	1.357669	0.174569	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (	FAM|SINE|	50140	NM_001122	79573	Hs.424788	NM_024525	ENSG0000	TTC13	-	tetratric	protein-coding
chr13-274	8.46122	1.11212	0.819139	1.357669	0.174569	0.981636	chr13	27434184	27434518	+	0	NA	intron (	intron (	9732	NM_002097	2971	Hs.445977	NM_002097	ENSG0000	GTF3A	AP2|TFIII	general t	protein-coding
chr17-732	4.848004	-1.5494	1.141564	-1.35726	0.174697	0.981636	chr17	73244997	73245196	+	0	NA	intron (	intron (	12435	NR_110105	55028	Hs.12929	NM_017941	ENSG0000	C17orf80	HLC-8|MIC	chromosom	protein-coding
chr1-1241	57.80238	0.503835	0.371426	1.356489	0.174944	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2604853	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-366	7.263756	1.204804	0.888328	1.35626	0.175016	0.981636	chr20	36655473	36656266	+	0	NA	intron (	AluSc|SIN	-9673	NM_032214	84174	Hs.713578	NM_032214	ENSG0000	SLA2	C20orf156	Src like	protein-coding
chr7-1513	7.263756	1.204804	0.888328	1.35626	0.175016	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	28002	NM_001363	51667	Hs.647082	NM_016118	ENSG0000	NUB1	BS4|NUB1L	negative	protein-coding
chr9-129	7.263756	1.204804	0.888328	1.35626	0.175016	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (	intron (	5757	NM_032809	84895	Hs.632693	NM_032809	ENSG0000	MIGA2	C9orf54|	mitoguar	protein-coding
chr16-483	7.230475	1.202365	0.886537	1.356249	0.17502	0.981636	chr16	48342857	48343119	+	0	NA	intron (	intron (	22899	NM_001006	6477	Hs.706828	NM_003031	ENSG0000	SIAH1	SIAH1A	siah E3 u	protein-coding
chr4-9622	7.230475	1.202365	0.886537	1.356249	0.17502	0.981636	chr4	962266	962479	+	0	NA	intron (	intron (	11197	NM_001347	1609	Hs.584858	NM_001347	ENSG0000	DGKQ	DAGK|DAGK	diacylgly	protein-coding
chr4-5662	7.230475	1.202365	0.886537	1.356249	0.17502	0.981636	chr4	5662888	5663558	+	0	NA	exon (NM_	exon (NM_	45336	NM_147127	132884	Hs.87306	NM_147127	ENSG0000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr7-7455	7.230475	1.202365	0.886537	1.356249	0.17502	0.981636	chr7	74554824	74555515	+	0	NA	intron (	intron (	-40799	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr1-1486	9.666541	1.042322	0.768913	1.355579	0.175233	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	-11843	NM_015383	25832	Hs.534675	NM_015383	ENSG0000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr1-1517	9.666541	1.042322	0.768913	1.355579	0.175233	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	non-codi	non-codi	-3039	NM_001134	51686	Hs.713789	NM_016178	ENSG0000	OAZ3	AZ3|OAZ-t	ornithine	protein-coding
chr14-356	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr14	35603553	35603885	+	0	NA	intron (	L1MA4A|LI	69555	NM_032594	84684	Hs.62813	NM_032594	ENSG0000	INSM2	IA-6|IA6|	INSM tra	protein-coding
chr15-687	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr15	68779563	68780000	+	0	NA	3’ UTR (	3’ UTR (	22144	NR_036197	1E+08		NR_036197	ENSG0000	MIR4312	-	microRNA	ncRNA
chr16-564	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr16	56485032	56485355	+	0	NA	intron (	L1M5|LINE	33109	NM_001324	55239	Hs.231883	NM_018233	ENSG0000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr17-291	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr17	29100032	29100507	+	0	NA	intron (	intron (	-24660	NM_00474	9220	Hs.46259	NM_00474	ENSG0000	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr19-120	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr19	12022099	12023535	+	0	NA	intron (	HERVK9-ir	12924	NM_001308	163059	Hs.667776	NM_152602	ENSG0000	ZNF433	-	zinc fing	protein-coding
chr22-318	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr22	31821242	31821740	+	0	NA	intron (	intron (	67468	NM_001369	9681	Hs.435022	NM_014662	ENSG0000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr7-1024	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	2832	NM_001126	80228	Hs.363308	NM_032831	ENSG0000	ORAI2	C7orf19|	ORAI calc	protein-coding
chr9-1162	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (	L1MA7|LIN	68445	NM_002581	5069	Hs.643599	NM_002581	ENSG0000	PAPPA	ASBABP2|	pappalysi	protein-coding
chr9-1163	5.982164	1.324693	0.977284	1.355484	0.175264	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (	intron (	32017	NR_103711	493913	Hs.728832	NR_103711	ENSG0000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr5-494	17.42374	0.802658	0.59222	1.355338	0.17531	0.981636	chr5	49408827	49410096	+	0	NA	Intergeni	ALR/Alpha	1031827	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-435	6.102507	-1.3274	0.979628	-1.35501	0.175415	0.981636	chr19	4358874	4359092	+	0	NA	intron (	intron (	15456	NM_032868	84954	Hs.321689	NM_032868	ENSG0000	MPND	-	MPN domai	protein-coding
chr6-2612	8.469078	1.109968	0.819254	1.354853	0.175464	0.981636	chr6	26127353	26131567	+	0	NA	Intergeni	AluSx|SIN	5315	NM_003512	8334	Hs.48495	NM_003512	ENSG0000	HIST1H2AC	H2A/1|H2A	histone c	protein-coding
chr17-301	8.780397	-1.13917	0.840983	-1.35457	0.175554	0.981636	chr17	30118812	30119011	+	0	NA	intron (	AluSx1|SI	-1751	NR_036149	1E+08		NR_036149	ENSG0000	MIR3184	-	microRNA	ncRNA
chr10-545	6.161213	-1.30948	0.966854	-1.35437	0.175617	0.981636	chr10	5452832	5453216	+	0	NA	intron (	intron (	6415	NM_005863	10276	Hs.25155	NM_005863	ENSG0000	NET1	ARHGEF8|	neuroepit	protein-coding
chr11-123	6.161213	-1.30948	0.966854	-1.35437	0.175617	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (	intron (	4134	NM_001301	7753	Hs.112556	NM_003455	ENSG0000	ZNF202	ZKSCAN10|	zinc fing	protein-coding
chr4-1511	6.161213	-1.30948	0.966854	-1.35437	0.175617	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (	AluSq2|SI	12771	NM_001128	152503	Hs.744983	NM_001009	ENSG0000	SH3D19	EBP|EVE1|	SH3 domai	protein-coding
chr9-115	6.161213	-1.30948	0.966854	-1.35437	0.175617	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (	intron (	65436	NM_00216	3371	Hs.14325	NM_00216	ENSG0000	TNC	150-225|	tenascin	protein-coding
chr9-115	6.161213	-1.30948	0.966854	-1.35437	0.175617	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (	intron (	61999	NM_00216	3371	Hs.14325	NM_00216	ENSG0000	TNC	150-225|	tenascin	protein-coding
chr19-250	58.98828	0.502412	0.371124	1.35376	0.175813	0.981636	chr19	25050259	25051340	+	0	NA	Intergeni	ALR/Alpha	-887352	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr22-207	6.657616	1.275261	0.943252	1.351983	0.176381	0.981636	chr22	20714683	20714983	+	0	NA	intron (	intron (	13719	NR_026815	84222	Hs.546454	NM_032262	ENSG0000	TMEM191A	TMEM191AP	transmemb	pseudo
chr14-100	6.120073	-1.31564	0.973483	-1.35148	0.176541	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-5429	NR_030172	574450		NR_030172	ENSG0000	MIR493	MIRN493|	microRNA	ncRNA
chr3-108	6.120073	-1.31564	0.973483	-1.35148	0.176541	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (	intron (	28076	NM_001777	961	Hs.446414	NM_001777	ENSG0000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr3-1204	6.120073	-1.31564	0.973483	-1.35148	0.176541	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	23096	NM_007085	11167	Hs.269512	NM_007085	ENSG0000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr3-1287	6.120073	-1.31564	0.973483	-1.35148	0.176541	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (	intron (	6713	NM_004637	7879	Hs.684374	NM_004637	ENSG0000	RAB7A	PRO2706|	RAB7A, me	protein-coding
chr8-6613	6.120073	-1.31564	0.973483	-1.35148	0.176541	0.981636	chr8	66131217	66131416	+	0	NA	intron (	HAL1|LINE	4187	NR_184085	84675	Hs.85524	NM_033058	ENSG0000	TRIM55	MURF-2|R	tripartit	protein-coding
chr1-1226	9.70768	1.042406	0.771449	1.351231	0.176622	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1134302	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin	pseudo
chr17-827	9.70768	1.042406	0.771449	1.351231	0.176622	0.981636	chr17	82739984	82742923	+	0	NA	intron (	intron (	5838	NM_022158	64122	Hs.151135	NM_022158	ENSG0000	FN3K	-	fructosam	protein-coding
chr11-330	7.567033	-1.23606	0.914799	-1.35119	0.176636	0.981636	chr11	33097298	33097612	+	0	NA	intron (	AluSg|SIN	21305	NR_015451	283267	Hs.533701	NR_015451	ENSG0000	LINC00294	NCRNA0029	long inte	ncRNA
chr14-549	3.436175	-1.8123	1.341995	-1.35045	0.17687	0.981636	chr14	54991087	54992401	+	0	NA	intron (	Charliela	35355	NM_001008	11169	Hs.385998	NM_007086	ENSG0000	WDHD1	AND-1|AND	WD repeat	protein-coding
chr15-326	3.436175	-1.8123	1.341995	-1.35045	0.17687	0.981636	chr15	32634589	32638136	+	0	NA	TTS (NM_1	TTS (NM_1	-5251	NM_001144	6447	Hs.15654	NM_00302	ENSG0000	SCG5	7B2|P7B2|	secretogr	protein-coding
chr1-5197	6.153355	-1.30767	0.968383	-1.35036	0.1769	0.981636	chr1	51971751	51972570	+	0	NA	intron (	AluSz|SIN	18540	NM_002867	5865	Hs.123072	NM_002867	ENSG0000	RAB3B	-	RAB3B, me	protein-coding
chr8-8977	6.153355	-1.30767	0.968383	-1.35036	0.1769	0.981636	chr8	89776608	89776997	+	0	NA	intron (	L1MEc|LIN	18986	NM_003821	8767	Hs.103755	NM_003821	ENSG0000	RIPK2	CARD3|CAR	receptor	protein-coding
chr16-717	8.435796	1.107781	0.820885	1.349496	0.177178	0.981636	chr16	71762446	71763149	+	0	NA	intron (	MER21B|LT	-4310	NR_003059	692111		NR_003059	ENSG0000	SNORD71	HBII-239|	small nuc	snoRNA
chr17-392	7.205051	1.197381	0.887534	1.34911	0.177302	0.981636	chr17	39264938	39266060	+	0	NA	intron (	intron (	-31901	NR_162098	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr5-4858	238.9371	0.380973	0.282428	1.348924	0.177361	0.981636	chr5	48589523	48589723	+	0	NA	Intergeni	ALR/Alpha	1851665	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr7-8405	10.61377	-0.99621	0.738806	-1.3484	0.177529	0.981636	chr7	84054192	84054554	+	0	NA	intron (	L1PA3|LIN	140416	NM_00608	10371	Hs.252451	NM_00608	ENSG0000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr1-1202	4.733853	1.520841	1.12802	1.34824	0.177581	0.981636	chr1	12027368	12028130	+	0	NA	intron (	L2a|LINE|	-1409	NR_106787	1.02E+08		NR_106787	ENSG0000	MIR6729	hsa-mir-	microRNA	ncRNA
chr1-2306	4.733853	1.520841	1.12802	1.34824	0.177581	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (	intron (	24130	NM_007357	22796	Hs.21180	NM_007357	ENSG0000	COG2	CDG2Q|LDL	component	protein-coding
chr17-786	4.733853	1.520841	1.12802	1.34824	0.177581	0.981636	chr17	78692220	78693392	+	0	NA	intron (	intron (	24226	NM_001292	9267	Hs.191215	NM_004762	ENSG0000	CYTH1	B2-1|CYTO	cytohesi	protein-coding
chr7-7501	4.733853	1.520841	1.12802	1.34824	0.177581	0.981636	chr7	75017999	75019314	+	0	NA	intron (	L2b|LINE|	53951	NM_001145	729438	Hs.594823	NM_001145	ENSG0000	CASTOR2	GATSL1|GA	cytosolic	protein-coding
chr1-1455	12.64819	0.914514	0.678423	1.347999	0.177659	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (	intron (	30938	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG0000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr12-491	5.948882	1.321944	0.980722	1.34793	0.177681	0.981636	chr12	49106535	49107665	+	0	NA	intron (	intron (	3800	NM_001352	55716	Hs.272838	NM_018113	ENSG0000	LMBR1L	LIMR	limb deve	protein-coding
chr4-1194	5.948882	1.321944	0.980722	1.34793	0.177681	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	Intergeni	AluSx1|SI	9828	NR_135112	1.02E+08	Hs.655864	NR_135112	ENSG0000	GTF2IP12	-	general t	pseudo
chr7-6470	5.948882	1.321944	0.980722	1.34793	0.177681	0.981636	chr7	64702114	64702483	+	0	NA	intron (	AluSg4|SI	23234	NR_106898	1.02E+08		NR_106898	ENSG0000	MIR6839	hsa-mir-	microRNA	ncRNA
chr16-665	8.095053	-1.1483	0.852251	-1.34737	0.177862	0.981636	chr16	66557335	66557578	+	0	NA	intron (	AluSx1|SI	4880	NM_001204	1.01E+08	Hs.698621	NM_001202	ENSG0000	CKLF-CMT	-	CKLF-CMT	protein-coding
chr10-101	5.966448	1.331079	0.988261	1.346889	0.178016	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (	AluSx1|SI	70140	NM_024541	79591	Hs.16004	NM_024541	ENSG0000	ARMH3	C10orf76	armadill	protein-coding
chr1-151	7.212909	1.194823	0.887575	1.346165	0.178249	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (	AluSx|SIN	-3870	NM_138278	149428	Hs.591473	NM_138278	ENSG0000	BNIPL	BNIP-S|B	BCL2 inte	protein-coding
chr16-707	7.212909	1.194823	0.887575	1.346165	0.178249	0.981636	chr16	70783784	70784254	+	0	NA	intron (	intron (	17139	NM_001351	55697	Hs.445061	NM_018052	ENSG0000	VAC14	ArPIKfyve	VAC14 com	protein-coding
chr6-1349	7.212909	1.194823	0.887575	1.346165	0.178249	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	-4033	NR_037435	1.01E+08		NR_037435	ENSG0000	MIR3662	mir-3662	microRNA	ncRNA
chr10-408	19.69666	0.755227	0.561094	1.34599	0.178306	0.981636	chr10	40847368	40848517	+	0	NA	Intergeni	ALR/Alpha	1520103	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr19-523	12.68147	0.91612	0.680933	1.34539	0.178499	0.981636	chr19	52364454	52367428	+	0	NA	exon (NM_	exon (NM_	-3982	NM_001145	400713	Hs.502314	NM_001145	ENSG0000	ZNF880	-	zinc fing	protein-coding
chr13-408	5.95674	1.318773	0.980631	1.344821	0.178683	0.981636	chr13	40806053	40806490	+	0	NA	intron (	L1ME3A|LI	-4495	NR_030352	693206		NR_030352	ENSG0000	MIR621	MIRN621|	microRNA	ncRNA
chr1-2766	10.60591	-0.99507	0.740201	-1.34432	0.178844	0.981636	chr1	27668321	27668881	+	0	NA	intron (	intron (	3591	NM_022873	2537	Hs.523847	NM_002038	ENSG0000	IFI6	6-16|FAM1	interfer	protein-coding

chr20-321	9.367122	-1.05834	0.788118	-1.34287	0.179314	0.981636	chr20	32138883	32139123	+	0	NA	intron (N	intron (N	29275	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr7-8733	4.865569	-1.53342	1.142299	-1.3424	0.179466	0.981636	chr7	87336151	87336427	+	0	NA	intron (N	intron (N	9203	NR_015381	11257	Hs.274329	NM_007233	ENSG00000	TP53TG1	LINC00096	TP53 targ	ncRNA
chrX-1350	4.865569	-1.53342	1.142299	-1.3424	0.179466	0.981636	chrX	1.35E+08	1.35E+08	+	0	NA	Intergeni	LTR16A2|L	6632	NM_001078	8933	Hs.522789	NM_003928	ENSG00000	RTL8C	CXX1|FAM1	retrotran	protein-coding
chr2-1279	9.682257	1.038512	0.773712	1.342246	0.179516	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	37748	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr1-3770	2.658844	-2.14374	1.597187	-1.3422	0.179532	0.981636	chr1	37709410	37710252	+	0	NA	TTS (NM_0	TTS (NM_0	17315	NM_018101	55143	Hs.524571	NM_018101	ENSG00000	CDCA8	BOR|BOREA	cell divi	protein-coding
chr10-145	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr10	14541170	14543234	+	0	NA	intron (N	AluSz|SIN	-3660	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-795	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr12	79562649	79562949	+	0	NA	Intergeni	LTR12C|LT	127781	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr15-225	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr15	22555243	22555442	+	0	NA	intron (N	intron (N	60464	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr3-8751	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr3	8751669	8753082	+	0	NA	3’ UTR (N	3’ UTR (N	16356	NM_001354	5021	Hs.2820	NM_000916	ENSG00000	OXTR	OT-R	oxytocin	protein-coding
chr6-8546	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr6	85468890	85470268	+	0	NA	intron (N	L2a|LINE|	19496	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nuclec	protein-coding
chr7-1054	6.145497	-1.30579	0.973191	-1.34176	0.179673	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	22153	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr2-1902	7.197193	1.199967	0.895023	1.34071	0.180015	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	68443	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr3-1701	7.374577	-1.17882	0.879345	-1.34056	0.180063	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx1|SI	15959	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr7-4465	6.677031	1.297941	0.968937	1.339551	0.180391	0.981636	chr7	44650188	44650408	+	0	NA	intron (N	intron (N	43671	NM_001003	4967	Hs.488181	NM_002541	ENSG00000	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr12-248	11.841	-0.96167	0.717987	-1.3394	0.18044	0.981636	chr12	24828914	24829135	+	0	NA	intron (N	(AAAT)n|S	73198	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr6-5916	270.4006	0.356235	0.265994	1.339258	0.180487	0.981636	chr6	59163123	59163348	+	0	NA	Intergeni	ALR/Alpha	-1201789	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-233	3.974273	1.625694	1.214002	1.33912	0.180532	0.981636	chr19	23341176	23342005	+	0	NA	Intergeni	L1M3|LINE	53881	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr1-9324	7.366719	-1.17729	0.879214	-1.33902	0.180564	0.981636	chr1	93241758	93243663	+	0	NA	intron (N	THE1B-int	61994	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-co	protein-coding
chr10-113	7.366719	-1.17729	0.879214	-1.33902	0.180564	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	L1M4c|LIN	6464	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr15-807	7.366719	-1.17729	0.879214	-1.33902	0.180564	0.981636	chr15	80790022	80796271	+	0	NA	intron (N	intron (N	13776	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYB	cell migr	protein-coding
chr3-1944	7.366719	-1.17729	0.879214	-1.33902	0.180564	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	8986	NM_001367	79572	Hs.529609	NM_024524	ENSG00000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr1-2258	7.246191	1.197221	0.894147	1.338954	0.180586	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	L2a|LINE|	27755	NM_014698	9725	Hs.119387	NM_014698	ENSG00000	TMEM63A	KIAA0792	transmemb	protein-coding
chr10-125	7.246191	1.197221	0.894147	1.338954	0.180586	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	MIRb|SINE	-18336	NM_147191	118856	Hs.314141	NM_147191	ENSG00000	MMP21	HTX7|MMP-	matrix me	protein-coding
chr16-155	7.246191	1.197221	0.894147	1.338954	0.180586	0.981636	chr16	15599400	15599865	+	0	NA	intron (N	intron (N	11463	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr20-317	4.146943	-1.64328	1.22779	-1.3384	0.180765	0.981636	chr20	31793377	31794532	+	0	NA	exon (NM_	exon (NM_	-25421	NM_033118	85366	Hs.86092	NM_033118	ENSG00000	MYLK2	KMLC|MLCK	myosin li	protein-coding
chr10-877	6.112215	-1.31384	0.981765	-1.33824	0.180817	0.981636	chr10	87747869	87748317	+	0	NA	TTS (NM_0	TTS (NM_0	70138	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr11-781	6.112215	-1.31384	0.981765	-1.33824	0.180817	0.981636	chr11	78103382	78103748	+	0	NA	intron (N	AluSp|SIN	-23703	NM_001203	1.01E+08	Hs.407860	NM_001203	ENSG00000	NDUFC2-KC	-	NDUFC2-KC	protein-coding
chr3-1968	7.382435	-1.18037	0.882034	-1.33823	0.18082	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-36252	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr6-2644	7.382435	-1.18037	0.882034	-1.33823	0.18082	0.981636	chr6	26443655	26444015	+	0	NA	intron (N	intron (N	3331	NM_006994	10384	Hs.167741	NM_006994	ENSG00000	BTN3A3	BTF3|BTN3	butyrophi	protein-coding
chr1-2354	7.179627	1.192361	0.891328	1.337735	0.180983	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	40043	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr8-1278	7.179627	1.192361	0.891328	1.337735	0.180983	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJo|SIN	8057	NR_031609	1E+08		NR_031609	ENSG00000	MIR1204	hsa-mir-1	microRNA	ncRNA
chr16-296	4.032978	1.637518	1.22419	1.337633	0.181016	0.981636	chr16	29682401	29683195	+	0	NA	intron (N	L1MC5|LIN	3618	NR_134536	23475	Hs.513484	NM_014298	ENSG00000	QPRT	HEL-S-90n	quinolina	protein-coding
chr11-690	8.410372	1.103399	0.824926	1.337574	0.181035	0.981636	chr11	69068089	69068641	+	0	NA	intron (N	intron (N	-14811	NR_036122	1E+08		NR_036122	ENSG00000	MIR3164	-	microRNA	ncRNA
chr17-763	9.185669	1.091394	0.815988	1.337512	0.181055	0.981636	chr17	76347693	76347989	+	0	NA	intron (N	L2|LINE|L	6075	NM_002766	5635	Hs.77498	NM_002766	ENSG00000	PRPSAP1	PAP39	phosphori	protein-coding
chr1-2251	5.990022	1.321434	0.988009	1.337472	0.181069	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	L1PA4|LIN	239218	NM_001145	127602	Hs.133977	NM_001373	ENSG00000	DNAH14	C1orf67|D	dynein ax	protein-coding
chr19-122	5.990022	1.321434	0.988009	1.337472	0.181069	0.981636	chr19	12224566	12225093	+	0	NA	Intergeni	LTR19A|LT	29814	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr7-1492	5.990022	1.321434	0.988009	1.337472	0.181069	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-6903	NR_036573	155060	Hs.490512	NR_015357	ENSG00000	LOC155060	-	AI894139	pseudo
chr17-374	6.922828	-1.25217	0.936266	-1.33741	0.18109	0.981636	chr17	37419458	37419720	+	0	NA	intron (N	AluSz6|SI	12364	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr2-4357	6.922828	-1.25217	0.936266	-1.33741	0.18109	0.981636	chr2	43570345	43570544	+	0	NA	exon (NM_	exon (NM_	25530	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr8-1184	7.341295	-1.18532	0.886539	-1.33702	0.181216	0.981636	chr8	11840352	11841040	+	0	NA	Intergeni	Intergeni	27391	NM_001908	1508	Hs.520898	NM_001908	ENSG00000	CTSB	APPS|CPSB	cathepsin	protein-coding
chr12-702	4.180225	-1.62994	1.219622	-1.33643	0.181409	0.981636	chr12	70285023	70285320	+	0	NA	intron (N	intron (N	41457	NM_001199	4848	Hs.133350	NM_014515	ENSG00000	CNOT2	CDC36|HSF	CCR4-NOT	protein-coding
chr7-8091	4.180225	-1.62994	1.219622	-1.33643	0.181409	0.981636	chr7	80911285	80912761	+	0	NA	intron (N	intron (N	7028	NM_006379	10512	Hs.269109	NM_006379	ENSG00000	SEMA3C	SEMAE|Sem	semaphori	protein-coding
chr1-1494	5.941024	1.325128	0.991682	1.336242	0.18147	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	22818	NM_001364	1.01E+08		NM_001364	ENSG00000	NOTCH2NLC	N2N|NOTCH	notch 2 N	protein-coding
chr16-574	5.941024	1.325128	0.991682	1.336242	0.18147	0.981636	chr16	57458496	57458717	+	0	NA	intron (N	intron (N	-4073	NM_032940	5432	Hs.79402	NM_002694	ENSG00000	POLR2C	RPB3|RPB3	RNA polym	protein-coding
chr2-9237	16.10101	0.811921	0.608081	1.335218	0.181805	0.981636	chr2	92374494	92374819	+	0	NA	Intergeni	ALR/Alpha	433523	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-1396	8.061771	-1.15429	0.864537	-1.33516	0.181825	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	118781	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr1-1476	7.187485	1.189783	0.891369	1.334781	0.181948	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	17849	NM_001323	51205	Hs.562154	NM_016361	ENSG00000	ACP6	ACPL1|LPA	acid phos	protein-coding
chr1-2241	7.187485	1.189783	0.891369	1.334781	0.181948	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	23055	NM_015176	23219	Hs.64691	NM_015176	ENSG00000	FBXO28	CENP-30|F	F-box pro	protein-coding
chr2-3958	7.187485	1.189783	0.891369	1.334781	0.181948	0.981636	chr2	39587666	39588270	+	0	NA	intron (N	intron (N	-77530	NM_001167	130733	Hs.40808	NM_152390	ENSG00000	TMEM178A	TMEM178	transmemb	protein-coding
chr3-1295	7.450478	1.249097	0.935877	1.33468	0.181981	0.981636	chr3	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	22440	NM_001308	132243	Hs.97358	NM_153833	ENSG00000	H1FOO	H1.8|H1oo	H1 histon	protein-coding
chr19-196	8.451512	1.10339	0.826788	1.33455	0.182024	0.981636	chr19	19646856	19648171	+	0	NA	exon (NM_	exon (NM_	-3856	NM_016573	51291	Hs.49427	NM_016573	ENSG00000	GMIP	ARHGAP46	GEM inter	protein-coding
chr4-1683	7.358861	-1.17576	0.881644	-1.3336	0.182336	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	MER101B|L	-68597	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr7-6468	7.358861	-1.17576	0.881644	-1.3336	0.182336	0.981636	chr7	64685215	64685442	+	0	NA	non-codin	non-codin	6264	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chrX-1543	7.358861	-1.17576	0.881644	-1.3336	0.182336	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	20719	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr21-665	9.359264	-1.057	0.792679	-1.33345	0.182385	0.981636	chr21	6654692	6656403	+	0	NA	Intergeni	L1MB1|LIN	93627	NM_001363	1409	Hs.184085	NM_000394	ENSG00000	CRYAA	CRYA1|CTR	crystalli	protein-coding
chr4-9892	9.359264	-1.057	0.792679	-1.33345	0.182385	0.981636	chr4	98922164	98922378	+	0	NA	intron (N	MIR|SINE|	6862	NM_001130	1977	Hs.13211	NM_001968	ENSG00000	EIF4E	AUTS19|CB	eukaryoti	protein-coding
chr2-1814	6.086792	-1.32402	0.992954	-1.33342	0.182395	0.981636	chr2	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	25268	NM_000885	3676	Hs.72981	NM_000885	ENSG00000	ITGA4	CD49D|IA4	integrin	protein-coding
chr22-469	4.70843	1.513325	1.135685	1.332523	0.182689	0.981636	chr22	46917995	46918520	+	0	NA	intron (N	intron (N	-2215	NR_122047	642757	Hs.632786	NR_122047	ENSG00000	TBC1D22A-	-	TBC1D22A	ncRNA
chr6-1085	10.20427	0.994759	0.746584	1.332415	0.182724	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	800	NM_001455	2309	Hs.220950	NM_001455	ENSG00000	FOXO3	AF6q21|FK	forkhead	protein-coding
chr6-5794	7.220767	1.19218	0.895162	1.331804	0.182925	0.981636	chr6	57947980	57949425	+	0	NA	intron (N	MLT1E1A|L	-11773	NR_132999	375513	Hs.561539	NM_206908		GUSBP4	C6orf216|	GUSB pseu	pseudo
chr10-691	7.333437	-1.18382	0.889	-1.33163	0.182981	0.981636	chr10	69157959	69158602	+	0	NA	intron (N	intron (N	-21954	NM_001323	6832	Hs.106469	NM_003171	ENSG00000	SUPV3L1	SUV3	Suv3 like	protein-coding
chr17-268	7.333437	-1.18382	0.889	-1.33163	0.182981	0.981636	chr17	2684168	2684686	+	0	NA	3’ UTR (N	3’ UTR (N	8492	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr10-145	7.400001	-1.1709	0.879463	-1.33138	0.183065	0.981636	chr10	14592040	14593584	+	0	NA	intron (N	intron (N	11589	NM_001282	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-248	7.400001	-1.1709	0.879463	-1.33138	0.183065	0.981636	chr12	24866523	24867475	+	0	NA	intron (N	LTR12C|LT	35223	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr13-772	7.400001	-1.1709	0.879463	-1.33138	0.183065	0.981636	chr13	77261971	77262265	+	0	NA	exon (NM_	exon (NM_	64976	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|P	MYC bindi	protein-coding
chr20-449	7.400001	-1.1709	0.879463	-1.33138	0.183065	0.981636	chr20	44948206	44948638	+	0	NA	intron (N	MamRep187	11975	NM_006809	10953	Hs.517066	NM_006809	ENSG00000	TOMM34	HTOM34P|T	transloca	protein-coding
chr15-727	8.402514	1.105549	0.830511	1.331167	0.183134	0.981636	chr15	72781785	72782008	+	0	NA	promoter-	promoter-	-939	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr15-808	7.392143	-1.16937	0.879331	-1.32984	0.183572	0.981636	chr15	80887760	80890177	+	0	NA	intron (N	intron (N	-46895	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr2-2248	7.392143	-1.16937	0.879331	-1.32984	0.183572	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	L1MA8|LIN	106454	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr6-9955	7.392143	-1.16937	0.879331	-1.32984	0.183572	0.981636	chr6	99550139	99550840	+	0	NA	intron (N	intron (N	18171	NM_005190	892	Hs.430646	NM_005190	ENSG00000	CCNC	CycC|SRB1	cyclin C	protein-coding
chr9-8594	7.392143	-1.16937	0.879331	-1.32984	0.183572	0.981636	chr9	85944509	85945051	+	0	NA	intron (N	Charlie16	3251	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr9-1252	7.171769	1.194921	0.898869	1.329361	0.183729	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx1|SI	2433	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr1-1225	16.16757	0.814603	0.61283	1.329246	0.183767	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1035182	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-770	6.194494	-1.30115	0.978959	-1.32912	0.18381	0.981636	chr15	77055274	77055556	+	0	NA	intron (N	intron (N	15694	NM_001168	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspan	protein-coding
chr11-651	5.931317	1.31274	0.987682	1.329113	0.183811	0.981636	chr11	65183942	65184259	+	0	NA	intron (N	intron (N	2172	NM_005186	823	Hs.502842	NM_005186	ENSG00000	CAPN1	CANP|CANP	calpain 1	protein-coding
chr19-623	5.931317	1.31274	0.987682	1.329113	0.183811	0.981636	chr19	6230157	6230362	+	0	NA	intron (N	CpG	49716	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr21-419	7.407858	-1.1724	0.882154	-1.32903	0.18384	0.981636	chr21	41913211	41913605	+	0	NA	intron (N	intron (N	13295	NM_199050	25966	Hs.473894	NM_015500	ENSG00000	C2CD2	C21orf25|	C2 calciu	protein-coding
chr12-955	5.383881	-1.37805	1.037031	-1.32885	0.183899	0.981636	chr12	95525885	95526248	+	0	NA	intron (N	intron (N	22172	NM_001278	84101	Hs.646421	NM_032147	ENSG00000	USP44	-	ubiquitin	protein-coding
chr3-1868	5.383881	-1.37805	1.037031	-1.32885	0.183899	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	5387	NM_002916	5984	Hs.732098	NM_002916	ENSG00000	RFC4	A1|RFC37	replicati	protein-coding
chr7-1278	5.383881	-1.37805	1.037031	-1.32885	0.183899	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	L2c|LINE|	-150960	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr12-480	6.137639	-1.30383	0.981473	-1.32845	0.184031	0.981636	chr12	48097341	48097560	+	0	NA	intron (N	intron (N	-7803	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|G	phosphofr	protein-coding
chr14-673	6.137639	-1.30383	0.981473	-1.32845	0.184031	0.981636	chr14	67385756	67386083	+	0	NA	3’ UTR (N	3’ UTR (N	25591	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr22-176	6.137639	-1.30383	0.981473	-1.32845	0.184031	0.981636	chr22	17667133	17667332	+	0	NA	intron (N	AluSq2|SI	11570	NR_073069	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr1-2056	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	TTS (NM_1	TTS (NM_1	29554	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr12-248	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr12	24848090	24848364	+	0	NA	intron (N	L1MC2|LIN	53995	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr12-105	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSx|SIN	34409	NM_001145	387882	Hs.368938	NM_207376	ENSG00000	C12orf75	AGD3|OCC-	chromosom	protein-coding
chr13-249	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr13	24905754	24906699	+	0	NA	non-codin	non-codin	16635	NR_047595	55835	Hs.513379	NM_018451	ENSG00000	CENPJ	BM032|CEN	centromer	protein-coding
chr13-491	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr13	49179868	49181075	+	0	NA	intron (N	intron (N	-39867	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr6-1544	5.409305	-1.36686	1.029764	-1.32735	0.184393	0.981636	chr6	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	8105	NM_001368	154043	Hs.16064	NM_173515	ENSG00000	CNKSR3	CNK3|CNK3	CNKSR fam	protein-coding
chr18-622	7.214759	1.207818	0.91028	1.326864	0.184554	0.981636	chr18	62263901	62264165	+	0	NA	exon (NM_	exon (NM_	-61254	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEO	TNF recep	protein-coding
chr16-649	5.417163	-1.36887	1.031701	-1.32681	0.184572	0.981636	chr16	64949684	64950129	+	0	NA	intron (N	L2b|LINE|	172157	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr16-749	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr16	74956233	74956825	+	0	NA	exon (NM_	exon (NM_	28594	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr19-205	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr19	20560511	20560710	+	0	NA	intron (N	AluSp|SIN	5171	NM_001159	1E+08	Hs.515696	NM_001159	ENSG00000	ZNF737	ZNF102	zinc fing	protein-coding
chr19-365	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr19	36532125	36533281	+	0	NA	Intergeni	AluSp|SIN	-4432	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr20-459	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr20	45907092	45907653	+	0	NA	intron (N	intron (N	3622	NM_001242	5360	Hs.439312	NM_006227	ENSG00000	PLTP	BPIFE|HDL	phospholi	protein-coding
chr3-9684	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr3	9684793	9686595	+	0	NA	intron (N	intron (N	-18139	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr3-5195	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr3	51957705	51959294	+	0	NA	intron (N	intron (N	3118	NM_080865	118442	Hs.232213	NM_080865	ENSG00000	GPR62	GPCR8|KPG	G protein	protein-coding
chr4-5680	5.964598	1.315422	0.991427	1.326797	0.184576	0.981636	chr4	5680604	5682029	+	0	NA	intron (N	intron (N	27243	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr8-2330	8.597649	-1.07918	0.813974	-1.32582	0.184901	0.981636	chr8	23301482	23303479	+	0	NA	intron (N	intron (N	14372	NM_001136	203069	Hs.458644	NM_001136	ENSG00000	R3HCC1	-	R3H domai	protein-coding
chr10-889	6.178778	-1.29752	0.978808	-1.32561	0.184968	0.981636	chr10	88945839	88946700	+	0	NA	intron (N	AluJr|SIN	6504	NM_001613	59	Hs.500483	NM_001613	ENSG00000	ACTA2	ACTSA	actin alp	protein-coding
chr14-572	6.178778	-1.29752	0.978808	-1.32561	0.184968	0.981636	chr14	57246361	57246560	+	0	NA	intron (N	intron (N	22445	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PR	exocyst c	protein-coding
chr12-109	5.376023	-1.37606	1.038945	-1.32447	0.185345	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz6|SI	39382	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr15-483	5.376023	-1.37606	1.038945	-1.32447	0.185345	0.981636	chr15	48336863	48337260	+	0	NA	intron (N	intron (N	4864	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr15-101	9.826729	-1.01662	0.7676	-1.32441	0.185367	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	TTS (NR_0	TTS (NR_0	2598	NR_051985	1E+08	Hs.644359	NR_034090	ENSG00000	DDX11L9	-	DEAD/H-bo	pseudo
chr5-1098	7.384285	-1.1678	0.881762	-1.32439	0.185372	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-32002	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr10-406	32.60877	0.604123	0.456434	1.323572	0.185645	0.981636	chr10	40614741	40615808	+	0	NA	Intergeni	ALR/Alpha	1752771	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-306	5.401447	-1.36484	1.031649	-1.32296	0.185847	0.981636	chr10	3069296	3071238	+	0	NA	intron (N	intron (N	1078	NM_001345	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|P	phosphofr	protein-coding
chr10-680	5.401447	-1.36484	1.031649	-1.32296	0.185847	0.981636	chr10	68049414	68050578	+	0	NA	intron (N	AluSz6|SI	25287	NM_001278	26091	Hs.51891	NM_015601	ENSG00000	HERC4	-	HECT and	protein-coding
chr14-739	5.401447	-1.36484	1.031649	-1.32296	0.185847	0.981636	chr14	73914481	73914887	+	0	NA	intron (N	AluSx|SIN	27825	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding
chr22-357	7.415716	-1.17391	0.88747	-1.32276	0.185917	0.981636	chr22	35762939	35763353	+	0	NA	intron (N	intron (N	45274	NM_030642	80831	Hs.326561	NM_030642	ENSG00000	APOL5	APOL-V|AP	apolipopr	protein-coding
chr1-1550	3.982131	1.620535	1.225283	1.32258	0.185975	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	6929	NM_001252	51043	Hs.729279	NM_001252	ENSG00000	ZBTB7B	CKROX|THP	zinc fing	protein-coding
chr1-1623	3.982131	1.620535	1.225283	1.32258	0.185975	0.981636	chr1	1.62E+08	1.62E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2193	NM_001085	400793	Hs.447011	NM_001085	ENSG00000	C1orf226	-	chromosom	protein-coding
chr7-1075	8.991089	1.055257	0.798466	1.321606	0.1863	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA7|LIN	-26812	NM_001270	11062	Hs.97627	NM_181581	ENSG00000	DUS4L	DUS4|PP35	dihydrour	protein-coding
chr20-264	24.64525	0.668793	0.50628	1.320994	0.186503	0.981636	chr20	26473319	26475080	+	0	NA	Intergeni	ALR/Alpha	-264966	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-8456	9.803155	-1.01301	0.767051	-1.32066	0.186615	0.981636	chr1	84565789	84565993	+	0	NA	exon (NM_	exon (NM_	8549	NM_004388	1486	Hs.513557	NM_004388	ENSG00000	CTBS	CTB	chitobias	protein-coding
chr1-1481	8.484793	1.10547	0.837126	1.320554	0.18665	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	L2a|LINE|	-7498	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr22-193	6.724179	1.279697	0.969123	1.320469	0.186678	0.981636	chr22	19331792	19332088	+	0	NA	intron (N	intron (N	-40221	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr22-139	8.973524	1.049068	0.794551	1.320328	0.186726	0.981636	chr22	13927444	13927682	+	0	NA	Intergeni	ALR/Alpha	-1600596	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr2-8505	6.104357	-1.312	0.993889	-1.32007	0.186813	0.981636	chr2	85054774	85055005	+	0	NA	3’ UTR (N	3’ UTR (N	12458	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr4-3977	6.104357	-1.312	0.993889	-1.32007	0.186813	0.981636	chr4	39774840	39775243	+	0	NA	intron (N	intron (N	76905	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr10-457	8.638788	-1.07516	0.814648	-1.31978	0.186908	0.981636	chr10	45737059	45737291	+	0	NA	intron (N	AluJb|SIN	9909	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr19-138	8.589791	-1.07784	0.81697	-1.31931	0.187064	0.981636	chr19	13830496	13830831	+	0	NA	exon (NM_	exon (NM_	5696	NR_029497	407013		NR_029497	ENSG00000	MIR24-2	MIRN24-2|	microRNA	ncRNA
chr6-8090	8.589791	-1.07784	0.81697	-1.31931	0.187064	0.981636	chr6	8090980	8091494	+	0	NA	intron (N	L1MB3|LIN	-4704	NR_003703	1E+08		NR_003703		SCARNA27	-	small Caj	ncRNA

chr19-517	8.564367	-1.08463	0.822258	-1.31909	0.187138	0.981636	chr19	51701858	51702599	+	0	NA	intron (N	intron (N	-8772	NR_108100	1.02E+08	Hs.640185	NR_108100	ENSG00000	SPACA6P-A	LINC01129	SPACA6P a	ncRNA
chr19-280	7.162062	1.18464	0.898102	1.319049	0.187153	0.981636	chr19	2808862	2809297	+	0	NA	intron (N	Tigger17a	-10789	NM_001102	115196	Hs.307043	NM_152303	ENSG00000	ZNF554	-	zinc fing	protein-coding
chr1-2513	5.255865	1.374347	1.042665	1.31811	0.187467	0.981636	chr1	2513376	2514276	+	0	NA	intron (N	intron (N	12770	NM_018216	55229	Hs.26156	NM_018216	ENSG00000	PANK4	-	pantother	protein-coding
chr1-2124	5.255865	1.374347	1.042665	1.31811	0.187467	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L2|LINE|L	11787	NM_013349	29937	Hs.461787	NM_013349	ENSG00000	NENF	CIR2|SCIR	neudesin	protein-coding
chr1-1717	11.94732	0.913451	0.693046	1.318023	0.187496	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSz|SIN	5883	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr6-5956	109.3849	0.427096	0.324061	1.317951	0.18752	0.981636	chr6	59566217	59566459	+	0	NA	Intergeni	ALR/Alpha	-1604892	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr17-401	10.27083	0.998654	0.758023	1.317446	0.187689	0.981636	chr17	40148781	40149092	+	0	NA	intron (N	AluSz6|SI	8399	NM_007359	22794	Hs.743287	NM_007359	ENSG00000	CASC3	BTZ|MLN51	CASC3 exc	protein-coding
chr11-111	9.869718	-1.00374	0.762193	-1.31691	0.187869	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	15066	NM_001258	143903	Hs.503831	NM_178834	ENSG00000	LAYN	-	layilin	protein-coding
chr19-131	6.078934	-1.32238	1.005278	-1.31544	0.188362	0.981636	chr19	13107771	13108017	+	0	NA	intron (N	intron (N	-5036	NM_005583	4066	Hs.46446	NM_005583	ENSG00000	LYL1	bHLHa18	LYL1 basi	protein-coding
chr1-2075	7.376427	-1.16618	0.886828	-1.315	0.188508	0.981636	chr1	20752842	20753581	+	0	NA	intron (N	AluSc8|SI	-20508	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr12-122	7.376427	-1.16618	0.886828	-1.315	0.188508	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-31962	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr14-954	7.376427	-1.16618	0.886828	-1.315	0.188508	0.981636	chr14	95438694	95439146	+	0	NA	intron (N	intron (N	36915	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr4-1459	7.279472	1.199583	0.912329	1.314859	0.188557	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	36517	NM_178835	152485	Hs.133916	NM_178835	ENSG00000	ZNF827	-	zinc fing	protein-coding
chr11-466	8.9481	1.044929	0.795073	1.314257	0.18876	0.981636	chr11	46665302	46665799	+	0	NA	intron (N	intron (N	35069	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr19-630	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr19	630536	630735	+	0	NA	intron (N	intron (N	2902	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr19-122	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr19	12286883	12287408	+	0	NA	intron (N	L1PB4|LIN	7467	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KO	zinc fing	protein-coding
chr3-1604	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	12886	NR_029525	406951		NR_029525	ENSG00000	MIR16-2	MIRN16-2|	microRNA	ncRNA
chr3-1604	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	16589	NR_029525	406951		NR_029525	ENSG00000	MIR16-2	MIRN16-2|	microRNA	ncRNA
chr4-1031	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA7|LIN	28236	NM_001286	1062	Hs.75573	NM_001813	ENSG00000	CENPE	CENP-E|KI	centromer	protein-coding
chr7-5518	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr7	55185174	55185698	+	0	NA	intron (N	intron (N	3513	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-1400	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	TTS (NM_	TTS (NM_	39940	NM_022750	64761	Hs.12646	NM_022750	ENSG00000	PARP12	ARTD12|MS	poly(ADP-	protein-coding
chr8-6416	5.393589	-1.36278	1.037459	-1.31357	0.18899	0.981636	chr8	6416339	6416538	+	0	NA	intron (N	L1MEf|LIN	9285	NM_001322	79648	Hs.593807	NM_024596	ENSG00000	MCPH1	BRIT1|MCT	microceph	protein-coding
chr8-1446	5.248007	1.378034	1.049619	1.31289	0.18922	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	AluJb|SIN	668	NM_001308	80728	Hs.148988	NM_025251	ENSG00000	ARHGAP39	CrGAP|Vil	Rho GTPas	protein-coding
chr16-577	7.254048	1.194469	0.910564	1.311791	0.189591	0.981636	chr16	57790556	57790788	+	0	NA	intron (N	MIR|SINE|	7345	NM_001130	3801	Hs.23131	NM_005550	ENSG00000	KIFC3	-	kinesin f	protein-coding
chr10-608	5.230441	1.367702	1.04266	1.311743	0.189607	0.981636	chr10	60883060	60883629	+	0	NA	intron (N	intron (N	60841	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr16-198	5.230441	1.367702	1.04266	1.311743	0.189607	0.981636	chr16	19871240	19872158	+	0	NA	intron (N	intron (N	13149	NM_016235	51704	Hs.148685	NM_016235	ENSG00000	GPRC5B	RAIG-2|RA	G protein	protein-coding
chr19-363	5.230441	1.367702	1.04266	1.311743	0.189607	0.981636	chr19	36345974	36347227	+	0	NA	intron (N	AluSc|SIN	-14882	NR_038278	1.01E+08	Hs.595153	NR_038278	ENSG00000	LINC00665	-	long inte	ncRNA
chr22-418	5.230441	1.367702	1.04266	1.311743	0.189607	0.981636	chr22	41873835	41875875	+	0	NA	intron (N	AluSq2|SI	-26089	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr3-1416	5.230441	1.367702	1.04266	1.311743	0.189607	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1PA5|LIN	6967	NR_136190	646730	Hs.570677	NR_136190		LINC02618	-	long inte	ncRNA
chr10-680	9.384688	-1.0504	0.80079	-1.31171	0.189619	0.981636	chr10	68067149	68067364	+	0	NA	TTS (NM_	TTS (NM_	8027	NM_001278	26091	Hs.51891	NM_015601	ENSG00000	HERC4	-	HECT and	protein-coding
chr5-4666	3.255832	1.782972	1.359443	1.311546	0.189673	0.981636	chr5	46665392	46666191	+	0	NA	Intergeni	ALR/Alpha	-969411	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr2-3905	5.898035	1.309796	0.998889	1.311253	0.189772	0.981636	chr2	39054512	39054719	+	0	NA	exon (NM_	exon (NM_	65848	NM_005633	6654	Hs.709893	NM_005633	ENSG00000	SOS1	GF1|GGF1|	SOS Ras/R	protein-coding
chr16-156	5.939175	1.309278	0.998615	1.311094	0.189826	0.981636	chr16	1561709	1563139	+	0	NA	intron (N	intron (N	-18103	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG00000	LOC105371	-	uncharact	ncRNA
chr5-1155	7.343145	-1.17266	0.894559	-1.31088	0.189897	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	-21331	NR_109875	1.02E+08	Hs.745340	NR_109874		LOC101927	-	uncharact	ncRNA
chr5-4936	56.21002	0.50863	0.388023	1.310822	0.189918	0.981636	chr5	49368045	49368499	+	0	NA	Intergeni	ALR/Alpha	1073016	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2123	7.760344	1.128995	0.861294	1.310812	0.189921	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	MER5A|DNA	30023	NM_018252	55248	Hs.445386	NM_018252	ENSG00000	PACC1	C1orf75|F	proton ac	protein-coding
chr17-161	8.615215	-1.0711	0.817319	-1.3105	0.190025	0.981636	chr17	16146274	16146589	+	0	NA	exon (NM_	exon (NM_	6765	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr8-8997	8.615215	-1.0711	0.817319	-1.3105	0.190025	0.981636	chr8	89977405	89977701	+	0	NA	intron (N	L1PA8|LIN	7118	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin	protein-coding
chr12-779	6.129781	-1.30177	0.993597	-1.31016	0.190141	0.981636	chr12	77945851	77946199	+	0	NA	intron (N	AluSx1|SI	115131	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr5-1295	6.129781	-1.30177	0.993597	-1.31016	0.190141	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-102597	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr1-2064	11.45859	0.947769	0.723593	1.30981	0.19026	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	L2c|LINE|	-49130	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr5-7120	13.64923	0.853434	0.651613	1.309725	0.190289	0.981636	chr5	71204016	71204433	+	0	NA	intron (N	intron (N	3907	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr10-408	15.45884	0.810488	0.618828	1.309714	0.190293	0.981636	chr10	40835250	40835639	+	0	NA	Intergeni	ALR/Alpha	1532601	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr3-1551	4.641866	1.506869	1.15058	1.309661	0.19031	0.981636	chr3	1.55E+08	1.55E+08	+	0	NA	intron (N	L2|LINE|L	-71203	NR_125399	1.02E+08	Hs.121410	NR_125399	ENSG00000	LINC01487	-	long inte	ncRNA
chr15-484	8.581933	-1.07649	0.822148	-1.30936	0.190413	0.981636	chr15	48494896	48495130	+	0	NA	intron (N	intron (N	150775	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillir	protein-coding
chr20-590	7.417566	-1.16121	0.886938	-1.30924	0.190454	0.981636	chr20	59034163	59034630	+	0	NA	3' UTR (N	3' UTR (N	-2061	NM_006886	514	Hs.177530	NM_006886	ENSG00000	ATP5F1E	ATP5E|ATP	ATP synth	protein-coding
chr17-319	7.317721	-1.1809	0.902058	-1.30912	0.190493	0.981636	chr17	31939780	31939979	+	0	NA	intron (N	intron (N	2872	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr7-1349	5.434729	-1.35559	1.035751	-1.3088	0.190602	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MC1|LIN	11974	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmor	protein-coding
chr8-4243	5.434729	-1.35559	1.035751	-1.3088	0.190602	0.981636	chr8	42435830	42436029	+	0	NA	intron (N	AluSx1|SI	44049	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr9-1255	5.905893	1.306518	0.998797	1.308092	0.190842	0.981636	chr9	1.26E+08	1.26E+08	+	0	NA	intron (N	L1MD2|LIN	126221	NM_001006	79109	Hs.495138	NM_024117	ENSG00000	MAPKAP1	JC310|MIP	MAPK assc	protein-coding
chr1-2064	8.955958	1.042904	0.797698	1.307392	0.19108	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	(CCCTTCT)	13248	NR_106919	1.02E+08		NR_106919	ENSG00000	MIR6769B	hsa-mir-6	microRNA	ncRNA
chr1-1538	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluJb|SIN	33078	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr1-1799	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	33180	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2309	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	49426	NR_110681	1.02E+08	Hs.638929	NR_110681	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-2368	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	67930	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr10-125	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	exon (NM_	exon (NM_	17308	NM_078469	56647	Hs.370292	NM_016567	ENSG00000	BCCIP	TOK-1|TOK	BRCA2 anc	protein-coding
chr7-2683	7.717355	1.117098	0.854737	1.30695	0.19123	0.981636	chr7	26836543	26837869	+	0	NA	intron (N	L1PA7|LIN	20517	NM_001303	8935	Hs.200770	NM_003930	ENSG00000	SKAP2	PRAP|RA70	src kinas	protein-coding
chr7-1177	5.933167	1.328541	1.016746	1.30666	0.191328	0.981636	chr7	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	117263	NM_001363	83992	Hs.592285	NM_033427	ENSG00000	CTTNBP2	C7orf8|CO	cortactir	protein-coding
chr10-699	5.263723	1.370738	1.049214	1.306442	0.191402	0.981636	chr10	69921415	69921665	+	0	NA	intron (N	intron (N	119634	NM_080802	1305	Hs.695934	NM_005203	ENSG00000	COL13A1	CMS19|COL	collagen	protein-coding
chr11-117	6.48661	1.219004	0.933161	1.306317	0.191445	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	13281	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr5-6991	19.02121	0.751008	0.574975	1.306158	0.191499	0.981636	chr5	69915336	69915556	+	0	NA	intron (N	intron (N	-11426	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr1-2252	7.169919	1.181854	0.905823	1.30473	0.191985	0.981636	chr1	22526423	22527083	+	0	NA	3' UTR (N	3' UTR (N	-36736	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr19-114	7.169919	1.181854	0.905823	1.30473	0.191985	0.981636	chr19	11449224	11449653	+	0	NA	intron (N	CpG-13737	-13656	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-cc	protein-coding
chr20-358	7.169919	1.181854	0.905823	1.30473	0.191985	0.981636	chr20	3583838	3584100	+	0	NA	exon (NM_	exon (NM_	79430	NM_022139	64096	Hs.302025	NM_022139	ENSG00000	GFRA4	-	GDNF fami	protein-coding
chr21-323	8.922676	1.040765	0.797711	1.304689	0.191999	0.981636	chr21	32366385	32366651	+	0	NA	intron (N	intron (N	10804	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr17-477	7.228625	1.189327	0.911618	1.304633	0.192018	0.981636	chr17	47710702	47710901	+	0	NA	3' UTR (N	3' UTR (N	15537	NM_014726	9755	Hs.94790	NM_014726	ENSG00000	TBKBP1	ProSAPiP2	TBK1 binc	protein-coding
chr10-732	7.750637	1.119479	0.858462	1.304051	0.192216	0.981636	chr10	73240798	73241079	+	0	NA	intron (N	intron (N	6317	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr11-988	7.750637	1.119479	0.858462	1.304051	0.192216	0.981636	chr11	988808	989007	+	0	NA	intron (N	AluJb|SIN	47811	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr3-1239	9.846145	-1.0001	0.766953	-1.30399	0.192236	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSg|SIN	12877	NM_001366	64770	Hs.645028	NM_022757	ENSG00000	CCDC14	-	coiled-cc	protein-coding
chr7-3563	9.846145	-1.0001	0.766953	-1.30399	0.192236	0.981636	chr7	35634985	35635288	+	0	NA	exon (NM_	exon (NM_	59999	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr5-1130	7.409708	-1.15959	0.889399	-1.30379	0.192304	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA5|LIN	97150	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr1-2175	6.478752	1.221875	0.937572	1.303233	0.192495	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (N	SVA_D|Ret	106956	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch c	protein-coding
chr4-1532	6.478752	1.221875	0.937572	1.303233	0.192495	0.981636	chr4	1.53E+08	1.53E+08	+	0	NA	intron (N	LTR10A|LT	8904	NR_001562	303	Hs.546235	NR_001562		ANXA2P1	ANX2L1|AN	annexin A	pseudo
chr7-2752	6.478752	1.221875	0.937572	1.303233	0.192495	0.981636	chr7	27528976	27529455	+	0	NA	intron (N	Tigger1|D	-86759	NR_122122	790953	Hs.571330	NR_122122		TSL	-	testis-ex	ncRNA
chr16-382	836.841	0.313895	0.241065	1.302116	0.192877	0.981636	chr16	38276157	38276483	+	0	NA	Intergeni	ALR/Alpha	2529768	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr15-808	8.656354	-1.06699	0.819424	-1.30212	0.192877	0.981636	chr15	80881055	80881426	+	0	NA	intron (N	L2a|LINE|	-39167	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr4-2643	8.656354	-1.06699	0.819424	-1.30212	0.192877	0.981636	chr4	26435393	26435611	+	0	NA	TTS (NM_2	TTS (NM_2	54982	NM_000730	886	Hs.129	NM_000730	ENSG00000	CCKAR	CCK-A|CCK	cholecyst	protein-coding
chr2-2005	7.368569	-1.1645	0.894681	-1.30158	0.193059	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	16812	NM_152524	151246	Hs.655182	NM_152524	ENSG00000	SGO2	SGOL2|TRI	shugoshir	protein-coding
chr3-1111	7.368569	-1.1645	0.894681	-1.30158	0.193059	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	88428	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr1-7470	10.66462	-0.98461	0.756691	-1.30121	0.193186	0.981636	chr1	74706740	74706956	+	0	NA	intron (N	intron (N	26202	NM_001889	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding
chr7-5200	9.014663	1.049194	0.806595	1.30077	0.193337	0.981636	chr7	5200584	5200988	+	0	NA	intron (N	intron (N	10553	NM_015610	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr9-1370	9.014663	1.049194	0.806595	1.30077	0.193337	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	9293	NR_045720	11253	Hs.279881	NM_016219	ENSG00000	MAN1B1	ERMAN1|ER	mannosida	protein-coding
chr1-6665	11.11821	-0.94269	0.724763	-1.30068	0.193368	0.981636	chr1	66652929	66653185	+	0	NA	intron (N	intron (N	24617	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr11-108	8.607357	-1.06967	0.822499	-1.30052	0.193424	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz6|SI	9284	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serir	protein-coding
chr2-3328	8.607357	-1.06967	0.822499	-1.30052	0.193424	0.981636	chr2	33289250	33289666	+	0	NA	intron (N	AluJr|SIN	-129058	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr9-1372	8.607357	-1.06967	0.822499	-1.30052	0.193424	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	1769	NM_015456	25920	Hs.521809	NM_015456	ENSG00000	NELFB	COBRA1|NE	negative	protein-coding
chr3-1423	6.519892	1.221702	0.939436	1.300463	0.193442	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx|SIN	-109546	NR_033289	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr5-3363	6.519892	1.221702	0.939436	1.300463	0.193442	0.981636	chr5	33639588	33640107	+	0	NA	intron (N	intron (N	199071	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr11-128	6.614811	-1.20764	0.928813	-1.30019	0.193535	0.981636	chr11	1281989	1282233	+	0	NA	intron (N	L1MC4|LIN	20679	NM_001318	54472	Hs.368527	NM_019009	ENSG00000	TOLLIP	IL-1RAcPI	toll inte	protein-coding
chr2-4359	6.614811	-1.20764	0.928813	-1.30019	0.193535	0.981636	chr2	43591160	43591431	+	0	NA	intron (N	AluJb|SIN	4679	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr3-1278	6.614811	-1.20764	0.928813	-1.30019	0.193535	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	13956	NM_007283	11343	Hs.277035	NM_007283	ENSG00000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr4-5590	6.614811	-1.20764	0.928813	-1.30019	0.193535	0.981636	chr4	55904964	55905605	+	0	NA	TTS (NM_	TTS (NM_	-43661	NM_025009	9662	Hs.518767	NM_014645	ENSG00000	CEP135	CEP4|KIAA	centrosom	protein-coding
chr4-1138	6.614811	-1.20764	0.928813	-1.30019	0.193535	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	Intergeni	Intergeni	83914	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr14-767	5.238299	1.364045	1.049213	1.300065	0.193579	0.981636	chr14	76787882	76791671	+	0	NA	intron (N	AluSx1|SI	-3052	NR_104183	1.01E+08	Hs.673984	NR_104183	ENSG00000	VASH1-AS1	-	VASH1 ant	ncRNA
chr16-874	5.238299	1.364045	1.049213	1.300065	0.193579	0.981636	chr16	87417955	87418429	+	0	NA	intron (N	intron (N	25856	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr17-196	5.238299	1.364045	1.049213	1.300065	0.193579	0.981636	chr17	19654825	19656843	+	0	NA	intron (N	MIR|SINE|	7083	NM_001031	224	Hs.499886	NM_000382	ENSG00000	ALDH3A2	ALDH10|FA	aldehyde	protein-coding
chr9-1162	5.238299	1.364045	1.049213	1.300065	0.193579	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	88647	NM_002581	5069	Hs.643599	NM_002581	ENSG00000	PAPPA	ASBABP2|D	pappalysi	protein-coding
chr15-756	5.205018	1.361015	1.046923	1.300014	0.193596	0.981636	chr15	75658729	75659217	+	0	NA	TTS (NM_	TTS (NM_	9966	NM_001318	257364	Hs.8705	NM_153271	ENSG00000	SNX33	SH3PX3|SH	sorting r	protein-coding
chr19-402	5.205018	1.361015	1.046923	1.300014	0.193596	0.981636	chr19	40203456	40204513	+	0	NA	intron (N	L2c|LINE|	12558	NM_002446	4294	Hs.466743	NM_002446	ENSG00000	MAP3K10	MEKK10|MI	mitogen-a	protein-coding
chr19-443	5.205018	1.361015	1.046923	1.300014	0.193596	0.981636	chr19	44396125	44396858	+	0	NA	intron (N	MLT2C1|LT	5117	NM_001291	26974	Hs.709428	NM_152354	ENSG00000	ZNF285	ZNF285A	zinc fing	protein-coding
chr19-531	5.205018	1.361015	1.046923	1.300014	0.193596	0.981636	chr19	53173658	53175245	+	0	NA	intron (N	intron (N	-15391	NM_001172	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr17-384	9.875726	-1.01447	0.780421	-1.2999	0.193635	0.981636	chr17	38486033	38486843	+	0	NA	intron (N	AluJr|SIN	57974	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr7-5861	3.230408	1.772784	1.364521	1.299198	0.193876	0.981636	chr7	58610589	58611287	+	0	NA	Intergeni	ALR/Alpha	1160761	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1558	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	21499	NM_152280	23208	Hs.32984	NM_152280	ENSG00000	SYT11	SYT12|syt	synaptota	protein-coding
chr17-288	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chr17	28879488	28882492	+	0	NA	intron (N	intron (N	16743	NM_004475	2319	Hs.514038	NM_004475	ENSG00000	FLOT2	ECS-1|ECS	flotillir	protein-coding
chr19-139	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chr19	1398631	1399177	+	0	NA	exon (NM_	exon (NM_	2638	NM_000156	2593	Hs.81131	NM_000156	ENSG00000	GAMT	CCDS2|HEL	guanidinc	protein-coding
chr22-200	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chr22	20053761	20054181	+	0	NA	intron (N	intron (N	20832	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr9-1282	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	10101	NM_001040	375757	Hs.259594	NM_001040	ENSG00000	SWI5	C9orf119|	SWI5 homc	protein-coding
chrX-1578	7.725213	1.114734	0.85803	1.299178	0.193883	0.981636	chrX	15784862	15785061	+	0	NA	TTS (NR_	TTS (NR_	2628	NR_002725	8551	Hs.653287	NR_002725	ENSG00000	INE2	NCRNA0001	inactivat	ncRNA
chr19-868	8.648496	-1.06561	0.820316	-1.29903	0.193934	0.981636	chr19	868005	868720	+	0	NA	intron (N	intron (N	8698	NM_001928	1675	Hs.155597	NM_001928	ENSG00000	CFD	ADIPSIN|A	complemer	protein-coding
chr8-1865	8.648496	-1.06561	0.820316	-1.29903	0.193934	0.981636	chr8	1865365	1865599	+	0	NA	intron (N	intron (N	41556	NM_001308	9639	Hs.98594	NM_014629	ENSG00000	ARHGEF10	GEF10|SNC	Rho guani	protein-coding
chr22-317	5.385731	-1.36065	1.047515	-1.29893	0.193966	0.981636	chr22	31720795	31721034	+	0	NA	intron (N	intron (N	29218	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr3-1872	5.385731	-1.36065	1.047515	-1.29893	0.193966	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-33703	NR_110052	1.02E+08	Hs.640145	NR_110052	ENSG00000	LOC101929	-	uncharact	ncRNA
chr10-973	7.136638	1.179342	0.908024	1.298801	0.194012	0.981636	chr10	97392889	97393612	+	0	NA	intron (N	intron (N	8090	NM_015179	23223	Hs.434251	NM_015179	ENSG00000	RRP12	KIAA0690	ribosomal	protein-coding
chr1-1580	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr1	1.58E+08	1.58E+08	+	0	NA	3' UTR (N	3' UTR (N	45298	NR_033946	646268	Hs.506902	NR_033946	ENSG00000	LINC01704	-	long inte	ncRNA
chr11-100	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr11	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	43183	NR_145747	1.1E+08		NR_145747		SNORD13I	-	small nuc	snoRNA
chr19-418	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr19	41895665	41896511	+	0	NA	intron (N	intron (N	11645	NM_199002	9138	Hs.631550	NM_004706	ENSG00000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr19-498	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr19	49838341	49838734	+	0	NA	TTS (NR_	TTS (NR_	6519	NR_106858	1.02E+08		NR_106858	ENSG00000	MIR6800	hsa-mir-6	microRNA	ncRNA
chr21-336	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr21	33609736	33610328	+	0	NA	intron (N	SVA_A|Ret	-21348	NM_017613	29980	Hs.436341	NM_017613	ENSG00000	DONSON	B17|C21or	downstrea	protein-coding
chr22-190	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr22	19044646	19045747	+	0	NA	TTS (NR_	TTS (NR_	3179	NR_024157	25786	Hs.720269	NR_024157	ENSG00000	DGCR11	DGS-D	DiGeorge	ncRNA
chr3-1228	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MEg|LIN	-35696	NR_024618	1E+08	Hs.61558	NR_024618	ENSG00000	LINC02035	-	long inte	ncRNA
chr4-1186	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	9276	NR_109983	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr7-3015	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr7	30152303	30152665	+	0	NA	intron (N	MER5A1|DN	17498	NM_152793	222166	Hs.200100	NM_152793	ENSG00000	MTURN	C7orf41|E	maturin,	protein-coding

chr9-3752	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr9	37524074	37525032	+	0	NA	intron (N	L2b|LINE|	38605	NM_022490	64425	Hs.591087	NM_022490	ENSG00000	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr9-1287	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	20121	NM_006336	10444	Hs.147950	NM_006336	ENSG00000	ZER1	C9orf60|Z	zyg-11 re	protein-coding
chr9-1354	6.461186	1.213481	0.934493	1.298545	0.1941	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	TTS (NM_0	TTS (NM_0	9060	NM_014811	9858	Hs.533260	NM_014811	ENSG00000	PPP1R26	KIAA0649|	protein p	protein-coding
chr15-808	6.648093	-1.2005	0.924504	-1.29853	0.194105	0.981636	chr15	80882296	80883096	+	0	NA	intron (N	intron (N	-40623	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr12-293	7.691931	1.112358	0.856869	1.298165	0.194231	0.981636	chr12	29342929	29343229	+	0	NA	intron (N	intron (N	-25231	NR_103860	1.01E+08	Hs.298851	NR_103860	ENSG00000	LOC100506	-	uncharact	ncRNA
chr2-2029	7.691931	1.112358	0.856869	1.298165	0.194231	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	L1PB|LINE	11101	NM_001352	79800	Hs.444982	NM_024744	ENSG00000	CARF	ALS2CR8|N	calcium r	protein-coding
chr6-3731	7.691931	1.112358	0.856869	1.298165	0.194231	0.981636	chr6	37312743	37314679	+	0	NA	intron (N	intron (N	-40272	NM_183078	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr12-122	8.930534	1.038714	0.800348	1.297828	0.194347	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	-18263	NR_135044	1.01E+08	Hs.536336	NR_135044	ENSG00000	LOC100506	-	uncharact	ncRNA
chr1-6694	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr1	66942710	66943288	+	0	NA	intron (N	intron (N	12743	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-EF	MIER1 tra	protein-coding
chr11-311	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr11	3112735	3113690	+	0	NA	intron (N	MER4-int|	52098	NM_001144	114879	Hs.436166	NM_020896	ENSG00000	OSBPL5	OBPH1|ORF	oxysterol	protein-coding
chr15-809	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr15	80914933	80916276	+	0	NA	intron (N	LTR85b|LT	-73531	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr17-597	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr17	59704123	59705108	+	0	NA	intron (N	L2b|LINE|	2983	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAF	peptidyl-	protein-coding
chr4-7705	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr4	77050100	77050925	+	0	NA	intron (N	intron (N	24398	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr7-6491	4.657397	-1.44379	1.112831	-1.2974	0.194494	0.981636	chr7	64917106	64917881	+	0	NA	intron (N	intron (N	14251	NM_021148	10793	Hs.520889	NM_021148	ENSG00000	ZNF273	HZF9	zinc fing	protein-coding
chr3-9081	6.494468	1.216154	0.937541	1.297174	0.194571	0.981636	chr3	90811765	90812886	+	0	NA	Intergeni	ALR/Alpha	1704704	NM_182644	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr4-6601	6.494468	1.216154	0.937541	1.297174	0.194571	0.981636	chr4	6601980	6603256	+	0	NA	intron (N	intron (N	27429	NM_015274	23324	Hs.188464	NM_015274	ENSG00000	MAN2B2	-	mannosida	protein-coding
chr9-1163	6.494468	1.216154	0.937541	1.297174	0.194571	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	36992	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr1-1240	34.15539	0.582805	0.449321	1.297081	0.194603	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2486311	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-8906	6.640235	-1.19881	0.924401	-1.29685	0.194682	0.981636	chr1	89061175	89063060	+	0	NA	intron (N	L1MB3|LIN	3091	NM_002053	2633	Hs.62661	NM_002053	ENSG00000	GBP1	-	guanylate	protein-coding
chr17-955	6.640235	-1.19881	0.924401	-1.29685	0.194682	0.981636	chr17	955924	956394	+	0	NA	intron (N	intron (N	23617	NM_022463	64359	Hs.527989	NM_022463	ENSG00000	NXN	NRX|TRG-4	nucleorec	protein-coding
chr19-233	6.640235	-1.19881	0.924401	-1.29685	0.194682	0.981636	chr19	23392042	23393448	+	0	NA	intron (N	AluSg|SIN	2726	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr6-1109	6.640235	-1.19881	0.924401	-1.29685	0.194682	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx|SIN	16873	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr9-1101	6.640235	-1.19881	0.924401	-1.29685	0.194682	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	17252	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1150	4.665255	-1.44612	1.115133	-1.29681	0.194696	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	53910	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|D	tenascin	protein-coding
chr3-1797	4.883135	-1.5167	1.169756	-1.2966	0.194769	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	102007	NM_003940	8975	Hs.175322	NM_003940	ENSG00000	USP13	ISOT3|Isc	ubiquitin	protein-coding
chr12-194	7.684073	1.114709	0.860011	1.296157	0.194921	0.981636	chr12	19465785	19465984	+	0	NA	intron (N	AluSx|SIN	25285	NM_001267	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr15-655	6.453328	1.216331	0.938918	1.29546	0.195162	0.981636	chr15	65556818	65557239	+	0	NA	intron (N	L1MC3|LIN	26565	NM_016395	51495	Hs.512973	NM_016395	ENSG00000	HACD3	B-IND1|BI	3-hydroxy	protein-coding
chr20-385	6.453328	1.216331	0.938918	1.29546	0.195162	0.981636	chr20	38566372	38566933	+	0	NA	intron (N	intron (N	-14545	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr1-1562	10.25327	0.993074	0.76663	1.295376	0.195191	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	-2637	NM_001199	11243	Hs.530479	NM_007221	ENSG00000	PMF1	-	polyamine	protein-coding
chr4-1279	7.292298	-1.1896	0.918552	-1.29508	0.195291	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	39357	NM_001190	10733	Hs.172052	NM_014264	ENSG00000	PLK4	MCCRP2|SA	polo like	protein-coding
chr1-1979	5.419013	-1.35132	1.04355	-1.29493	0.195346	0.981636	chr1	19795092	19795954	+	0	NA	intron (N	intron (N	3826	NM_001349	255104	Hs.466729	NM_181719	ENSG00000	TMCO4	-	transmemb	protein-coding
chr1-1500	5.419013	-1.35132	1.04355	-1.29493	0.195346	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSc5|SI	2774	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr19-126	5.419013	-1.35132	1.04355	-1.29493	0.195346	0.981636	chr19	12632513	12632887	+	0	NA	3’ UTR (N	3’ UTR (N	21780	NM_153358	163049	Hs.720677	NM_153358	ENSG00000	ZNF791	-	zinc fing	protein-coding
chr3-1387	5.419013	-1.35132	1.04355	-1.29493	0.195346	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-3559	NM_001256	5291	Hs.239818	NM_006219	ENSG00000	PIK3CB	P110BETA|	phosphati	protein-coding
chr8-4783	5.419013	-1.35132	1.04355	-1.29493	0.195346	0.981636	chr8	47837742	47838572	+	0	NA	intron (N	intron (N	-99993	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr6-1324	5.19716	1.364632	1.053948	1.294781	0.195396	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	THE1B|LTR	19250	NM_001326	8417	Hs.593148	NM_003569	ENSG00000	STX7	-	syntaxin	protein-coding
chr18-752	6.606953	-1.20597	0.931709	-1.29437	0.195539	0.981636	chr18	75201839	75202038	+	0	NA	exon (NM_	exon (NM_	3575	NM_001306	284273	Hs.465433	NM_175907	ENSG00000	ZADH2	PRG-3	zinc bind	protein-coding
chr2-1125	6.606953	-1.20597	0.931709	-1.29437	0.195539	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-22931	NM_001137	84172	Hs.745127	NM_019014	ENSG00000	POLR1B	RPA135|RP	RNA polym	protein-coding
chr15-494	9.838287	-0.99882	0.772168	-1.29353	0.195828	0.981636	chr15	49485488	49485966	+	0	NA	3’ UTR (N	3’ UTR (N	62485	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr20-622	7.203201	1.184109	0.915545	1.293338	0.195894	0.981636	chr20	62272190	62273445	+	0	NA	intron (N	AluJr|SIN	-30079	NM_175573	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr5-5596	12.7519	-0.876	0.677668	-1.29267	0.196124	0.981636	chr5	55962673	55963594	+	0	NA	intron (N	intron (N	31830	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr1-1125	4.64954	-1.4415	1.115234	-1.29255	0.196166	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L1M4|LINE	41172	NM_024494	7482	Hs.258575	NM_004185	ENSG00000	WNT2B	WNT13	Wnt famil	protein-coding
chr10-684	4.64954	-1.4415	1.115234	-1.29255	0.196166	0.981636	chr10	68464357	68465154	+	0	NA	intron (N	AluSp|SIN	7218	NM_001080	1763	Hs.532446	NM_001080	ENSG00000	DNA2	DNA2L|hDN	DNA repli	protein-coding
chr16-374	4.64954	-1.4415	1.115234	-1.29255	0.196166	0.981636	chr16	3749818	3750399	+	0	NA	intron (N	AluJb|SIN	-32584	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr18-471	4.64954	-1.4415	1.115234	-1.29255	0.196166	0.981636	chr18	47136460	47137106	+	0	NA	intron (N	intron (N	13717	NM_001318	84064	Hs.465041	NM_032124	ENSG00000	HDHD2	3110052N0	haloacid	protein-coding
chr8-1708	4.64954	-1.4415	1.115234	-1.29255	0.196166	0.981636	chr8	17086790	17087450	+	0	NA	intron (N	intron (N	59882	NR_146233	286097	Hs.403594	NM_181723	ENSG00000	MICU3	EFHA2	mitochond	protein-coding
chr9-1358	6.071076	-1.32076	1.021977	-1.29236	0.196233	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	91910	NM_015447	157922	Hs.522493	NM_015447	ENSG00000	CAMSAP1	-	calmoduli	protein-coding
chr6-1249	8.963816	1.040801	0.805547	1.292042	0.196343	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-33257	NR_136734	154214	Hs.12876	NM_152553	ENSG00000	RNF217	C6orf172|	ring fing	protein-coding
chr9-1048	8.963816	1.040801	0.805547	1.292042	0.196343	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	MIRb|SINE	40168	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr2-1329	11.55425	-0.91008	0.704767	-1.29132	0.196592	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSx1|SI	18872	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr1-7794	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr1	77941430	77944145	+	0	NA	exon (NM_	exon (NM_	36285	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr11-936	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr11	93695545	93695744	+	0	NA	intron (N	intron (N	-25870	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Caj	ncRNA
chr12-104	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	48571	NM_003211	6996	Hs.584809	NM_003211	ENSG00000	TDG	hTDG	thymine D	protein-coding
chr13-491	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr13	49172062	49172357	+	0	NA	intron (N	intron (N	-48129	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr16-482	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr16	48277931	48278695	+	0	NA	intron (N	intron (N	-30774	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr7-1165	6.632377	-1.1971	0.927275	-1.29099	0.196707	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	MLT1C|LTR	20458	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr2-2238	8.046055	-1.15142	0.892131	-1.29064	0.19683	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	Intergeni	Intergeni	-34189	NR_110906	130340	Hs.632555	NM_178814	ENSG00000	AP1S3	PSORS15	adaptor r	protein-coding
chr19-498	5.972456	1.311655	1.016355	1.290548	0.196861	0.981636	chr19	49830005	49830343	+	0	NA	exon (NM_	exon (NM_	-1844	NR_106858	1.02E+08		NR_106858	ENSG00000	MIR6800	hsa-mir-6	microRNA	ncRNA
chr19-529	7.699789	1.109964	0.860176	1.290392	0.196915	0.981636	chr19	52969404	52970837	+	0	NA	non-codin	non-codin	-7209	NM_001202	1.01E+08	Hs.675715	NM_001202	ENSG00000	ZNF816-ZN	ZNF816-ZN	ZNF816-ZN	protein-coding
chr1-2575	6.469044	1.210594	0.938886	1.289394	0.197261	0.981636	chr1	25753698	25755941	+	0	NA	intron (N	intron (N	-45374	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr19-507	6.469044	1.210594	0.938886	1.289394	0.197261	0.981636	chr19	5075545	5076217	+	0	NA	intron (N	MIRb|SINE	106768	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr20-449	6.469044	1.210594	0.938886	1.289394	0.197261	0.981636	chr20	44922618	44923134	+	0	NA	intron (N	MER20|DNA	-8686	NR_134984	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr22-207	6.469044	1.210594	0.938886	1.289394	0.197261	0.981636	chr22	20716175	20717967	+	0	NA	intron (N	AluY|SINE	15957	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AP	transmemb	pseudo
chr5-3907	6.469044	1.210594	0.938886	1.289394	0.197261	0.981636	chr5	39070148	39070389	+	0	NA	intron (N	AluYb8|SI	4131	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR ind	protein-coding
chr1-1225	12.45962	0.877721	0.680738	1.289367	0.197271	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1021017	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-973	7.853599	-1.09647	0.850621	-1.28902	0.19739	0.981636	chr13	97391946	97392373	+	0	NA	3’ UTR (N	3’ UTR (N	-42010	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr12-798	7.861457	-1.09795	0.851963	-1.28873	0.197493	0.981636	chr12	79811395	79811871	+	0	NA	intron (N	intron (N	102278	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr22-303	5.212876	1.357281	1.053538	1.288308	0.197639	0.981636	chr22	30381512	30383844	+	0	NA	intron (N	intron (N	4733	NM_001017	200312	Hs.592194	NM_001017	ENSG00000	RNF215	-	ring fing	protein-coding
chr4-6600	5.212876	1.357281	1.053538	1.288308	0.197639	0.981636	chr4	6600215	6600902	+	0	NA	intron (N	intron (N	25369	NM_015274	23324	Hs.188464	NM_015274	ENSG00000	MAN2B2	-	mannosida	protein-coding
chr7-4466	5.212876	1.357281	1.053538	1.288308	0.197639	0.981636	chr7	44667674	44668084	+	0	NA	intron (N	intron (N	61252	NM_001003	4967	Hs.488181	NM_002541	ENSG00000	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr9-9755	5.212876	1.357281	1.053538	1.288308	0.197639	0.981636	chr9	97553319	97553903	+	0	NA	intron (N	intron (N	51945	NM_003275	7111	Hs.404289	NM_003275	ENSG00000	TMOD1	D9S57E|ET	tropomodu	protein-coding
chr14-241	4.682821	-1.43077	1.111813	-1.28688	0.198136	0.981636	chr14	24103181	24104531	+	0	NA	exon (NM_	exon (NM_	-8726	NM_001354	4901	Hs.652297	NM_006177	ENSG00000	NRL	D14S46E|N	neural re	protein-coding
chr21-414	4.682821	-1.43077	1.111813	-1.28688	0.198136	0.981636	chr21	41452358	41452946	+	0	NA	exon (NM_	exon (NM_	20602	NM_001282	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr4-1139	4.682821	-1.43077	1.111813	-1.28688	0.198136	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	23449	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr6-1498	4.682821	-1.43077	1.111813	-1.28688	0.198136	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-33639	NR_045126	1.01E+08	Hs.642734	NR_045126	ENSG00000	RAET1E-AS	RAET1G-AS	RAET1E an	ncRNA
chr7-1280	4.682821	-1.43077	1.111813	-1.28688	0.198136	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJb|SIN	9398	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr13-496	7.845741	-1.09502	0.851671	-1.28573	0.198536	0.981636	chr13	49698351	49698571	+	0	NA	TTS (NM_0	TTS (NM_0	-6974	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr3-1841	7.845741	-1.09502	0.851671	-1.28573	0.198536	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-9127	NM_004423	1857	Hs.388116	NM_004423	ENSG00000	DVL3	DRS3	dishevell	protein-coding
chr12-123	7.666508	1.107556	0.861646	1.285395	0.198654	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx3|SI	9319	NM_001516	2967	Hs.355348	NM_001516	ENSG00000	GTF2H3	BTF2|P34|	general t	protein-coding
chr2-2720	7.666508	1.107556	0.861646	1.285395	0.198654	0.981636	chr2	27204097	27204478	+	0	NA	intron (N	intron (N	-7744	NM_080592	51374	Hs.9527	NM_016085	ENSG00000	ATRAID	APR--3|AP	all-trans	protein-coding
chr7-1487	7.666508	1.107556	0.861646	1.285395	0.198654	0.981636	chr7	1487561	1487876	+	0	NA	intron (N	intron (N	16671	NM_001080	26173	Hs.532188	NM_001080	ENSG00000	INTS1	INT1|NET2	integrato	protein-coding
chr1-2112	6.155205	-1.29111	1.004566	-1.28524	0.198709	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	3735	NM_018254	55758	Hs.356399	NM_018254	ENSG00000	RCOR3	-	REST core	protein-coding
chr11-180	6.58153	-1.21523	0.945736	-1.28495	0.198809	0.981636	chr11	18081287	18081558	+	0	NA	exon (NM_	exon (NM_	24660	NM_138421	113174	Hs.591998	NM_138421	ENSG00000	SAAL1	SPACIA1	serum amy	protein-coding
chr2-2014	7.879023	-1.08917	0.84768	-1.28488	0.198835	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1MA3|LIN	12689	NM_001206	55437	Hs.652338	NM_018571	ENSG00000	STRADB	ALS2CR2|C	STE20 rel	protein-coding
chr15-809	7.886881	-1.09062	0.849017	-1.28457	0.198944	0.981636	chr15	80920552	80922409	+	0	NA	intron (N	MIR|SINE|	68339	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr19-259	128.5296	0.389159	0.303144	1.283744	0.199232	0.981636	chr19	25916254	25916483	+	0	NA	Intergeni	ALR/Alpha	-1752921	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1481	9.485827	0.993522	0.774111	1.283435	0.19934	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	19240	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr17-296	7.65865	1.109911	0.864813	1.283411	0.199348	0.981636	chr17	29684013	29684488	+	0	NA	intron (N	AluSz|SIN	-62827	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr7-2350	7.828176	-1.10402	0.860333	-1.28325	0.199406	0.981636	chr7	23501425	23502172	+	0	NA	Intergeni	Intergeni	11410	NR_026676	256355	Hs.367935	NR_026676	ENSG00000	RPS2P32	RPS2_14_7	ribosomal	pseudo
chr16-749	6.427905	1.210748	0.943578	1.283145	0.199441	0.981636	chr16	74976927	74977145	+	0	NA	intron (N	L1M5|LINE	8087	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr11-650	7.836033	-1.10553	0.861691	-1.28298	0.199499	0.981636	chr11	65085677	65085876	+	0	NA	intron (N	intron (N	1554	NM_006782	7542	Hs.98170	NM_006782	ENSG00000	ZFPL1	D11S750|M	zinc fing	protein-coding
chr1-1226	24.38225	0.64758	0.504815	1.282806	0.19956	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1093494	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-112	8.938392	1.036557	0.808231	1.282501	0.199667	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-44810	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr3-1296	8.938392	1.036557	0.808231	1.282501	0.199667	0.981636	chr3	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	18087	NM_001349	23023	Hs.477547	NM_015008	ENSG00000	TMCC1	-	transmemb	protein-coding
chr12-296	4.674963	-1.42843	1.114055	-1.28219	0.199777	0.981636	chr12	29680817	29681367	+	0	NA	intron (N	AluSz|SIN	102850	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr12-955	4.674963	-1.42843	1.114055	-1.28219	0.199777	0.981636	chr12	95531577	95533782	+	0	NA	intron (N	intron (N	15559	NM_001278	84101	Hs.646421	NM_032147	ENSG00000	USP44	-	ubiquitin	protein-coding
chr3-1055	4.674963	-1.42843	1.114055	-1.28219	0.199777	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	207544	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr11-200	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chr11	20037167	20038149	+	0	NA	intron (N	L1ME3A|LI	11645	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-326	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chr11	32605877	32606181	+	0	NA	3’ UTR (N	3’ UTR (N	22198	NM_006360	10480	Hs.502244	NM_006360	ENSG00000	EIF3M	B5|GA17|F	eukaryoti	protein-coding
chr13-233	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chr13	23332897	23333875	+	0	NA	exon (NM_	exon (NM_	42122	NM_001278	26278	Hs.159492	NM_014363	ENSG00000	SACS	ARSACS|DN	sacsin mo	protein-coding
chr13-113	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	614	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr15-694	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chr15	69440955	69442193	+	0	NA	intron (N	L1MC4|LIN	-11244	NM_001003	6176	Hs.356502	NM_001003	ENSG00000	RPLP1	LP1|P1|RP	ribosomal	protein-coding
chrX-7131	4.641682	-1.43922	1.122508	-1.28214	0.199792	0.981636	chrX	71310361	71310715	+	0	NA	Intergeni	Intergeni	8788	NM_001303	26548	Hs.109999	NM_012278	ENSG00000	ITGB1BP2	CHORDC3|I	integrin	protein-coding
chr12-120	9.452546	0.991436	0.773401	1.281917	0.199872	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2624	NM_004373	1337	Hs.369624	NM_004373	ENSG00000	COX6A1	CMTRID|CO	cytochrom	protein-coding
chr17-306	9.452546	0.991436	0.773401	1.281917	0.199872	0.981636	chr17	30632095	30633137	+	0	NA	intron (N	intron (N	8298	NR_033420	6459	Hs.684860	NR_033420		SH3GL1P2	CNSA-P2|S	SH3 domai	pseudo
chr13-758	7.871165	-1.08771	0.848723	-1.28158	0.19999	0.981636	chr13	75804379	75806161	+	0	NA	intron (N	intron (N	44609	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr4-1288	7.871165	-1.08771	0.848723	-1.28158	0.19999	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	46124	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chrX-4650	7.871165	-1.08771	0.848723	-1.28158	0.19999	0.981636	chrX	46508718	46508994	+	0	NA	intron (N	L1PA3|LIN	36565	NM_001190	641339	Hs.636105	NM_001039	ENSG00000	ZNF674	MRX92|ZNF	zinc fing	protein-coding
chr12-357	7.733071	1.112274	0.868194	1.281135	0.200146	0.981636	chr12	357015	357241	+	0	NA	intron (N	AluJb|SIN	32192	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RB	lysine de	protein-coding
chr17-596	7.733071	1.112274	0.868194	1.281135	0.200146	0.981636	chr17	59604878	59605638	+	0	NA	intron (N	intron (N	-14431	NM_001288	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr2-1827	7.393992	-1.15607	0.902463	-1.28102	0.200188	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	HERVK22-i	48029	NR_073367	54431	Hs.516632	NM_018981	ENSG00000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr19-250	29.61741	0.610118	0.476308	1.280933	0.200217	0.981636	chr19	25087999	25088996	+	0	NA	Intergeni	ALR/Alpha	-925050	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-732	6.624519	-1.19536	0.933234	-1.28088	0.200235	0.981636	chr17	73243592	73243984	+	0	NA	intron (N	AluSx4|SI	11127	NR_110105	55028	Hs.12929	NM_017941	ENSG00000	C17orf80	HLC-8|MIG	chromosom	protein-coding
chr3-2744	6.624519	-1.19536	0.933234	-1.28088	0.200235	0.981636	chr3	27444986	27447606	+	0	NA	intron (N	intron (N	10482	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr5-1281	6.624519	-1.19536	0.933234	-1.28088	0.200235	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	58455	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr7-1062	6.624519	-1.19536	0.933234	-1.28088	0.200235	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	TTS (NM_0	TTS (NM_0	36695	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	111003501	nicotinam	protein-coding
chr8-3903	6.624519	-1.19536	0.933234	-1.28088	0.200235	0.981636	chr8	39033915	39034509	+	0	NA	intron (N	intron (N	-15527	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr9-3794	5.411155	-1.34898	1.053724	-1.2802	0.200475	0.981636	chr9	37941552	37941858	+	0	NA	intron (N	intron (N	-37352	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr22-309	9.076671	-1.01484	0.793063	-1.27965	0.200669	0.981636	chr22	30975175	30976300	+	0	NA	non-codin	non-codin	6526	NR_152867	55000	Hs.554829	NR_002323	ENSG00000	TUG1	LINC00080	taurine u	ncRNA
chr4-1234	9.076671	-1.01484	0.793063	-1.27965	0.200669	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4120	NM_005841	10252	Hs.744854	NM_005841	ENSG00000	SPRY1	hSPRY1	sprouty R	protein-coding
chr15-630	9.109953	-1.00987	0.789209	-1.27959	0.200689	0.981636	chr15	63046913	63047315	+	0	NA	non-codin	non-codin	-1375	NM_001365	7168	Hs.133892	NM_000366	ENSG00000	TPM1	C15orf13|	tropomyos	protein-coding
chr9-2713	9.109953	-1.00987	0.789209	-1.27959	0.200689	0.981636	chr9	27137946	27139052	+	0	NA	intron (N	LTR12|LTR	29358	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GE	TEK recep	protein-coding
chr10-484	3.931283	1.6027	1.252654	1.279443	0.200741	0.981636	chr10	48445633	48445888	+	0	NA	TTS (NR_1	TTS (NR_1	44148	NM_001278	5599	Hs.138211	NM_002750	ENSG00000	MAPK8	JNK|JNK-4	mitogen-a	protein-coding

chr3-138	7.837883	-1.09359	0.855143	-1.27883	0.200955	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (	L1PB1|LI	37165	NM_00117	199221	Hs.35140	NM_17354	ENSG0000	DZIP1L	DZIP2|PK	DAZ inte	protein-coding
chr5-496	215.915	0.339047	0.265125	1.278818	0.200961	0.981636	chr5	49630809	49632109	+	0	NA	Intergeni	ALR/Alph	809829	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-551	5.377873	-1.35844	1.062601	-1.27841	0.201105	0.981636	chr1	55160000	55160244	+	0	NA	intron (	intron (	55242	NM_01530	23358	Hs.47700	NM_01530	ENSG0000	USP24	-	ubiquiti	protein-coding
chr12-104	5.377873	-1.35844	1.062601	-1.27841	0.201105	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (	HAL1|LIN	26106	NM_01332	29915	Hs.50655	NM_01332	ENSG0000	HCFC2	HCF-2|HC	host cell	protein-coding
chr15-74	5.377873	-1.35844	1.062601	-1.27841	0.201105	0.981636	chr15	74638594	74638870	+	0	NA	intron (	L2c|LINE|	23738	NM_00113	1198	Hs.51179	NM_00129	ENSG0000	CLK3	PHCLK3|P	CDC like	protein-coding
chr3-131	5.377873	-1.35844	1.062601	-1.27841	0.201105	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (	intron (	16246	NM_01406	28990	Hs.10087	NM_01406	ENSG0000	ASTE1	HT001	asteroid	protein-coding
chr7-152	5.377873	-1.35844	1.062601	-1.27841	0.201105	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (	AluSz6|SI	141929	NM_17060	58508	Hs.64712	NM_02123	ENSG0000	KMT2C	HALR|KLE	lysine m	protein-coding
chr1-150	10.67358	0.939861	0.735669	1.277559	0.201405	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-29872	NM_001271	80222	Hs.28897	NM_02515	ENSG0000	TARS2	COXPD21|	threonyl-	protein-coding
chr9-999	10.67358	0.939861	0.735669	1.277559	0.201405	0.981636	chr9	99952192	99952546	+	0	NA	intron (	L1PA3|LI	45715	NM_01791	55014	Hs.704031	NM_01791	ENSG0000	STX17	-	syntaxin	protein-coding
chr21-41	5.171736	1.357816	1.062875	1.277493	0.201428	0.981636	chr21	41809882	41810448	+	0	NA	non-codi	non-codi	-43113	NM_02063	54101	Hs.51731	NM_02063	ENSG0000	RIPK4	ANKK2|AN	receptor	protein-coding
chr16-167	9.444688	0.993344	0.777749	1.277203	0.201531	0.981636	chr16	1670773	1671020	+	0	NA	intron (	intron (	-7383	NM_14457	90861	Hs.513261	NM_14457	ENSG0000	JPT2	C16orf34|	Jupiter	protein-coding
chr12-10	6.443621	1.204961	0.943546	1.277056	0.201583	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (	MIRb|SIN	22319	NM_01643	51228	Hs.38125	NM_01643	ENSG0000	GLTP	-	glycolipi	protein-coding
chr17-60	6.443621	1.204961	0.943546	1.277056	0.201583	0.981636	chr17	60690000	60691272	+	0	NA	intron (	L1MB2|LI	12785	NM_00132	54828	Hs.65502	NM_01767	ENSG0000	BCAS3	GAOB1|MA	BCAS3 mi	protein-coding
chr19-16	6.443621	1.204961	0.943546	1.277056	0.201583	0.981636	chr19	1622032	1622231	+	0	NA	exon (NM_	exon (NM_	-16669	NM_00683	10975	Hs.8372	NM_00683	ENSG0000	UQCR11	0710008D	ubiquinol	protein-coding
chr7-152	14.52841	-0.80815	0.633091	-1.27651	0.201774	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	173153	NM_001371474								
chr3-526	9.051247	-1.02125	0.800287	-1.27611	0.201918	0.981636	chr3	52626259	52626657	+	0	NA	intron (	intron (	59141	NM_00135	55193	Hs.18992	NM_01816	ENSG0000	PBRM1	BAF180|P	polybrom	protein-coding
chr19-13	13.58978	-0.85888	0.673267	-1.27569	0.202066	0.981636	chr19	13836372	13836687	+	0	NA	promoter-	promoter-	-12	NR_029501	407018		NR_029501	ENSG0000	MIR27A	MIR27|MI	microRNA	ncRNA
chr1-8857	6.657801	-1.18815	0.93159	-1.2754	0.202166	0.981636	chr1	8857258	8857789	+	0	NA	Intergeni	MER5B|DN	9067	NR_10678	1.02E+08		NR_10678	ENSG0000	MIR6728	hsa-mir-	microRNA	ncRNA
chr10-40	27.92521	0.622803	0.488365	1.275283	0.202209	0.981636	chr10	40924037	40925101	+	0	NA	Intergeni	ALR/Alph	1443476	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr19-55	5.947033	1.305323	1.02376	1.275029	0.202299	0.981636	chr19	55287631	55287878	+	0	NA	intron (	intron (	3757	NM_03243	84446	Hs.182081	NM_03243	ENSG0000	BRSK1	hSAD1	BR serin	protein-coding
chr7-529	6.502326	1.213175	0.95163	1.274838	0.202367	0.981636	chr7	5293633	5294663	+	0	NA	intron (	AluJr|SI	11205	NM_00104	222962	Hs.4302	NM_153247	ENSG0000	SLC29A4	ENT4|PMA	solute c	protein-coding
chr12-13	7.863307	-1.08622	0.852179	-1.27464	0.202436	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3’ UTR (	3’ UTR (	11259	NM_00117	192111	Hs.10255	NM_13857	ENSG0000	PGAM5	BXLBV68	PGAM fami	protein-coding
chr17-47	7.863307	-1.08622	0.852179	-1.27464	0.202436	0.981636	chr17	47623882	47625012	+	0	NA	Intergeni	AluSx|SI	-25472	NM_00226	3837	Hs.53279	NM_00226	ENSG0000	KPNB1	IMB1|IPO1	karyophe	protein-coding
chr17-774	8.689636	-1.06106	0.832983	-1.27381	0.202731	0.981636	chr17	77488255	77488609	+	0	NA	intron (	intron (	13189	NM_00111	10801	Hs.44093	NM_00664	ENSG0000	SEPTIN9	AF17q25|	septin 9	protein-coding
chr1-2057	9.493685	0.991636	0.778784	1.273314	0.202907	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	15258	NM_173854	254428	Hs.20274	NM_173854	ENSG0000	SLC41A1	MgtE	solute c	protein-coding
chr1-351	7.81246	-1.10117	0.864925	-1.27314	0.20297	0.981636	chr1	35106854	35107082	+	0	NA	intron (	AluY|SIN	27583	NM_02477	79830	Hs.47124	NM_02477	ENSG0000	ZMYM1	MYM	zinc fin	protein-coding
chr20-49	7.902597	-1.09355	0.859001	-1.27305	0.203001	0.981636	chr20	49963143	49963439	+	0	NA	Intergeni	AluY|SIN	-19689	NM_00598	6615	Hs.48029	NM_00598	ENSG0000	SNAI1	SLUGH2|S	snail fa	protein-coding
chr5-967	4.667105	-1.42598	1.121325	-1.27169	0.203484	0.981636	chr5	96792940	96793937	+	0	NA	exon (NM_	exon (NM_	14507	NM_00104	51752	Hs.666524	NM_01644	ENSG0000	ERAP1	A-LAP|AL	endoplas	protein-coding
chr8-1407	4.667105	-1.42598	1.121325	-1.27169	0.203484	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	AluSz6|SI	-42749	NR_02989	442893		NR_02989	ENSG0000	MIR151A	MIR151|MI	microRNA	ncRNA
chr5-361	7.327429	-1.16942	0.919674	-1.27156	0.203531	0.981636	chr5	36160321	36160595	+	0	NA	intron (	L2c|LINE|	8347	NM_032637	6502	Hs.23348	NM_00598	ENSG0000	SKP2	FBL1|FBX	S-phase	protein-coding
chr1-395	7.650792	1.112275	0.874905	1.27131	0.203618	0.981636	chr1	39531557	39531907	+	0	NA	intron (	intron (	16866	NR_13296	192217	Hs.472491	NR_13296	ENSG0000	OXCT2P1	OXCT2P	3-oxoaci	pseudo
chrX-714	5.189302	1.368411	1.076498	1.271169	0.203668	0.981636	chrX	71401994	71402534	+	0	NA	intron (	AluSz6|SI	35907	NR_104387	6872	Hs.15856	NM_00460	ENSG0000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr22-19	5.187452	1.350351	1.062462	1.270964	0.203741	0.981636	chr22	19916875	19917392	+	0	NA	intron (	L1M4|LIN	15420	NM_00135	10587	Hs.44343	NM_00644	ENSG0000	TXNRD2	GCCD5|SE	thioredo	protein-coding
chr21-34	7.912304	-1.08325	0.85246	-1.27074	0.203822	0.981636	chr21	34886445	34886966	+	0	NA	intron (	CpG	1994	NM_001001	861	Hs.149261	NM_001754	ENSG0000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr1-1717	11.19559	0.905328	0.712828	1.270051	0.204067	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	33023	NR_033704	8674	Hs.6651	NM_00376	ENSG0000	VAMP4	VAMP-4|V	vesicle	protein-coding
chr1-8511	4.504142	1.433575	1.128766	1.270037	0.204071	0.981636	chr1	85113587	85115070	+	0	NA	intron (	L1ME1|LI	-19466	NR_03961	1.01E+08		NR_03961	ENSG0000	MIR4423	mir-4423	microRNA	ncRNA
chr10-314	6.591238	-1.20268	0.947035	-1.26994	0.204107	0.981636	chr10	31495827	31496618	+	0	NA	intron (	intron (	-96467	NM_00136	1.01E+08	Hs.730227	NM_001368169		LOC10050	-	putative	protein-coding
chr2-2047	6.591238	-1.20268	0.947035	-1.26994	0.204107	0.981636	chr2	2.05E+08	2.05E+08	+	0	NA	intron (	MER61E|L	218782	NM_00130	117583	Hs.65738	NM_057177	ENSG0000	PARD3B	ALS2CR19|	par-3 fa	protein-coding
chr8-1007	6.591238	-1.20268	0.947035	-1.26994	0.204107	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	1803	NM_00256	26986	Hs.387804	NM_00256	ENSG0000	PABPC1	PAB1|PAB	poly(A)	protein-coding
chr19-491	6.410339	1.2022	0.94724	1.26916	0.204384	0.981636	chr19	49165448	49166202	+	0	NA	intron (	intron (	8033	NM_01763	54795	Hs.467101	NM_01763	ENSG0000	TRPM4	LTrpC4|P	transient	protein-coding
chr8-949	9.468262	0.987644	0.77823	1.269091	0.204409	0.981636	chr8	94932124	94941324	+	0	NA	intron (	MER21-int	12654	NM_00113	94241	Hs.492261	NM_03328	ENSG0000	TP53INP1	SIP|TP53	tumor pr	protein-coding
chr11-66	7.641084	1.102644	0.869228	1.268533	0.204608	0.981636	chr11	66238920	66239126	+	0	NA	intron (	intron (	-18271	NM_001134	64837	Hs.28079	NM_02282	ENSG0000	KLC2	-	kinesin	protein-coding
chr17-57	7.641084	1.102644	0.869228	1.268533	0.204608	0.981636	chr17	57300557	57300801	+	0	NA	intron (	THE1B|LT	43660	NM_170721	124540	Hs.65892	NM_13896	ENSG0000	MSI2	MSI2H	musashi	protein-coding
chr22-29	7.641084	1.102644	0.869228	1.268533	0.204608	0.981636	chr22	29678271	29678490	+	0	NA	intron (	intron (	-41623	NM_182527	164633	Hs.64360	NM_182527	ENSG0000	CABP7	CALN2	calcium	protein-coding
chr15-68	8.280506	1.057039	0.833682	1.267917	0.204828	0.981636	chr15	68092311	68092810	+	0	NA	intron (	MLT1A0|L	37984	NM_00132	8554	Hs.16245	NM_01616	ENSG0000	PIAS1	DDXBP1|G	protein i	protein-coding
chr5-179	8.280506	1.057039	0.833682	1.267917	0.204828	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	3’ UTR (	3’ UTR (	22548	NM_014594	30832	Hs.27232	NM_014594	ENSG0000	ZNF354C	KID3	zinc fin	protein-coding
chr3-157	9.094237	-1.00726	0.794822	-1.26728	0.205056	0.981636	chr3	15733172	15733385	+	0	NA	intron (	intron (	23269	NM_00119	23243	Hs.33523	NM_01519	ENSG0000	ANKRD28	PITK|PPP1	ankyrin	protein-coding
chr1-538	6.476902	1.207519	0.953019	1.267046	0.205139	0.981636	chr1	53854263	53855136	+	0	NA	intron (	intron (	-16403	NM_00116	55706	Hs.47652	NM_018087	ENSG0000	NDC1	NET3|TME	NDC1 tra	protein-coding
chr2-740	6.476902	1.207519	0.953019	1.267046	0.205139	0.981636	chr2	74093695	74093897	+	0	NA	intron (	intron (	54116	NM_21255	388962	Hs.61472	NM_21255	ENSG0000	BOLA3	MMDS2	bolA fami	protein-coding
chr3-532	6.476902	1.207519	0.953019	1.267046	0.205139	0.981636	chr3	53254078	53255216	+	0	NA	intron (	intron (	1375	NM_001064	7086	Hs.89643	NM_001064	ENSG0000	TKT	HEL-S-48|	transket	protein-coding
chr8-431	4.512	1.429331	1.128389	1.2667	0.205263	0.981636	chr8	43181432	43182245	+	0	NA	intron (	intron (	41374	NM_15241	138050	Hs.600384	NM_15241	ENSG0000	HGSNAT	HGNAT|MP	heparan-	protein-coding
chr1-1017	7.633226	1.105016	0.872432	1.266594	0.205301	0.981636	chr1	10179349	10180111	+	0	NA	intron (	intron (	-30840	NM_18341	23095	Hs.97858	NM_015074	ENSG0000	KIF1B	CMT2|CMT	kinesin	protein-coding
chr17-29	7.633226	1.105016	0.872432	1.266594	0.205301	0.981636	chr17	29696742	29696941	+	0	NA	intron (	AluY|SIN	64591	NM_00128	85464	Hs.654754	NM_03338	ENSG0000	SSH2	SSH-2|SS	slingshot	protein-coding
chr4-540	6.616661	-1.19357	0.9425	-1.26638	0.205376	0.981636	chr4	54006355	54006692	+	0	NA	Intergeni	AluSx1|SI	-19241	NR_02715	402176	Hs.45294	NM_001011538		RPL21P44	RPL21_17_	ribosomal	pseudo
chr16-58	6.402481	1.205062	0.951762	1.266137	0.205464	0.981636	chr16	58504194	58504700	+	0	NA	intron (	intron (	4304	NM_00124	65009	Hs.32243	NM_02046	ENSG0000	NDRG4	BDM1|SMA	NDRG fami	protein-coding
chr15-41	4.633824	-1.43691	1.1352	-1.26578	0.205591	0.981636	chr15	41365455	41366301	+	0	NA	intron (	AluSc8|SI	32997	NM_01635	51203	Hs.61509	NM_01635	ENSG0000	NUSAP1	ANKT|BM0	nucleola	protein-coding
chr3-996	4.633824	-1.43691	1.1352	-1.26578	0.205591	0.981636	chr3	99693496	99693695	+	0	NA	intron (	Tigger3b|	55001	NM_020351	1295	Hs.65454	NM_00185	ENSG0000	COL8A1	C3orf7	collagen	protein-coding
chr1-205	8.229659	1.047973	0.827938	1.265762	0.205598	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	1847	NM_17740	338382	Hs.53461	NM_17740	ENSG0000	RAB7B	RAB7	RAB7B, m	protein-coding
chr3-158	8.229659	1.047973	0.827938	1.265762	0.205598	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (	intron (	19821	NM_02273	64747	Hs.58663	NM_02273	ENSG0000	MFSD1	SMAP4	major fa	protein-coding
chr1-1081	6.649943	-1.1863	0.937592	-1.26527	0.205776	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (	L1MB4|LI	50648	NM_213651	29957	Hs.65687	NM_01338	ENSG0000	SLC25A24	APC1|SCA	solute c	protein-coding
chr10-86	6.649943	-1.1863	0.937592	-1.26527	0.205776	0.981636	chr10	86875932	86876322	+	0	NA	intron (	intron (	-79632	NM_00133	6623	Hs.34947	NM_003087	ENSG0000	SNCG	BCSG1|SR	synuclei	protein-coding
chr3-757	9.731254	1.035891	0.818887	1.264999	0.205872	0.981636	chr3	75729076	75729446	+	0	NA	TTS (NM_	TTS (NM_	-9019	NR_03623	1E+08		NR_03623	ENSG0000	MIR4273	-	microRNA	ncRNA
chr11-631	3.930914	-1.53688	1.2152	-1.26472	0.205973	0.981636	chr11	6318569	6319288	+	0	NA	TTS (NM_1	TTS (NM_1	1573	NM_14504	112464	Hs.434044	NM_14504	ENSG0000	CAVIN3	HSRBC|PR	caveolae	protein-coding
chr15-43	3.930914	-1.53688	1.2152	-1.26472	0.205973	0.981636	chr15	43865396	43866618	+	0	NA	intron (	intron (	12164	NR_003571	728758	Hs.65809	NR_003571		PIN4P1	-	peptidyl	pseudo
chr19-21	3.930914	-1.53688	1.2152	-1.26472	0.205973	0.981636	chr19	21319472	21320071	+	0	NA	intron (	L1PA8|LI	9639	NM_02126	7562	Hs.46629	NM_02126	ENSG0000	ZNF708	KOX8|ZNF1	zinc fin	protein-coding
chr1-1241	35.20542	0.569447	0.450468	1.264122	0.206186	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2648738	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr7-817	7.855449	-1.08471	0.858142	-1.26402	0.206223	0.981636	chr7	81727194	81730697	+	0	NA	intron (	intron (	-37539	NR_12602	1E+08	Hs.571267	NR_12602	ENSG0000	LOC10012	-	uncharact	ncRNA
chrX-4114	8.30593	1.06168	0.840244	1.263539	0.206396	0.981636	chrX	41149290	41149653	+	0	NA	intron (	intron (	64026	NM_00103	8239	Hs.77578	NM_00465	ENSG0000	USP9X	DFFRX|FA	ubiquiti	protein-coding
chr2-111	3.90549	-1.5528	1.229298	-1.26316	0.206532	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (	L1MD1|LI	53821	NM_02266	64682	Hs.436527	NM_02266	ENSG0000	ANAPC1	APC1|MCP	anaphase	protein-coding
chr7-307	3.90549	-1.5528	1.229298	-1.26316	0.206532	0.981636	chr7	30756080	30756706	+	0	NA	3’ UTR (	3’ UTR (	4258	NR_03759	1.01E+08	Hs.66019	NR_03759	ENSG0000	INMT-MIN	INMT-FAM1	INMT-MIN	ncRNA
chr19-25	22.93363	0.681733	0.53996	1.262564	0.206746	0.981636	chr19	25294346	25295878	+	0	NA	Intergeni	ALR/Alph	-1131665	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr9-357	8.196377	1.045649	0.828543	1.262034	0.206937	0.981636	chr9	35739878	35740204	+	0	NA	exon (NM_	exon (NM_	7119	NR_10691	1.02E+08		NR_10691	ENSG0000	MIR6853	hsa-mir-	microRNA	ncRNA
chrX-411	8.196377	1.045649	0.828543	1.262034	0.206937	0.981636	chrX	41134961	41135562	+	0	NA	intron (	intron (	49816	NM_00103	8239	Hs.77578	NM_00465	ENSG0000	USP9X	DFFRX|FA	ubiquiti	protein-coding
chr10-73	5.896185	-1.23776	0.980847	-1.26193	0.206975	0.981636	chr10	73871212	73871646	+	0	NA	intron (	intron (	3126	NM_001367	818	Hs.52304	NM_00122	ENSG0000	CAMK2G	CAMK|CAM	calcium/	protein-coding
chr18-48	5.896185	-1.23776	0.980847	-1.26193	0.206975	0.981636	chr18	48687034	48687581	+	0	NA	intron (	(AC)n|Si	16707	NR_039897	1.01E+08		NR_039897	ENSG0000	MIR4743	-	microRNA	ncRNA
chr15-84	12.90536	0.84168	0.667153	1.2616	0.207093	0.981636	chr15	84619984	84623012	+	0	NA	exon (NM_	exon (NM_	-9962	NR_003654	54581	Hs.658114	NM_022050		SCAND2P	SCAND2	SCAN dom	pseudo
chrX-7784	6.565814	-1.21213	0.961384	-1.26082	0.207374	0.981636	chrX	77847171	77847400	+	0	NA	intron (	L1P1|LIN	48150	NM_001367	84061	Hs.32356	NM_032121	ENSG0000	MAGT1	IAP|MRX9	magnesiu	protein-coding
chr6-8224	7.888731	-1.07879	0.85564	-1.2608	0.20738	0.981636	chr6	82243010	82243728	+	0	NA	intron (	Tigger7|	4375	NM_00130	25998	Hs.30642	NM_01552	ENSG0000	IBTK	BTBD26|B	inhibito	protein-coding
chr8-144	7.888731	-1.07879	0.85564	-1.2608	0.20738	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	TTS (NR_	TTS (NR_	-3633	NR_026974	286103	Hs.35997	NM_00103	ENSG0000	ZNF252P-	C8orf77	ZNF252P	ncRNA
chr3-5017	7.01648	1.136232	0.901397	1.260523	0.207481	0.981636	chr3	50174345	50174544	+	0	NA	intron (	MIRb|SIN	15425	NM_00131	6405	Hs.32981	NM_00418	ENSG0000	SEMA3F	SEMA-IV|	semaphori	protein-coding
chr18-66	5.888327	-1.23587	0.980783	-1.26008	0.207639	0.981636	chr18	662232	665141	+	0	NA	intron (	L1PA3|LI	-5395	NM_00101	494514	Hs.27495	NM_001012716		TYMSOS	C18orf56	TYMS opp	protein-coding
chr5-1394	5.888327	-1.23587	0.980783	-1.26008	0.207639	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (	AluSx1|SI	2287	NM_19828	340061	Hs.37975	NM_19828	ENSG0000	TMEM173	ERIS|MIT	transmem	protein-coding
chr6-127	5.888327	-1.23587	0.980783	-1.26008	0.207639	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	-51885	NM_001164	387357	Hs.66175	NM_00101	ENSG0000	THEMIS	C6orf190|	thymocyt	protein-coding
chr7-101	5.888327	-1.23587	0.980783	-1.26008	0.207639	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	3’ UTR (	3’ UTR (	6098	NM_030961	81844	Hs.52109	NM_030961	ENSG0000	TRIM56	RNF109	tripartit	protein-coding
chr8-1754	5.888327	-1.23587	0.980783	-1.26008	0.207639	0.981636	chr8	17548176	17552536	+	0	NA	exon (NM_	exon (NM_	11579	NM_00304	6542	Hs.44852	NM_00304	ENSG0000	SLC7A2	ATRC2|CA	solute c	protein-coding
chr1-153	6.418197	1.199187	0.95173	1.260008	0.207666	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (	intron (	59184	NR_12656	343052	Hs.51653	NR_12656	ENSG0000	LOC34305	-	immunogl	pseudo
chr6-480	6.418197	1.199187	0.95173	1.260008	0.207666	0.981636	chr6	48097948	48098250	+	0	NA	Intergeni	Intergeni	-29410	NM_20749	442213	Hs.65940	NM_20749	ENSG0000	PTCHD4	C6orf138|	patched	protein-coding
chr19-414	4.486577	1.421652	1.128657	1.259596	0.207815	0.981636	chr19	41414762	41416206	+	0	NA	intron (	intron (	13246	NM_19854	374907	Hs.441681	NM_19854	ENSG0000	B3GNT8	B3GALT7|	UDP-GlcN	protein-coding
chr20-56	4.486577	1.421652	1.128657	1.259596	0.207815	0.981636	chr20	5606561	5607074	+	0	NA	intron (	intron (	4189	NM_01959	56261	Hs.63635	NM_01959	ENSG0000	GPCPD1	EDI3|GDE	glycerop	protein-coding
chr3-171	4.486577	1.421652	1.128657	1.259596	0.207815	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (	MLT1L|LT	-152127	NR_027767	23043	Hs.34024	NM_01502	ENSG0000	TNIK	MRT54	TRAF2 an	protein-coding
chr5-1514	4.486577	1.421652	1.128657	1.259596	0.207815	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3’ UTR (	3’ UTR (	32300	NR_10675	1.02E+08		NR_10675	ENSG0000	MIR6499	hsa-mir-	microRNA	ncRNA
chr5-737	5.904043	-1.23967	0.984292	-1.25946	0.207865	0.981636	chr5	73795635	73796250	+	0	NA	intron (	intron (	-17604	NM_001244	64283	Hs.482521	NM_00108	ENSG0000	ARHGEF28	RGNEF|RI	Rho guani	protein-coding
chr6-5964	75.65861	0.448979	0.356493	1.259434	0.207874	0.981636	chr6	59640061	59640293	+	0	NA	Intergeni	ALR/Alph	-1678731	NR_132994	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long int	ncRNA
chr8-140	6.991056	1.130974	0.898066	1.259345	0.207906	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	17485	NM_00135	5747	Hs.39548	NM_005607	ENSG0000	PTK2	FADK|FAK|	protein t	protein-coding
chr11-13	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (	MIRc|SIN	20663	NM_007037	11095	Hs.27160	NM_007037	ENSG0000	ADAMTS8	ADAM-TS8|	ADAM met	protein-coding
chr12-141	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr12	1419121	1419683	+	0	NA	intron (	intron (	-81089	NR_02841	1E+08	Hs.39169	NR_02841	ENSG0000	LINC0094	-	long int	ncRNA
chr12-28	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr12	2862881	2866052	+	0	NA	exon (NM_	exon (NM_	-7427	NM_00136	1.02E+08	Hs.63462	NM_00136	ENSG0000	TEX52	-	testis e	protein-coding
chr12-78	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr12	78005180	78005783	+	0	NA	intron (	MER5A1|D	174587	NM_01490	89795	Hs.655301	NM_01490	ENSG0000	NAV3	POMFIL1|	neuron n	protein-coding
chr13-601	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr13	60115164	60116269	+	0	NA	intron (	Tigger2b_	-28982	NR_04654	1.01E+08	Hs.66218	NR_04654	ENSG0000	DIAPH3-A	DIPAH3-A	DIAPH3 a	ncRNA
chr14-92	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr14	92617029	92618059	+	0	NA	intron (	MER57-int	41310	NM_00131	79890	Hs.32682	NM_02483	ENSG0000	RIN3	-	Ras and	protein-coding
chr2-177	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr2	17721730	17723041	+	0	NA	intron (	L2b|LINE|	31425	NM_00114	79677	Hs.52672	NM_024624	ENSG0000	SMC6	SMC-6|SM	structur	protein-coding
chr2-137	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr2	1.38E+08	1.38E+08	+	0	NA	intron (	intron (	7493	NM_001024	3176	Hs.42151	NM_00689	ENSG0000	HNMT	HMT|HNMT-	histamin	protein-coding
chr8-254	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr8	25461748	25462993	+	0	NA	intron (	AluSx1|SI	3137	NM_15256	157313	Hs.33366	NM_15256	ENSG0000	CDCA2	PPP1R81|	cell divi	protein-coding
chr8-424	3.923056	-1.53418	1.218329	-1.25925	0.207941	0.981636	chr8	42469513	42471218	+	0	NA	intron (	AluJo|SI	30866	NM_001257	6575	Hs.65317	NM_00674	ENSG0000	SLC20A2	GLVR-2|G	solute c	protein-coding
chr11-644	8.204235	1.043467	0.828655	1.25923	0.207947	0.981636	chr11	6448898	6451913	+	0	NA	intron (	L2b|LINE|	-9418	NM_00061	3263	Hs.42648	NM_00061	ENSG0000	HPX	HX	hemopexi	protein-coding
chr18-84	5.15417	1.34712	1.069867	1.259147	0.207977	0.981636	chr18	8403751	8404060	+	0	NA	intron (	L1MB7|LI	-36871	NR_02441	1E+08	Hs.66665	NR_02441	ENSG0000	LOC10019	-	uncharact	ncRNA
chr19-17	6.587538	-1.23287	0.979488	-1.25869	0.208144	0.981636	chr19	17322916	17323115	+	0	NA	TTS (NM_	TTS (NM_	11840	NM_02095	57719	Hs.59099	NM_02095	ENSG0000	ANO8	KIAA1623|	anoctami	protein-coding
chr19-151	5.220734	1.353142	1.075629	1.258	0.208392	0.981636	chr19	15176354	15177040	+	0	NA	intron (	AluJb|SI	2653	NR_10685	1.02E+08		NR_10685	ENSG0000	MIR6795	hsa-mir-	microRNA	ncRNA
chr2-2004	5.870762	-1.24793	0.992085	-1.25789	0.208432	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	intron (	86369	NM_001321	130535	Hs.60577	NM_152387	ENSG0000	KCTD18	6530404F1	potassiu	protein-coding
chr5-830	5.870762	-1.24793	0.992085	-1.25789	0.208432	0.981636	chr5	83053390	83053813	+	0	NA	3’ UTR (	3’ UTR (	10736	NR_00313	677765	Hs.69328	NR_00313	ENSG0000	SCARNA18	SCARNA18	small Ca	ncRNA
chr6-1697	5.870762	-1.24793	0.992085	-1.25789	0.208432	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (	intron (	8574	NM_001317	387263	Hs.59137	NM_00102	ENSG0000	C6orf120	-	chromoso	protein-coding
chr19-144	8.288364	1.05488	0.83957	1.256453	0.208952	0.981636	chr19	14454994	14455501	+	0	NA	intron (	intron (	14970	NM_21356	5585	Hs.466044	NM_002741	ENSG0000	PKN1	DBK|PAK-1	protein k	protein-coding
chr2-936	6.998914	1.12838	0.898102	1.256404	0.208969	0.981636	chr2	93639111	93639602	+	0	NA	Intergeni	ALR/Alph	569063	NR_14610	728034		NR_146105		BMS1P14	-	BMS1 pse	pseudo
chr7-742	8.188519	1.047849	0.834169	1.256159	0.209058	0.981636	chr7	74239787	74240004	+	0	NA	intron (	intron (	14504	NM_181471	5982	Hs.64706	NM_002914	ENSG0000	RFC2	RFC40	replicati	protein-coding
chr16-84	5.862904	-1.24602	0.992025	-1.25604	0.209102	0.981636	chr16	84314882	84315132	+	0	NA	intron (	MIRb|SIN	20129	NM_021197	58189	Hs.36688	NM_021197	ENSG0000	WFDC1	PS20	WAP four-	protein-coding
chr17-67	9.501543	0.989695	0.788367	1.255374	0.209343	0.981636	chr17	67234725	67235665	+	0	NA	intron (	intron (	-9581	NR_13639	1.02E+08	Hs.569824	NR_136398		LOC10192	-	uncharact	ncRNA
chr10-981	4.659247	-1.42338	1.134188	-1.25498	0.209487	0.981636	chr10	98171158	98171769	+	0	NA	intron (	intron (	36806	NM_13846	27291	Hs.41980	NM_01447	ENSG0000	R3HCC1L	C10orf28|	R3H domai	protein-coding
chr4-8347	4.659247	-1.42338	1.134188	-1.25498	0.209487	0.981636	chr4	83476126	83476483	+	0	NA	intron (	intron (	8796	NM_00134	84142	Hs.33477	NM_13907	ENSG0000	ABRAXAS1	ABRA1|CC	abraxas 1	protein-coding
chr19-11	6.451479	1.201772	0.957793	1.25473	0.209577	0.981636	chr19	1135760	1136230	+	0	NA	intron (	MLT1C|LT	-3774	NM_00110	22904	Hs.40870	NM_01496	ENSG0000	SBNO2	KIAA0963|	strawber	protein-coding
chr19-151	6.451479	1.201772	0.957793	1.25473	0.209577	0.981636	chr19	15171666	15172408	+	0	NA	intron (	AluSp|SI	7313	NR_10685	1.02E+08		NR_10685	ENSG0000	MIR6795	hsa-mir-	microRNA	ncRNA
chr2-1084	6.451479	1.201772	0.957793	1.25473	0.209577	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (	L1MA4A|L	15345	NR_02806	9648	Hs.43650	NM_18145	ENSG0000	GCC2	GCC185|R	GRIP and	protein-coding
chr20-36	6.451479	1.201772	0.957793	1.25473	0.209577	0.981636	chr20	36676992	36677334	+	0	NA	intron (	MER52C|L	-30967	NM_032214	84174	Hs.71357	NM_032214	ENSG0000	SLA2	C20orf15	Src like	protein-coding
chr17-39	5.768169	1.246327	0.993386	1.254626	0.209615	0.981636	chr17	39257898	39258672	+	0	NA	3’ UTR (	3’ UTR (	-32340	NM_19899	342667	Hs.14506	NM_19899	ENSG0000	STAC2	24b2|24b	SH3 and	protein-coding

chr3-4841	5.768169	1.246327	0.993386	1.254626	0.209615	0.981636	chr3	48411578	48412477	+	0	NA	intron (N	intron (N	17436	NM_002673	5364	Hs.476209	NM_002673	ENSG00000	PLXNB1	PLEXIN-B1	plexin B1	protein-coding
chr14-313	8.237517	1.045772	0.833789	1.25424	0.209755	0.981636	chr14	31307462	31307904	+	0	NA	intron (N	intron (N	-99890	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr1-2276	5.734887	1.243329	0.991421	1.254088	0.20981	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	36432	NR_036753	401983	Hs.681816	NR_036753		ZNF847P	gm127	zinc fing	pseudo
chr2-4268	6.965632	1.12576	0.897714	1.25403	0.209831	0.981636	chr2	42682719	42683597	+	0	NA	intron (N	intron (N	81103	NM_148962	165140	Hs.168439	NM_148962	ENSG00000	OXER1	GPCR|GPR1	oxoeicosa	protein-coding
chr4-3240	6.965632	1.12576	0.897714	1.25403	0.209831	0.981636	chr4	3240088	3240451	+	0	NA	3’ UTR (N	3’ UTR (N	-4100	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr5-1495	6.965632	1.12576	0.897714	1.25403	0.209831	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	L1ME2z|LI	9608	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr8-5183	6.965632	1.12576	0.897714	1.25403	0.209831	0.981636	chr8	51831102	51831319	+	0	NA	intron (N	AluSz|SIN	-21765	NM_144651	137902	Hs.444882	NM_144651	ENSG00000	PXDNL	PMR1|PRM1	peroxidas	protein-coding
chr20-266	64.62055	0.448571	0.357773	1.253786	0.20992	0.981636	chr20	26605426	26607869	+	0	NA	Intergeni	ALR/Alpha	-397414	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1125	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	TTS (NM_1	TTS (NM_1	32529	NM_024494	7482	Hs.258575	NM_004185	ENSG00000	WNT2B	WNT13	Wnt famil	protein-coding
chr10-145	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr10	14551100	14552394	+	0	NA	intron (N	intron (N	-3110	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr17-452	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr17	45281501	45282497	+	0	NA	intron (N	intron (N	-19905	NM_152343	124783	Hs.412719	NM_152343	ENSG00000	SPATA32	AEP2|C17c	spermatog	protein-coding
chr19-914	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr19	9142010	9142541	+	0	NA	intron (N	intron (N	1878	NR_102435	57693	Hs.465829	NM_020933	ENSG00000	ZNF317	-	zinc fing	protein-coding
chr2-8752	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr2	87526558	87527310	+	0	NA	Intergeni	Intergeni	56984	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr2-1731	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	87219	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr2-1999	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	-12129	NM_001369	79568	Hs.154494	NM_024520	ENSG00000	MAIP1	C2orf47	matrix AA	protein-coding
chr20-492	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr20	49267003	49268038	+	0	NA	intron (N	intron (N	10537	NM_021035	57169	Hs.371794	NM_021035	ENSG00000	ZNFX1	-	zinc fing	protein-coding
chr4-1192	5.880469	-1.23399	0.984257	-1.25373	0.20994	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	HAL1|LINE	9340	NM_001371396								
chr5-4913	11.21131	0.902138	0.720013	1.252947	0.210225	0.981636	chr5	49134512	49136221	+	0	NA	Intergeni	ALR/Alpha	1305922	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-124	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr11	12484936	12486262	+	0	NA	intron (N	L1MC3|LIN	108028	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr15-808	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr15	80802077	80804203	+	0	NA	intron (N	intron (N	23770	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYB	cell migr	protein-coding
chr19-126	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr19	12699211	12699744	+	0	NA	3’ UTR (N	3’ UTR (N	-2846	NM_032301	84261	Hs.515154	NM_032301	ENSG00000	FBXW9	Fbw9|MEC-	F-box anc	protein-coding
chr2-7454	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr2	74546958	74547986	+	0	NA	intron (N	L3|LINE|C	-1548	NM_001197	1796	Hs.103854	NM_001381	ENSG00000	DOK1	P62DOK|pp	docking p	protein-coding
chr3-1025	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr3	10252671	10252870	+	0	NA	intron (N	AluJo|SIN	4311	NM_014760	9797	Hs.475401	NM_014760	ENSG00000	TATDN2	-	TatD DNas	protein-coding
chr4-2677	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr4	26777407	26778034	+	0	NA	Intergeni	AluSz6|SI	82524	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr8-1220	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr8	12209487	12210892	+	0	NA	Intergeni	Intergeni	-16056	NR_148876	653333	Hs.458413	NM_001137	ENSG00000	FAM86B2	-	family wi	protein-coding
chr9-3312	5.921609	-1.22783	0.980526	-1.25222	0.210491	0.981636	chr9	33127081	33127522	+	0	NA	intron (N	intron (N	18609	NR_162131	1.13E+08		NR_162131		MIR12117	-	microRNA	ncRNA
chr1-1499	8.170954	1.04112	0.831681	1.251826	0.210633	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-2466	NM_005850	10262	Hs.516160	NM_005850	ENSG00000	SF3B4	AFD1|Hsh4	splicing	protein-coding
chr12-132	8.170954	1.04112	0.831681	1.251826	0.210633	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	16029	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr3-9880	8.170954	1.04112	0.831681	1.251826	0.210633	0.981636	chr3	98800689	98801240	+	0	NA	intron (N	intron (N	37657	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr19-578	7.740929	1.109612	0.88688	1.25114	0.210883	0.981636	chr19	57879690	57879889	+	0	NA	intron (N	L2|LINE|L	9248	NM_001144	730051	Hs.634143	NM_001144	ENSG00000	ZNF814	-	zinc fing	protein-coding
chr1-1550	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	8648	NM_001252	51043	Hs.729279	NM_001252	ENSG00000	ZBTB7B	CKROX|THP	zinc fing	protein-coding
chr1-1680	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	14623	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr13-983	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr13	98385392	98385771	+	0	NA	intron (N	intron (N	136544	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr16-476	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr16	47688973	47689473	+	0	NA	intron (N	intron (N	-169358	NR_110650	1.02E+08	Hs.589404	NR_110650	ENSG00000	LINC02133	-	long inte	ncRNA
chr18-209	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr18	20972945	20973621	+	0	NA	intron (N	L2a|LINE|	138530	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-200	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr19	20020764	20021540	+	0	NA	intron (N	MER30|DNA	18103	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr19-564	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr19	56445847	56446388	+	0	NA	intron (N	MER33|DNA	31228	NM_001321	63934	Hs.676605	NM_022103	ENSG00000	ZNF667	MIPU1	zinc fing	protein-coding
chr9-1162	6.97349	1.123167	0.89775	1.25109	0.210902	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	(GAAA)n|S	58946	NM_002581	5069	Hs.643599	NM_002581	ENSG00000	PAPPA	ASBABP2|D	pappalysi	protein-coding
chr1-1851	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1PA7|LIN	40672	NM_017673	54823	Hs.134183	NM_017673	ENSG00000	SWT1	C1orf26|H	SWT1 RNA	protein-coding
chr16-164	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr16	1643760	1645278	+	0	NA	intron (N	intron (N	29879	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-296	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr16	29684589	29685060	+	0	NA	intron (N	intron (N	5644	NR_134536	23475	Hs.513484	NM_014298	ENSG00000	QPRT	HEL-S-90n	quinolina	protein-coding
chr16-475	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr16	47590967	47591966	+	0	NA	intron (N	L2c|LINE|	130135	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr22-498	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr22	49866839	49867653	+	0	NA	intron (N	L1M4|LINE	13402	NM_014838	9889	Hs.475208	NM_014838	ENSG00000	ZBED4	-	zinc fing	protein-coding
chr4-8665	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr4	86650231	86651194	+	0	NA	intron (N	L1MA4|LIN	56397	NM_006264	5783	Hs.436142	NM_006264	ENSG00000	PTPN13	FAP-1|PNP	protein t	protein-coding
chr7-6433	5.742745	1.240117	0.991321	1.250974	0.210944	0.981636	chr7	64330804	64332128	+	0	NA	intron (N	L1M1|LINE	17505	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr3-1140	6.642085	-1.18434	0.946919	-1.25073	0.211032	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME3G|LI	19167	NM_024638	79691	Hs.477162	NM_024638	ENSG00000	QTRT2	QTRTD1	queuine t	protein-coding
chr9-1088	6.642085	-1.18434	0.946919	-1.25073	0.211032	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	Kanga11a|	12207	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr1-1738	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1PA6|LIN	6574	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr11-128	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	62318	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr12-462	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr12	46211975	46212489	+	0	NA	intron (N	intron (N	54284	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr12-962	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr12	96273138	96273387	+	0	NA	Intergeni	AluSx|SIN	17764	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-132	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSz6|SI	1857	NM_001256	7574	Hs.489608	NM_019591	ENSG00000	ZNF26	HEL-179|K	zinc fing	protein-coding
chr15-100	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	3308	NM_198243	140460	Hs.31845	NM_024708	ENSG00000	ASB7	-	ankyrin r	protein-coding
chr6-1498	5.913751	-1.22595	0.980461	-1.25038	0.211162	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx3|SI	-31199	NR_045126	1.01E+08	Hs.642734	NR_045126	ENSG00000	RAET1E-AS	RAET1G-AS	RAET1E ar	ncRNA
chr9-1090	6.548248	-1.22393	0.979216	-1.24991	0.211333	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME1|LIN	5404	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr6-1514	4.453295	1.418175	1.134664	1.249864	0.211349	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	L1ME4a|LI	23865	NM_017909	55005	Hs.486835	NM_017909	ENSG00000	RMND1	C6orf96|C	required	protein-coding
chr12-508	5.855046	-1.24419	0.995566	-1.24973	0.211398	0.981636	chr12	50802127	50802670	+	0	NA	intron (N	AluSq2|SI	38297	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr8-1055	5.855046	-1.24419	0.995566	-1.24973	0.211398	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	210806	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing	protein-coding
chr15-808	5.929467	-1.22968	0.984124	-1.24952	0.211474	0.981636	chr15	80846158	80848381	+	0	NA	intron (N	AluSz|SIN	-5196	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr16-847	8.178811	1.038923	0.831793	1.249016	0.211659	0.981636	chr16	84745269	84745805	+	0	NA	exon (NM_	exon (NM_	45537	NM_001272	9100	Hs.136778	NM_005153	ENSG00000	USP10	UBPO	ubiquitin	protein-coding
chr5-7006	8.178811	1.038923	0.831793	1.249016	0.211659	0.981636	chr5	70069786	70069985	+	0	NA	intron (N	AluSq|SIN	20362	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr18-922	10.39173	-0.93922	0.75207	-1.24885	0.211722	0.981636	chr18	9223128	9223333	+	0	NA	intron (N	AluSz|SIN	85667	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr20-269	15.40614	0.798916	0.639772	1.24875	0.211756	0.981636	chr20	26923043	26923567	+	0	NA	Intergeni	ALR/Alpha	-714072	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr2-9310	11.15261	0.896841	0.718251	1.248645	0.211795	0.981636	chr2	93100686	93100915	+	0	NA	Intergeni	ALR/Alpha	1107619	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr13-113	7.796744	-1.09846	0.879778	-1.24857	0.211823	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	U1|snRNA|	11732	NM_001014	55208	Hs.682987	NM_018185	ENSG00000	DCUN1D2	C13orf17	defective	protein-coding
chr1-1489	8.212093	1.041228	0.834516	1.247703	0.21214	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	TTS (NR_0	TTS (NR_0	3854	NR_037182	653513	Hs.632434	NR_037182		LOC653513	-	phosphodi	pseudo
chr1-1544	8.206085	1.05474	0.84545	1.247549	0.212196	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSz6|SI	-34149	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr21-450	3.915198	-1.53141	1.227693	-1.24739	0.212255	0.981636	chr21	45081914	45082715	+	0	NA	intron (N	Tigger5b|	7263	NM_001346	104	Hs.474018	NM_001112	ENSG00000	ADARB1	ADAR2|DRA	adenosine	protein-coding
chr4-1970	3.915198	-1.53141	1.227693	-1.24739	0.212255	0.981636	chr4	1970965	1971708	+	0	NA	intron (N	intron (N	-3300	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Caj	ncRNA
chr8-5394	3.915198	-1.53141	1.227693	-1.24739	0.212255	0.981636	chr8	53940525	53941422	+	0	NA	intron (N	intron (N	60101	NR_104578	8601	Hs.368733	NM_003702	ENSG00000	RGS20	RGSZ1|ZGA	regulator	protein-coding
chr16-649	9.168658	-0.99834	0.800402	-1.2473	0.212289	0.981636	chr16	64997935	64998134	+	0	NA	intron (N	intron (N	124029	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr7-4083	9.998131	0.944188	0.757017	1.247248	0.212307	0.981636	chr7	40839918	40840180	+	0	NA	intron (N	intron (N	139890	NR_110831	1.02E+08	Hs.639767	NR_110831	ENSG00000	LINC01450	-	long inte	ncRNA
chr6-6370	6.384915	1.196306	0.959246	1.247131	0.212349	0.981636	chr6	63702893	63703234	+	0	NA	intron (N	AluSz|SIN	56537	NM_015153	23469	Hs.348921	NM_015153	ENSG00000	PHF3	-	PHD finge	protein-coding
chr7-1032	7.92987	-1.07412	0.861401	-1.24695	0.212416	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	non-codir	non-codir	5828	NR_003561	349152	Hs.732579	NM_182634	ENSG00000	DPY19L2P2	-	DPY19L2 p	pseudo
chr12-104	9.053097	-1.01101	0.810951	-1.2467	0.212508	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSx|SIN	18119	NM_006166	4801	Hs.84928	NM_006166	ENSG00000	NFYB	CBF-A|CBF	nuclear t	protein-coding
chr7-1348	9.053097	-1.01101	0.810951	-1.2467	0.212508	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	39533	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr3-4875	9.385983	0.987244	0.791958	1.246586	0.212549	0.981636	chr3	48751281	48751820	+	0	NA	3’ UTR (N	3’ UTR (N	-34272	NM_001146	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr1-3643	4.461153	1.413889	1.134281	1.246506	0.212579	0.981636	chr1	36431238	36431846	+	0	NA	intron (N	L2|LINE|L	-12964	NR_145725	1.1E+08		NR_145725	ENSG00000	SNORA63C	-	small nuc	snoRNA
chr2-2215	6.957774	1.128404	0.905347	1.246378	0.212626	0.981636	chr2	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	8738	NM_001304	2043	Hs.371218	NM_004438	ENSG00000	EPHA4	EK8|HEK8|	EPH recep	protein-coding
chrX-1558	6.957774	1.128404	0.905347	1.246378	0.212626	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	MIRb|SINE	18558	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr1-1231	27.89008	0.618299	0.496193	1.246086	0.212733	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1628105	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1034	8.163096	1.0433	0.837338	1.245973	0.212774	0.981636	chr1	10343219	10343754	+	0	NA	intron (N	AluSq2|SI	44520	NR_125730	1.04E+08		NR_125730	ENSG00000	RNU6-2	U6-2	RNA, U6 s	snRNA
chr8-9901	7.779178	-1.10798	0.889294	-1.24591	0.212796	0.981636	chr8	99017534	99017839	+	0	NA	intron (N	AluSx|SIN	4420	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr1-2122	7.127115	-1.10769	0.889169	-1.24576	0.212852	0.981636	chr1	21222991	21223926	+	0	NA	intron (N	AluSz6|SI	-46561	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr3-1364	7.127115	-1.10769	0.889169	-1.24576	0.212852	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	201573	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr5-1283	7.127115	-1.10769	0.889169	-1.24576	0.212852	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	219935	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillin	protein-coding
chr12-121	5.709464	1.237124	0.993218	1.245571	0.212922	0.981636	chr12	12156795	12156994	+	0	NA	intron (N	intron (N	44942	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr17-718	5.709464	1.237124	0.993218	1.245571	0.212922	0.981636	chr17	7188848	7189442	+	0	NA	TTS (NR_1	TTS (NR_1	-9581	NM_001197	432	Hs.12056	NM_001671	ENSG00000	ASGR1	ASGPR|ASG	asialogly	protein-coding
chr19-257	9.939426	0.938332	0.753667	1.245022	0.213124	0.981636	chr19	25711233	25711466	+	0	NA	Intergeni	ALR/Alpha	-1547902	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-1843	9.939426	0.938332	0.753667	1.245022	0.213124	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	1932	NM_001278	5437	Hs.432574	NM_006232	ENSG00000	POLR2H	RPABC3|RP	RNA polym	protein-coding
chr5-4732	14.72283	0.796828	0.640112	1.244826	0.213196	0.981636	chr5	47325082	47326421	+	0	NA	Intergeni	ALR/Alpha	-1629371	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-4889	6.940209	1.120534	0.900354	1.244547	0.213298	0.981636	chr3	48891439	48891777	+	0	NA	intron (N	AluJb|SIN	7274	NM_000387	788	Hs.13845	NM_000387	ENSG00000	SLC25A20	CAC|CACT	solute ca	protein-coding
chr7-4575	7.101692	-1.11585	0.896649	-1.24447	0.213328	0.981636	chr7	45752758	45752957	+	0	NA	intron (N	L2b|LINE|	16161	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr6-4755	7.10955	-1.11749	0.898164	-1.2442	0.213426	0.981636	chr6	47556570	47556841	+	0	NA	intron (N	L1PA7|LIN	78916	NM_012120	23607	Hs.485518	NM_012120	ENSG00000	CD2AP	CMS	CD2 assoc	protein-coding
chr2-1332	5.905893	-1.22401	0.983935	-1.24399	0.213503	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-16317	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr3-1381	5.905893	-1.22401	0.983935	-1.24399	0.213503	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	1835	NM_001170	199221	Hs.351403	NM_173543	ENSG00000	DZIP1L	DZIP2|PKD	DAZ inter	protein-coding
chr6-3737	5.905893	-1.22401	0.983935	-1.24399	0.213503	0.981636	chr6	37378945	37379217	+	0	NA	intron (N	AluSx1|SI	25098	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr16-139	9.111803	-0.99946	0.803671	-1.24362	0.213639	0.981636	chr16	13937964	13938223	+	0	NA	intron (N	intron (N	17936	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr9-1133	5.727029	1.246662	1.002602	1.243426	0.213711	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-11947	NM_001304	81932	Hs.7739	NM_031219	ENSG00000	HDHD3	2810435D1	haloacid	protein-coding
chr11-748	5.872612	-1.23211	0.99127	-1.24296	0.213884	0.981636	chr11	74833245	74833502	+	0	NA	intron (N	intron (N	84524	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr5-7811	5.872612	-1.23211	0.99127	-1.24296	0.213884	0.981636	chr5	78118523	78118745	+	0	NA	intron (N	L1PA4|LIN	160387	NR_105013	1.02E+08	Hs.252895	NR_105012		LOC101929	-	uncharact	ncRNA
chr9-9205	5.872612	-1.23211	0.99127	-1.24296	0.213884	0.981636	chr9	92059791	92060046	+	0	NA	intron (N	L1MD1|LIN	55495	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr19-498	7.006772	1.125771	0.905818	1.242821	0.213934	0.981636	chr19	49855110	49855866	+	0	NA	TTS (NR_0	TTS (NR_0	897	NR_039904	1.01E+08		NR_039904	ENSG00000	MIR4749	mir-4749	microRNA	ncRNA
chr5-1730	7.006772	1.125771	0.905818	1.242821	0.213934	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	24878	NM_153607	153222	Hs.484195	NM_153607	ENSG00000	CREBRF	C5orf41|L	CREB3 reg	protein-coding
chr1-1199	9.596833	-0.9545	0.768118	-1.24265	0.213996	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-53372	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr22-428	9.596833	-0.9545	0.768118	-1.24265	0.213996	0.981636	chr22	42806938	42807516	+	0	NA	intron (N	intron (N	50046	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr1-2042	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-34467	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra	protein-coding
chr16-233	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr16	23397634	23398433	+	0	NA	intron (N	intron (N	55156	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr17-667	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr17	66735795	66736202	+	0	NA	intron (N	AluJb|SIN	-51074	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr19-122	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr19	12230171	12231437	+	0	NA	Intergeni	LTR19A|LT	35789	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr19-525	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr19	52504985	52505702	+	0	NA	intron (N	intron (N	-22313	NM_001321	388558	Hs.729294	NM_001039	ENSG00000	ZNF808	-	zinc fing	protein-coding
chr2-4630	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr2	46306984	46307553	+	0	NA	intron (N	intron (N	9861	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr9-1163	5.717322	1.233902	0.993117	1.242454	0.214069	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	8689	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr3-5841	7.715505	1.104659	0.889122	1.242415	0.214084	0.981636	chr3	58416796	58417003	+	0	NA	intron (N	AluSz|SIN	16933	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr1-1003	7.119257	-1.1061	0.890421	-1.24222	0.214156	0.981636	chr1	10038114	10038440	+	0	NA	intron (N	AluSp|SIN	5319	NM_001105	10277	Hs.593974	NM_006048	ENSG00000	UBE4B	E4|HDNB1|	ubiquitin	protein-coding
chr12-110	7.119257	-1.1061	0.890421	-1.24222	0.214156	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	2582	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr2-2311	7.119257	-1.1061	0.890421	-1.24222	0.214156	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-26226	NM_025139	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr3-1727	7.119257	-1.1061	0.890421	-1.24222	0.214156	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	19878	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr6-1824	7.119257	-1.1061	0.890421	-1.24222	0.214156	0.981636	chr6	18242912	18244072	+	0	NA	intron (N	intron (N	21038	NM_001134	7913	Hs.484813	NM_003472	ENSG00000	DEK	D6S231E	DEK proto	protein-coding
chr11-649	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr11	64901918	64902450	+	0	NA	TTS (NR_1	TTS (NR_1	271	NR_106807	1.02E+08		NR_106807	ENSG00000	MIR6749	hsa-mir-6	microRNA	ncRNA
chr11-778	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr11	77840619	77841615	+	0	NA	promoter-	promoter-	-21	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr17-275	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr17	27598256	27598895	+	0	NA	intron (N	intron (N	-32613	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr19-384	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr19	38407012	38407271	+	0	NA	intron (N	intron (N	4006	NM_001351	147965	Hs.355162	NM_174905	ENSG00000	FAM98C	-	family wi	protein-coding

chr3-1411	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr3	14112352	14113341	+	0	NA	3’ UTR (N	3’ UTR (N	12024	NM_001098	131474	Hs.517815	NM_144636	ENSG00000	CHCHD4	MIA40|TIM	coiled-cc	protein-coding
chr6-2643	6.948067	1.117926	0.90039	1.241602	0.214384	0.981636	chr6	26430379	26430790	+	0	NA	TTS (NR_0	TTS (NR_0	9193	NR_027795	54718	Hs.729655	NM_024018	ENSG00000	BTN2A3P	BTN2.3|BT	butyrophi	pseudo
chr5-1284	8.365903	-1.01983	0.821621	-1.24124	0.214518	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	130942	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillir	protein-coding
chr12-103	9.563551	-0.95918	0.772871	-1.24106	0.214583	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	TTS (NM_0	TTS (NM_0	23130	NM_003211	6996	Hs.584809	NM_003211	ENSG00000	TDG	hTDG	thymine D	protein-coding
chr5-4892	59.41868	0.45026	0.362862	1.240856	0.214659	0.981636	chr5	48929424	48930402	+	0	NA	Intergeni	ALR/Alpha	1511375	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-7510	7.117407	-1.11921	0.902499	-1.24012	0.21493	0.981636	chr6	75105487	75107064	+	0	NA	intron (N	intron (N	22507	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr6-1586	8.332622	-1.02528	0.826811	-1.24004	0.214961	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	4556	NM_001291	6993	Hs.445999	NM_006519	ENSG00000	DYNLT1	CW-1|TCTE	dynein li	protein-coding
chr6-3546	9.588975	-0.95328	0.768866	-1.23985	0.215032	0.981636	chr6	35468561	35473568	+	0	NA	TTS (NM_0	TTS (NM_0	556	NR_106961	1.02E+08		NR_106961	ENSG00000	MIR7111	hsa-mir-7	microRNA	ncRNA
chr6-4192	8.358045	-1.01844	0.821461	-1.23979	0.215053	0.981636	chr6	41924526	41924937	+	0	NA	intron (N	L2b|LINE|	3232	NM_004053	705	Hs.106880	NM_004053	ENSG00000	BYSL	BYSTIN|Er	bystin li	protein-coding
chr19-270	24.81644	0.626768	0.505571	1.239724	0.215078	0.981636	chr19	27008326	27009103	+	0	NA	Intergeni	ALR/Alpha	-784717	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-809	8.373761	-1.02123	0.824019	-1.23933	0.215224	0.981636	chr15	80924123	80926037	+	0	NA	intron (N	intron (N	64739	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr5-1322	8.373761	-1.02123	0.824019	-1.23933	0.215224	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	13689	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr17-296	9.947284	0.936547	0.755863	1.239043	0.21533	0.981636	chr17	29632044	29632644	+	0	NA	exon (NM_	exon (NM_	-10921	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr4-8474	5.847188	-1.24241	1.002867	-1.23886	0.215397	0.981636	chr4	84745839	84746038	+	0	NA	intron (N	intron (N	162811	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr1-1247	19.12583	0.692645	0.55947	1.238038	0.215702	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3187382	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-106	5.776027	1.243107	1.004408	1.237651	0.215846	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	16824	NM_001286	255394	Hs.696047	NM_152772	ENSG00000	TCP11L2	-	t-complex	protein-coding
chr2-4847	5.776027	1.243107	1.004408	1.237651	0.215846	0.981636	chr2	48478073	48478490	+	0	NA	intron (N	MLT1C|LTR	37512	NM_001193	129285	Hs.654619	NM_152994	ENSG00000	PPP1R21	CCDC128|K	protein p	protein-coding
chr16-283	8.186669	1.036636	0.837685	1.237502	0.215901	0.981636	chr16	28391588	28391862	+	0	NA	promoter-	promoter-	-674	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr7-7522	8.186669	1.036636	0.837685	1.237502	0.215901	0.981636	chr7	752242	752458	+	0	NA	intron (N	CpG	-24674	NM_001164	5575	Hs.520851	NM_002735	ENSG00000	PRKAR1B	PRKAR1	protein k	protein-coding
chr19-181	6.981348	1.12051	0.905469	1.237492	0.215904	0.981636	chr19	18127899	18129444	+	0	NA	intron (N	intron (N	-24492	NR_162071	5296	Hs.371344	NM_005027	ENSG00000	PIK3R2	MPPH|MPPH	phosphoir	protein-coding
chr19-188	6.981348	1.12051	0.905469	1.237492	0.215904	0.981636	chr19	18877024	18877255	+	0	NA	TTS (NM_0	TTS (NM_0	19019	NM_001492	2657	Hs.412355	NM_001492	ENSG00000	GDF1	CERS1|CHT	growth di	protein-coding
chr22-312	6.981348	1.12051	0.905469	1.237492	0.215904	0.981636	chr22	31267809	31269463	+	0	NA	intron (N	intron (N	20252	NM_016733	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr1-2357	6.932351	1.123142	0.908025	1.236907	0.216122	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-92454	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G proteir	protein-coding
chr3-1023	6.932351	1.123142	0.908025	1.236907	0.216122	0.981636	chr3	10239150	10239430	+	0	NA	intron (N	L2|LINE|L	-9169	NM_014760	9797	Hs.475401	NM_014760	ENSG00000	TATDN2	-	TatD DNas	protein-coding
chr9-1104	7.914154	-1.07101	0.865995	-1.23673	0.216186	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1ME3Cz|L	-86625	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr19-211	7.152539	-1.09966	0.889271	-1.23658	0.216241	0.981636	chr19	21185479	21186240	+	0	NA	3’ UTR (N	3’ UTR (N	43819	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr7-7411	8.270798	1.048069	0.847759	1.236282	0.216354	0.981636	chr7	74119684	74120517	+	0	NA	intron (N	MLT1D|LTR	26883	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr8-2546	3.171148	-1.6957	1.371769	-1.23614	0.216407	0.981636	chr8	25463936	25465963	+	0	NA	intron (N	intron (N	5716	NM_152562	157313	Hs.33366	NM_152562	ENSG00000	CDCA2	PPP1R81|F	cell divi	protein-coding
chr17-619	6.510184	1.209883	0.979003	1.235832	0.216521	0.981636	chr17	61920132	61920347	+	0	NA	intron (N	AluSq10|S	7743	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integratc	protein-coding
chr17-375	12.1174	-0.85702	0.693616	-1.23558	0.216613	0.981636	chr17	37557619	37557942	+	0	NA	intron (N	AluJr|SIN	51638	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr22-418	5.701606	1.240391	1.004445	1.234902	0.216867	0.981636	chr22	41877473	41878504	+	0	NA	exon (NM_	exon (NM_	-22956	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIF	microRNA	ncRNA
chr3-5155	5.701606	1.240391	1.004445	1.234902	0.216867	0.981636	chr3	51556559	51557008	+	0	NA	intron (N	AluSp|SIN	15194	NM_001322	23132	Hs.105399	NM_015106	ENSG00000	RAD54L2	ARIP4|HSF	RAD54 lik	protein-coding
chr1-8518	7.111399	-1.1045	0.894471	-1.23481	0.216902	0.981636	chr1	85186330	85186641	+	0	NA	intron (N	L1PA3|LIN	14531	NM_032184	84144	Hs.533853	NM_032184	ENSG00000	SYDE2	-	synapse c	protein-coding
chr11-281	7.111399	-1.1045	0.894471	-1.23481	0.216902	0.981636	chr11	28112308	28112591	+	0	NA	intron (N	intron (N	4061	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr5-3884	7.111399	-1.1045	0.894471	-1.23481	0.216902	0.981636	chr5	38848197	38849972	+	0	NA	intron (N	L1ME3G|LI	3072	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr2-7549	8.356195	-1.02962	0.8341	-1.23441	0.21705	0.981636	chr2	75492977	75493259	+	0	NA	3’ UTR (N	3’ UTR (N	-30950	NR_110281	1.02E+08	Hs.671110	NR_110281	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-134	5.750603	1.236833	1.002318	1.233972	0.217213	0.981636	chr19	13451545	13451944	+	0	NA	intron (N	MLT1J2|LT	54716	NM_001127	773	Hs.501632	NM_000068	ENSG00000	CACNA1A	APCA|BI|C	calcium v	protein-coding
chr19-166	5.750603	1.236833	1.002318	1.233972	0.217213	0.981636	chr19	16680519	16681135	+	0	NA	intron (N	intron (N	19688	NM_024074	79041	Hs.436068	NM_024074	ENSG00000	TMEM38A	TRIC-A|TF	transmemb	protein-coding
chr20-623	5.750603	1.236833	1.002318	1.233972	0.217213	0.981636	chr20	62327165	62328905	+	0	NA	intron (N	intron (N	4522	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr5-6941	10.43102	-0.94474	0.765851	-1.23359	0.217357	0.981636	chr5	69415090	69415355	+	0	NA	TTS (NM_0	TTS (NM_0	106	NM_001038	153562	Hs.657687	NM_144724	ENSG00000	MARVELD2	DFNB49|MA	MARVEL dc	protein-coding
chr1-1309	7.085976	-1.11271	0.902017	-1.23359	0.217358	0.981636	chr1	1309913	1310112	+	0	NA	intron (N	intron (N	1415	NM_153339	126789	Hs.400659	NM_153339	ENSG00000	PUSL1	-	pseudouri	protein-coding
chr12-108	7.085976	-1.11271	0.902017	-1.23359	0.217358	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	13146	NM_001276	23603	Hs.330384	NM_014325	ENSG00000	CORO1C	HCRNN4	coronin 1	protein-coding
chr12-111	8.245375	1.04347	0.846065	1.233322	0.217456	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-22059	NM_000690	217	Hs.604551	NM_000690	ENSG00000	ALDH2	ALDH-E2|A	aldehyde	protein-coding
chr1-7032	7.144681	-1.09804	0.890523	-1.23303	0.217564	0.981636	chr1	70322616	70322942	+	0	NA	intron (N	AluSp|SIN	31943	NM_030816	81573	Hs.744989	NM_030816	ENSG00000	ANKRD13C	dJ677H15.	ankyrin r	protein-coding
chr12-121	7.144681	-1.09804	0.890523	-1.23303	0.217564	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	30772	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr19-190	7.144681	-1.09804	0.890523	-1.23303	0.217564	0.981636	chr19	19022036	19022631	+	0	NA	intron (N	intron (N	11184	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr20-392	7.144681	-1.09804	0.890523	-1.23303	0.217564	0.981636	chr20	3921619	3921831	+	0	NA	intron (N	AluSz|SIN	-4162	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr10-404	17.71234	0.747912	0.606598	1.232962	0.21759	0.981636	chr10	40476615	40477209	+	0	NA	Intergeni	ALR/Alpha	1780316	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-875	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr10	87520816	87521279	+	0	NA	exon (NM_	exon (NM_	13214	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr18-701	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr18	70104566	70104779	+	0	NA	intron (N	L1PA8A|LI	101015	NM_001318	25914	Hs.654809	NM_173630	ENSG00000	RTTN	MSSP	rotatin	protein-coding
chr2-1896	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-5082	NM_144708	150709	Hs.60772	NM_144708	ENSG00000	ANKAR	-	ankyrin a	protein-coding
chr22-456	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr22	45690925	45691438	+	0	NA	intron (N	intron (N	19347	NM_013236	25814	Hs.475125	NM_013236	ENSG00000	ATXN10	E46L|HUME	ataxin 10	protein-coding
chr3-2835	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr3	28353066	28353354	+	0	NA	intron (N	Charlie2b	4061	NM_001324	152098	Hs.510635	NM_001040	ENSG00000	ZCWPW2	ZCW2	zinc fing	protein-coding
chr4-4784	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr4	47844267	47844481	+	0	NA	intron (N	intron (N	-6268	NM_001278	10699	Hs.518618	NM_006587	ENSG00000	CORIN	ATC2|CRN|	corin, se	protein-coding
chr6-1390	5.898035	-1.22199	0.991107	-1.23295	0.217594	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	8036	NM_021243	58527	Hs.600861	NM_021243	ENSG00000	ABRACL	C6orf115|	ABRA C-te	protein-coding
chr17-387	5.395439	-1.34371	1.08988	-1.2329	0.217614	0.981636	chr17	38732503	38732702	+	0	NA	intron (N	AluJb|SIN	2261	NM_001136	284106	Hs.713595	NM_001136	ENSG00000	CISD3	MiNT|Minc	CDGSH irc	protein-coding
chr19-110	8.391327	-1.01306	0.82196	-1.23249	0.217767	0.981636	chr19	1106456	1107265	+	0	NA	TTS (NM_0	TTS (NM_0	2210	NM_001039	2879	Hs.433951	NM_002085	ENSG00000	GPX4	GPx-4|GSF	glutathic	protein-coding
chr22-451	8.391327	-1.01306	0.82196	-1.23249	0.217767	0.981636	chr22	45181402	45182320	+	0	NA	intron (N	intron (N	9751	NR_146602	1.05E+08		NR_146602		LOC105373	-	uncharact	ncRNA
chr2-4260	8.734105	0.989799	0.803155	1.232388	0.217804	0.981636	chr2	42609149	42611194	+	0	NA	intron (N	intron (N	41539	NM_001330	57504	Hs.435413	NM_020744	ENSG00000	MTA3	-	metastasi	protein-coding
chr1-1231	88.70394	0.397403	0.322466	1.232387	0.217805	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1582434	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-6909	5.68404	1.230855	0.998832	1.232294	0.217839	0.981636	chr2	69097391	69097799	+	0	NA	intron (N	intron (N	-6087	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr6-1523	5.68404	1.230855	0.998832	1.232294	0.217839	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-70765	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr19-444	8.307198	-1.03243	0.838485	-1.2313	0.21821	0.981636	chr19	44489463	44489782	+	0	NA	intron (N	SVA_D|Ret	10900	NM_013256	7733	Hs.22305	NM_013256	ENSG00000	ZNF180	HHZ168	zinc fing	protein-coding
chr6-8004	3.20443	-1.67901	1.363804	-1.23112	0.218277	0.981636	chr6	80042035	80042789	+	0	NA	3’ UTR (N	3’ UTR (N	37763	NM_003318	7272	Hs.169840	NM_003318	ENSG00000	TTK	CT96|ESK|	TTK prote	protein-coding
chr9-3666	3.20443	-1.67901	1.363804	-1.23112	0.218277	0.981636	chr9	36661760	36662608	+	0	NA	intron (N	L1MEd|LIN	89289	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr15-711	8.383469	-1.01167	0.8218	-1.23104	0.218308	0.981636	chr15	71183114	71183313	+	0	NA	non-codir	non-codir	5846	NR_120351	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr5-1425	8.383469	-1.01167	0.8218	-1.23104	0.218308	0.981636	chr5	14252914	14253754	+	0	NA	intron (N	intron (N	109992	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr8-3349	8.383469	-1.01167	0.8218	-1.23104	0.218308	0.981636	chr8	33496037	33496772	+	0	NA	intron (N	intron (N	11222	NM_032509	84549	Hs.583805	NM_032509	ENSG00000	MAK16	MAK16L|RE	MAK16 hon	protein-coding
chr13-322	6.914785	1.115236	0.906101	1.230808	0.218395	0.981636	chr13	32270545	32271628	+	0	NA	intron (N	intron (N	40868	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr3-5276	8.399185	-1.01443	0.82436	-1.23056	0.218486	0.981636	chr3	52765586	52765879	+	0	NA	intron (N	intron (N	5208	NM_001348	6787	Hs.631921	NM_003157	ENSG00000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr15-752	8.820981	1.023127	0.831743	1.2301	0.21866	0.981636	chr15	75208455	75208664	+	0	NA	exon (NM_	exon (NM_	6677	NM_015492	56905	Hs.17936	NM_015492	ENSG00000	C15orf39	-	chromosom	protein-coding
chr1-2488	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	exon (NM_	exon (NM_	13332	NM_001322	80851	Hs.298573	NM_030645	ENSG00000	SH3BP5L	-	SH3 bindi	protein-coding
chr13-102	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	Intergeni	THE1C-int	-8604	NR_104590	93081	Hs.398111	NM_138779	ENSG00000	TEX30	C13orf27	testis ex	protein-coding
chr19-200	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr19	20014637	20015345	+	0	NA	intron (N	L1MB2|LIN	24264	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr2-3955	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr2	39559016	39560785	+	0	NA	intron (N	L1MA4A|LI	-105598	NM_001167	130733	Hs.40808	NM_152390	ENSG00000	TMEM178A	TMEM178	transmemb	protein-coding
chr2-6981	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr2	69810055	69811579	+	0	NA	intron (N	intron (N	-18843	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr22-191	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr22	19134291	19135374	+	0	NA	intron (N	intron (N	3524	NM_053006	23617	Hs.694070	NM_053006	ENSG00000	TSSK2	DGS-G|SPC	testis sp	protein-coding
chr7-6067	5.691898	1.227598	0.998885	1.228967	0.219084	0.981636	chr7	60671102	60671351	+	0	NA	Intergeni	ALR/Alpha	2632830	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr4-1465	3.90734	-1.52853	1.244305	-1.22842	0.21929	0.981636	chr4	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	19473	NM_001029	84068	Hs.659209	NM_032128	ENSG00000	SLC10A7	C4orf13|F	solute ca	protein-coding
chr11-340	5.947033	-1.21755	0.991173	-1.2284	0.219298	0.981636	chr11	34060360	34060859	+	0	NA	intron (N	intron (N	8878	NM_005898	4076	Hs.471818	NM_005898	ENSG00000	CAPRIN1	GPIAP1|GF	cell cycl	protein-coding
chr1-1539	6.955925	1.115208	0.908146	1.228004	0.219445	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	4612	NM_001367	9909	Hs.744878	NM_014856	ENSG00000	DENND4B	KIAA0476	DENN doma	protein-coding
chr2-9670	6.955925	1.115208	0.908146	1.228004	0.219445	0.981636	chr2	96706901	96707653	+	0	NA	exon (NM_	exon (NM_	32799	NM_001142	81562	Hs.655743	NM_030805	ENSG00000	LMAN2L	MRT52|VIF	lectin, m	protein-coding
chr2-2308	6.955925	1.115208	0.908146	1.228004	0.219445	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluY|SINE	-9824	NR_038238	151484	Hs.559309	NR_038238	ENSG00000	LOC151484	-	uncharact	ncRNA
chr17-632	6.922643	1.1126	0.906137	1.22785	0.219503	0.981636	chr17	63213953	63214856	+	0	NA	intron (N	intron (N	225863	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr5-8348	6.922643	1.1126	0.906137	1.22785	0.219503	0.981636	chr5	83484654	83484904	+	0	NA	intron (N	L2b|LINE|	13035	NM_004385	1462	Hs.643801	NM_004385	ENSG00000	VCAN	CSPG2|ERV	versican	protein-coding
chr9-1140	6.922643	1.1126	0.906137	1.22785	0.219503	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	53138	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr17-397	10.66388	0.932363	0.759533	1.227547	0.219617	0.981636	chr17	39724787	39725273	+	0	NA	intron (N	intron (N	-1465	NR_039881	1.01E+08		NR_039881	ENSG00000	MIR4728	-	microRNA	ncRNA
chr2-2104	4.435729	1.405912	1.145737	1.227081	0.219792	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	intron (N	LTR47B2|I	10144	NM_001136	10314	Hs.13351	NM_006055	ENSG00000	LANCL1	GPR69A|p4	LanC like	protein-coding
chr2-1741	6.949916	1.131222	0.921967	1.226966	0.219836	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSx3|SI	79456	NM_001328	29789	Hs.157351	NM_013341	ENSG00000	OLA1	DOC45|GBF	Obg like	protein-coding
chr2-1278	5.864754	-1.23019	1.002647	-1.22694	0.219845	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12952	NM_004805	5433	Hs.715348	NM_004805	ENSG00000	POLR2D	HSRBP4|HS	RNA polym	protein-coding
chr19-840	8.219951	1.038854	0.846813	1.226781	0.219905	0.981636	chr19	8403833	8404074	+	0	NA	3’ UTR (N	3’ UTR (N	-9350	NM_001005	51257	Hs.631861	NM_016496	ENSG00000	2-Mar	HSPC240|M	membrane	protein-coding
chr6-4322	8.219951	1.038854	0.846813	1.226781	0.219905	0.981636	chr6	43220543	43221015	+	0	NA	exon (NM_	exon (NM_	8702	NM_199184	10591	Hs.109752	NM_006443	ENSG00000	DNPH1	C6orf108|	2’-deoxyr	protein-coding
chr8-1180	8.342329	-1.01565	0.827913	-1.22676	0.219911	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	MER102b|D	51391	NM_000127	2131	Hs.492618	NM_000127	ENSG00000	EXT1	EXT|LGCR|	exostosir	protein-coding
chr17-646	8.375611	-1.01025	0.82388	-1.22621	0.220119	0.981636	chr17	64655028	64656399	+	0	NA	intron (N	AluSz|SIN	6594	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr4-1222	8.375611	-1.01025	0.82388	-1.22621	0.220119	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	59868	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr12-542	7.906296	-1.0693	0.872069	-1.22616	0.220138	0.981636	chr12	54255071	54255388	+	0	NA	intron (N	FLAM_C|SI	4316	NM_001127	23468	Hs.349283	NM_012117	ENSG00000	CBX5	HEL25|HP1	chromobox	protein-coding
chr2-1593	7.906296	-1.0693	0.872069	-1.22616	0.220138	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	AluY|SINE	-83891	NM_001330	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr1-6815	8.741963	0.987773	0.80581	1.225813	0.220269	0.981636	chr1	68155007	68155357	+	0	NA	exon (NM_	exon (NM_	28428	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr19-523	8.741963	0.987773	0.80581	1.225813	0.220269	0.981636	chr19	52353061	52363561	+	0	NA	intron (N	AluSc|SIN	-11612	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr15-808	5.954891	-1.21936	0.994831	-1.2257	0.220312	0.981636	chr15	80854752	80855590	+	0	NA	intron (N	AluJr|SIN	-13098	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr11-133	7.136823	-1.09638	0.894574	-1.22559	0.220352	0.981636	chr11	13391659	13391893	+	0	NA	intron (N	AluSc|SIN	48503	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GV	BTB domai	protein-coding
chr6-5684	7.136823	-1.09638	0.894574	-1.22559	0.220352	0.981636	chr6	568431	568733	+	0	NA	intron (N	MLT2B4|LT	88382	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr7-7351	7.136823	-1.09638	0.894574	-1.22559	0.220352	0.981636	chr7	73513257	73513601	+	0	NA	intron (N	intron (N	8864	NM_032408	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr12-122	5.72518	1.23053	1.004158	1.225436	0.220411	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-29088	NM_152759	254050	Hs.374856	NM_152759	ENSG00000	LRRC43	-	leucine r	protein-coding
chr19-746	5.72518	1.23053	1.004158	1.225436	0.220411	0.981636	chr19	7468791	7469171	+	0	NA	exon (NM_	exon (NM_	20054	NM_080662	92960	Hs.515100	NM_080662	ENSG00000	PEX11G	-	peroxisom	protein-coding
chr19-269	60.8049	0.438004	0.357486	1.225232	0.220488	0.981636	chr19	26967507	26967995	+	0	NA	Intergeni	ALR/Alpha	-825680	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-2127	8.79281	0.996483	0.813606	1.224774	0.22066	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	5184	NM_001042	128387	Hs.530538	NM_001042	ENSG00000	TATDN3	-	TatD DNas	protein-coding
chr1-9227	3.940621	-1.515	1.237954	-1.2238	0.221029	0.981636	chr1	92273411	92273993	+	0	NA	intron (N	AluJb|SIN	25285	NM_053274	11146	Hs.49105	NM_007070	ENSG00000	GLMN	FAP|FAP48	glomulin,	protein-coding
chr21-339	8.161246	1.031953	0.843394	1.223571	0.221114	0.981636	chr21	33904977	33905176	+	0	NA	intron (N	intron (N	10728	NM_001697	539	Hs.409140	NM_001697	ENSG00000	ATP5PO	ATP50|ATF	ATP synth	protein-coding
chr20-590	7.103541	-1.10288	0.901452	-1.22345	0.221159	0.981636	chr20	59025210	59025590	+	0	NA	TTS (NM_0	TTS (NM_0	6146	NM_030773	81027	Hs.303023	NM_030773	ENSG00000	TUBB1	-	tubulin b	protein-coding
chr3-4763	7.103541	-1.10288	0.901452	-1.22345	0.221159	0.981636	chr3	47632241	47632445	+	0	NA	intron (N	FLAM_C|SI	29351	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr19-164	5.83933	-1.24067	1.014273	-1.22322	0.221248	0.981636	chr19	16412952	16413199	+	0	NA	intron (N	intron (N	58895	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr3-1250	6.906927	1.117825	0.913844	1.223212	0.22125	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSc8|SI	-41286	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr8-1178	9.137226	-0.99275	0.811907	-1.22274	0.221428	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	49276	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr20-361	4.469011	1.409225	1.152712	1.22253	0.221507	0.981636	chr20	36194473	36195458	+	0	NA	intron (N	intron (N	-39205	NR_147703	1E+08	Hs.570339	NR_147703		LOC100130	-	uncharact	ncRNA
chr12-248	7.078118	-1.11119	0.909075	-1.22233	0.221582	0.981636	chr12	24814642	24814841	+	0	NA	3’ UTR (N	3’ UTR (N	87481	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr17-388	7.078118	-1.11119	0.909075	-1.22233	0.221582	0.981636	chr17	38872461	38873391	+	0	NA	intron (N	intron (N	2868	NM_006148	3927	Hs.741156	NM_006148	ENSG00000	LASP1	Lasp-1|MI	LIM and S	protein-coding
chr2-6526	7.078118	-1.11119	0.909075	-1.22233	0.221582	0.981636	chr2	65263922	65264270	+	0	NA	intron (N	intron (N	36401	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr1-3837	8.716539	0.983465	0.805296	1.221247	0.221992	0.981636	chr1	3837080	3838806	+	0	NA	intron (N	intron (N	19268	NM_014704	9731	Hs.133089	NM_014704	ENSG00000	CEP104	CFAP256|C	centrosom	protein-coding
chr1-1511	8.716539	0.983465	0.805296	1.221247	0.221992	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	promoter-	promoter-	-985	NM_013353	29765	Hs.709681	NM_013353	ENSG00000	TMOD4	SK-TMOD	tropomodu	protein-coding
chr16-293	8.716539	0.983465	0.805296	1.221247	0.221992	0.981636	chr16	2930024	2931645	+	0	NA	exon (NM_	exon (NM_	18855	NM_001308	84256	Hs.655321	NM_020912	ENSG00000	FLYWCH1	-	FLYWCH-ty	protein-coding
chr19-377	8.716539	0.983465	0.805296	1.221247	0.221992	0.981636	chr19	37737261	37740659	+	0	NA	exon (NM_	exon (NM_	-19199	NM_032689	84775	Hs.116622	NM_032689	ENSG00000	ZNF607	-	zinc fing	protein-coding
chr19-518	8.716539	0.983465	0.805296	1.221247	0.221992	0.981636	chr19	51872555	51873352	+	0	NA	exon (NM_	exon (NM_	14983	NM_001135	84765	Hs.723015	NM_032679	ENSG00000	ZNF577	-	zinc fing	protein-coding

chr17-197	11.72361	0.864689	0.70837	1.220675	0.222209	0.981636	chr17	19796132	19797296	+	0	NA	intron (	LTR22C0|L	-48416	NM_000691	218	Hs.531682	NM_000691	ENSG0000	ALDH3A1	ALDH3|AL	aldehyde	protein-coding
chr12-105	5.144278	-1.28624	1.053743	-1.22064	0.222224	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	30836	NM_001145	387882	Hs.368938	NM_207376	ENSG0000	C12orf75	AGD3|OCC-	chromosom	protein-coding
chr8-4241	5.144278	-1.28624	1.053743	-1.22064	0.222224	0.981636	chr8	42418391	42418740	+	0	NA	intron (	AluSz|SIN	26685	NM_005662	7419	Hs.699301	NM_005662	ENSG0000	VDAC3	HD-VDAC3|	voltage c	protein-coding
chr8-1234	5.144278	-1.28624	1.053743	-1.22064	0.222224	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	20622	NM_018024	55093	Hs.18029	NM_018024	ENSG0000	WDYHV1	C8orf32	WDYHV mot	protein-coding
chr21-29	5.931317	-1.21362	0.994648	-1.22015	0.222408	0.981636	chr21	29043974	29044726	+	0	NA	intron (	L1MC5|LIN	19682	NM_006447	10600	Hs.99819	NM_006447	ENSG0000	USP16	UBP-M|UB	ubiquitir	protein-coding
chr6-289	5.931317	-1.21362	0.994648	-1.22015	0.222408	0.981636	chr6	28908334	28908785	+	0	NA	intron (	intron (	12029	NR_104117	414760	Hs.211005	NR_104117	ENSG0000	HCG14	dJ111M5.4	HLA compl	ncRNA
chr8-5893	5.931317	-1.21362	0.994648	-1.22015	0.222408	0.981636	chr8	58938007	58938948	+	0	NA	intron (	L3|LINE|	180670	NM_014729	9760	Hs.491805	NM_014729	ENSG0000	TOX	TOX1	thymocyte	protein-coding
chr13-421	8.120106	1.031803	0.845694	1.220066	0.22244	0.981636	chr13	42159969	42160168	+	0	NA	exon (NM_	exon (NM_	22010	NM_001204	160851	Hs.63038	NM_15291	ENSG0000	DGKH	DGKeta	diacylgly	protein-coding
chr12-121	8.683257	0.981202	0.804367	1.219844	0.222524	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (	AluY|SINE	12003	NM_00108	144404	Hs.644504	NM_00108	ENSG0000	TMEM120B	-	transmemb	protein-coding
chr19-368	8.683257	0.981202	0.804367	1.219844	0.222524	0.981636	chr19	36876167	36878331	+	0	NA	exon (NM_	exon (NM_	25598	NM_001242	25850	Hs.362324	NM_003419	ENSG0000	ZNF345	HZF10	zinc fing	protein-coding
chr2-1311	8.683257	0.981202	0.804367	1.219844	0.222524	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (	HAL1b|LIN	23428	NM_001309	55041	Hs.469944	NM_017958	ENSG0000	PLEKHB2	EVT2	pleckstri	protein-coding
chr3-433	8.683257	0.981202	0.804367	1.219844	0.222524	0.981636	chr3	43303771	43304609	+	0	NA	intron (	intron (	17650	NM_017719	54861	Hs.476052	NM_017719	ENSG0000	SNRK	HSNFRK	SNF relat	protein-coding
chr1-1541	5.13642	-1.28409	1.05374	-1.2186	0.222995	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	promoter-	promoter-	-734	NM_001278	7170	Hs.535581	NM_152263	ENSG0000	TPM3	CAPM1|CF	tropomyos	protein-coding
chr4-7059	5.13642	-1.28409	1.05374	-1.2186	0.222995	0.981636	chr4	7059111	7059516	+	0	NA	3’ UTR (	3’ UTR (	8751	NM_025196	80273	Hs.443723	NM_025196	ENSG0000	GRPEL1	GrpE|HMG	GrpE like	protein-coding
chr18-318	5.169701	-1.27477	1.046208	-1.21847	0.223045	0.981636	chr18	31898006	31898500	+	0	NA	intron (	MER2|DNA|	44875	NM_014939	22878	Hs.202001	NM_014939	ENSG0000	TRAPPC8	GSG1|HsT	trafficki	protein-coding
chr7-8402	5.169701	-1.27477	1.046208	-1.21847	0.223045	0.981636	chr7	84024023	84024524	+	0	NA	intron (	AluSz6|SI	170516	NM_00608	10371	Hs.252451	NM_00608	ENSG0000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr5-1295	5.962749	-1.22109	1.002229	-1.21838	0.22308	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (	AluSc|SIN	-137202	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG0000	ADAMTS19-	-	ADAMTS19	ncRNA
chr1-2645	8.367753	-1.0088	0.828255	-1.21798	0.223233	0.981636	chr1	26453392	26454014	+	0	NA	intron (	AluJb|SIN	13834	NR_125953	1.02E+08	Hs.663256	NR_125952		LOC101928	-	uncharact	ncRNA
chr12-225	8.367753	-1.0088	0.828255	-1.21798	0.223233	0.981636	chr12	22531035	22532033	+	0	NA	intron (	intron (	12663	NM_001286	9847	Hs.271014	NM_014802	ENSG0000	C2CD5	CDP138|KI	C2 calciu	protein-coding
chr12-76	8.367753	-1.0088	0.828255	-1.21798	0.223233	0.981636	chr12	76073112	76073813	+	0	NA	intron (	intron (	11223	NM_001307	4673	Hs.524599	NM_004537	ENSG0000	NAP1L1	NAP1|NAP1	nucleosom	protein-coding
chr11-652	6.924493	1.125873	0.924726	1.21752	0.223406	0.981636	chr11	65282887	65283150	+	0	NA	intron (	AluJr4|SI	21056	NM_002689	23649	Hs.201897	NM_002689	ENSG0000	POLA2	-	DNA polym	protein-coding
chr16-223	6.924493	1.125873	0.924726	1.21752	0.223406	0.981636	chr16	22371134	22371550	+	0	NA	intron (	intron (	3277	NM_001802	1039	Hs.51343	NM_001802	ENSG0000	CDR2	CDR62|Yo	cerebella	protein-coding
chr18-542	5.890177	-1.21986	1.002323	-1.21704	0.22359	0.981636	chr18	54283204	54283751	+	0	NA	intron (	MIR|SINE|	13903	NM_001351	11201	Hs.438533	NM_007195	ENSG0000	POLI	RAD30B|R	DNA polym	protein-coding
chr19-101	5.161843	-1.27264	1.046202	-1.21644	0.223817	0.981636	chr19	10127739	10128547	+	0	NA	Intergeni	AluSz|SIN	-8244	NM_003755	8666	Hs.529059	NM_003755	ENSG0000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr3-1055	5.161843	-1.27264	1.046202	-1.21644	0.223817	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (	(AT)n|Sim	192314	NM_001627	214	Hs.591293	NM_001627	ENSG0000	ALCAM	CD166|ME	activatec	protein-coding
chr4-1727	5.161843	-1.27264	1.046202	-1.21644	0.223817	0.981636	chr4	1727905	1729190	+	0	NA	exon (NM_	exon (NM_	7026	NM_006342	10460	Hs.104019	NM_006342	ENSG0000	TACC3	ERIC-1|E	transform	protein-coding
chr7-1211	5.161843	-1.27264	1.046202	-1.21644	0.223817	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (	intron (	-157955	NM_016087	51384	Hs.272375	NM_016087	ENSG0000	WNT16	-	Wnt famil	protein-coding
chr9-1677	5.161843	-1.27264	1.046202	-1.21644	0.223817	0.981636	chr9	16775541	16776125	+	0	NA	intron (	intron (	49019	NR_151723	1.11E+08	Hs.609218	NR_151723	ENSG0000	BNC2-AS1	-	BNC2 anti	ncRNA
chr19-507	7.50336	1.053994	0.866459	1.216438	0.223818	0.981636	chr19	5078508	5079548	+	0	NA	intron (	intron (	109915	NM_00137	23030	Hs.654816	NM_015015	ENSG0000	KDM4B	JMJD2B|T	lysine de	protein-coding
chr3-5674	7.528784	1.058997	0.87103	1.215798	0.224062	0.981636	chr3	56749086	56750490	+	0	NA	intron (	intron (	25929	NM_001128	50650	Hs.476402	NM_019555	ENSG0000	ARHGEF3	GEF3|STA	Rho guani	protein-coding
chr1-1682	3.734854	1.504004	1.237169	1.215682	0.224106	0.981636	chr1	1682612	1683551	+	0	NA	intron (	AluSx1|SI	9714	NM_00111	728661	Hs.655255	NM_00111	ENSG0000	SLC35E2B	SLC35E2	solute ca	protein-coding
chr7-6071	3.734854	1.504004	1.237169	1.215682	0.224106	0.981636	chr7	60712859	60713751	+	0	NA	Intergeni	ALR/Alpha	2590751	NR_003952	643955	Hs.583308	NR_003952	ENSG0000	ZNF733P	ZNF733	zinc fing	pseudo
chr2-9721	8.309048	-1.02122	0.840138	-1.21554	0.224159	0.981636	chr2	97219642	97219841	+	0	NA	intron (	AluSp|SIN	-58976	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr17-404	10.45173	0.894378	0.735813	1.215496	0.224177	0.981636	chr17	40443944	40457865	+	0	NA	intron (	intron (	7454	NM_001552	3487	Hs.462998	NM_001552	ENSG0000	IGFBP4	BP-4|HT29	insulin l	protein-coding
chr5-2747	10.45173	0.894378	0.735813	1.215496	0.224177	0.981636	chr5	27473395	27479165	+	0	NA	intron (	MER61-int	3988	NR_038848	643401	Hs.533212	NR_038848	ENSG0000	PURPL	LINC01021	p53 upreg	ncRNA
chr6-7516	9.663396	-0.94507	0.777714	-1.21519	0.224293	0.981636	chr6	75163156	75164257	+	0	NA	intron (	intron (	-34924	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr6-1082	8.334471	-1.01424	0.834686	-1.21511	0.224324	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (	L1PA8|LIN	15806	NM_00130	8724	Hs.12102	NM_003795	ENSG0000	SNX3	Grd19|MC	sorting r	protein-coding
chr6-1444	8.334471	-1.01424	0.834686	-1.21511	0.224324	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	L1PA11|LI	56455	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr17-824	6.930501	1.109805	0.913965	1.214275	0.224643	0.981636	chr17	82485425	82486630	+	0	NA	intron (	intron (	27286	NM_012336	26502	Hs.256526	NM_012336	ENSG0000	NARF	IOP2	nuclear	protein-coding
chr17-619	8.408893	-1.00474	0.827862	-1.21365	0.224881	0.981636	chr17	61993882	61994099	+	0	NA	intron (	intron (	-66008	NM_00133	57508	Hs.279646	NM_020748	ENSG0000	INTS2	INT2|KIA	integratc	protein-coding
chr19-412	8.408893	-1.00474	0.827862	-1.21365	0.224881	0.981636	chr19	41224327	41225297	+	0	NA	intron (	intron (	-1943	NM_001278	558	Hs.59097	NM_001699	ENSG0000	AXL	ARK|JTK11	AXL recep	protein-coding
chr6-1573	42.86589	0.495293	0.4082	1.213359	0.224993	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (	intron (	13170	NM_018452	729515	Hs.157212	NM_018452	ENSG0000	TMEM242	BM033|C6c	transmemb	protein-coding
chr11-665	8.691115	0.979139	0.80703	1.213263	0.225029	0.981636	chr11	66537335	66537565	+	0	NA	3’ UTR (	3’ UTR (	8598	NM_20734	254359	Hs.209587	NM_20734	ENSG0000	ZDHHC24	-	zinc fing	protein-coding
chr17-480	8.691115	0.979139	0.80703	1.213263	0.225029	0.981636	chr17	48056509	48058156	+	0	NA	intron (	intron (	8973	NM_003204	4779	Hs.514284	NM_003204	ENSG0000	NFE2L1	LCR-F1|N	nuclear f	protein-coding
chr6-1596	8.691115	0.979139	0.80703	1.213263	0.225029	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	3’ UTR (	3’ UTR (	1251	NM_001024	6648	Hs.487046	NM_000636	ENSG0000	SOD2	IPO-B|IP	superoxic	protein-coding
chr7-1398	8.691115	0.979139	0.80703	1.213263	0.225029	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (	intron (	43440	NM_001366	6916	Hs.520757	NM_001061	ENSG0000	TBXAS1	BDPLT14|	thromboxa	protein-coding
chr16-307	7.477936	1.049052	0.864673	1.213236	0.22504	0.981636	chr16	30756199	30757289	+	0	NA	TTS (NM_	TTS (NM_	-4868	NM_001207	9810	Hs.65238	NM_014771	ENSG0000	RNF40	BRE1B|RB	ring fing	protein-coding
chr18-797	7.477936	1.049052	0.864673	1.213236	0.22504	0.981636	chr18	79717515	79717908	+	0	NA	intron (	intron (	36281	NM_001202	9150	Hs.46549	NM_004715	ENSG0000	CTDP1	CCFDN|FC	CTD phosp	protein-coding
chr4-8884	7.477936	1.049052	0.864673	1.213236	0.22504	0.981636	chr4	88850	89231	+	0	NA	TTS (NM_1	TTS (NM_1	-35436	NR_110529	255403	Hs.636638	NM_001039	ENSG0000	ZNF718	-	zinc fing	protein-coding
chr7-2774	7.477936	1.049052	0.864673	1.213236	0.22504	0.981636	chr7	27749343	27749813	+	0	NA	intron (	Tigger15a	9483	NM_001079	8887	Hs.34576	NM_006024	ENSG0000	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr2-2004	7.170105	-1.08975	0.898268	-1.21317	0.225066	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	intron (	69543	NM_001321	130535	Hs.605775	NM_152387	ENSG0000	KCTD18	6530404F1	potassium	protein-coding
chr14-357	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr14	35753204	35753403	+	0	NA	intron (	L1MC4|LIN	9628	NR_13562	1.07E+08	Hs.742611	NR_135620		SNORA101	ZL4	small nuc	snoRNA
chr16-178	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr16	1786495	1786925	+	0	NA	intron (	CpG	3750	NR_104318	10101	Hs.256549	NM_012225	ENSG0000	NUBP2	CFD1|CIA	nucleotic	protein-coding
chr16-161	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr16	16169141	16169610	+	0	NA	intron (	intron (	54096	NM_001079	368	Hs.442182	NM_001171	ENSG0000	ABCC6	ABC34|AR	ATP bindi	protein-coding
chr22-303	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr22	30301626	30302221	+	0	NA	intron (	intron (	-12296	NM_001037	652968	Hs.44495	NM_001037	ENSG0000	CASTOR1	GATSL3	cytosolic	protein-coding
chr7-7557	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr7	75572570	75573548	+	0	NA	intron (	MER52C|LT	-44936	NR_028059	5387	Hs.659871	NM_005395	ENSG0000	PMS2P3	PMS2L3|P	PMS1 homc	pseudo
chr8-1448	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	exon (NM_	exon (NM_	8869	NM_001317	340385	Hs.521942	NM_213605	ENSG0000	ZNF517	-	zinc fing	protein-coding
chr9-1298	5.699756	1.224117	1.010039	1.21195	0.225532	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	-3605	NR_106914	1.02E+08		NR_106914	ENSG0000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr2-2328	6.989206	1.117667	0.922217	1.211934	0.225537	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	-29069	NM_001346	389084	Hs.657509	NM_206895	ENSG0000	SNORC	ASCL830|	secondary	protein-coding
chr10-125	5.128562	-1.282	1.058068	-1.21165	0.225648	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	8444	NM_001321	1488	Hs.501345	NM_001329	ENSG0000	CTBP2	-	C-termina	protein-coding
chr3-1414	5.128562	-1.282	1.058068	-1.21165	0.225648	0.981636	chr3	14140422	14140802	+	0	NA	intron (	MIRb|SINE	15672	NM_024334	79188	Hs.517817	NM_024334	ENSG0000	TMEM43	ARVC5|AR	transmemb	protein-coding
chr3-256	5.128562	-1.282	1.058068	-1.21165	0.225648	0.981636	chr3	25603426	25604096	+	0	NA	intron (	LTR16C|LT	60611	NM_001068	7155	Hs.475733	NM_001068	ENSG0000	TOP2B	TOPIIB|t	DNA topoi	protein-coding
chr5-3851	5.128562	-1.282	1.058068	-1.21165	0.225648	0.981636	chr5	38511783	38512317	+	0	NA	intron (	intron (	44596	NM_001127	3977	Hs.133421	NM_00231	ENSG0000	LIFR	CD118|LI	LIF recep	protein-coding
chr7-1549	5.128562	-1.282	1.058068	-1.21165	0.225648	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	intron (	L2c|LINE|	9813	NM_007349	22976	Hs.443881	NM_007349	ENSG0000	PAXIP1	CAGF28|C	PAX inter	protein-coding
chr18-625	7.470078	1.051455	0.867859	1.211549	0.225685	0.981636	chr18	62570492	62570852	+	0	NA	intron (	L1M4|LINE	47647	NR_126534	54877	Hs.114191	NM_017742	ENSG0000	ZCCHC2	C18orf49	zinc fing	protein-coding
chr3-1057	7.470078	1.051455	0.867859	1.211549	0.225685	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (	THE1B-int	105145	NM_001321	868	Hs.430589	NM_170662	ENSG0000	CBLB	Cbl-b|Nb1	Cbl protc	protein-coding
chr11-465	8.749821	0.985712	0.813753	1.211316	0.225774	0.981636	chr11	46507994	46508376	+	0	NA	intron (	intron (	-56296	NR_036117	1E+08		NR_036117	ENSG0000	MIR3160-1	mir-3160-	microRNA	ncRNA
chr3-1979	8.749821	0.985712	0.813753	1.211316	0.225774	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (	intron (	20402	NR_026786	89782	Hs.51854	NM_033029	ENSG0000	LMLN	GP63|INV|	leishmanc	protein-coding
chr20-266	64.62259	0.428144	0.353527	1.211065	0.22587	0.981636	chr20	26601748	26602778	+	0	NA	Intergeni	ALR/Alpha	-393030	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr1-1565	3.188714	-1.6721	1.380965	-1.21082	0.225965	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (	intron (	8246	NM_178229	128239	Hs.591495	NM_178229	ENSG0000	IQGAP3	-	IQ motif	protein-coding
chr6-8003	3.188714	-1.6721	1.380965	-1.21082	0.225965	0.981636	chr6	80035345	80037313	+	0	NA	intron (	MIR|SINE|	31680	NM_003318	7272	Hs.16984	NM_003318	ENSG0000	TTK	CT96|ESK|	TTK prote	protein-coding
chr8-589	3.188714	-1.6721	1.380965	-1.21082	0.225965	0.981636	chr8	58905518	58906353	+	0	NA	intron (	intron (	213212	NM_014729	9760	Hs.491805	NM_014729	ENSG0000	TOX	TOX1	thymocyte	protein-coding
chr9-1163	5.666474	1.22112	1.008952	1.210285	0.22617	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (	intron (	14538	NR_103711	493913	Hs.728832	NR_103711	ENSG0000	PAPPA-AS1	DIPAS|NC	PAPPA ant	ncRNA
chr1-113	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	8163	NM_001312	9860	Hs.448972	NM_014813	ENSG0000	LRIG2	LIG-2|LI	leucine	protein-coding
chr12-965	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr12	9658138	9658483	+	0	NA	non-codi	non-codi	10263	NR_046445	374443	Hs.569124	NR_002814	ENSG0000	LOC374443	-	C-type le	pseudo
chr13-452	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr13	45267533	45268539	+	0	NA	intron (	intron (	-66991	NM_198404	386618	Hs.23406	NM_198404	ENSG0000	KCTD4	bA321C24.	potassium	protein-coding
chr15-559	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr15	55905609	55906548	+	0	NA	intron (	L1PA5|LIN	11053	NM_001284	4734	Hs.1565	NM_006154	ENSG0000	NEDD4	NEDD4-1|	NEDD4 E3	protein-coding
chr2-2147	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (	L1PA7|LIN	25909	NM_001282	580	Hs.591642	NM_000465	ENSG0000	BARD1	-	BRCA1 ass	protein-coding
chr2-2225	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (	L1ME4c|LI	55909	NR_130154	10056	Hs.471452	NM_005687	ENSG0000	FARSB	FARSLB|F	phenylala	protein-coding
chr6-1093	5.153986	-1.27048	1.050468	-1.20945	0.226492	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	Intergeni	Intergeni	19002	NM_001346	8763	Hs.520313	NM_006016	ENSG0000	CD164	DFNA66|M	CD164 mol	protein-coding
chr6-9655	5.923459	-1.21145	1.001944	-1.2091	0.226625	0.981636	chr6	96555848	96556090	+	0	NA	TTS (NM_	TTS (NM_	-6556	NM_020482	9457	Hs.632608	NM_020482	ENSG0000	FHL5	1700027G	four and	protein-coding
chr3-114	11.67277	0.857952	0.710161	1.20811	0.227005	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	50716	NR_148531	57577	Hs.477159	NM_020817	ENSG0000	CCDC191	KIAA1407	coiled-c	protein-coding
chr10-176	7.095684	-1.10123	0.911605	-1.20801	0.227042	0.981636	chr10	17662450	17662661	+	0	NA	intron (	intron (	18404	NM_001324	8027	Hs.335391	NM_003473	ENSG0000	STAM	STAM-1|S	signal tr	protein-coding
chr9-6824	7.07026	-1.10968	0.919331	-1.20705	0.227412	0.981636	chr9	68248120	68248369	+	0	NA	TTS (NM_	TTS (NM_	6299	NM_201453	445571	Hs.645337	NM_201453	ENSG0000	CBWD3	bA561023.	COBW doma	protein-coding
chr7-7505	10.45959	0.892684	0.739714	1.206795	0.227511	0.981636	chr7	75059992	75060462	+	0	NA	intron (	L1MC1|LIN	13575	NM_001363	81554	Hs.529623	NM_030798	ENSG0000	RCC1L	WBSCR16	RCC1 like	protein-coding
chr12-314	8.724397	0.981361	0.813239	1.206732	0.227535	0.981636	chr12	31450319	31450642	+	0	NA	TTS (NM_	TTS (NM_	-81179	NR_146469	1.02E+08	Hs.266041	NR_146469	ENSG0000	LINC02387	-	long inte	ncRNA
chr1-1549	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-4690	NM_018655	55891	Hs.272399	NM_018655	ENSG0000	LENEP	LEP503	lens epit	protein-coding
chr11-666	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr11	66652154	66652399	+	0	NA	intron (	AluY|SINE	13573	NM_001198	5936	Hs.523822	NM_002896	ENSG0000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr19-402	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr19	40254468	40256525	+	0	NA	intron (	L2b|LINE|	9855	NM_00133	208	Hs.631535	NM_001626	ENSG0000	AKT2	HIHGHH|P	AKT serir	protein-coding
chr2-9625	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr2	96255254	96256377	+	0	NA	intron (	AluJr4|SI	10182	NM_001193	55654	Hs.164303	NM_017849	ENSG0000	TMEM127	-	transmemb	protein-coding
chr2-2312	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (	L1ME3G|LI	-79471	NR_039937	1.01E+08		NR_039937	ENSG0000	MIR4777	-	microRNA	ncRNA
chr9-3573	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr9	35738745	35738944	+	0	NA	exon (NM_	exon (NM_	5922	NR_106912	1.02E+08		NR_106912	ENSG0000	MIR6853	hsa-mir-6	microRNA	ncRNA
chr9-891	7.452513	1.04412	0.865638	1.206185	0.227746	0.981636	chr9	89108569	89111816	+	0	NA	intron (	intron (	68626	NM_016848	53358	Hs.292737	NM_016848	ENSG0000	SHC3	N-Shc|NS	SHC adapt	protein-coding
chr3-4931	8.135822	1.027135	0.851815	1.205819	0.227887	0.981636	chr3	49319691	49319934	+	0	NA	intron (	AluSz|SIN	20241	NM_001251	7375	Hs.77500	NM_003363	ENSG0000	USP4	UNP|Unph	ubiquitir	protein-coding
chr17-392	7.485794	1.046666	0.868017	1.205812	0.22789	0.981636	chr17	39273974	39274939	+	0	NA	intron (	FLAM_C|SI	-22944	NR_162098	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr19-364	7.485794	1.046666	0.868017	1.205812	0.22789	0.981636	chr19	36451261	36454188	+	0	NA	intron (	L1MA9|LIN	31550	NR_033748	644189	Hs.608412	NR_033748		LOC644189	-	acyl-CoA	pseudo
chr5-7222	7.485794	1.046666	0.868017	1.205812	0.22789	0.981636	chr5	72223487	72224190	+	0	NA	exon (NM_	exon (NM_	44051	NM_001324	4131	Hs.335079	NM_005909	ENSG0000	MAP1B	FUTSCH|M	microtubu	protein-coding
chr6-1052	7.485794	1.046666	0.868017	1.205812	0.22789	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	3’ UTR (	3’ UTR (	-98062	NM_022361	64208	Hs.458336	NM_022361	ENSG0000	POPDC3	POP3|bA3	popeye dc	protein-coding
chr9-1115	7.485794	1.046666	0.868017	1.205812	0.22789	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (	AluJr|SIN	13078	NM_133464	158399	Hs.584864	NM_133464	ENSG0000	ZNF483	ZKSCAN16|	zinc fing	protein-coding
chr2-1831	7.162247	-1.08801	0.902367	-1.20573	0.227921	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (	MER77B|LT	19847	NM_138285	129401	Hs.180591	NM_138285	ENSG0000	NUP35	MP-44|MP4	nucleopor	protein-coding
chr1-217	10.07586	-0.90401	0.75009	-1.20521	0.228124	0.981636	chr1	21700586	21701027	+	0	NA	intron (	AluSx3|SI	-31449	NM_00135	5909	Hs.148178	NM_002885	ENSG0000	RAP1GAP	RAP1GA1|	RAP1 GTPa	protein-coding
chr14-545	10.07586	-0.90401	0.75009	-1.20521	0.228124	0.981636	chr14	54571447	54573162	+	0	NA	intron (	L2b|LINE|	4692	NM_001161	23034	Hs.98259	NM_015589	ENSG0000	SAMD4A	SAMD4|SM	sterile	protein-coding
chr3-4482	2.436806	-1.94377	1.612815	-1.2052	0.228125	0.981636	chr3	44828879	44831428	+	0	NA	intron (	MER103C|	-31735	NR_03029	693149		NR_03029	ENSG0000	MIR564	MIRN564|	microRNA	ncRNA
chr16-840	6.881503	1.112395	0.923036	1.205148	0.228146	0.981636	chr16	84070606	84070819	+	0	NA	exon (NM_	exon (NM_	-28555	NM_00108	146167		NM_00108	ENSG0000	SLC38A8	FVH2	solute ca	protein-coding
chr10-47	7.444655	1.046507	0.868832	1.204498	0.228397	0.981636	chr10	470194	470521	+	0	NA	intron (	intron (	-158207	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG0000	LOC10193	-	uncharact	ncRNA
chrX-1176	7.444655	1.046507	0.868832	1.204498	0.228397	0.981636	chrX	11763348	11763581	+	0	NA	intron (	intron (	3817	NM_00680	10943	Hs.655288	NM_00680	ENSG0000	MSL3	MSL3L1	MSL compl	protein-coding
chr1-1481	12.22806	0.832058	0.690817	1.204456	0.228414	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (	intron (	28470	NM_001101	200030	Hs.721588	NM_183372	ENSG0000	NBPF11	NBPF24	NBPF memb	protein-coding
chr19-181	5.783885	1.239679	1.029873	1.20372	0.228698	0.981636	chr19	18147914	18148326	+	0	NA	intron (	AluSp|SIN	-5043	NR_162071	5296	Hs.371344	NM_005027	ENSG0000	PIK3R2	MPPH|MPP	phosphoir	protein-coding
chr1-2281	6.247191	1.139422	0.946659	1.203625	0.228734	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	exon (NM_	exon (NM_	2471	NM_181463	128308	Hs.63236	NM_181441	ENSG0000	MRPL55	AAVG5835|	mitochonc	protein-coding
chr12-112	6.247191	1.139422	0.946659	1.203625	0.228734	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	-67677	NR_106921	1.02E+08		NR_106921	ENSG0000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr17-640	6.247191	1.139422	0.946659	1.203625	0.228734	0.981636	chr17	64049430	64050911	+	0	NA	intron (	MIRc|SINE	-29536	NM_001099	3384	Hs.43146	NM_000873	ENSG0000	ICAM2	CD102	intercell	protein-coding
chr17-804	6.247191	1.139422	0.946659	1.203625	0.228734	0.981636	chr17	80417596	80417859	+	0	NA	intron (	L2b|LINE|	-1691	NR_039883	1.01E+08		NR_039883	ENSG0000	MIR4730	-	microRNA	ncRNA
chr4-1695	6.247191	1.139422	0.946659	1.203625	0.228734	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (	L1MA3|LIN	109241	NM_001199	4750	Hs.481181	NM_012224	ENSG0000	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr12-78	10.06615	-0.91206	0.757884	-1.20343	0.228809	0.981636	chr12	78050691	78050926	+	0	NA	exon (NM_	exon (NM_	219914	NM_014903	89795	Hs.655301	NM_014903	ENSG0000	NAV3	POMFIL1|	neuron na	protein-coding
chr13-243	6.659651	-1.17224	0.974531	-1.20288	0.229023	0.981636	chr13	24301005	24301242	+	0	NA	intron (	L3|LINE|	-6043	NM_001303	338872	Hs.362854	NM_17854	ENSG0000	C1QTNF9	AQL1|C1Q	C1q and	protein-coding
chr4-1956	6.659651	-1.17224	0.974531	-1.20288	0.229023	0.981636	chr4	1956740	1956958	+	0	NA	intron (	intron (	-17787	NR_003004	677770	Hs.676951	NR_003004	ENSG0000	SCARNA22	ACA11	small Ca	ncRNA
chr8-1435	6.659651	-1.17224	0.974531	-1.20288	0.229023	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	-3299	NM_001363	93100	Hs.493164	NM_145201	ENSG0000	NAPRT	NAPRT1|P	nicotinat	protein-coding
chr1-1656	36.75497	0.517314	0.430147	1.202644	0.229114	0.981636	chr1	16562399	16572285	+	0	NA	exon (NM_	exon (NM_	18428	NR_037446	1.01E+08		NR_037446	ENSG0000	MIR3675	-	microRNA	ncRNA
chr17-260	6.963782	1.112251	0.924946	1.202504	0.229168	0.981636	chr17	2604521	2604720	+	0	NA	intron (	AluSz|SIN	10966	NM_00043	5048	Hs.77318	NM_00043	ENSG0000	PAFAH1B1	LIS1|LIS	platelet	protein-coding
chr17-774	5.831472	-1.23896	1.030466	-1.20233	0.229237	0.981636	chr17	77430697	77431023	+	0	NA	intron (	AluSz|SIN	-19889	NM_001113	10801	Hs.440932	NM_00664	ENSG0000	SEPTIN9	AF17q25|	septin 9	protein-coding
chr19-189	6.375208	-1.1306	0.940546	-1.20206	0.229339	0.981636	chr19	18905493	18905692	+	0	NA	exon (NM_	exon (NM_	-8865	NM_00129	10715	Hs.412355	NM_021267	ENSG0000	CERS1	EPM8|GDF-	ceramide	protein-coding
chr9-1347	6.375208	-1.1306	0.940546	-1.20206	0.229339	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	MSTD|LTR|	-83695	NR_138049	414316	Hs.571561	NR_138049	ENSG0000	COL5A1-AS	C9orf104|	COL5A1 ar	ncRNA
chr1-1204	6.383066	-1.1324	0.942261	-1.20179	0.229445	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	-6911	NR_003242	767846	Hs.657186	NR_003242	ENSG0000	PFN1P2	C1orf152|	profilin	pseudo

chr4-5542	10.10914	-0.89967	0.748796	-1.20149	0.229559	0.981636	chr4	55420365	55421735	+	0	NA	intron (N	AluSx|SIN	25093	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr12-163	8.253233	1.040979	0.866455	1.201423	0.229587	0.981636	chr12	1632712	1633219	+	0	NA	intron (N	intron (N	3734	NM_032642	81029	Hs.306051	NM_030775	ENSG00000	WNT5B	-	Wnt famil	protein-coding
chr2-6919	9.624107	-0.93875	0.781572	-1.2011	0.229711	0.981636	chr2	69194621	69194863	+	0	NA	intron (N	AluSz|SIN	91060	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr11-101	3.70943	1.494846	1.244816	1.200857	0.229807	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-34547	NM_178127	253935	Hs.318370	NM_178127	ENSG00000	ANGPTL5	-	angiopoie	protein-coding
chr9-3410	7.46222	1.053966	0.878007	1.200407	0.229981	0.981636	chr9	34109158	34109793	+	0	NA	intron (N	intron (N	17223	NM_015397	25853	Hs.493750	NM_015397	ENSG00000	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr10-414	13.94569	0.781436	0.651146	1.200093	0.230103	0.981636	chr10	41438956	41440503	+	0	NA	Intergeni	ALR/Alpha	928316	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-7790	4.676813	-1.40578	1.171477	-1.20001	0.230136	0.981636	chr1	77903520	77904158	+	0	NA	intron (N	AluJb|SIN	-14300	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr22-386	3.742712	1.498738	1.248988	1.199962	0.230154	0.981636	chr22	38635703	38636592	+	0	NA	intron (N	intron (N	20245	NM_001013	646851	Hs.542707	NM_001013	ENSG00000	FAM227A	-	family wi	protein-coding
chr3-6907	10.11699	-0.90085	0.750746	-1.19994	0.230162	0.981636	chr3	69070773	69070972	+	0	NA	intron (N	AluJo|SIN	9493	NM_198195	9039	Hs.154320	NM_003968	ENSG00000	UBA3	NAE2|UBE1	ubiquitin	protein-coding
chr1-1788	10.43416	0.888988	0.740888	1.199895	0.23018	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA2|LIN	-26125	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr14-672	5.120704	-1.27995	1.066983	-1.1996	0.230296	0.981636	chr14	67279329	67280477	+	0	NA	intron (N	intron (N	38468	NM_001256	64398	Hs.652312	NM_022474	ENSG00000	MPP5	PALS1	membrane	protein-coding
chr2-1743	5.120704	-1.27995	1.066983	-1.1996	0.230296	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	MER30|DNA	7710	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr2-1772	10.04257	-0.90847	0.757319	-1.19958	0.230301	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	non-codin	non-codin	9675	NR_138470	220988	Hs.516539	NM_194247	ENSG00000	HNRNPA3	2610510D1	heterogen	protein-coding
chr17-351	8.844925	-0.95791	0.798709	-1.19932	0.230404	0.981636	chr17	35138852	35139201	+	0	NA	intron (N	AluJo|SIN	3225	NM_001014	54475	Hs.85570	NM_018096	ENSG00000	NLE1	NLE	notchless	protein-coding
chr18-585	8.844925	-0.95791	0.798709	-1.19932	0.230404	0.981636	chr18	58573947	58575813	+	0	NA	intron (N	intron (N	-25740	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr2-1114	8.844925	-0.95791	0.798709	-1.19932	0.230404	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	2426	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr15-711	8.852783	-0.95925	0.79993	-1.19917	0.230464	0.981636	chr15	71154967	71155746	+	0	NA	intron (N	MSTA|LTR|	13907	NM_024817	79875	Hs.387057	NM_024817	ENSG00000	THSD4	ADAMTSL-6	thrombosp	protein-coding
chr10-496	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr10	4966920	4973715	+	0	NA	intron (N	L1MC4|LIN	6902	NM_001353	1645	Hs.460260	NM_001353	ENSG00000	AKR1C1	2-ALPHA-H	aldo-keto	protein-coding
chr11-645	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr11	6456486	6458557	+	0	NA	intron (N	intron (N	16420	NM_033278	10612	Hs.591992	NM_006458	ENSG00000	TRIM3	BERP|HAC1	tripartit	protein-coding
chr16-897	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr16	89726752	89727062	+	0	NA	intron (N	AluSg|SIN	5370	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr2-7433	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr2	74331008	74331366	+	0	NA	intron (N	intron (N	12229	NM_133478	57835	Hs.594099	NM_021196	ENSG00000	SLC4A5	NBC4|NBCe	solute ca	protein-coding
chr3-1156	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr3	11562645	11563527	+	0	NA	intron (N	intron (N	5712	NM_001128	9686	Hs.740389	NM_014667	ENSG00000	VGLL4	VGL-4	vestigial	protein-coding
chr9-1298	7.460371	1.041707	0.868989	1.198758	0.230622	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSc8|SI	-7076	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr1-1560	8.698973	0.976983	0.814997	1.198757	0.230622	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	5450	NM_001093	92312	Hs.591496	NM_001093	ENSG00000	MEX3A	MEX-3A|RK	mex-3 RNA	protein-coding
chr12-349	8.698973	0.976983	0.814997	1.198757	0.230622	0.981636	chr12	34928803	34929002	+	0	NA	Intergeni	ALR/Alpha	906406	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr16-475	8.698973	0.976983	0.814997	1.198757	0.230622	0.981636	chr16	47550493	47550871	+	0	NA	intron (N	L1PREC2|L	89351	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr5-4735	8.698973	0.976983	0.814997	1.198757	0.230622	0.981636	chr5	47353625	47354378	+	0	NA	Intergeni	ALR/Alpha	-1657621	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-100	8.642118	0.980919	0.818515	1.198412	0.230757	0.981636	chr11	10079794	10080116	+	0	NA	intron (N	L1M2|LINE	214252	NM_030962	81846	Hs.577252	NM_030962	ENSG00000	SBF2	CMT4B2|DE	SET bindi	protein-coding
chr19-535	5.187267	-1.26111	1.052363	-1.19836	0.230777	0.981636	chr19	53559080	53559558	+	0	NA	intron (N	(AC)n|Sim	4012	NM_001079	55422	Hs.185674	NM_018555	ENSG00000	ZNF331	RITA|ZNF3	zinc fing	protein-coding
chr5-9690	5.187267	-1.26111	1.052363	-1.19836	0.230777	0.981636	chr5	96902315	96902758	+	0	NA	intron (N	intron (N	26597	NR_137637	64167	Hs.482910	NM_022350	ENSG00000	ERAP2	L-RAP|LRA	endoplasm	protein-coding
chr9-2789	5.187267	-1.26111	1.052363	-1.19836	0.230777	0.981636	chr9	2789174	2790028	+	0	NA	Intergeni	Intergeni	54494	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio F	protein-coding
chr12-780	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr12	78042689	78043559	+	0	NA	intron (N	L1PA7|LIN	212230	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr15-226	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr15	22668038	22669313	+	0	NA	intron (N	AluSz|SIN	3936	NR_003521	339005	Hs.212670	NR_003521		WHAMMP3	WHAMML1|W	WAS prote	pseudo
chr3-1276	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	L2a|LINE|	20676	NM_172027	80325	Hs.107812	NM_032548	ENSG00000	ABTB1	BPOZ|BTB3	ankyrin r	protein-coding
chr4-7792	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr4	77924792	77926172	+	0	NA	intron (N	AluYh3|SI	62652	NM_020236	65008	Hs.532019	NM_020236	ENSG00000	MRPL1	BM022|L1M	mitochond	protein-coding
chr5-1313	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	L1PA5|LIN	80423	NM_001038	56990	Hs.508829	NM_020240	ENSG00000	CDC42SE2	SPEC2	CDC42 sma	protein-coding
chr7-7559	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr7	75590864	75591063	+	0	NA	intron (N	intron (N	-62840	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr9-1229	6.400631	-1.12162	0.936016	-1.19829	0.230803	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-43727	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr16-295	6.36735	-1.12884	0.942078	-1.19824	0.230823	0.981636	chr16	29557832	29558327	+	0	NA	intron (N	intron (N	37013	NR_135305	440354	Hs.552700	NR_002473		SMG1P2	-	SMG1 pseu	pseudo
chr7-1248	6.36735	-1.12884	0.942078	-1.19824	0.230823	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-34432	NM_001024	154872	Hs.444163	NM_001024	ENSG00000	C7orf77	-	chromosom	protein-coding
chr1-7865	6.408489	-1.12339	0.937722	-1.198	0.230919	0.981636	chr1	78658834	78659261	+	0	NA	intron (N	L2a|LINE|	9216	NM_006417	10561	Hs.82316	NM_006417	ENSG00000	IFI44	MTAP44|TL	interfero	protein-coding
chr13-413	6.408489	-1.12339	0.937722	-1.198	0.230919	0.981636	chr13	41364271	41364731	+	0	NA	intron (N	intron (N	-52463	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochond	protein-coding
chr15-808	6.408489	-1.12339	0.937722	-1.198	0.230919	0.981636	chr15	80812865	80816462	+	0	NA	intron (N	L2c|LINE|	27410	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr9-1150	6.408489	-1.12339	0.937722	-1.198	0.230919	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	exon (NM_	exon (NM_	75911	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr11-791	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr11	791938	792143	+	0	NA	exon (NM_	exon (NM_	-1950	NM_016564	51286	Hs.22140	NM_016564	ENSG00000	CEND1	BM88	cell cycl	protein-coding
chr13-324	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr13	32456919	32457971	+	0	NA	intron (N	L1MA4A|LI	-29315	NM_001286	90634	Hs.732118	NM_052818	ENSG00000	N4BP2L1	CG018	NEDD4 bin	protein-coding
chr17-657	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr17	657341	657765	+	0	NA	intron (N	intron (N	57286	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr19-234	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr19	2348010	2349870	+	0	NA	intron (N	CpG	20256	NM_152988	56928	Hs.744026	NM_152988	ENSG00000	SPPL2B	IMP-4|IMP	signal pe	protein-coding
chr19-106	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr19	10641856	10643705	+	0	NA	intron (N	intron (N	11092	NR_024333	147727	Hs.631616	NR_024333	ENSG00000	ILF3-DT	ILF3-AS1	ILF3 dive	ncRNA
chr2-1710	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluY|SINE	-9730	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr22-296	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr22	29680034	29680258	+	0	NA	intron (N	AluSg|SIN	-39857	NM_182527	164633	Hs.643608	NM_182527	ENSG00000	CABP7	CALN2	calcium b	protein-coding
chr22-352	6.221768	1.133621	0.946419	1.197801	0.230995	0.981636	chr22	35262261	35262588	+	0	NA	intron (N	intron (N	4931	NM_001362	10042	Hs.588815	NM_005487	ENSG00000	HMGXB4	HMG2L1|HM	HMG-box c	protein-coding
chr5-4773	15.13344	0.761228	0.635782	1.197309	0.231186	0.981636	chr5	47735194	47736010	+	0	NA	Intergeni	ALR/Alpha	-2039222	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-9320	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr1	93201842	93202897	+	0	NA	intron (N	intron (N	21653	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-co	protein-coding
chr11-280	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr11	28081764	28084179	+	0	NA	intron (N	intron (N	25185	NM_031217	81930	Hs.301052	NM_031217	ENSG00000	KIF18A	MS-KIF18A	kinesin f	protein-coding
chr12-101	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	58452	NM_014503	27340	Hs.295732	NM_014503	ENSG00000	UTP20	1A6/DRIM|	UTP20 sma	protein-coding
chr13-113	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MC5|LIN	25224	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr14-305	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr14	30593519	30594247	+	0	NA	intron (N	intron (N	-16526	NR_151720	1.05E+08	Hs.603980	NR_151720	ENSG00000	G2E3-AS1	CAT1647	G2E3 anti	ncRNA
chr15-665	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr15	66540279	66541218	+	0	NA	intron (N	AluSx3|SI	24749	NM_207338	197021	Hs.680983	NM_207338	ENSG00000	LCTL	KLG|KLPH	lactase l	protein-coding
chr17-144	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr17	1449002	1449337	+	0	NA	intron (N	intron (N	7063	NM_016823	1398	Hs.461896	NM_005206	ENSG00000	CRK	CRKII|p38	CRK proto	protein-coding
chr2-1733	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	12423	NM_031942	83879	Hs.470654	NM_031942	ENSG00000	CDCA7	ICF3|JPO1	cell divi	protein-coding
chr3-1572	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr3	15729059	15729993	+	0	NA	intron (N	intron (N	27021	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr3-1604	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	22300	NR_029525	406951		NR_029525	ENSG00000	MIR16-2	MIRN16-2|	microRNA	ncRNA
chr6-1587	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	promoter-	promoter-	-496	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chr7-1437	5.146128	-1.26827	1.059268	-1.1973	0.231188	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12428	NM_001130	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chr2-8957	7.613996	-1.03019	0.860431	-1.1973	0.231189	0.981636	chr2	89577927	89578288	+	0	NA	intron (N	intron (N	7558	NR_160763	1.08E+08		NR_160761		LOC107985	-	lymphocyt	pseudo
chr2-1725	7.613996	-1.03019	0.860431	-1.1973	0.231189	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	AluJr4|SI	29087	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr5-1316	5.103138	-1.2943	1.081354	-1.19693	0.231335	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MB4|LIN	-13844	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr19-261	37.42072	0.521323	0.435568	1.19688	0.231353	0.981636	chr19	26137614	26137813	+	0	NA	Intergeni	ALR/Alpha	-1655718	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr16-507	9.246409	0.936734	0.782689	1.196815	0.231378	0.981636	chr16	50766086	50766501	+	0	NA	intron (N	Tigger1|D	23988	NR_130462	1E+08		NR_130462	ENSG00000	MIR3181	-	microRNA	ncRNA
chr7-1165	8.837068	-0.95658	0.799589	-1.19634	0.231562	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	3507	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr7-9256	8.860641	-0.96062	0.803272	-1.19589	0.231741	0.981636	chr7	92567668	92568012	+	0	NA	intron (N	AluSx|SIN	22209	NM_001288	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-1059	8.860641	-0.96062	0.803272	-1.19589	0.231741	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	Intergeni	L1MB5|LIN	-34527	NM_152749	222255	Hs.745056	NM_020725	ENSG00000	ATXN7L1	ATXN7L4	ataxin 7	protein-coding
chr21-363	5.882319	-1.21761	1.018191	-1.19586	0.231753	0.981636	chr21	36352291	36352544	+	0	NA	intron (N	L1M5|LINE	32220	NM_015358	23515	Hs.421150	NM_015358	ENSG00000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr5-9574	7.606138	-1.02867	0.860289	-1.19573	0.231802	0.981636	chr5	95741570	95742121	+	0	NA	intron (N	L1MC4|LIN	-9743	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr9-2132	7.606138	-1.02867	0.860289	-1.19573	0.231802	0.981636	chr9	21324677	21325030	+	0	NA	Intergeni	Intergeni	10551	NM_018847	55958	Hs.701778	NM_018847	ENSG00000	KLHL9	-	kelch lik	protein-coding
chr10-127	7.427089	1.039144	0.869405	1.195236	0.231995	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	-109938	NM_001030	594857	Hs.643423	NM_001030	ENSG00000	NPS	-	neuropept	protein-coding
chr3-1411	7.427089	1.039144	0.869405	1.195236	0.231995	0.981636	chr3	14115581	14115962	+	0	NA	intron (N	LTR82B|LT	9099	NM_001098	131474	Hs.517815	NM_144636	ENSG00000	CHCHD4	MIA40|TIM	coiled-co	protein-coding
chr8-1279	6.21391	1.136529	0.950944	1.195158	0.232025	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-23239	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr10-505	6.255049	1.136534	0.951135	1.194925	0.232116	0.981636	chr10	50589145	50589899	+	0	NA	intron (N	AluJb|SIN	34434	NM_147156	259230	Hs.654698	NM_147156	ENSG00000	SGMS1	MOB|MOB1|	sphingomy	protein-coding
chr12-951	6.255049	1.136534	0.951135	1.194925	0.232116	0.981636	chr12	95134450	95134805	+	0	NA	intron (N	intron (N	-61009	NM_001127	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr21-439	6.255049	1.136534	0.951135	1.194925	0.232116	0.981636	chr21	43971715	43972054	+	0	NA	intron (N	intron (N	-40425	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr3-1056	6.255049	1.136534	0.951135	1.194925	0.232116	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	186717	NM_001321	868	Hs.430589	NM_170662	ENSG00000	CBLB	Cbl-b|Nbl	Cbl proto	protein-coding
chr6-1459	6.255049	1.136534	0.951135	1.194925	0.232116	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	17599	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr1-1494	13.92026	0.778556	0.65169	1.194673	0.232215	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	AluJr|SIN	-20040	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr10-145	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr10	14514951	14518866	+	0	NA	Intergeni	L1MC4|LIN	15806	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr16-911	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr16	9119278	9119477	+	0	NA	3’ UTR (N	3’ UTR (N	27733	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr3-1727	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	9070	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr5-5454	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr5	54545071	54548104	+	0	NA	TTS (NM_0	TTS (NM_0	28828	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting r	protein-coding
chr6-1368	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSz|SIN	48394	NM_000288	5191	Hs.280932	NM_000288	ENSG00000	PEX7	PBD9B|PTS	peroxisom	protein-coding
chr7-9830	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr7	98307406	98307803	+	0	NA	intron (N	intron (N	25918	NM_015379	25798	Hs.567438	NM_015379	ENSG00000	BRI3	I3	brain pro	protein-coding
chr7-1006	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-3295	NR_038910	1E+08	Hs.714123	NR_038910	ENSG00000	PCOLCE-AS	-	PCOLCE an	ncRNA
chr8-1005	6.392773	-1.11984	0.937536	-1.19445	0.2323	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	8206	NM_001270	157567	Hs.530199	NM_198401	ENSG00000	ANKRD46	ANK-S|GEN	ankyrin r	protein-coding
chr10-285	8.878207	-0.95291	0.797841	-1.19436	0.232335	0.981636	chr10	28561810	28562267	+	0	NA	intron (N	intron (N	28920	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr16-295	8.878207	-0.95291	0.797841	-1.19436	0.232335	0.981636	chr16	29539302	29541116	+	0	NA	Intergeni	Intergeni	-34335	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr14-594	10.06014	-0.90166	0.755041	-1.19419	0.232403	0.981636	chr14	59477985	59479040	+	0	NA	intron (N	AluJr4|SI	5063	NM_001331	112849	Hs.729061	NM_144581	ENSG00000	L3HYPDH	C14orf149	trans-L-3	protein-coding
chr12-664	9.220985	0.932617	0.781096	1.193984	0.232484	0.981636	chr12	6648447	6649153	+	0	NA	Intergeni	AluJb|SIN	-1368	NM_032489	84519	Hs.123239	NM_032489	ENSG00000	ACRBP	CT23|OY-T	acrosin b	protein-coding
chr4-3508	9.220985	0.932617	0.781096	1.193984	0.232484	0.981636	chr4	3508398	3510129	+	0	NA	non-codin	non-codin	22886	NR_110005	4043	Hs.40966	NM_002337	ENSG00000	LRPAP1	A2MRAP|A2	LDL recep	protein-coding
chr5-9556	7.436797	1.04896	0.879004	1.193352	0.232732	0.981636	chr5	95568546	95568819	+	0	NA	intron (N	MER68|LTR	13581	NM_198150	153642	Hs.585051	NM_198150	ENSG00000	ARSK	TSULF	arylsulfa	protein-coding
chr21-348	5.915601	-1.20911	1.013342	-1.19319	0.232795	0.981636	chr21	34804554	34804760	+	0	NA	intron (N	L1MCa|LIN	58832	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr8-6657	5.915601	-1.20911	1.013342	-1.19319	0.232795	0.981636	chr8	66571677	66572041	+	0	NA	intron (N	AluSc|SIN	41359	NM_001080	4603	Hs.445898	NM_001080	ENSG00000	MYBL1	A-MYB|AMY	MYB proto	protein-coding
chr15-671	7.639419	-1.02278	0.857422	-1.19286	0.232926	0.981636	chr15	67194060	67194442	+	0	NA	3’ UTR (N	3’ UTR (N	28096	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr1-1716	9.407707	0.970865	0.813982	1.192735	0.232973	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	Intergeni	L1M6|LINE	42936	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chrX-1151	7.588572	-1.03786	0.870329	-1.19249	0.233069	0.981636	chrX	1.15E+08	1.15E+08	+	0	NA	intron (N	AluSz|SIN	4764	NR_145764	1.1E+08		NR_145764	ENSG00000	SNORA35B	-	small nuc	snoRNA
chr12-112	5.733038	1.226775	1.029705	1.191385	0.233503	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-87245	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr16-173	5.733038	1.226775	1.029705	1.191385	0.233503	0.981636	chr16	1732620	1733527	+	0	NA	intron (N	intron (N	-1912	NR_036138	1E+08		NR_036138	ENSG00000	MIR3177	mir-3177	microRNA	ncRNA
chr1-1087	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	52179	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr10-127	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	137763	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|c	dedicator	protein-coding
chr11-329	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr11	32941715	32941914	+	0	NA	intron (N	L1PA3|LIN	49003	NM_001076	79832	Hs.369368	NM_024774	ENSG00000	QSER1	-	glutamine	protein-coding
chr2-1731	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	24706	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr3-1250	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	2237	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr9-1150	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	36137	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr9-1276	7.631561	-1.02127	0.85728	-1.19129	0.233541	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx|SIN	21902	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr2-1343	7.580714	-1.03632	0.870189	-1.19091	0.233689	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	67295	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-1514	7.580714	-1.03632	0.870189	-1.19091	0.233689	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	56412	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr5-5452	7.580714	-1.03632	0.870189	-1.19091	0.233689	0.981636	chr5	54524320	54525010	+	0	NA	intron (N	intron (N	6906	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting r	protein-coding
chr17-541	7.647277	-1.02429	0.86013	-1.19086	0.233708	0.981636	chr17	5412529	5413446	+	0	NA	intron (N	LTR78B|LT	-6654	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr13-275	7.59828	-1.02717	0.862728	-1.19061	0.233807	0.981636	chr13	27566725	27567063	+	0	NA	intron (N	intron (N	53635	NM_153371	222484	Hs.132359	NM_153371	ENSG00000	LNX2	PDZRN1	ligand of	protein-coding
chr13-513	7.59828	-1.02717	0.862728	-1.19061	0.233807	0.981636	chr13	51364843	51365457	+	0	NA	3’ UTR (N	3’ UTR (N	-16511	NR_049878	1.01E+08		NR_049878	ENSG00000	MIR5693	-	microRNA	ncRNA
chr15-326	7.59828	-1.02717	0.862728	-1.19061	0.233807	0.981636	chr15	32621728	32622198	+	0	NA	intron (N	intron (N	6459	NM_001286	9824	Hs.591130	NM_014783	ENSG00000	ARHGAP11A	GAP (1-12	Rho GTPas	protein-coding
chr18-260	7.59828	-1.02717	0.862728	-1.19061	0.233807	0.981636	chr18	26076127	26077569	+	0	NA	intron (N	L1MC5a|LI	13765	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr2-2164	7.93172	-1.06073	0.890931	-1.19058	0.233817	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-15548	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr12-113	4.965599	1.26439	1.062075	1.19049	0.233854	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	TTS (NR_1	TTS (NR_1	855	NR_106956	1.02E+08		NR_106956	ENSG00000	MIR7106	hsa-mir-7	microRNA	ncRNA

chr14-920	4.965599	1.26439	1.062075	1.19049	0.233854	0.981636	chr14	92066989	92068732	+	0	NA	intron (N	L1MDa|LIN	-27801	NM_001321	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr2-9995	4.965599	1.26439	1.062075	1.19049	0.233854	0.981636	chr2	9995679	9996496	+	0	NA	intron (N	intron (N	44394	NM_198182	29841	Hs.418493	NM_198182	ENSG00000	GRHL1	LBP32|MGR	grainyhea	protein-coding
chr14-103	6.359492	-1.1271	0.946924	-1.19028	0.233938	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	Intergeni	AluSz6|SI	13159	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr5-4069	6.359492	-1.1271	0.946924	-1.19028	0.233938	0.981636	chr5	40692524	40693290	+	0	NA	3’ UTR (N	3’ UTR (N	12992	NM_000958	5734	Hs.199248	NM_000958	ENSG00000	PTGER4	EP4|EP4R	prostagla	protein-coding
chr5-7537	6.359492	-1.1271	0.946924	-1.19028	0.233938	0.981636	chr5	75374759	75375497	+	0	NA	intron (N	intron (N	37908	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr9-1322	6.359492	-1.1271	0.946924	-1.19028	0.233938	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L2a|LINE|	63896	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr19-206	6.341926	-1.13823	0.956407	-1.19011	0.234005	0.981636	chr19	20650936	20651135	+	0	NA	intron (N	AluSg4|SI	10536	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr3-1980	8.783102	0.987974	0.83061	1.189457	0.23426	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	35376	NR_046669	1.01E+08	Hs.637166	NR_046669	ENSG00000	LMLN-AS1	-	LMLN anti	ncRNA
chr3-1344	10.08556	-0.89609	0.753547	-1.18917	0.234373	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	L1MA4A|LI	9582	NM_001353	80254	Hs.443301	NM_025180	ENSG00000	CEP63	SCKL6	centrosom	protein-coding
chr5-3586	10.08556	-0.89609	0.753547	-1.18917	0.234373	0.981636	chr5	35864208	35865690	+	0	NA	intron (N	L1ME2|LIN	8058	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr1-2063	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr1	20638142	20638693	+	0	NA	intron (N	AluJb|SIN	4738	NR_106732	1.02E+08		NR_106732	ENSG00000	MIR6084	hsa-mir-6	microRNA	ncRNA
chr1-2064	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-54199	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr1-2469	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	16633	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr17-417	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr17	41760601	41767979	+	0	NA	intron (N	AluSx1|SI	21805	NM_001352	3728	Hs.514174	NM_002230	ENSG00000	JUP	CTNNG|DP3	junction	protein-coding
chr17-478	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr17	47807180	47808305	+	0	NA	3’ UTR (N	3’ UTR (N	14052	NM_145798	114881	Hs.463320	NM_017731	ENSG00000	OSBPL7	ORP7	oxysterol	protein-coding
chr22-353	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr22	35317440	35320613	+	0	NA	intron (N	intron (N	-16614	NR_037471	1.01E+08		NR_037471	ENSG00000	MIR3909	mir-3909	microRNA	ncRNA
chr22-466	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr22	46666622	46668656	+	0	NA	intron (N	intron (N	47253	NM_015124	23151	Hs.475150	NM_015124	ENSG00000	GRAMD4	DIP	GRAM doma	protein-coding
chr5-1345	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	11966	NM_015288	23338	Hs.732155	NM_015288	ENSG00000	JADE2	JADE-2|PH	jade fami	protein-coding
chr8-1437	6.229626	1.130703	0.950897	1.189091	0.234404	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	17070	NR_030633	1E+08		NR_030633	ENSG00000	MIR937	MIRN937|h	microRNA	ncRNA
chr15-723	7.493652	1.044203	0.878346	1.18883	0.234507	0.981636	chr15	72356034	72356538	+	0	NA	intron (N	intron (N	19728	NM_001318	3073	Hs.604479	NM_000520	ENSG00000	HEXA	TSD	hexosamin	protein-coding
chr20-508	7.493652	1.044203	0.878346	1.18883	0.234507	0.981636	chr20	50831342	50831675	+	0	NA	intron (N	MER102c|D	36614	NM_198799	55653	Hs.381178	NM_017843	ENSG00000	BCAS4	CNOL	breast ca	protein-coding
chr11-609	6.938359	1.106722	0.930936	1.188826	0.234508	0.981636	chr11	60941556	60941755	+	0	NA	intron (N	intron (N	10521	NM_016582	51296	Hs.237856	NM_016582	ENSG00000	SLC15A3	OCTP|PHT2	solute ca	protein-coding
chr11-886	4.998881	1.26775	1.066395	1.188818	0.234511	0.981636	chr11	886615	887497	+	0	NA	intron (N	AluJb|SIN	23754	NM_001142	66005	Hs.144468	NM_023947	ENSG00000	CHID1	GL008|SI-	chitinase	protein-coding
chr14-739	4.998881	1.26775	1.066395	1.188818	0.234511	0.981636	chr14	73967145	73968081	+	0	NA	intron (N	AluSz6|SI	17311	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CG	coenzyme	protein-coding
chr9-3439	4.998881	1.26775	1.066395	1.188818	0.234511	0.981636	chr9	34397601	34398339	+	0	NA	promoter-	promoter-	-160	NM_032596	84688	Hs.50334	NM_032596	ENSG00000	C9orf24	CBE1|NYD-	chromosom	protein-coding
chr9-1370	4.998881	1.26775	1.066395	1.188818	0.234511	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	-12862	NM_207511	401563	Hs.522509	NM_207511		C9orf139	-	chromosom	protein-coding
chr2-3249	10.1267	-0.89294	0.751156	-1.18875	0.234537	0.981636	chr2	32494188	32494427	+	0	NA	intron (N	AluSc5|SI	-37846	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr17-630	8.757679	0.98355	0.82778	1.188179	0.234763	0.981636	chr17	63010574	63010773	+	0	NA	intron (N	MER21C|LT	44438	NM_025185	26115	Hs.410889	NM_015623	ENSG00000	TANC2	ROLSA|rol	tetratric	protein-coding
chr1-2295	9.195561	0.928505	0.7816	1.187955	0.234851	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	AluSx3|SI	5332	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NP	nucleopor	protein-coding
chr14-907	9.195561	0.928505	0.7816	1.187955	0.234851	0.981636	chr14	90769435	90769736	+	0	NA	intron (N	AluJo|SIN	46832	NM_001320	145567	Hs.655697	NM_001010	ENSG00000	TTC7B	TTC7L1|c1	tetratric	protein-coding
chr6-3196	9.195561	0.928505	0.7816	1.187955	0.234851	0.981636	chr6	31969067	31969266	+	0	NA	TTS (NM_0	TTS (NM_0	-2009	NR_026717	8859	Hs.654371	NM_004197	ENSG00000	STK19	D6S60|D6S	serine/th	protein-coding
chr1-1509	7.434947	1.036693	0.872777	1.187809	0.234908	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	8786	NM_001163	55793	Hs.743952	NM_018379	ENSG00000	MINDY1	FAM63A|MI	MINDY lys	protein-coding
chr16-161	7.434947	1.036693	0.872777	1.187809	0.234908	0.981636	chr16	16164682	16165735	+	0	NA	intron (N	AluJr|SIN	58263	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr4-3217	7.434947	1.036693	0.872777	1.187809	0.234908	0.981636	chr4	3217908	3218595	+	0	NA	intron (N	intron (N	-26118	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr11-627	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr11	62782434	62782743	+	0	NA	intron (N	Charlie17	-4814	NM_001363	374395	Hs.381134	NM_199337	ENSG00000	TMEM179B	-	transmemb	protein-coding
chr11-108	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	MLT1F|LTR	116105	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr14-100	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-4705	NR_029863	442915		NR_029863	ENSG00000	MIR370	MIRN370|h	microRNA	ncRNA
chr2-2186	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluSp|SIN	-10854	NM_014640	9654	Hs.471405	NM_014640	ENSG00000	TTLL4	-	tubulin t	protein-coding
chr22-279	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr22	27982645	27983427	+	0	NA	exon (NM_	exon (NM_	-62424	NR_036169	1E+08		NR_036169	ENSG00000	MIR3199-1	mir-3199-	microRNA	ncRNA
chr3-1136	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	19412	NM_001009	205717	Hs.632570	NM_001009	ENSG00000	USF3	KIAA2018	upstream	protein-coding
chr3-1231	6.196344	1.127792	0.949579	1.187675	0.234961	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-43477	NR_106960	1.02E+08		NR_106960	ENSG00000	MIR7110	hsa-mir-7	microRNA	ncRNA
chr19-946	5.144463	1.330753	1.120913	1.187205	0.235147	0.981636	chr19	9468869	9469113	+	0	NA	intron (N	AluSx4|SI	29625	NM_152476	147741	Hs.631613	NM_152476	ENSG00000	ZNF560	-	zinc fing	protein-coding
chr11-948	6.384915	-1.11804	0.942202	-1.18662	0.235377	0.981636	chr11	94813839	94814745	+	0	NA	intron (N	intron (N	45936	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr2-1010	6.384915	-1.11804	0.942202	-1.18662	0.235377	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA3|LIN	14001	NM_000993	6160	Hs.469473	NM_000993	ENSG00000	RPL31	L31	ribosomal	protein-coding
chr2-1732	6.384915	-1.11804	0.942202	-1.18662	0.235377	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	exon (NM_	exon (NM_	15322	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr3-1116	6.384915	-1.11804	0.942202	-1.18662	0.235377	0.981636	chr3	11161946	11162547	+	0	NA	intron (N	LTR79|LTR	7753	NM_001098	3269	Hs.1570	NM_000861	ENSG00000	HRH1	H1-R|H1R|	histamine	protein-coding
chr4-1390	6.384915	-1.11804	0.942202	-1.18662	0.235377	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	Intergeni	Intergeni	31741	NM_012118	25819	Hs.639842	NM_012118	ENSG00000	NOCT	CCR4L|CCR	nocturnin	protein-coding
chr17-606	9.179846	0.932328	0.785856	1.186386	0.23547	0.981636	chr17	60624608	60624910	+	0	NA	intron (N	AluSp|SIN	24576	NM_003620	8493	Hs.286073	NM_003620	ENSG00000	PPM1D	IDDGIP|PP	protein p	protein-coding
chr14-734	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chr14	73450688	73450946	+	0	NA	intron (N	intron (N	7763	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endo	protein-coding
chr16-292	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chr16	29286675	29288148	+	0	NA	Intergeni	Intergeni	-14876	NR_002939	440352	Hs.658149	NR_002939		SNX29P2	RUNDC2C	sorting n	pseudo
chr2-2479	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chr2	24798751	24802720	+	0	NA	intron (N	L1PA4|LIN	7310	NM_001199	79172	Hs.731569	NM_024322	ENSG00000	CENPO	CENP-O|IC	centromer	protein-coding
chr2-3658	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chr2	36588922	36589525	+	0	NA	intron (N	L2c|LINE|	8945	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr3-1238	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chr3	12382629	12383395	+	0	NA	intron (N	MIR3|SINE	31510	NM_015869	5468	Hs.162646	NM_005037	ENSG00000	PPARG	CIMT1|GLM	peroxisom	protein-coding
chrX-4116	7.623703	-1.01974	0.859706	-1.18615	0.235565	0.981636	chrX	41162974	41163278	+	0	NA	intron (N	intron (N	77681	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitin	protein-coding
chr19-745	4.957741	1.268096	1.069311	1.185901	0.235661	0.981636	chr19	7459309	7459614	+	0	NA	intron (N	AluJr|SIN	19773	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr21-326	4.957741	1.268096	1.069311	1.185901	0.235661	0.981636	chr21	32646164	32646423	+	0	NA	intron (N	intron (N	-33422	NM_001350	56683	Hs.5811	NM_017835	ENSG00000	CFAP298	C21orf48|	cilia and	protein-coding
chr17-569	7.572856	-1.03483	0.872665	-1.18583	0.235689	0.981636	chr17	56911759	56911958	+	0	NA	intron (N	AluJr4|SI	2191	NM_005082	7706	Hs.528952	NM_005082	ENSG00000	TRIM25	EFP|RNF14	tripartit	protein-coding
chr4-2640	8.854633	-0.94891	0.800495	-1.18541	0.235857	0.981636	chr4	26404815	26408881	+	0	NA	intron (N	LTR10E|LT	83636	NM_000730	886	Hs.129	NM_000730	ENSG00000	CCKAR	CCK-A|CCK	cholecyst	protein-coding
chr22-267	7.604288	-1.04117	0.878512	-1.18516	0.235956	0.981636	chr22	26700093	26700678	+	0	NA	intron (N	MER1A|DNA	27542	NR_110543	1.03E+08	Hs.642767	NR_110543		MIATNB	-	MIAT neig	ncRNA
chr2-6905	6.188486	1.130686	0.954277	1.184861	0.236072	0.981636	chr2	69053195	69054654	+	0	NA	intron (N	intron (N	40780	NM_053034	84168	Hs.165859	NM_018153	ENSG00000	ANTXR1	ATR|GAPO|	ANTXR cel	protein-coding
chr1-1452	12.70708	0.799067	0.6745	1.184679	0.236144	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	62152	NR_104075	1.02E+08		NR_104075	ENSG00000	RNVU1-14	RNU1-37|v	RNA, vari	snRNA
chr1-2312	12.70708	0.799067	0.6745	1.184679	0.236144	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	L1MB2|LIN	17379	NM_001316	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr15-483	10.11884	-0.89173	0.752735	-1.18465	0.236157	0.981636	chr15	48334772	48334971	+	0	NA	intron (N	intron (N	2674	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr16-751	11.37936	-0.86381	0.72922	-1.18456	0.236191	0.981636	chr16	75165218	75165618	+	0	NA	intron (N	AluSg4|SI	16367	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr1-1552	9.228843	0.9307	0.785821	1.184367	0.236268	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSx1|SI	4371	NM_001171	2629	Hs.282997	NM_000157	ENSG00000	GBA	GBA1|GCB|	glucosylc	protein-coding
chr17-323	9.228843	0.9307	0.785821	1.184367	0.236268	0.981636	chr17	32334567	32334922	+	0	NA	intron (N	intron (N	7429	NM_022344	64149	Hs.655257	NM_022344	ENSG00000	C17orf75	NJMU-R1|S	chromosom	protein-coding
chr10-708	6.426055	-1.11259	0.94038	-1.18313	0.236758	0.981636	chr10	70858649	70859256	+	0	NA	intron (N	MIRb|SINE	28929	NM_001289	5092	Hs.3192	NM_000281	ENSG00000	PCBD1	DCOH|PCBD	pterin-4	protein-coding
chr15-809	6.426055	-1.11259	0.94038	-1.18313	0.236758	0.981636	chr15	80906702	80907270	+	0	NA	intron (N	intron (N	-64913	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr9-7830	6.426055	-1.11259	0.94038	-1.18313	0.236758	0.981636	chr9	78304951	78305990	+	0	NA	intron (N	MLT1K|LTR	8345	NM_021154	29968	Hs.494261	NM_021154	ENSG00000	PSAT1	EPIP|NLS2	phosphose	protein-coding
chr8-2339	6.433913	-1.11434	0.942098	-1.18283	0.236878	0.981636	chr8	23399195	23400870	+	0	NA	intron (N	intron (N	4088	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr19-284	6.334068	-1.13654	0.961361	-1.18222	0.237117	0.981636	chr19	2846340	2846633	+	0	NA	intron (N	MER68-int	5011	NM_152791	148254	Hs.47712	NM_152791	ENSG00000	ZNF555	-	zinc fing	protein-coding
chr5-5469	6.334068	-1.13654	0.961361	-1.18222	0.237117	0.981636	chr5	5469972	5470171	+	0	NA	intron (N	intron (N	47394	NM_015325	23379	Hs.449296	NM_015325	ENSG00000	ICE1	KIAA0947	interacto	protein-coding
chr2-2713	8.895773	-0.94523	0.799547	-1.18221	0.237122	0.981636	chr2	27131999	27132546	+	0	NA	non-codin	non-codin	2364	NM_013388	10113	Hs.279784	NM_013388	ENSG00000	PREB	SEC12	prolactin	protein-coding
chr11-779	5.112846	-1.27791	1.08106	-1.18208	0.237172	0.981636	chr11	77958743	77959026	+	0	NA	intron (N	intron (N	35784	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr13-952	7.590422	-1.02568	0.867819	-1.1819	0.237244	0.981636	chr13	95241402	95241601	+	0	NA	intron (N	intron (N	31157	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr3-1504	7.590422	-1.02568	0.867819	-1.1819	0.237244	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSq2|SI	17178	NM_001303	9819	Hs.722470	NM_014779	ENSG00000	TSC22D2	TILZ4a|TI	TSC22 dom	protein-coding
chr5-1393	7.590422	-1.02568	0.867819	-1.1819	0.237244	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	Intergeni	AluY|SINE	-9001	NR_109830	51247	Hs.396644	NM_016480	ENSG00000	PAIP2	PAIP-2|PA	poly(A) b	protein-coding
chr17-761	7.468228	1.039177	0.87934	1.181769	0.237297	0.981636	chr17	7610811	7611365	+	0	NA	intron (N	intron (N	-2976	NM_001289	6462	Hs.632235	NM_001040	ENSG00000	SHBG	ABP|SBP|T	sex hormo	protein-coding
chr17-607	7.468228	1.039177	0.87934	1.181769	0.237297	0.981636	chr17	60709209	60709602	+	0	NA	intron (N	AluSx|SIN	31554	NM_001320	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr4-5189	7.468228	1.039177	0.87934	1.181769	0.237297	0.981636	chr4	51891932	51892222	+	0	NA	intron (N	intron (N	48498	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr10-294	9.16228	0.926281	0.78407	1.181375	0.237454	0.981636	chr10	29466822	29467935	+	0	NA	non-codin	non-codin	57135	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr10-686	8.318756	-1.01128	0.856206	-1.18112	0.237555	0.981636	chr10	68673028	68673671	+	0	NA	intron (N	L1MEi|LIN	-47890	NM_018237	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr12-112	9.197411	0.938491	0.794694	1.180947	0.237624	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJo|SIN	-103199	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr14-637	7.401665	1.034072	0.876117	1.18029	0.237885	0.981636	chr14	63720534	63721137	+	0	NA	intron (N	L1ME4b|LI	7230	NM_030791	81537	Hs.24678	NM_030791	ENSG00000	SGPP1	SPP-1|SPP	sphingosi	protein-coding
chr1-1469	12.68166	0.795957	0.674535	1.180009	0.237997	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	48608	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr10-121	5.13827	-1.26596	1.073379	-1.17941	0.238234	0.981636	chr10	1.22E+08	1.22E+08	+	0	NA	intron (N	L3|LINE|C	8411	NM_001167	54780	Hs.258798	NM_017615	ENSG00000	NSMCE4A	C10orf86|	NSE4 homo	protein-coding
chr2-3339	5.13827	-1.26596	1.073379	-1.17941	0.238234	0.981636	chr2	33390670	33391112	+	0	NA	intron (N	intron (N	-27625	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr11-618	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr11	61857245	61859893	+	0	NA	intron (N	intron (N	19709	NR_106804	1.02E+08		NR_106804	ENSG00000	MIR6746	hsa-mir-6	microRNA	ncRNA
chr12-131	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	15922	NM_003565	8408	Hs.47061	NM_003565	ENSG00000	ULK1	ATG1|ATG1	unc-51 li	protein-coding
chr3-4841	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr3	48418525	48419463	+	0	NA	exon (NM_	exon (NM_	10469	NM_002673	5364	Hs.476209	NM_002673	ENSG00000	PLXNB1	PLEXIN-B1	plexin B1	protein-coding
chr4-3645	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr4	364523	364941	+	0	NA	intron (N	L1PA5|LIN	14575	NR_030297	693156		NR_030297	ENSG00000	MIR571	MIRN571|h	microRNA	ncRNA
chr5-1731	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSp|SIN	-29247	NM_001205	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr8-1434	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	-35217	NM_201589	389692		NM_201589	ENSG00000	MAFA	INSDM|RIP	MAF bZIP	protein-coding
chr9-1163	4.973457	1.260608	1.068868	1.179386	0.238245	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	92482	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr12-105	7.664843	-1.01533	0.860901	-1.17938	0.238247	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSg|SIN	44525	NM_001034	160428	Hs.42572	NM_001034	ENSG00000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr3-4817	5.171551	-1.25644	1.065594	-1.1791	0.238359	0.981636	chr3	48177776	48178570	+	0	NA	intron (N	intron (N	10244	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr8-1300	5.171551	-1.25644	1.065594	-1.1791	0.238359	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	MER21-int	14411	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr6-8968	7.146531	-1.0842	0.919683	-1.17889	0.238444	0.981636	chr6	89682953	89683152	+	0	NA	intron (N	intron (N	-44305	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr1-1476	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	AluSc|SIN	21066	NM_001323	51205	Hs.562154	NM_016361	ENSG00000	ACP6	ACPL1|LPA	acid phos	protein-coding
chr1-1674	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	83512	NM_001198	5451	Hs.283402	NM_002697	ENSG00000	POU2F1	OCT1|OTF1	POU class	protein-coding
chr11-649	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr11	64903529	64910285	+	0	NA	intron (N	intron (N	-4452	NR_106807	1.02E+08		NR_106807	ENSG00000	MIR6749	hsa-mir-6	microRNA	ncRNA
chr17-151	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr17	1513211	1513921	+	0	NA	intron (N	intron (N	3046	NM_130766	51763	Hs.632238	NM_016532	ENSG00000	INPP5K	MDCCAID|F	inositol	protein-coding
chr17-387	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr17	38719905	38720498	+	0	NA	TTS (NR_0	TTS (NR_0	510	NR_039879	1.01E+08		NR_039879	ENSG00000	MIR4726	-	microRNA	ncRNA
chr17-812	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr17	81228688	81229094	+	0	NA	non-codin	non-codin	184	NR_135654	1.05E+08	Hs.620720	NR_135654		LOC105371	-	uncharact	ncRNA
chr18-622	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr18	62291538	62292061	+	0	NA	intron (N	MIRc|SINE	-33488	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEO	TNF recep	protein-coding
chr2-1659	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr2	1.66E+08	1.66E+08	+	0	NA	intron (N	L2a|LINE|	8735	NR_038983	1.01E+08	Hs.672319	NR_038983		TTC21B-AS	-	TTC21B an	ncRNA
chr22-507	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr22	50706561	50706760	+	0	NA	intron (N	intron (N	31509	NR_134637	1.05E+08	Hs.475243	NR_134637	ENSG00000	LOC105373	-	uncharact	ncRNA
chr5-1739	6.204202	1.124824	0.954228	1.178778	0.238486	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	intron (N	L1MC4|LIN	-40557	NM_001144	133491	Hs.131469	NM_001144	ENSG00000	C5orf47	-	chromosom	protein-coding
chr3-1872	8.911489	-0.94784	0.804116	-1.17873	0.238505	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	(GA)n|Sim	-37931	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact	ncRNA
chr11-639	7.393807	1.036468	0.879366	1.178653	0.238536	0.981636	chr11	63903967	63904289	+	0	NA	exon (NM_	exon (NM_	13036	NM_173587	283248	Hs.98788	NM_173587	ENSG00000	RCOR2	-	REST core	protein-coding
chr20-248	7.393807	1.036468	0.879366	1.178653	0.238536	0.981636	chr20	2484562	2484820	+	0	NA	intron (N	intron (N	-13902	NM_198216	6628	Hs.83753	NM_003091	ENSG00000	SNRPB	CCMS|COD|	small nuc	protein-coding
chr11-781	4.409936	-1.33577	1.133381	-1.17857	0.238568	0.981636	chr11	78108697	78109354	+	0	NA	intron (N	Charlie13	-29163	NM_001203	1.01E+08	Hs.407860	NM_001203	ENSG00000	NDUFC2-KC	-	NDUFC2-KC	protein-coding
chr4-1455	4.409936	-1.33577	1.133381	-1.17857	0.238568	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	intron (N	L1MC4|LIN	-31481	NR_126371	1.04E+08	Hs.714527	NR_126371	ENSG00000	SMAD1-AS1	-	SMAD1 ant	ncRNA
chr5-6916	4.409936	-1.33577	1.133381	-1.17857	0.238568	0.981636	chr5	69168516	69169305	+	0	NA	intron (N	intron (N	1760	NM_031966	891	Hs.23960	NM_031966	ENSG00000	CCNB1	CCNB	cyclin B1	protein-coding
chr8-1754	4.409936	-1.33577	1.133381	-1.17857	0.238568	0.981636	chr8	17544940	17547168	+	0	NA	intron (N	intron (N	7277	NM_003046	6542	Hs.448520	NM_003046	ENSG00000	SLC7A2	ATRC2|CAT	solute ca	protein-coding
chr9-8633	4.409936	-1.33577	1.133381	-1.17857	0.238568	0.981636	chr9	86332704	86334444	+	0	NA	intron (N	L1MCb|LIN	20836	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr22-416	9.203419	0.92656	0.78633	1.178335	0.238663	0.981636	chr22	41633030	41633693	+	0	NA	intron (N	MER5A|DNA	12066	NM_001288	2547	Hs.292493	NM_001469	ENSG00000	XRCC6	CTC75|CTC	X-ray rep	protein-coding
chr5-1805	9.203419	0.92656	0.78633	1.178335	0.238663	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	non-codin	non-codin	17102	NM_052863	92304	Hs.62492	NM_052863	ENSG00000	SCGB3A1	HIN-1|HIN	secretogl	protein-coding
chr7-1310	5.707614	1.220171	1.035672	1.178144	0.238739	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	18803	NR_024153	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-P	long inte	ncRNA
chr1-1444	10.90533	0.849331	0.720923	1.178116	0.23875	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	11135	NR_104076	1.02E+08		NR_104076	ENSG00000	RNVU1-15	RNU1-121|	RNA, vari	snRNA
chr7-1029	6.351634	-1.12537	0.955282	-1.17805	0.238776	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx3|SI	22294	NM_005824	10234	Hs.567412	NM_005824	ENSG00000	LRRC17	P37NB	leucine r	protein-coding
chr2-8746	7.656985	-1.01381	0.860758	-1.17781	0.238873	0.981636	chr2	87460768	87461588	+	0	NA	intron (N	MIR|SINE|	5751	NR_024206	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|I	cytoskele	ncRNA
chr2-8750	7.656985	-1.01381	0.860758	-1.17781	0.238873	0.981636	chr2	87504221	87504869	+	0	NA	intron (N	intron (N	34595	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|I	cytoskele	ncRNA

chr3-9088	8.007806	0.990106	0.840651	1.177784	0.238883	0.981636	chr3	90888721	90889568	+	0	NA	Intergeni	ALR/Alpha	1781523	NM_182644	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr7-6455	4.425652	-1.34077	1.138571	-1.17759	0.238961	0.981636	chr7	64557362	64558099	+	0	NA	intron (N	AluSz|SIN	5341	NM_178558	340252	Hs.520886	NM_178558	ENSG00000	ZNF680	-	zinc fing	protein-coding
chr19-442	11.02274	0.860348	0.730645	1.177519	0.238988	0.981636	chr19	44273424	44274715	+	0	NA	exon (NM_	exon (NM_	14155	NM_181756	353355	Hs.466891	NM_181756	ENSG00000	ZNF233	-	zinc fing	protein-coding
chr1-1170	7.615845	-1.01818	0.864775	-1.17739	0.239041	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	16507	NM_003594	8458	Hs.32333	NM_003594	ENSG00000	TTF2	HuF2|ZGRF	transcrip	protein-coding
chr14-730	7.615845	-1.01818	0.864775	-1.17739	0.239041	0.981636	chr14	73083914	73084238	+	0	NA	intron (N	AluSx|SIN	25542	NM_021239	58517	Hs.531106	NM_021239	ENSG00000	RBM25	NET52|RED	RNA bindi	protein-coding
chr3-1505	7.615845	-1.01818	0.864775	-1.17739	0.239041	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	17025	NM_032025	83939	Hs.655782	NM_032025	ENSG00000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr4-8028	7.615845	-1.01818	0.864775	-1.17739	0.239041	0.981636	chr4	80286497	80292204	+	0	NA	3’ UTR (N	3’ UTR (N	21085	NM_001291	2250	Hs.37055	NM_004464	ENSG00000	FGF5	HBGF-5|Sm	fibroblas	protein-coding
chr6-8750	7.615845	-1.01818	0.864775	-1.17739	0.239041	0.981636	chr6	87506137	87506520	+	0	NA	intron (N	intron (N	33354	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMP	solute ca	protein-coding
chr8-9107	7.672701	-1.01681	0.863622	-1.17738	0.239045	0.981636	chr8	91073785	91074560	+	0	NA	intron (N	MIRb|SINE	3828	NM_001286	51633	Hs.30532	NM_016023	ENSG00000	OTUD6B	CGI-77|DU	OTU domai	protein-coding
chr2-2239	7.982382	0.985379	0.837625	1.176396	0.239436	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	26509	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|L	mitochond	protein-coding
chr1-2075	8.846775	-0.94753	0.805677	-1.17607	0.239567	0.981636	chr1	20754531	20755470	+	0	NA	intron (N	L1MB7|LIN	-22297	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr11-781	4.940175	1.257208	1.069415	1.175604	0.239753	0.981636	chr11	78193290	78194083	+	0	NA	intron (N	intron (N	4767	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitin	protein-coding
chr14-102	4.940175	1.257208	1.069415	1.175604	0.239753	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	L2a|LINE|	54529	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr1-1237	182.2106	0.343188	0.2921	1.174902	0.240034	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2264529	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-265	15.64575	0.738361	0.628532	1.174738	0.240099	0.981636	chr19	26519309	26519508	+	0	NA	Intergeni	ALR/Alpha	-1274023	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-128	6.377058	-1.11618	0.950651	-1.17412	0.240347	0.981636	chr11	12879195	12879476	+	0	NA	intron (N	intron (N	110213	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr13-110	6.377058	-1.11618	0.950651	-1.17412	0.240347	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	15339	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr14-104	6.377058	-1.11618	0.950651	-1.17412	0.240347	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4577	NM_152328	122622	Hs.592327	NM_152328	ENSG00000	ADSSL1	Adss1|MPD	adenylosu	protein-coding
chr22-420	6.377058	-1.11618	0.950651	-1.17412	0.240347	0.981636	chr22	42088919	42089623	+	0	NA	intron (N	intron (N	1501	NM_002490	4700	Hs.274416	NM_002490	ENSG00000	NDUFA6	B14|CI-B1	NADH:ubic	protein-coding
chr5-4355	6.377058	-1.11618	0.950651	-1.17412	0.240347	0.981636	chr5	43554898	43555155	+	0	NA	intron (N	L1ME3A|LI	2051	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr10-132	6.262907	1.13355	0.965548	1.173996	0.240397	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	8257	NM_001098	170394	Hs.527751	NM_138499	ENSG00000	PWWP2B	PWWP2|bA4	PWWP doma	protein-coding
chr9-1306	6.262907	1.13355	0.965548	1.173996	0.240397	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12424	NR_106915	1.02E+08		NR_106915	ENSG00000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr12-986	7.99024	0.98317	0.837734	1.173607	0.240552	0.981636	chr12	98661001	98661244	+	0	NA	intron (N	AluY|SINE	15822	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr17-820	7.99024	0.98317	0.837734	1.173607	0.240552	0.981636	chr17	82083461	82089842	+	0	NA	intron (N	intron (N	3489	NR_132755	1.07E+08		NR_132755		SNORD134	ZL12	small nuc	snoRNA
chr2-2192	7.99024	0.98317	0.837734	1.173607	0.240552	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	5053	NM_018089	55139	Hs.437647	NM_018089	ENSG00000	ANKZF1	Vms1|ZNF7	ankyrin r	protein-coding
chr16-749	6.17092	1.121859	0.956589	1.17277	0.240888	0.981636	chr16	74928794	74929091	+	0	NA	intron (N	L1MA3|LIN	56181	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr20-623	6.17092	1.121859	0.956589	1.17277	0.240888	0.981636	chr20	62306458	62307049	+	0	NA	intron (N	intron (N	3756	NM_007002	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr6-3357	6.17092	1.121859	0.956589	1.17277	0.240888	0.981636	chr6	33572702	33573155	+	0	NA	3’ UTR (N	3’ UTR (N	7348	NM_001188	578	Hs.485139	NM_001188	ENSG00000	BAK1	BAK|BAK-L	BCL2 anta	protein-coding
chr7-1495	6.17092	1.121859	0.956589	1.17277	0.240888	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	non-codin	non-codin	-51511	NM_152557	155061	Hs.24643	NM_152557	ENSG00000	ZNF746	PARIS	zinc fing	protein-coding
chr1-1485	18.89427	0.661711	0.564335	1.172551	0.240976	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	37900	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr17-384	9.575109	-0.94063	0.802759	-1.17175	0.241299	0.981636	chr17	38471609	38471852	+	0	NA	intron (N	intron (N	43266	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr10-103	7.956959	0.980691	0.837164	1.171444	0.24142	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx1|SI	34037	NM_032727	9118	Hs.500916	NM_032727	ENSG00000	INA	NEF5|NF-6	internexi	protein-coding
chr9-1229	7.956959	0.980691	0.837164	1.171444	0.24142	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	Intergeni	L1M4c|LIN	-4247	NM_012197	23637	Hs.271341	NM_012197	ENSG00000	RABGAP1	GAPCENA|T	RAB GTPas	protein-coding
chr9-1274	7.956959	0.980691	0.837164	1.171444	0.24142	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	AluY|SINE	33210	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr3-5662	6.410339	-1.10888	0.946758	-1.17124	0.241502	0.981636	chr3	56627966	56628165	+	0	NA	intron (N	intron (N	35981	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr6-2272	6.410339	-1.10888	0.946758	-1.17124	0.241502	0.981636	chr6	22723161	22723360	+	0	NA	Intergeni	MLT1H2-in	-5336	NR_134613	1.05E+08	Hs.484889	NR_134613		LOC105374	-	uncharact	ncRNA
chr9-1003	6.410339	-1.10888	0.946758	-1.17124	0.241502	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	intron (N	39772	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chrX-7426	6.410339	-1.10888	0.946758	-1.17124	0.241502	0.981636	chrX	74269300	74269565	+	0	NA	intron (N	intron (N	17777	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|h	microRNA	ncRNA
chr12-122	6.997064	1.114477	0.951679	1.171064	0.241573	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	6433	NM_001243	23457	Hs.511951	NM_019624	ENSG00000	ABCB9	EST122234	ATP bindi	protein-coding
chr17-471	6.912935	1.101027	0.940236	1.171012	0.241594	0.981636	chr17	47163903	47164102	+	0	NA	intron (N	AluSq2|SI	25293	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr11-689	7.442805	1.034083	0.883191	1.170849	0.24166	0.981636	chr11	68907383	68907582	+	0	NA	intron (N	intron (N	3631	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr21-465	7.442805	1.034083	0.883191	1.170849	0.24166	0.981636	chr21	46560699	46561194	+	0	NA	intron (N	intron (N	44136	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr7-1521	7.442805	1.034083	0.883191	1.170849	0.24166	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	26106	NM_001371474								
chr1-9326	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr1	93265173	93266282	+	0	NA	intron (N	L1PA5|LIN	80084	NR_034089	1E+08	Hs.732666	NR_034089		CCDC18-AS	-	CCDC18 ar	ncRNA
chr1-1197	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	24469	NM_006623	26227	Hs.487296	NM_006623	ENSG00000	PHGDH	3-PGDH|3P	phosphogl	protein-coding
chr12-269	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr12	26916371	26917230	+	0	NA	intron (N	intron (N	21181	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr17-301	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr17	30131047	30131513	+	0	NA	intron (N	HAL1b|LIN	-14120	NR_036149	1E+08		NR_036149	ENSG00000	MIR3184	-	microRNA	ncRNA
chr19-232	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr19	23246387	23247012	+	0	NA	intron (N	intron (N	3695	NM_001355	440519	Hs.675814	NM_001355	ENSG00000	ZNF724	ZNF724P	zinc fing	protein-coding
chr7-4203	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr7	42034921	42035450	+	0	NA	intron (N	intron (N	202024	NM_000168	2737	Hs.21509	NM_000168	ENSG00000	GLI3	ACLS|GCPS	GLI famil	protein-coding
chr8-9727	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr8	9727542	9727998	+	0	NA	intron (N	intron (N	-13902	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr8-3076	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr8	30760186	30760810	+	0	NA	intron (N	FLAM_C|SI	16333	NM_001282	7993	Hs.153678	NM_005671	ENSG00000	UBXN8	D8S2298E|	UBX domai	protein-coding
chr9-2719	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr9	27192781	27194186	+	0	NA	intron (N	intron (N	84342	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GI	TEK recep	protein-coding
chr9-9545	4.402078	-1.33334	1.138824	-1.1708	0.241679	0.981636	chr9	95458241	95458877	+	0	NA	intron (N	intron (N	-5050	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr6-1437	8.025372	0.997296	0.85207	1.170439	0.241824	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	71284	NM_001100	9749	Hs.102471	NM_014721	ENSG00000	PHACTR2	C6orf56	phosphata	protein-coding
chr15-409	10.16784	-0.88955	0.76007	-1.17035	0.241861	0.981636	chr15	40954227	40954813	+	0	NA	intron (N	MER5A1|DN	1049	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr2-7143	6.163062	1.124759	0.96135	1.169979	0.24201	0.981636	chr2	71438037	71438254	+	0	NA	Intergeni	L1MC5|LIN	-15416	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LG	dysferlin	protein-coding
chr1-1229	14.92915	0.731857	0.625559	1.169926	0.242031	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1410561	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-348	7.582564	-1.02418	0.875717	-1.16953	0.242189	0.981636	chr14	34825029	34825263	+	0	NA	intron (N	intron (N	-49045	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr14-696	7.582564	-1.02418	0.875717	-1.16953	0.242189	0.981636	chr14	69642174	69642461	+	0	NA	intron (N	L1MEc|LIN	30721	NM_014734	9766	Hs.440025	NM_014734	ENSG00000	SUSD6	DRAGO|KIA	sushi dom	protein-coding
chr20-276	14.33457	0.754838	0.645466	1.169448	0.242223	0.981636	chr20	27697680	27698262	+	0	NA	Intergeni	ALR/Alpha	904694	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4956	114.739	0.359261	0.307263	1.169231	0.24231	0.981636	chr5	49563536	49563756	+	0	NA	Intergeni	ALR/Alpha	877642	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-7518	10.58816	-0.8546	0.730967	-1.16913	0.242351	0.981636	chr6	75185759	75192211	+	0	NA	intron (N	intron (N	17068	NM_080645	1303	Hs.101302	NM_004370	ENSG00000	COL12A1	BA209D8.1	collagen	protein-coding
chr1-2344	7.964817	0.978483	0.837273	1.168655	0.242542	0.981636	chr1	23440956	23442412	+	0	NA	exon (NM_	exon (NM_	-16936	NM_003196	6920	Hs.446354	NM_003196	ENSG00000	TCEA3	TFIIS|TFI	transcrip	protein-coding
chr11-569	7.964817	0.978483	0.837273	1.168655	0.242542	0.981636	chr11	5696281	5697049	+	0	NA	intron (N	intron (N	6875	NM_006074	10346	Hs.501778	NM_006074	ENSG00000	TRIM22	GPSTAF50|	tripartit	protein-coding
chr11-117	7.964817	0.978483	0.837273	1.168655	0.242542	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSx1|SI	6221	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr12-110	7.964817	0.978483	0.837273	1.168655	0.242542	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L2a|LINE|	-76623	NM_001681	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr2-3956	7.964817	0.978483	0.837273	1.168655	0.242542	0.981636	chr2	39562458	39563314	+	0	NA	intron (N	L1MA4A|LI	-102612	NM_001167	130733	Hs.40808	NM_152390	ENSG00000	TMEM178A	TMEM178	transmemb	protein-coding
chr12-532	4.43536	-1.3224	1.132127	-1.16806	0.242781	0.981636	chr12	53281339	53282572	+	0	NA	intron (N	MIRc|SINE	-13496	NM_145897	5204	Hs.655327	NM_002624	ENSG00000	PFDN5	MM-1|MM1|	prefoldin	protein-coding
chr19-578	4.43536	-1.3224	1.132127	-1.16806	0.242781	0.981636	chr19	57827540	57827992	+	0	NA	promoter-	promoter-	-304	NR_024162	2282	Hs.720356	NR_024162		FKBP1AP1	FKBP12|FK	FKBP prol	pseudo
chr2-1118	4.43536	-1.3224	1.132127	-1.16806	0.242781	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	17990	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr7-1436	4.43536	-1.3224	1.132127	-1.16806	0.242781	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (N	L2a|LINE|	4646	NM_173678	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chrX-1543	4.43536	-1.3224	1.132127	-1.16806	0.242781	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	26197	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr19-264	37.73659	0.502577	0.430301	1.167967	0.24282	0.981636	chr19	26410371	26411312	+	0	NA	Intergeni	ALR/Alpha	-1382590	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-1037	9.236701	0.928716	0.795512	1.167444	0.243031	0.981636	chr5	10376313	10376851	+	0	NA	intron (N	SSU-rRNA_	22887	NM_001270	10299	Hs.432862	NM_005885	ENSG00000	6-Mar	DOA10|MAR	membrane	protein-coding
chr3-1883	4.451075	-1.32727	1.13732	-1.16701	0.243205	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	117326	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr22-386	34.54383	0.5598	0.47972	1.16693	0.243239	0.981636	chr22	38644317	38644580	+	0	NA	intron (N	L1MC1|LIN	11944	NM_001013	646851	Hs.542707	NM_001013	ENSG00000	FAM227A	-	family wi	protein-coding
chr8-6162	10.5803	-0.85346	0.731606	-1.16656	0.24339	0.981636	chr8	61628744	61632185	+	0	NA	intron (N	intron (N	59347	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr17-467	9.725431	0.887508	0.760843	1.16648	0.24342	0.981636	chr17	46705372	46705683	+	0	NA	intron (N	intron (N	113165	NM_030753	7473	Hs.445884	NM_030753	ENSG00000	WNT3	INT4|TETA	Wnt famil	protein-coding
chr17-119	7.949101	0.982932	0.842876	1.166165	0.243548	0.981636	chr17	11983471	11984143	+	0	NA	intron (N	MIRb|SINE	13565	NM_144680	7566	Hs.370473	NM_144680	ENSG00000	ZNF18	HDSG1|KOX	zinc fing	protein-coding
chr1-2433	9.717573	0.889316	0.762715	1.165988	0.243619	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-37914	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr3-1899	8.78807	-0.95925	0.822773	-1.16588	0.243663	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSp|SIN	127761	NM_018192	55214	Hs.374191	NM_018192	ENSG00000	P3H2	LEPREL1|M	prolyl 3-	protein-coding
chr1-1245	31.08009	0.536094	0.459876	1.165738	0.24372	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2995430	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1494	17.17665	0.68498	0.587622	1.16568	0.243744	0.981636	chr1	1.49E+08	1.5E+08	+	0	NA	intron (N	intron (N	42816	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr5-1385	7.607987	-1.01657	0.872639	-1.16494	0.244045	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	1107	NM_001291	2107	Hs.483494	NM_004730	ENSG00000	ETF1	D5S1995|E	eukaryoti	protein-coding
chr12-113	4.948033	1.253327	1.076308	1.164469	0.244234	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-13512	NR_106820	1.02E+08		NR_106820	ENSG00000	MIR6762	hsa-mir-6	microRNA	ncRNA
chr15-436	4.948033	1.253327	1.076308	1.164469	0.244234	0.981636	chr15	43661528	43661835	+	0	NA	intron (N	intron (N	-12797	NM_001282	117155	Hs.657395	NM_054020	ENSG00000	CATSPER2	-	cation ch	protein-coding
chr2-1717	4.948033	1.253327	1.076308	1.164469	0.244234	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	101929	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr13-521	7.641269	-1.0106	0.868293	-1.16389	0.244468	0.981636	chr13	52175557	52175756	+	0	NA	non-codin	non-codin	-15795	NM_001146	4752	Hs.409989	NM_002498	ENSG00000	NEK3	HSPK36	NIMA rela	protein-coding
chr4-1696	7.641269	-1.0106	0.868293	-1.16389	0.244468	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	29080	NM_001243	1182	Hs.481186	NM_001829	ENSG00000	CLCN3	CLC3|ClC-	chloride	protein-coding
chr2-1280	6.178778	1.118823	0.9613	1.163864	0.244479	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	Tigger3c|	25686	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr10-740	8.872199	-0.94105	0.808638	-1.16374	0.244528	0.981636	chr10	74007108	74007924	+	0	NA	intron (N	AluSz|SIN	9400	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr19-575	13.15282	0.767009	0.659561	1.162907	0.244867	0.981636	chr19	57588754	57591975	+	0	NA	exon (NM_	exon (NM_	6219	NM_001321	284307	Hs.454830	NM_001010	ENSG00000	ZIK1	ZNF762	zinc fing	protein-coding
chr11-472	7.931535	0.975994	0.839277	1.162899	0.24487	0.981636	chr11	47219332	47219753	+	0	NA	intron (N	AluJr|SIN	4600	NM_001300	1643	Hs.700338	NM_000107	ENSG00000	DDB2	DDBB|UV-D	damage sp	protein-coding
chr7-1587	7.931535	0.975994	0.839277	1.162899	0.24487	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	Tigger3a|	-33989	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr6-8908	7.998098	0.980957	0.843672	1.162723	0.244942	0.981636	chr6	89082514	89082943	+	0	NA	intron (N	intron (N	1977	NM_006813	10957	Hs.75969	NM_006813	ENSG00000	PNRC1	B4-2|PNAS	proline r	protein-coding
chr2-9255	22.8164	0.611746	0.526214	1.162542	0.245015	0.981636	chr2	92550084	92550747	+	0	NA	Intergeni	ALR/Alpha	609282	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr3-7099	4.376654	-1.34733	1.159149	-1.16235	0.245094	0.981636	chr3	70993514	70993875	+	0	NA	intron (N	intron (N	71230	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr7-3583	8.410742	-0.99258	0.853976	-1.1623	0.245113	0.981636	chr7	35834466	35834668	+	0	NA	intron (N	intron (N	33348	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr12-124	9.700007	0.883571	0.760272	1.162178	0.245163	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	CpG	-80001	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr5-8044	8.921197	-0.93864	0.807755	-1.16204	0.245219	0.981636	chr5	80443522	80443887	+	0	NA	intron (N	intron (N	35640	NM_001105	9765	Hs.482660	NM_014733	ENSG00000	ZFYVE16	PPP1R69	zinc fing	protein-coding
chr16-701	9.692149	0.885367	0.762144	1.16168	0.245366	0.981636	chr16	70160408	70161128	+	0	NA	3’ UTR (N	3’ UTR (N	12680	NR_126007	400541	Hs.461183	NR_126007	ENSG00000	LOC400541	-	uncharact	ncRNA
chr16-309	6.343776	-1.12363	0.967519	-1.16135	0.245499	0.981636	chr16	30940923	30941125	+	0	NA	intron (N	intron (N	-8044	NM_152288	93129	Hs.745104	NM_152288	ENSG00000	ORAI3	TMEM142C	ORAI calc	protein-coding
chrX-2407	6.343776	-1.12363	0.967519	-1.16135	0.245499	0.981636	chrX	2407704	2407903	+	0	NA	intron (N	L1PB4|LIN	92736	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr8-3078	5.163693	-1.25385	1.079659	-1.16134	0.245506	0.981636	chr8	30783731	30784028	+	0	NA	Intergeni	AluJo|SIN	28939	NM_001009	5516	Hs.491440	NM_004156	ENSG00000	PPP2CB	PP2Abeta|	protein p	protein-coding
chr14-309	10.57244	-0.85232	0.733926	-1.16131	0.245515	0.981636	chr14	30924687	30924957	+	0	NA	intron (N	AluJb|SIN	-35014	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr9-5685	11.42734	0.820137	0.706609	1.160666	0.245778	0.981636	chr9	5685197	5685783	+	0	NA	intron (N	L1PA2|LIN	56371	NM_001206	57589	Hs.211520	NM_020829	ENSG00000	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr13-453	13.55447	-0.75743	0.652595	-1.16065	0.245786	0.981636	chr13	45335559	45340528	+	0	NA	promoter-	promoter-	-434	NR_002967	677814	Hs.374596	NR_002967	ENSG00000	SNORA31	ACA31|SNO	small nuc	snoRNA
chr6-2644	5.006739	1.263781	1.089087	1.160404	0.245884	0.981636	chr6	26444357	26446231	+	0	NA	intron (N	LTR33|LTR	4790	NM_006994	10384	Hs.167741	NM_006994	ENSG00000	BTN3A3	BTF3|BTN3	butyrophi	protein-coding
chr11-125	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluYe5|SI	14018	NM_001274	1111	Hs.24529	NM_001274	ENSG00000	CHEK1	CHK1	checkpoin	protein-coding
chr15-769	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr15	76944669	76945071	+	0	NA	intron (N	L1MA2|LIN	13121	NM_002902	5955	Hs.79088	NM_002902	ENSG00000	RCN2	E6BP|ERC-	reticuloc	protein-coding
chr16-247	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr16	24753160	24753785	+	0	NA	intron (N	intron (N	23821	NM_014494	27327	Hs.655057	NM_014494	ENSG00000	TNRC6A	CAGH26|FA	trinucleo	protein-coding
chr2-1380	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr2	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	37711	NM_001024	3176	Hs.42151	NM_006895	ENSG00000	HNMT	HMT|HNMT-	histamine	protein-coding
chr20-324	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr20	32443468	32444540	+	0	NA	3’ UTR (N	3’ UTR (N	39486	NM_001351	140688	Hs.516978	NM_080616	ENSG00000	NOL4L	C20orf112	nucleolar	protein-coding
chr3-3850	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr3	38508916	38509415	+	0	NA	intron (N	intron (N	12825	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endon	protein-coding
chr6-1175	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	49124	NM_001366	285761	Hs.658304	NM_173674	ENSG00000	DCBLD1	dJ94G16.1	discoidin	protein-coding
chr7-1308	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	Intergeni	5242	NR_029503	407021		NR_029503	ENSG00000	MIR29A	MIRN29|MI	microRNA	ncRNA
chr9-3660	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr9	36606893	36609729	+	0	NA	intron (N	MER44A|DN	35416	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr9-1041	4.427502	-1.31984	1.137566	-1.16023	0.245956	0.981636	chr9	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	38797	NM_001042	10592	Hs.119023	NM_006444	ENSG00000	SMC2	CAP-E|CAP	structura	protein-coding
chr1-2306	7.939393	0.973777	0.839385	1.160107	0.246005	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	22051	NM_000029	183	Hs.19383	NM_000029	ENSG00000	AGT	ANHU|SERP	angiotens	protein-coding
chr11-108	7.939393	0.973777	0.839385	1.160107	0.246005	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	113367	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr16-301	7.939393	0.973777	0.839385	1.160107	0.246005	0.981636	chr16	30106922	30108645	+	0	NA	intron (N	AluSx1|SI	5754	NM_024307	79153	Hs.289015	NM_024307	ENSG00000	GDPD3	GDE7	glyceroph	protein-coding
chr3-4330	7.939393	0.973777	0.839385	1.160107	0.246005	0.981636	chr3	43308237	43308479	+	0	NA	intron (N	Tigger1|D	21818	NM_017719	54861	Hs.476052	NM_017719	ENSG00000	SNRK	HSNFRK	SNF relat	protein-coding
chr3-1111	6.402481	-1.10688	0.955117	-1.15889	0.2465	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	41890	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding

chr4-7612	6.402481	-1.10688	0.955117	-1.15889	0.2465	0.981636	chr4	76123945	76124548	+	0	NA	intron (N	L1MEj|LIN	24151	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr4-8807	6.751637	1.055844	0.911216	1.15872	0.24657	0.981636	chr4	88074880	88075672	+	0	NA	intron (N	intron (N	67641	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr1-1544	13.21939	0.770392	0.665015	1.158459	0.246677	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	MLT1H1|LT	-29633	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr17-758	6.21206	1.121632	0.968737	1.15783	0.246933	0.981636	chr17	75820387	75821192	+	0	NA	intron (N	intron (N	23928	NM_199242	201294	Hs.41045	NM_199242	ENSG00000	UNC13D	FHL3|HLH3	unc-13 ho	protein-coding
chr19-574	6.21206	1.121632	0.968737	1.15783	0.246933	0.981636	chr19	57469837	57470241	+	0	NA	3’ UTR (N	3’ UTR (N	7527	NM_001144	400720	Hs.388810	NM_001024	ENSG00000	ZNF772	-	zinc fing	protein-coding
chr22-204	6.21206	1.121632	0.968737	1.15783	0.246933	0.981636	chr22	20464434	20465430	+	0	NA	exon (NM_	exon (NM_	-27107	NM_182895	91179	Hs.474251	NM_153334	ENSG00000	SCARF2	NSR1|SREC	scavenger	protein-coding
chr1-1602	7.972674	0.976235	0.843211	1.157759	0.246962	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-18308	NR_123725	729867	Hs.674191	NR_123725	ENSG00000	LOC729867	-	uncharact	ncRNA
chr1-2239	7.972674	0.976235	0.843211	1.157759	0.246962	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	MIRb|SINE	19267	NR_132119	441124	Hs.520589	NR_132119		GTF2IP20	-	general t	pseudo
chr17-291	7.972674	0.976235	0.843211	1.157759	0.246962	0.981636	chr17	29113094	29113323	+	0	NA	intron (N	intron (N	27181	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr19-438	7.972674	0.976235	0.843211	1.157759	0.246962	0.981636	chr19	43872412	43874032	+	0	NA	exon (NM_	exon (NM_	6914	NM_001033	342908	Hs.76561	NM_001033	ENSG00000	ZNF404	-	zinc fing	protein-coding
chr5-3781	7.972674	0.976235	0.843211	1.157759	0.246962	0.981636	chr5	37814182	37815857	+	0	NA	3’ UTR (N	3’ UTR (N	19803	NM_001278	2668	Hs.248114	NM_000514	ENSG00000	GDNF	ATF|ATF1|	glial cel	protein-coding
chr22-395	9.349371	-0.8973	0.775338	-1.1573	0.247152	0.981636	chr22	39529655	39530437	+	0	NA	intron (N	intron (N	2702	NR_130151	91582	Hs.526933	NM_194326	ENSG00000	RPS19BP1	AROS|S19B	ribosomal	protein-coding
chr14-775	6.3692	-1.11425	0.962813	-1.15728	0.247157	0.981636	chr14	77552082	77552361	+	0	NA	exon (NM_	exon (NM_	-53405	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr12-106	4.39422	-1.33089	1.150085	-1.15721	0.247188	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	-9443	NR_040246	1E+08	Hs.742087	NR_040246	ENSG00000	LOC100287	-	uncharact	ncRNA
chr12-112	4.39422	-1.33089	1.150085	-1.15721	0.247188	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-14029	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr14-549	4.39422	-1.33089	1.150085	-1.15721	0.247188	0.981636	chr14	54954637	54955116	+	0	NA	intron (N	AluSp|SIN	-52050	NM_001024	2643	Hs.86724	NM_000161	ENSG00000	GCH1	DYT14|DYT	GTP cyclo	protein-coding
chr17-441	4.39422	-1.33089	1.150085	-1.15721	0.247188	0.981636	chr17	44148533	44148779	+	0	NA	exon (NM_	exon (NM_	6726	NM_024032	78995	Hs.437059	NM_024032	ENSG00000	C17orf53	-	chromosom	protein-coding
chr16-683	11.40977	0.815207	0.704644	1.156906	0.247311	0.981636	chr16	68338970	68341783	+	0	NA	intron (N	L1ME4b|LI	29262	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr1-1717	9.707865	0.881775	0.762487	1.156445	0.247499	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	9561	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr11-122	5.648724	-1.14941	0.994519	-1.15574	0.247787	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	non-codin	non-codin	455	NR_137195	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr13-274	5.648724	-1.14941	0.994519	-1.15574	0.247787	0.981636	chr13	27436079	27437032	+	0	NA	TTS (NM_0	TTS (NM_0	11936	NM_002097	2971	Hs.445977	NM_002097	ENSG00000	GTF3A	AP2|TFIII	general t	protein-coding
chr8-6152	5.648724	-1.14941	0.994519	-1.15574	0.247787	0.981636	chr8	61523389	61524315	+	0	NA	intron (N	AluJr|SIN	165959	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr17-178	6.726214	1.050363	0.909279	1.15516	0.248025	0.981636	chr17	17896203	17897415	+	0	NA	intron (N	Tigger15a	-59798	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr17-422	6.726214	1.050363	0.909279	1.15516	0.248025	0.981636	chr17	42218075	42218917	+	0	NA	intron (N	intron (N	-24002	NM_001142	84514	Hs.38039	NM_032484	ENSG00000	GHDC	D11LGP1|I	GH3 domai	protein-coding
chrX-5364	6.726214	1.050363	0.909279	1.15516	0.248025	0.981636	chrX	53646375	53647032	+	0	NA	intron (N	intron (N	40016	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr4-1266	9.306382	-0.91073	0.788539	-1.15495	0.24811	0.981636	chr4	126668	127120	+	0	NA	intron (N	AluSc5|SI	-1227	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr1-1227	89.12074	0.375943	0.325592	1.154643	0.248237	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1222498	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-649	11.41763	0.813692	0.704847	1.154424	0.248327	0.981636	chr15	64976169	64976393	+	0	NA	intron (N	AluSz|SIN	13189	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr11-646	9.666726	0.881418	0.763556	1.15436	0.248353	0.981636	chr11	6463703	6464959	+	0	NA	intron (N	L2c|LINE|	9610	NM_033278	10612	Hs.591992	NM_006458	ENSG00000	TRIM3	BERP|HAC1	tripartit	protein-coding
chr16-275	7.476086	1.036421	0.898375	1.153662	0.248639	0.981636	chr16	27517303	27517594	+	0	NA	intron (N	intron (N	32465	NM_001520	2975	Hs.371718	NM_001520	ENSG00000	GTF3C1	TFIIIC|TF	general t	protein-coding
chr19-262	65.82624	0.407636	0.353437	1.153348	0.248768	0.981636	chr19	26203861	26204067	+	0	NA	Intergeni	ALR/Alpha	-1589467	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-2354	11.45091	0.815577	0.707225	1.153208	0.248825	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSx1|SI	10744	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr5-5598	9.341514	-0.89602	0.777137	-1.15298	0.248918	0.981636	chr5	55980018	55982363	+	0	NA	intron (N	intron (N	13773	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr7-1028	9.341514	-0.89602	0.777137	-1.15298	0.248918	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA4|LIN	78857	NM_001145	222234	Hs.202543	NM_147194	ENSG00000	FAM185A	-	family wi	protein-coding
chr17-649	9.111432	0.917809	0.796035	1.152976	0.24892	0.981636	chr17	64971890	64972212	+	0	NA	intron (N	AluJb|SIN	3534	NR_026903	201283	Hs.396447	NM_153032	ENSG00000	AMZ2P1	-	archaelys	pseudo
chr14-225	6.145497	1.115742	0.967839	1.152818	0.248985	0.981636	chr14	22586639	22587040	+	0	NA	intron (N	intron (N	2385	NM_001344	1603	Hs.82890	NM_001344	ENSG00000	DAD1	OST2	defender	protein-coding
chr7-7602	6.145497	1.115742	0.967839	1.152818	0.248985	0.981636	chr7	76024183	76024485	+	0	NA	intron (N	intron (N	6190	NM_001317	51657	Hs.11615	NM_016086	ENSG00000	STYXL1	DUSP24|MK	serine/th	protein-coding
chr10-998	5.6233	-1.15976	1.006228	-1.15258	0.249081	0.981636	chr10	99889986	99890483	+	0	NA	intron (N	Tigger19b	23858	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr1-1490	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	63045	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2063	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-77517	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr1-2113	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	MLT1N2|LT	9806	NR_026761	84791	Hs.523932	NM_032705		LINC00467	C1orf97	long inte	ncRNA
chr11-613	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr11	61352126	61354288	+	0	NA	3’ UTR (N	3’ UTR (N	4107	NM_001161	220002	Hs.22546	NM_153611	ENSG00000	CYB561A3	CYBASC3|L	cytochrom	protein-coding
chr14-677	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr14	67750964	67753240	+	0	NA	intron (N	intron (N	50216	NM_152443	145226	Hs.415322	NM_152443	ENSG00000	RDH12	LCA13|RP5	retinol d	protein-coding
chr15-744	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr15	74445335	74449229	+	0	NA	intron (N	intron (N	-13324	NM_001146	8482	Hs.24640	NM_003612	ENSG00000	SEMA7A	CD108|CDw	semaphori	protein-coding
chr2-3235	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr2	32358443	32358770	+	0	NA	intron (N	intron (N	1578	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-1017	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	THE1D|LTR	25458	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr2-1772	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSp|SIN	7514	NR_036075	1E+08		NR_036075	ENSG00000	MIR3128	mir-3128	microRNA	ncRNA
chr9-1129	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	5’ UTR (N	5’ UTR (N	13132	NM_001101	169834	Hs.192877	NM_001101	ENSG00000	ZNF883	-	zinc fing	protein-coding
chr9-1163	6.734072	1.047729	0.909309	1.152225	0.249229	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	MIR3|SINE	21858	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr9-4708	6.443621	-1.10117	0.956164	-1.15165	0.249463	0.981636	chr9	4708629	4708828	+	0	NA	TTS (NM_0	TTS (NM_0	17499	NM_001199	50808	Hs.732022	NM_016282	ENSG00000	AK3	AK3L1|AK6	adenylate	protein-coding
chr1-6661	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr1	66615658	66616084	+	0	NA	intron (N	intron (N	-12569	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr10-685	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr10	68573114	68574878	+	0	NA	exon (NM_	exon (NM_	13659	NM_030625	80312	Hs.258855	NM_030625	ENSG00000	TET1	CXXC6|LCX	tet methy	protein-coding
chr11-117	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-7393	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr11-118	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	TTS (NM_0	TTS (NM_0	14444	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr15-306	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr15	30635024	30637991	+	0	NA	intron (N	intron (N	-9608	NR_038253	1E+08	Hs.668950	NR_038253	ENSG00000	LOC100288	-	OTU deubi	pseudo
chr18-741	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr18	74154663	74155120	+	0	NA	intron (N	intron (N	6368	NM_014177	29090	Hs.532835	NM_014177	ENSG00000	TIMM21	C18orf55|	transloca	protein-coding
chr2-8746	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr2	87462909	87463661	+	0	NA	intron (N	intron (N	-6665	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr2-1328	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-60810	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-1612	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	Charlie1a	-30382	NR_110163	1.01E+08	Hs.660929	NR_110163	ENSG00000	LINC01806	-	long inte	ncRNA
chr3-1795	5.640866	-1.14743	0.996403	-1.15157	0.249499	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	13748	NM_004301	86	Hs.435326	NM_004301	ENSG00000	ACTL6A	ACTL6|ARP	actin lik	protein-coding
chr1-1243	40.82595	0.505091	0.438658	1.151446	0.249549	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2857755	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-3608	8.100876	-0.96342	0.836706	-1.15144	0.249549	0.981636	chr9	36081079	36081367	+	0	NA	intron (N	L2c|LINE|	44310	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversion	protein-coding
chr1-1510	10.89562	0.842399	0.731852	1.151052	0.249711	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	10286	NR_130135	58497	Hs.78524	NM_021222	ENSG00000	PRUNE1	DRES-17|D	prune exo	protein-coding
chr20-254	4.981315	1.256459	1.09168	1.15094	0.249757	0.981636	chr20	25454076	25454565	+	0	NA	intron (N	intron (N	46637	NR_134574	9837	Hs.658464	NM_021067	ENSG00000	GINS1	IMD55|PSF	GINS comp	protein-coding
chr10-131	8.118442	-0.95502	0.829903	-1.15076	0.249831	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	5’ UTR (N	5’ UTR (N	11395	NM_001291	55844	Hs.380372	NM_018461	ENSG00000	PPP2R2D	B55D|B55d	protein p	protein-coding
chr15-504	8.118442	-0.95502	0.829903	-1.15076	0.249831	0.981636	chr15	50498964	50500600	+	0	NA	TTS (NM_2	TTS (NM_2	46884	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr3-1054	8.118442	-0.95502	0.829903	-1.15076	0.249831	0.981636	chr3	1.05E+08	1.05E+08	+	0	NA	intron (N	L1PB1|LIN	36572	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr9-1055	8.467598	-0.99082	0.861047	-1.15071	0.249852	0.981636	chr9	1.06E+08	1.06E+08	+	0	NA	intron (N	L1P2|LINE	-3021	NR_104269	26134	Hs.113150	NR_104269	ENSG00000	RALGAPA1P	GARNL2|GA	Ral GTPas	pseudo
chr13-114	8.126299	-0.95647	0.831254	-1.15063	0.249884	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	26634	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr17-676	8.126299	-0.95647	0.831254	-1.15063	0.249884	0.981636	chr17	6763695	6763971	+	0	NA	intron (N	intron (N	7787	NM_001353	54739	Hs.441975	NM_017523	ENSG00000	XAF1	BIRC4BP|H	XIAP asso	protein-coding
chr7-1280	8.126299	-0.95647	0.831254	-1.15063	0.249884	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	11363	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr17-156	9.382653	-0.89265	0.775994	-1.15032	0.25001	0.981636	chr17	15642128	15642461	+	0	NA	intron (N	Chap1_Mam	-22590	NM_001282	374286	Hs.548021	NM_006382	ENSG00000	CDRT1	C17ORF1|C	CMT1A dup	protein-coding
chr7-1128	4.92446	1.264706	1.10029	1.14943	0.250379	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (N	THE1C-int	55428	NM_152556	154743	Hs.489734	NM_152556	ENSG00000	BMT2	C7orf60|S	base meth	protein-coding
chr1-2065	7.947251	0.971483	0.845346	1.149214	0.250468	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	12981	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr1-2466	7.947251	0.971483	0.845346	1.149214	0.250468	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	-70146	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr15-456	7.947251	0.971483	0.845346	1.149214	0.250468	0.981636	chr15	45661799	45663623	+	0	NA	intron (N	intron (N	27682	NM_021199	58472	Hs.511251	NM_021199	ENSG00000	SQOR	CGI-44|PR	sulfide q	protein-coding
chr6-4344	7.947251	0.971483	0.845346	1.149214	0.250468	0.981636	chr6	43443888	43444548	+	0	NA	exon (NM_	exon (NM_	9676	NR_106894	1.02E+08		NR_106894	ENSG00000	MIR6780B	hsa-mir-6	microRNA	ncRNA
chr10-315	9.374795	-0.89138	0.775814	-1.14896	0.250574	0.981636	chr10	31514483	31515244	+	0	NA	intron (N	intron (N	-115108	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr1-3279	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr1	32792961	32794160	+	0	NA	intron (N	AluJb|SIN	-23882	NM_001256	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr2-6397	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr2	63975299	63975498	+	0	NA	intron (N	LTR8|LTR|	44030	NM_016516	51542	Hs.48499	NM_016516	ENSG00000	VPS54	HCC8|PPP1	VPS54 sub	protein-coding
chr5-6616	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr5	66166124	66166731	+	0	NA	intron (N	intron (N	21592	NM_139168	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr5-1284	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	92948	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr5-1772	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	33458	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr7-8719	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr7	87198171	87198370	+	0	NA	intron (N	intron (N	21462	NM_024315	79161	Hs.619593	NM_024315	ENSG00000	TMEM243	C7orf23|M	transmemb	protein-coding
chr8-1710	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr8	17103922	17104681	+	0	NA	intron (N	intron (N	-52181	NM_016353	51201	Hs.728241	NM_016353	ENSG00000	ZDHHC2	DHHC2|ZNF	zinc fing	protein-coding
chr8-1033	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	TTS (NR_1	TTS (NR_1	24715	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr9-1150	6.887512	-1.03456	0.90049	-1.14889	0.250603	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	Charlie4z	30634	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|D	tenascin	protein-coding
chr13-110	9.390511	-0.8939	0.778154	-1.14875	0.25066	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	47227	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr11-126	7.60013	-1.0149	0.883549	-1.14867	0.250693	0.981636	chr11	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	-44329	NR_046986	1.01E+08	Hs.319053	NR_046986	ENSG00000	KIRREL3-A	-	KIRREL3 a	ncRNA
chr17-601	9.741147	0.883915	0.769519	1.148658	0.250697	0.981636	chr17	60192383	60192839	+	0	NA	intron (N	AluSq|SIN	39034	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Caj	ncRNA
chr2-2248	5.615442	-1.15779	1.008154	-1.14843	0.250792	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	MER63B|DN	91267	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr2-2350	6.862088	-1.04286	0.90814	-1.14834	0.250827	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	4033	NM_001371306								
chr3-4996	6.862088	-1.04286	0.90814	-1.14834	0.250827	0.981636	chr3	49962638	49962837	+	0	NA	intron (N	intron (N	22587	NM_001349	10180	Hs.696735	NM_005777	ENSG00000	RBM6	3G2|DEF-3	RNA bindi	protein-coding
chr8-6058	6.862088	-1.04286	0.90814	-1.14834	0.250827	0.981636	chr8	60581666	60582485	+	0	NA	intron (N	AluJr4|SI	65088	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr1-2096	6.718356	1.053072	0.917066	1.148305	0.250843	0.981636	chr1	20960271	20960592	+	0	NA	intron (N	AluSx1|SI	28001	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr1-2354	6.718356	1.053072	0.917066	1.148305	0.250843	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	34243	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr5-1264	7.913969	0.969003	0.844151	1.147902	0.251009	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	1548	NM_001146	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr6-1116	7.913969	0.969003	0.844151	1.147902	0.251009	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-68221	NM_001164	10758	Hs.561514	NM_147200	ENSG00000	TRAF3IP2	ACT1|C6or	TRAF3 int	protein-coding
chr1-1840	6.70079	1.044898	0.910576	1.147513	0.251169	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	MLT1F1|LT	34895	NM_001127	116461	Hs.548197	NM_052965	ENSG00000	TSEN15	C1orf19|F	tRNA spli	protein-coding
chr12-950	6.70079	1.044898	0.910576	1.147513	0.251169	0.981636	chr12	95066265	95067128	+	0	NA	intron (N	Charlie1|	6922	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr17-450	6.70079	1.044898	0.910576	1.147513	0.251169	0.981636	chr17	45030260	45031445	+	0	NA	intron (N	intron (N	20780	NM_001288	79877	Hs.463148	NM_024819	ENSG00000	DCAKD	-	dephospho	protein-coding
chr20-316	6.70079	1.044898	0.910576	1.147513	0.251169	0.981636	chr20	31681098	31681333	+	0	NA	intron (N	L2a|LINE|	-40292	NR_131907	1.03E+08		NR_131907	ENSG00000	ABALON	INXS	apoptotic	ncRNA
chr22-390	6.70079	1.044898	0.910576	1.147513	0.251169	0.981636	chr22	39023510	39023738	+	0	NA	intron (N	AluSq2|SI	2497	NM_001363	140564	Hs.629775	NM_152426	ENSG00000	APOBEC3D	A3D|APOBE	apolipopr	protein-coding
chr12-654	7.171955	-1.0749	0.936888	-1.14731	0.251254	0.981636	chr12	6543423	6543627	+	0	NA	intron (N	MER1A|DNA	8261	NM_001256	2597	Hs.544577	NM_002046	ENSG00000	GAPDH	G3PD|GAPD	glycerald	protein-coding
chr12-108	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MC5|LIN	27767	NM_001105	23603	Hs.330384	NM_014325	ENSG00000	CORO1C	HCRNN4	coronin 1	protein-coding
chr2-2416	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluY|SINE	7370	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr4-1253	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	2055	NM_001291	79633	Hs.563205	NM_024582	ENSG00000	FAT4	CDHF14|CD	FAT atypi	protein-coding
chr5-3491	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr5	34919115	34921001	+	0	NA	intron (N	L2a|LINE|	4347	NM_018321	55299	Hs.718510	NM_018321	ENSG00000	BRIX1	BRIX|BXDC	biogenesi	protein-coding
chr5-7504	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr5	75045643	75047285	+	0	NA	intron (N	intron (N	6094	NM_001366	51301	Hs.272404	NM_016591	ENSG00000	GCNT4	C2GNT3|LI	glucosami	protein-coding
chr9-3801	6.879654	-1.03289	0.900373	-1.14718	0.251308	0.981636	chr9	38014285	38015608	+	0	NA	intron (N	intron (N	54281	NM_003028	6461	Hs.521482	NM_003028	ENSG00000	SHB	bA3J10.2	SH2 domai	protein-coding
chr12-105	6.89537	-1.03625	0.903598	-1.14681	0.251461	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	56413	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr7-4456	6.85423	-1.04117	0.908026	-1.14663	0.251535	0.981636	chr7	44565075	44565778	+	0	NA	TTS (NM_0	TTS (NM_0	9112	NM_019082	54606	Hs.654762	NM_019082	ENSG00000	DDX56	DDX21|DDX	DEAD-box	protein-coding
chr7-8736	6.85423	-1.04117	0.908026	-1.14663	0.251535	0.981636	chr7	87360066	87360342	+	0	NA	TTS (NM_0	TTS (NM_0	14540	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr10-271	4.419644	-1.31713	1.14882	-1.14651	0.251584	0.981636	chr10	27138000	27138369	+	0	NA	intron (N	intron (N	16200	NM_014263	10730	Hs.74647	NM_014263	ENSG00000	YME1L1	FTSH|MEG4	YME1 like	protein-coding
chr2-3060	6.869946	-1.04461	0.91128	-1.14631	0.251665	0.981636	chr2	30600518	30600908	+	0	NA	intron (N	L1PA10|LI	153467	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr13-113	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	24025	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr15-812	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr15	81242468	81242924	+	0	NA	intron (N	L1MD1|LIN	43220	NM_001352	3603	Hs.459095	NM_004513	ENSG00000	IL16	LCF|NIL16	interleuk	protein-coding
chr15-886	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr15	88633788	88634246	+	0	NA	Intergeni	AluSq2|SI	-1615	NM_001303	3669	Hs.459265	NM_002201	ENSG00000	ISG20	CD25|HEM4	interfero	protein-coding
chr20-370	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr20	37039969	37041146	+	0	NA	intron (N	AluSx|SIN	55440	NM_001323	5933	Hs.207745	NM_002895	ENSG00000	RBL1	CP107|PRE	RB transc	protein-coding
chr3-4771	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr3	47717755	47718011	+	0	NA	intron (N	L1MC5|LIN	-56189	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr6-4354	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr6	43542518	43543131	+	0	NA	intron (N	L1ME3A|LI	25735	NM_001363	9533	Hs.743509	NM_004875	ENSG00000	POLR1C	AC40|HLD1	RNA polym	protein-coding
chr7-8464	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr7	846444	847852	+	0	NA	intron (N	intron (N	5774	NM_001367	23353	Hs.438072	NM_025154	ENSG00000	SUN1	UNC84A	Sad1 and	protein-coding
chr8-1903	5.674147	-1.1393	0.994312	-1.14582	0.251871	0.981636	chr8	1903045	1903328	+	0	NA	intron (N	intron (N	-68211	NR_126346	1.04E+08	Hs.734498	NR_126346	ENSG00000	KBTBD11-O	-	KBTBD11 o	ncRNA

chr18-88	7.898253	0.973442	0.849819	1.145471	0.252014	0.981636	chr18	8807001	8807219	+	0	NA	intron (N	intron (N	89729	NM_01521	23255	Hs.70792	NM_01521	ENSG0000	MTCL1	CCDC165|K	microtubu	protein-coding
chr5-1111	10.59001	-0.84587	0.738539	-1.14532	0.252075	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	8673	NM_139281	134430	Hs.533237	NM_139281	ENSG0000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr1-3635	5.495469	1.153512	1.007457	1.144975	0.25222	0.981636	chr1	3635633	3636737	+	0	NA	intron (N	intron (N	11170	NM_182752	127262	Hs.20529	NM_182752	ENSG0000	TPRG1L	FAM79A|h-	tumor prc	protein-coding
chr11-10	5.495469	1.153512	1.007457	1.144975	0.25222	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	17396	NM_00001	38	Hs.232375	NM_00001	ENSG0000	ACAT1	ACAT|MAT|	acetyl-Cc	protein-coding
chr1-465	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr1	46582259	46583489	+	0	NA	intron (N	intron (N	21394	NM_19897	8569	Hs.371594	NM_003684	ENSG0000	MKNK1	MNK1	MAPK inte	protein-coding
chr1-156	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	11598	NM_020131	56893	Hs.28373	NM_020131	ENSG0000	UBQLN4	A1U|A1Up|	ubiquilir	protein-coding
chr10-296	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr10	29674993	29677333	+	0	NA	intron (N	LOR1a|LTR	-41192	NM_02173	6840	Hs.49920	NM_003174	ENSG0000	SVIL	-	supervill	protein-coding
chr12-35	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr12	35845251	35845608	+	0	NA	Intergeni	ALR/Alpha	1822933	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr16-507	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr16	5075525	5076479	+	0	NA	intron (N	MLT1K|LTR	3754	NM_00133	56052	Hs.592086	NM_01910	ENSG0000	ALG1	CDG1K|HMA	ALG1 chit	protein-coding
chr16-162	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr16	16258283	16258758	+	0	NA	intron (N	L2|LINE|L	25925	NM_173614	283820	Hs.460141	NM_173614	ENSG0000	NOMO2	Nomo|PM5	NODAL moc	protein-coding
chr19-181	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr19	18123390	18125267	+	0	NA	exon (NM_	exon (NM_	-25512	NM_00129	3594	Hs.567294	NM_005535	ENSG0000	IL12RB1	CD212|IL-	interleuk	protein-coding
chr19-181	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr19	18135676	18137970	+	0	NA	intron (N	AluSx1|SI	-16340	NR_162071	5296	Hs.371344	NM_005027	ENSG0000	PIK3R2	MPPH|MPPH	phosphoir	protein-coding
chr2-9955	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr2	99550474	99552472	+	0	NA	3’ UTR (N	3’ UTR (N	-61456	NR_135652	51455	Hs.443077	NM_016316	ENSG0000	REV1	AIBP80|RE	REV1 DNA	protein-coding
chr22-20	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr22	20054996	20056006	+	0	NA	intron (N	intron (N	22362	NR_029706	406961		NR_029706	ENSG0000	MIR185	MIRN185|m	microRNA	ncRNA
chr4-8405	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr4	8405030	8406465	+	0	NA	intron (N	intron (N	34976	NM_003501	8310	Hs.479122	NM_003501	ENSG0000	ACOX3	-	acyl-CoA	protein-coding
chr5-142	6.708648	1.042258	0.910606	1.144576	0.252385	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	exon (NM_	exon (NM_	6790	NM_005471	10007	Hs.63385	NM_005471	ENSG0000	GNPDA1	GNP1|GNPD	glucosami	protein-coding
chr6-1581	6.435763	-1.09917	0.961113	-1.14364	0.252772	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	L1PA7|LIN	12090	NM_20711	404672	Hs.356224	NM_20711	ENSG0000	GTF2H5	C6orf175|	general t	protein-coding
chr1-2244	6.767353	1.050572	0.919123	1.143016	0.253032	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	1210	NM_02516	80232	Hs.49787	NM_02516	ENSG0000	WDR26	CDW2|GID7	WD repeat	protein-coding
chr22-197	6.186636	1.115502	0.97597	1.142967	0.253052	0.981636	chr22	19719920	19720591	+	0	NA	intron (N	CpG-18755	1786	NR_037612	1.01E+08	Hs.28374	NR_037611	ENSG0000	SEPT5-GP1	GP1BB|GPI	SEPT5-GP1	ncRNA
chr10-86	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr10	86930622	86931204	+	0	NA	Intergeni	Intergeni	-24846	NM_00133	6623	Hs.34947	NM_003087	ENSG0000	SNCG	BCSG1|SR	synuclein	protein-coding
chr11-466	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr11	46677261	46677460	+	0	NA	3’ UTR (N	3’ UTR (N	23259	NM_00430	392	Hs.13886	NM_00430	ENSG0000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr11-12	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJb|SIN	-24750	NM_006597	3312	Hs.180414	NM_006597	ENSG0000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-105	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MSTB1|LTR	7991	NM_001145	387882	Hs.36893	NM_207376	ENSG0000	C12orf75	AGD3|OCC-	chromosom	protein-coding
chr15-39	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr15	39998768	40000119	+	0	NA	intron (N	intron (N	39738	NM_003134	6727	Hs.533732	NM_003134	ENSG0000	SRP14	ALURBP	signal re	protein-coding
chr17-215	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr17	21544950	21545340	+	0	NA	intron (N	MSTB1|LTR	6533	NR_160801	339263	Hs.514016	NM_00111	ENSG0000	LINC0269	C17orf51	long inte	ncRNA
chr2-132	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	HAL1|LINE	-77536	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG0000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr3-1604	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	TTS (NM_	TTS (NM_	13886	NM_173084	286827	Hs.212957	NM_173084	ENSG0000	TRIM59	IFT80L|MR	tripartit	protein-coding
chr6-4297	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr6	42976648	42977065	+	0	NA	intron (N	L2c|LINE|	2325	NR_13300	5190	Hs.656425	NM_000287	ENSG0000	PEX6	HMLR2|PAF	peroxisom	protein-coding
chr7-1487	5.633008	-1.14544	1.002252	-1.14287	0.253093	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	78838	NM_00137	8454	Hs.146806	NM_003592	ENSG0000	CUL1	-	cullin 1	protein-coding
chr1-156	7.450663	1.031204	0.902299	1.142862	0.253096	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	MIR3|SINE	-25078	NR_030527	768220		NR_030527	ENSG0000	MIR765	MIRN765|h	microRNA	ncRNA
chr9-104	4.2393	1.314289	1.150341	1.142522	0.253237	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	30073	NM_005502	19	Hs.659274	NM_005502	ENSG0000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr1-214	8.143865	-0.94817	0.830233	-1.14205	0.253433	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	38317	NM_020197	56950	Hs.66170	NM_020197	ENSG0000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr14-60	6.394623	-1.10475	0.967351	-1.14203	0.253441	0.981636	chr14	60983328	60984069	+	0	NA	intron (N	intron (N	-2008	NM_00135	57570	Hs.38015	NM_02081	ENSG0000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr1-320	8.077302	-0.9591	0.839885	-1.14194	0.253479	0.981636	chr1	32030855	32031439	+	0	NA	intron (N	AluJo|SIN	17279	NM_001271	10657	Hs.44589	NM_00655	ENSG0000	KHDRBS1	Sam68|p62	KH RNA bi	protein-coding
chr14-504	8.077302	-0.9591	0.839885	-1.14194	0.253479	0.981636	chr14	50442395	50442662	+	0	NA	intron (N	L1MC4|LIN	-45230	NM_001367	8814	Hs.280881	NM_004196	ENSG0000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr11-937	8.151723	-0.9496	0.831585	-1.14192	0.253489	0.981636	chr11	93702931	93703524	+	0	NA	intron (N	AluSx1|SI	-18287	NR_00256	619383	Hs.66066	NR_00256	ENSG0000	SCARNA9	Z32|mgU2-	small Ca	ncRNA
chr17-544	8.151723	-0.9496	0.831585	-1.14192	0.253489	0.981636	chr17	5448042	5448287	+	0	NA	intron (N	AluSx|SIN	-9009	NM_001212	708	Hs.555866	NM_001212	ENSG0000	C1QBP	COXPD33|C	complemen	protein-coding
chr2-2226	8.151723	-0.9496	0.831585	-1.14192	0.253489	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	9343	NR_130154	10056	Hs.471452	NM_005687	ENSG0000	FARSB	FARSLB|FR	phenylala	protein-coding
chr10-407	5.503327	1.150232	1.007347	1.141843	0.253519	0.981636	chr10	40711908	40712571	+	0	NA	Intergeni	ALR/Alpha	1655806	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr16-207	5.503327	1.150232	1.007347	1.141843	0.253519	0.981636	chr16	2074842	2075530	+	0	NA	intron (N	AluSx1|SI	15098	NR_030646	1E+08		NR_030646	ENSG0000	MIR1225	MIRN1225	microRNA	ncRNA
chr4-1391	5.503327	1.150232	1.007347	1.141843	0.253519	0.981636	chr4	1391481	1393125	+	0	NA	Intergeni	L1M4|LINE	14139	NM_00129	54729	Hs.526396	NM_00129	ENSG0000	NKX1-1	HSPX153|N	NK1 homec	protein-coding
chr1-4497	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr1	44971506	44971999	+	0	NA	intron (N	AluSg|SIN	14843	NM_020365	8891	Hs.53354	NM_020365	ENSG0000	EIF2B3	EIF-2B|EI	eukaryoti	protein-coding
chr1-842	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr1	84239468	84240268	+	0	NA	Intergeni	Intergeni	58236	NM_001242	5567	Hs.487325	NM_002731	ENSG0000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-844	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr1	84485117	84485920	+	0	NA	intron (N	Tigger4b|	6252	NM_025065	80135	Hs.481202	NM_025065	ENSG0000	RPF1	BXDC5	ribosome	protein-coding
chr15-807	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr15	80781494	80782761	+	0	NA	intron (N	intron (N	2757	NM_00129	57214	Hs.45908	NM_01868	ENSG0000	CEMIP	CCSP1|HYE	cell migr	protein-coding
chr16-88	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr16	88399883	88400082	+	0	NA	Intergeni	MIR|SINE|	-27489	NM_001367	84627	Hs.54925	NM_001127	ENSG0000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr17-752	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr17	75220833	75221850	+	0	NA	intron (N	AluSz6|SI	15662	NM_024844	79902	Hs.362817	NM_024844	ENSG0000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr2-106	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr2	10605822	10606714	+	0	NA	intron (N	MIR|SINE|	83707	NM_024894	79954	Hs.222494	NM_024894	ENSG0000	NOL10	PQBP5	nucleolar	protein-coding
chr5-536	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr5	53683027	53683739	+	0	NA	TTS (NM_	TTS (NM_	122744	NR_134474	4724	Hs.528222	NM_002495	ENSG0000	NDUFS4	AQDQ|CI-1	NADH:ubic	protein-coding
chr6-152	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	-7351	NM_001142	26271	Hs.520506	NM_012177	ENSG0000	FBXO5	EMI1|FBX5	F-box prc	protein-coding
chr7-128	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	20782	NM_001364	3663	Hs.521181	NM_03264	ENSG0000	IRF5	SLEB10	interferc	protein-coding
chr7-130	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSg4|SI	9840	NM_00136	51530	Hs.194157	NM_01647	ENSG0000	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr9-573	6.871796	-1.03122	0.903252	-1.14168	0.253589	0.981636	chr9	5733707	5735685	+	0	NA	intron (N	L1ME3|LIN	98421	NM_024896	79956	Hs.59107	NM_024896	ENSG0000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr1-1627	8.494686	0.927974	0.812847	1.141634	0.253606	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	TTS (NM_	TTS (NM_	8382	NM_016371	51478	Hs.492925	NM_016371	ENSG0000	HSD17B7	PRAP|SDR	hydroxyst	protein-coding
chr1-537	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr1	53790778	53791336	+	0	NA	intron (N	L1MA4A|LI	47239	NM_018087	55706	Hs.476525	NM_018087	ENSG0000	NDC1	NET3|TMEM	NDC1 trar	protein-coding
chr16-236	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr16	23681302	23683745	+	0	NA	intron (N	MIRc|SINE	3634	NM_00503	5347	Hs.59204	NM_00503	ENSG0000	PLK1	PLK|STPK1	polo like	protein-coding
chr17-471	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr17	47176237	47176724	+	0	NA	intron (N	intron (N	12815	NM_001256	996	Hs.463295	NM_001256	ENSG0000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr3-108	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	MLT1D|LTR	30858	NM_001777	961	Hs.446414	NM_001777	ENSG0000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr4-799	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr4	79981317	79981809	+	0	NA	intron (N	Tigger4b|	91666	NM_001286	118429	Hs.16296	NM_058172	ENSG0000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr7-6595	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr7	65959905	65960380	+	0	NA	TTS (NM_	TTS (NM_	22071	NM_00129	2990	Hs.25523	NM_000181	ENSG0000	GUSB	BG|MPS7	glucuroni	protein-coding
chr8-425	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr8	42533894	42535113	+	0	NA	intron (N	intron (N	-6645	NM_001135	114926	Hs.65532	NM_138436	ENSG0000	SMIM19	C8orf40	small int	protein-coding
chr8-9475	5.666289	-1.13728	0.996198	-1.14162	0.253611	0.981636	chr8	94758583	94759197	+	0	NA	intron (N	AluSz|SIN	38990	NM_181787	286148	Hs.56782	NM_181787	ENSG0000	DPY19L4	-	dpy-19 li	protein-coding
chr5-7822	10.50588	-0.86084	0.75412	-1.14151	0.253656	0.981636	chr5	78225012	78225307	+	0	NA	intron (N	intron (N	69539	NM_001271	8546	Hs.532091	NM_003664	ENSG0000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr2-2004	6.846372	-1.03953	0.910939	-1.14116	0.253801	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	AluJr|SIN	47235	NM_001321	130535	Hs.605775	NM_152387	ENSG0000	KCTD18	6530404F1	potassium	protein-coding
chr3-1126	6.846372	-1.03953	0.910939	-1.14116	0.253801	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	12064	NM_199511	151887	Hs.47712	NM_199511	ENSG0000	CCDC80	CL2|DRO1|	coiled-cc	protein-coding
chr7-1521	6.846372	-1.03953	0.910939	-1.14116	0.253801	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	123622	NM_001371474								
chr2-181	8.102726	-0.95213	0.834404	-1.14109	0.253831	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	intron (N	intron (N	-28764	NR_048567	151242	Hs.10941	NM_00108	ENSG0000	PPP1R1C	IPP5	protein p	protein-coding
chr17-825	6.692932	1.047562	0.918386	1.140656	0.254013	0.981636	chr17	82577195	82577621	+	0	NA	intron (N	intron (N	57676	NM_004514	3607	Hs.59114	NM_004514	ENSG0000	FOXK2	ILF|ILF-1	forkhead	protein-coding
chr5-1295	8.142015	-0.95944	0.841296	-1.14043	0.254105	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PA3|LIN	-73473	NR_12574	1.04E+08	Hs.628635	NR_12574	ENSG0000	ADAMTS19-	-	ADAMTS19	ncRNA
chr7-4004	4.468641	-1.31079	1.14965	-1.14016	0.254219	0.981636	chr7	40041820	40042215	+	0	NA	intron (N	L1M5|LINE	91657	NM_031267	8621	Hs.233552	NM_00371	ENSG0000	CDK13	CDC2L|CDC	cyclin de	protein-coding
chr5-9351	5.607584	-1.15589	1.01412	-1.1398	0.254371	0.981636	chr5	93518406	93518635	+	0	NA	intron (N	MIRc|SINE	52823	NR_109825	441094	Hs.457407	NR_01536	ENSG0000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr17-797	6.912935	-1.0264	0.900575	-1.13971	0.254405	0.981636	chr17	797024	797857	+	0	NA	Intergeni	Intergeni	15087	NM_018146	55178	Hs.18272	NM_018146	ENSG0000	MRM3	RMTL1|RNM	mitochonc	protein-coding
chr1-225	6.74193	1.045057	0.917169	1.139437	0.254521	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	L1ME4a|LI	12723	NM_00012	2052	Hs.89649	NM_00012	ENSG0000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr19-36	6.74193	1.045057	0.917169	1.139437	0.254521	0.981636	chr19	36340988	36345115	+	0	NA	intron (N	intron (N	-11333	NR_03827	1.01E+08	Hs.59515	NR_03827	ENSG0000	LINC00665	-	long inte	ncRNA
chr9-1212	6.74193	1.045057	0.917169	1.139437	0.254521	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	2173	NM_00125	2934	Hs.52237	NM_000177	ENSG0000	GSN	ADF|AGEL	gelsolin	protein-coding
chr9-6824	10.62329	-0.84171	0.738798	-1.1393	0.254579	0.981636	chr9	68245757	68246068	+	0	NA	intron (N	intron (N	3967	NM_20145	445571	Hs.645337	NM_20145	ENSG0000	CBWD3	bA561023.	COBW doma	protein-coding
chr19-367	4.247158	1.30993	1.149935	1.139133	0.254648	0.981636	chr19	36734840	36735488	+	0	NA	Intergeni	L1MA2|LIN	31483	NM_00136	163081	Hs.412517	NM_15260	ENSG0000	ZNF567	-	zinc fing	protein-coding
chr5-1387	10.22988	0.847222	0.74378	1.139076	0.254671	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-28381	NR_134244	1.05E+08	Hs.445981	NR_134244	ENSG0000	LOC10537	-	uncharact	ncRNA
chr1-702	8.136007	-0.94671	0.831272	-1.13887	0.254756	0.981636	chr1	70207938	70208615	+	0	NA	intron (N	intron (N	2580	NM_00135	9295	Hs.47969	NM_00476	ENSG0000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr10-875	8.136007	-0.94671	0.831272	-1.13887	0.254756	0.981636	chr10	87517592	87517839	+	0	NA	intron (N	L1ME3B|LI	9882	NM_00117	9562	Hs.12126	NM_004897	ENSG0000	MINPP1	HIPER1|MI	multiple	protein-coding
chr22-40	5.470045	1.146949	1.007383	1.138543	0.254894	0.981636	chr22	40929077	40929666	+	0	NA	3’ UTR (N	3’ UTR (N	-22007	NM_01424	9978	Hs.47494	NM_01424	ENSG0000	RBX1	BA554C12.	ring-box	protein-coding
chr22-42	5.470045	1.146949	1.007383	1.138543	0.254894	0.981636	chr22	42059357	42061011	+	0	NA	3’ UTR (N	3’ UTR (N	10628	NM_000262	4668	Hs.75372	NM_000262	ENSG0000	NAGA	D22S674|C	alpha-N-a	protein-coding
chr16-46	8.469263	0.923502	0.811152	1.138507	0.254909	0.981636	chr16	4680383	4680673	+	0	NA	intron (N	intron (N	9210	NR_106827	1.02E+08		NR_106827	ENSG0000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr3-1026	8.469263	0.923502	0.811152	1.138507	0.254909	0.981636	chr3	10260450	10261719	+	0	NA	intron (N	MLT1J|LTR	12625	NM_01476	9797	Hs.475401	NM_01476	ENSG0000	TATDN2	-	TatD DNas	protein-coding
chr9-121	8.469263	0.923502	0.811152	1.138507	0.254909	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	2750	NM_198194	2040	Hs.25390	NM_00409	ENSG0000	STOM	BND7|EPB7	stomatin	protein-coding
chr19-481	3.69131	-1.41275	1.241268	-1.13815	0.255058	0.981636	chr19	48161443	48162213	+	0	NA	intron (N	AluSz|SIN	8516	NM_00132	3978	Hs.1770	NM_000234	ENSG0000	LIG1	-	DNA ligas	protein-coding
chr1-527	7.980532	0.973869	0.855674	1.138131	0.255066	0.981636	chr1	52731955	52732198	+	0	NA	intron (N	AluJb|SIN	5623	NM_024646	79699	Hs.47628	NM_024646	ENSG0000	ZYG11B	ZYG11	zyg-11 fa	protein-coding
chr12-10	7.980532	0.973869	0.855674	1.138131	0.255066	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSg|SIN	15247	NM_001145	121642	Hs.37445	NM_001001	ENSG0000	ALKBH2	ABH2	alkB homc	protein-coding
chr11-364	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr11	36486232	36487003	+	0	NA	3’ UTR (N	3’ UTR (N	23655	NM_14580	7189	Hs.444172	NM_00462	ENSG0000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr16-304	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr16	30444057	30444818	+	0	NA	exon (NM_	exon (NM_	1437	NM_01224	22928	Hs.118725	NM_01224	ENSG0000	SEPHS2	SPS2	selenophc	protein-coding
chr17-352	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr17	35267163	35268148	+	0	NA	3’ UTR (N	3’ UTR (N	24583	NM_144975	162394	Hs.585792	NM_144975	ENSG0000	SLFN5	-	schlafen	protein-coding
chr2-5386	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr2	53865139	53865775	+	0	NA	3’ UTR (N	3’ UTR (N	-5424	NM_001164	1E+08	Hs.40763	NM_001164	ENSG0000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr3-129	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSp|SIN	22406	NM_001204	339122	Hs.381132	NM_19849	ENSG0000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr4-7647	6.905077	-1.02473	0.900458	-1.13801	0.255117	0.981636	chr4	764791	765983	+	0	NA	intron (N	AluY|SINE	16461	NR_036511	1E+08	Hs.731755	NR_036511	ENSG0000	LOC10012	-	uncharact	ncRNA
chr10-751	8.461405	0.925571	0.813569	1.137668	0.255259	0.981636	chr10	75152959	75153367	+	0	NA	intron (N	AluSx1|SI	41507	NM_14466	142891	Hs.744986	NM_14466	ENSG0000	SAMD8	HEL-177|S	sterile a	protein-coding
chr7-102	8.461405	0.925571	0.813569	1.137668	0.255259	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-213575	NM_02097	10603	Hs.48944	NM_02097	ENSG0000	SH2B2	APS	SH2B adap	protein-coding
chr4-3952	6.920793	-1.02804	0.903685	-1.13761	0.255282	0.981636	chr4	39520210	39521075	+	0	NA	intron (N	intron (N	6797	NM_00335	7358	Hs.57251	NM_00335	ENSG0000	UGDH	GDH|UDP-	UDP-gluc	protein-coding
chr4-1827	5.155835	-1.25103	1.099849	-1.13745	0.255349	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	exon (NM_	exon (NM_	123898	NM_001351	1635	Hs.18385	NM_001921	ENSG0000	DCTD	-	dCMP deam	protein-coding
chr8-2774	5.155835	-1.25103	1.099849	-1.13745	0.255349	0.981636	chr8	27741565	27741764	+	0	NA	intron (N	AluSg|SIN	30976	NR_156432	55246	Hs.445512	NM_018246	ENSG0000	CCDC25	-	coiled-cc	protein-coding
chr2-237	9.359079	-0.88875	0.781434	-1.13734	0.255398	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	MIRc|SINE	88228	NM_057166	1293	Hs.23324	NM_00436	ENSG0000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr6-5927	87.54302	0.391793	0.344505	1.137262	0.255429	0.981636	chr6	59276231	59276430	+	0	NA	Intergeni	ALR/Alpha	-1314884	NR_132994	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr1-179	7.921827	0.966654	0.850155	1.137033	0.255524	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSz|SIN	-29759	NM_144696	126859	Hs.658505	NM_144696	ENSG0000	AXDND1	C1orf125	axonemal	protein-coding
chr8-1444	7.921827	0.966654	0.850155	1.137033	0.255524	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	promoter-	promoter-	-371	NR_10690	1.02E+08		NR_10690	ENSG0000	MIR6849	hsa-mir-6	microRNA	ncRNA
chr19-172	5.513035	1.163692	1.02355	1.136918	0.255573	0.981636	chr19	17277576	17277982	+	0	NA	intron (N	AluJb|SIN	-4122	NM_00127	126549	Hs.72161	NM_15236	ENSG0000	ANKLE1	ANKRD41|I	ankyrin r	protein-coding
chr1-212	4.386362	-1.32839	1.168427	-1.1369	0.255579	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	-22806	NR_00438	692157	Hs.70795	NR_00438	ENSG0000	SNORA16B	U98b	small nuc	snoRNA
chr7-1071	10.20445	0.843427	0.742257	1.136301	0.255831	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	AluSx3|SI	27545	NM_012257	26959	Hs.162032	NM_012257	ENSG0000	HBP1	-	HMG-box t	protein-coding
chr8-144	10.24744	0.852834	0.750754	1.135969	0.255969	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	-16280	NR_002807	286102	Hs.74458	NR_002807		TMED10P1	S31I125|S	transmemb	pseudo
chr12-276	6.675366	1.039385	0.915181	1.135715	0.256076	0.981636	chr12	27664899	27665201	+	0	NA	intron (N	AluSx1|SI	-31397	NM_00102	387849	Hs.269836	NM_00102	ENSG0000	REP15	RAB15EP	RAB15 eff	protein-coding
chr6-8972	6.675366	1.039385	0.915181	1.135715	0.256076	0.981636	chr6	89727794	89727993	+	0	NA	exon (NM_	exon (NM_	-89146	NM_020466	57226	Hs.177275	NM_020466	ENSG0000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr14-601	6.361342	-1.11222	0.979358	-1.13566	0.256097	0.981636	chr14	60110498	60110697	+	0	NA	intron (N	MLT1A-int	18674	NM_00133	64430	Hs.50949	NM_022495	ENSG0000	PCNX4	C14orf135	pecanex 4	protein-coding
chr17-661	3.683452	-1.40984	1.241483	-1.13561	0.256119	0.981636	chr17	66150523	66151660	+	0	NA	intron (N	L1MB2|LIN	40801	NM_001302	201134	Hs.408676	NM_145036	ENSG0000	CEP112	CCDC46|MA	centrosom	protein-coding
chr4-7694	3.683452	-1.40984	1.241483	-1.13561	0.256119	0.981636	chr4	76947342	76947931	+	0	NA	Intergeni	Intergeni	-2116	NM_01824	55752	Hs.12819	NM_01824	ENSG0000	SEPTIN11	11-Sep	septin 11	protein-coding
chr4-1682	3.683452	-1.40984	1.241483	-1.13561	0.256119	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	L1MEg|LIN	84480	NM_017631	55601	Hs.59171	NM_017631	ENSG0000	DDX60	-	DExD/H-bo	protein-coding
chr5-176	3.683452	-1.40984	1.241483	-1.13561	0.256119	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	AluSx|SIN	14978	NM_00130	375484	Hs.719847	NM_198567	ENSG0000	SIMC1	C5orf25|C	SUMO inte	protein-coding
chr5-559	9.325798	-0.89344	0.786871	-1.13543	0.256193	0.981636	chr5	55938517	55939778	+	0	NA	non-codin	non-codin	55816	NM_175767	3572	Hs.532082	NM_002184	ENSG0000	IL6ST	CD130|CDW	interleuk	protein-coding
chr19-36	5.477903	1.143669	1.007272	1.135412	0.256203	0.981636	chr19	36869444	36875210	+	0	NA	intron (N	MSTB1|LTR	20676	NM_001242	25850	Hs.362324	NM_00341	ENSG0000	ZNF345	HZF10	zinc fing	protein-coding
chr6-1327	5.477903	1.143669	1.007272	1.135412	0.256203	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR7C|LTR	-14468	NM_07848	8875	Hs.29313	NM_004665	ENSG0000	VNN2	FOAP-4|GF	vanin 2	protein-coding
chr1-1242	116.7745	0.343765	0.302778	1.135369	0.256221	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2731658	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr16-185	11.92208	0.782715	0.68944	1.135292	0.256253	0.981636	chr16	18522759	18523608	+	0	NA	intron (N	intron (N	-28607	NR_036145	1E+08		NR_036145	ENSG0000	MIR3179-	-	microRNA	ncRNA
chr9-5561	3.658028	-1.42629	1.256385	-1.13523	0.256278	0.981636	chr9	5561169	5562188	+	0	NA	intron (N	intron (N	51147	NM_02523	80380	Hs.53227	NM_02523	ENSG0000	PDCD1LG2	B7DC|Btdc	programme	protein-coding
chr13-45	7.625553	-1.00705	0.887146	-1.13516	0.256307	0.981636	chr13	45018196	45018506	+	0	NA	intron (N	AluY|SINE	28813	NM_01855	55425	Hs.731811	NM_01855	ENSG0000	GPALPP1	AD029|KIA	GPALPP mc	protein-coding
chr10-40	11.43335	0.810544	0.714832	1.133894	0.256839	0.981636	chr10	40389388	40390526	+	0	NA	Intergeni	ALR/Alpha	1693361	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr4-150	9.400219	-0.88533	0.780853	-1.1338	0.256877	0.981636	chr4	15032927	15034906	+	0	NA	intron (N	intron (N	31435	NM_001177	132864	Hs.656937	NM_182485	ENSG0000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding

chr20-635	11.05932	-0.81279	0.717084	-1.13347	0.257019	0.981636	chr20	63522180	63523939	+	0	NA	TTS (NM_0	TTS (NM_0	2294	NM_024299	79144	Hs.79625	NM_024299	ENSG00000	PPDPF	C20orf149	pancreati	protein-coding
chr19-249	28.04944	0.538294	0.475113	1.13298	0.257222	0.981636	chr19	24976712	24977057	+	0	NA	Intergeni	ALR/Alpha	-813437	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-500	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr13	50013618	50014093	+	0	NA	3’ UTR (N	3’ UTR (N	-1589	NM_173605	283518	Hs.660161	NM_173605	ENSG00000	KCNRG	DLTET	potassium	protein-coding
chr2-3319	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr2	33197656	33198277	+	0	NA	intron (N	intron (N	63369	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-1799	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJo|SIN	30258	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr3-1236	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	(A)n|Simp	420	NM_053031	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1574	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	3557	NM_002852	5806	Hs.591286	NM_002852	ENSG00000	PTX3	TNFAIP5|T	pentraxin	protein-coding
chr7-8173	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr7	81732363	81733575	+	0	NA	intron (N	intron (N	37078	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr8-6158	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr8	61586765	61587878	+	0	NA	intron (N	intron (N	102490	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-9096	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr8	90969935	90970828	+	0	NA	intron (N	intron (N	14696	NM_001363	1E+08	Hs.733266	NM_001190	ENSG00000	C8orf88	-	chromosom	protein-coding
chr8-1304	5.658432	-1.13519	1.002056	-1.13286	0.257271	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	21059	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr1-5197	6.683224	1.036722	0.915211	1.132768	0.257312	0.981636	chr1	51976762	51977090	+	0	NA	exon (NM_	exon (NM_	13774	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr15-250	6.683224	1.036722	0.915211	1.132768	0.257312	0.981636	chr15	25086629	25087532	+	0	NA	promoter-	promoter-	554	NR_001290	727708		NR_001290	ENSG00000	SNORD116-	HBII-85-1	small nuc	snoRNA
chr19-350	6.683224	1.036722	0.915211	1.132768	0.257312	0.981636	chr19	35023453	35024152	+	0	NA	intron (N	MLT1K|LTR	-6668	NM_001037	6324	Hs.436646	NM_001037	ENSG00000	SCN1B	ATFB13|BR	sodium vo	protein-coding
chr3-4741	6.683224	1.036722	0.915211	1.132768	0.257312	0.981636	chr3	47416228	47416548	+	0	NA	intron (N	intron (N	35367	NM_001304	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr5-4897	35.31809	0.497793	0.43955	1.132507	0.257422	0.981636	chr5	48973351	48974271	+	0	NA	Intergeni	ALR/Alpha	1467477	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-708	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr11	70807055	70807265	+	0	NA	exon (NM_	exon (NM_	-55630	NR_073536	220070	Hs.326766	NM_145308	ENSG00000	SHANK2-AS	C11orf76	SHANK2 an	ncRNA
chr11-857	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr11	85706325	85708154	+	0	NA	intron (N	MIRb|SINE	11855	NM_001365	54843	Hs.369520	NM_032379	ENSG00000	SYTL2	CHR11SYT|	synaptota	protein-coding
chr12-112	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-22594	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr2-3646	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr2	36463007	36463428	+	0	NA	intron (N	intron (N	107439	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-1898	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	MLT1A0|LT	33969	NM_001321	5378	Hs.111749	NM_000534	ENSG00000	PMS1	HNPCC3|ML	PMS1 homo	protein-coding
chr2-2298	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	AluJr4|SI	44868	NM_001348	9320	Hs.572642	NM_004238	ENSG00000	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr20-137	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr20	13798590	13799079	+	0	NA	intron (N	L2c|LINE|	13806	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubiq	protein-coding
chr4-7103	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr4	71039074	71039350	+	0	NA	Intergeni	AluJr|SIN	45563	NM_000788	1633	Hs.709	NM_000788	ENSG00000	DCK	-	deoxycyti	protein-coding
chr5-1686	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr5	16866983	16867499	+	0	NA	intron (N	intron (N	69047	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr5-7818	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr5	78180905	78181375	+	0	NA	intron (N	intron (N	113558	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr8-6656	6.897219	-1.02302	0.903337	-1.13249	0.25743	0.981636	chr8	66568904	66569584	+	0	NA	intron (N	L1PA13|LI	43974	NM_001080	4603	Hs.445898	NM_001080	ENSG00000	MYBL1	A-MYB|AMY	MYB proto	protein-coding
chr3-1111	8.361745	-0.9947	0.878425	-1.13237	0.25748	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	50387	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr12-163	8.128149	-0.94522	0.834735	-1.13236	0.257483	0.981636	chr12	1636734	1637292	+	0	NA	intron (N	AluJr|SIN	7782	NM_032642	81029	Hs.306051	NM_030775	ENSG00000	WNT5B	-	Wnt famil	protein-coding
chr12-881	8.128149	-0.94522	0.834735	-1.13236	0.257483	0.981636	chr12	88195313	88195751	+	0	NA	exon (NM_	exon (NM_	53225	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr19-494	8.128149	-0.94522	0.834735	-1.13236	0.257483	0.981636	chr19	4948075	4948565	+	0	NA	intron (N	intron (N	15633	NR_039902	1.01E+08		NR_039902	ENSG00000	MIR4747	mir-4747	microRNA	ncRNA
chr5-3885	8.128149	-0.94522	0.834735	-1.13236	0.257483	0.981636	chr5	38851238	38852209	+	0	NA	intron (N	THE1B|LTR	5711	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-7508	8.128149	-0.94522	0.834735	-1.13236	0.257483	0.981636	chr6	75083791	75086007	+	0	NA	3’ UTR (N	3’ UTR (N	43883	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr1-2628	6.863938	-1.02954	0.909233	-1.13232	0.257501	0.981636	chr1	26281025	26281541	+	0	NA	TTS (NM_0	TTS (NM_0	1197	NM_031286	83442	Hs.109051	NM_031286	ENSG00000	SH3BGRL3	HEL-S-297	SH3 domai	protein-coding
chr18-129	6.863938	-1.02954	0.909233	-1.13232	0.257501	0.981636	chr18	12958229	12959156	+	0	NA	intron (N	L1MB4|LIN	10681	NM_001013	81929	Hs.301048	NM_031216	ENSG00000	SEH1L	SEC13L|SE	SEH1 like	protein-coding
chr8-6165	6.863938	-1.02954	0.909233	-1.13232	0.257501	0.981636	chr8	61650592	61651736	+	0	NA	intron (N	intron (N	38647	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-9372	6.863938	-1.02954	0.909233	-1.13232	0.257501	0.981636	chr8	93729945	93731092	+	0	NA	non-codin	non-codin	-9593	NR_027259	55472	Hs.192788	NM_018608	ENSG00000	RBM12B-AS	C8orf39|F	RBM12B an	ncRNA
chr1-1742	8.47712	0.921446	0.813838	1.132223	0.257541	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	LTR12|LTR	6277	NM_001366	9910	Hs.585378	NM_014857	ENSG00000	RABGAP1L	HHL|TBC1D	RAB GTPas	protein-coding
chr1-2064	8.47712	0.921446	0.813838	1.132223	0.257541	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-14947	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr3-3353	8.47712	0.921446	0.813838	1.132223	0.257541	0.981636	chr3	33531288	33532129	+	0	NA	intron (N	AluSp|SIN	-91303	NM_014517	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr7-1567	8.47712	0.921446	0.813838	1.132223	0.257541	0.981636	chr7	1567011	1567523	+	0	NA	TTS (NM_0	TTS (NM_0	2765	NM_032302	84262	Hs.446311	NM_032302	ENSG00000	PSMG3	C7orf48|P	proteasom	protein-coding
chr9-1311	8.47712	0.921446	0.813838	1.132223	0.257541	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	-26244	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-9988	8.443839	0.919041	0.811845	1.132041	0.257617	0.981636	chr1	99885341	99885743	+	0	NA	intron (N	MER1A|DNA	34567	NM_000646	178	Hs.904	NM_000028	ENSG00000	AGL	GDE	amylo-alp	protein-coding
chr13-111	8.443839	0.919041	0.811845	1.132041	0.257617	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	CpG	13936	NM_001354	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr17-180	8.443839	0.919041	0.811845	1.132041	0.257617	0.981636	chr17	1804145	1804588	+	0	NA	intron (N	AluSx|SIN	25536	NM_052928	114826	Hs.514602	NM_052928	ENSG00000	SMYD4	ZMYND21	SET and M	protein-coding
chr19-422	8.443839	0.919041	0.811845	1.132041	0.257617	0.981636	chr19	42224245	42224463	+	0	NA	intron (N	intron (N	4042	NM_133444	116115	Hs.137282	NM_133444	ENSG00000	ZNF526	-	zinc fing	protein-coding
chr4-5587	8.443839	0.919041	0.811845	1.132041	0.257617	0.981636	chr4	55877962	55878901	+	0	NA	intron (N	intron (N	24781	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr15-488	4.213876	1.306036	1.153753	1.131989	0.257639	0.981636	chr15	48840399	48841642	+	0	NA	intron (N	intron (N	-29951	NM_001194	22995	Hs.443005	NM_014985	ENSG00000	CEP152	MCPH4|MCP	centrosom	protein-coding
chr21-418	4.213876	1.306036	1.153753	1.131989	0.257639	0.981636	chr21	41813601	41814993	+	0	NA	intron (N	intron (N	-47245	NM_020639	54101	Hs.517310	NM_020639	ENSG00000	RIPK4	ANKK2|ANK	receptor	protein-coding
chr10-428	6.838514	-1.03793	0.916988	-1.13189	0.257681	0.981636	chr10	42807059	42807382	+	0	NA	intron (N	L1MD2|LIN	24425	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr2-1098	6.838514	-1.03793	0.916988	-1.13189	0.257681	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	45758	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr5-1695	6.838514	-1.03793	0.916988	-1.13189	0.257681	0.981636	chr5	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	4674	NM_001329	54908	Hs.368710	NM_017785	ENSG00000	SPDL1	CCDC99	spindle a	protein-coding
chr10-587	6.716506	1.039527	0.918488	1.131781	0.257726	0.981636	chr10	58729512	58729732	+	0	NA	intron (N	MSTA|LTR|	14607	NR_027508	728640	Hs.729209	NR_027508		FAM133CP	-	family wi	pseudo
chr19-104	6.716506	1.039527	0.918488	1.131781	0.257726	0.981636	chr19	10448670	10449417	+	0	NA	intron (N	intron (N	-3889	NM_006202	5141	Hs.89901	NM_006202	ENSG00000	PDE4A	DPDE2|PDE	phosphodi	protein-coding
chr3-4853	6.716506	1.039527	0.918488	1.131781	0.257726	0.981636	chr3	48535739	48537448	+	0	NA	intron (N	intron (N	13428	NR_106881	1.02E+08		NR_106881	ENSG00000	MIR6823	hsa-mir-6	microRNA	ncRNA
chr3-1969	6.716506	1.039527	0.918488	1.131781	0.257726	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1M1|LINE	-24616	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr7-7558	6.716506	1.039527	0.918488	1.131781	0.257726	0.981636	chr7	75580719	75582361	+	0	NA	intron (N	AluSx|SIN	-53417	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr22-223	7.890395	0.975681	0.862154	1.131678	0.25777	0.981636	chr22	22306489	22307065	+	0	NA	intron (N	intron (N	8679	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr5-4757	31.88929	0.517633	0.457444	1.131576	0.257813	0.981636	chr5	47572619	47572824	+	0	NA	Intergeni	ALR/Alpha	-1876341	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr4-8803	6.427905	-1.09701	0.969632	-1.13137	0.257901	0.981636	chr4	88037165	88037431	+	0	NA	intron (N	intron (N	29663	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr5-6235	8.094868	-0.95067	0.840382	-1.13123	0.257957	0.981636	chr5	62350654	62350912	+	0	NA	intron (N	AluSx|SIN	44621	NM_001243	3796	Hs.558351	NM_004520	ENSG00000	KIF2A	CDCBM3|HK	kinesin f	protein-coding
chr12-276	8.435981	0.921099	0.814266	1.131202	0.25797	0.981636	chr12	27655010	27655319	+	0	NA	exon (NM_	exon (NM_	-41283	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr15-399	8.435981	0.921099	0.814266	1.131202	0.25797	0.981636	chr15	39961313	39962497	+	0	NA	intron (N	intron (N	27790	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr19-374	8.435981	0.921099	0.814266	1.131202	0.25797	0.981636	chr19	37442939	37443901	+	0	NA	intron (N	intron (N	24024	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr9-1375	9.623736	0.871589	0.77064	1.130993	0.258058	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-3978	NM_001346	92715	Hs.292570	NM_138778	ENSG00000	DPH7	C9orf112|	diphthami	protein-coding
chr1-2775	9.093867	0.911395	0.805843	1.130984	0.258062	0.981636	chr1	27759940	27760236	+	0	NA	intron (N	intron (N	-13131	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr11-857	5.62515	-1.14343	1.012387	-1.12944	0.258711	0.981636	chr11	85746448	85746988	+	0	NA	intron (N	MIRc|SINE	11351	NM_001162	54843	Hs.369520	NM_032379	ENSG00000	SYTL2	CHR11SYT|	synaptota	protein-coding
chr15-727	5.62515	-1.14343	1.012387	-1.12944	0.258711	0.981636	chr15	72763960	72764393	+	0	NA	intron (N	Tigger1|D	-18659	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr2-1725	5.62515	-1.14343	1.012387	-1.12944	0.258711	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	Tigger13a	37474	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr20-317	5.62515	-1.14343	1.012387	-1.12944	0.258711	0.981636	chr20	31799279	31799820	+	0	NA	intron (N	L1MA8|LIN	-19826	NM_033118	85366	Hs.86092	NM_033118	ENSG00000	MYLK2	KMLC|MLCK	myosin li	protein-coding
chr18-494	6.667508	1.04202	0.923051	1.128887	0.258946	0.981636	chr18	49448845	49449088	+	0	NA	intron (N	HUERS-P3b	11679	NM_001353	54808	Hs.162996	NM_017653	ENSG00000	DYM	DMC|SMC	dymeclin	protein-coding
chr3-1415	6.667508	1.04202	0.923051	1.128887	0.258946	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1PA13|LI	57717	NM_001303	5922	Hs.98445	NM_006506	ENSG00000	RASA2	GAP1M	RAS p21 p	protein-coding
chr16-843	5.462187	1.150311	1.019055	1.128802	0.258981	0.981636	chr16	84313047	84313435	+	0	NA	intron (N	CpG-9999	18363	NM_021197	58189	Hs.36688	NM_021197	ENSG00000	WFDC1	PS20	WAP four-	protein-coding
chr6-1442	5.462187	1.150311	1.019055	1.128802	0.258981	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	5876	NM_007124	7402	Hs.133135	NM_007124	ENSG00000	UTRN	DMDL|DRP|	utrophin	protein-coding
chr7-1349	8.823202	-0.94311	0.835793	-1.1284	0.259149	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-16354	NR_160299	340351	Hs.648616	NM_178563	ENSG00000	AGBL3	CCP3	ATP/GTP b	protein-coding
chr13-282	7.425239	1.02586	0.90925	1.128248	0.259215	0.981636	chr13	28256417	28256782	+	0	NA	intron (N	intron (N	-117425	NR_029383	1E+08	Hs.123191	NR_029383		PAN3-AS1	-	PAN3 anti	ncRNA
chr1-2019	10.18689	0.837954	0.742779	1.128133	0.259264	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-6029	NR_106798	1.02E+08		NR_106798	ENSG00000	MIR6740	hsa-mir-6	microRNA	ncRNA
chr19-532	10.18689	0.837954	0.742779	1.128133	0.259264	0.981636	chr19	53237609	53245010	+	0	NA	intron (N	intron (N	13541	NM_001317	342926	Hs.20506	NM_182609	ENSG00000	ZNF677	-	zinc fing	protein-coding
chr22-279	5.444621	1.140356	1.011614	1.127264	0.259631	0.981636	chr22	27991672	27992910	+	0	NA	intron (N	intron (N	-71679	NR_036169	1E+08		NR_036169	ENSG00000	MIR3199-1	mir-3199-	microRNA	ncRNA
chr7-1298	5.444621	1.140356	1.011614	1.127264	0.259631	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	Intergeni	L1M4|LINE	-41751	NR_029615	406959		NR_029615	ENSG00000	MIR183	MIRN183|m	microRNA	ncRNA
chr2-9941	11.05147	-0.8117	0.720085	-1.12723	0.259647	0.981636	chr2	99410446	99410739	+	0	NA	intron (N	intron (N	73203	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr14-768	9.193712	0.917997	0.814436	1.127157	0.259676	0.981636	chr14	76803194	76803544	+	0	NA	intron (N	intron (N	9513	NM_015305	23357	Hs.497448	NM_015305	ENSG00000	ANGEL1	Ccr4e|KIA	angel hom	protein-coding
chr2-2034	3.675594	-1.40689	1.248655	-1.12672	0.259861	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	55317	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr16-727	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr16	72790031	72790300	+	0	NA	intron (N	intron (N	-125195	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr3-1055	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	MER1A|DNA	167007	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr4-1229	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	MER33|DNA	6791	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr5-8736	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr5	87369012	87369362	+	0	NA	intron (N	intron (N	43717	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr7-8735	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr7	87358153	87358438	+	0	NA	intron (N	AluY|SINE	12631	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr7-1393	5.599726	-1.15404	1.024437	-1.12651	0.25995	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx1|SI	26231	NM_016019	51631	Hs.731488	NM_016019	ENSG00000	LUC7L2	CGI-59|CC	LUC7 like	protein-coding
chr17-308	3.65017	-1.42349	1.263751	-1.1264	0.259996	0.981636	chr17	30868418	30870403	+	0	NA	intron (N	intron (N	36828	NM_024683	79736	Hs.317340	NM_024683	ENSG00000	TEFM	C17orf42	transcrip	protein-coding
chr19-237	3.65017	-1.42349	1.263751	-1.1264	0.259996	0.981636	chr19	23753711	23754194	+	0	NA	intron (N	L1M3a|LIN	4939	NM_138286	148213	Hs.399952	NM_138286	ENSG00000	ZNF681	-	zinc fing	protein-coding
chr10-564	5.511185	1.146921	1.018797	1.125759	0.260267	0.981636	chr10	5640471	5641765	+	0	NA	intron (N	AluSx1|SI	25477	NM_024701	79754	Hs.445899	NM_024701	ENSG00000	ASB13	-	ankyrin r	protein-coding
chr19-181	5.511185	1.146921	1.018797	1.125759	0.260267	0.981636	chr19	18113570	18114409	+	0	NA	intron (N	L2b|LINE|	-15173	NM_001290	3594	Hs.567294	NM_005535	ENSG00000	IL12RB1	CD212|IL-	interleuk	protein-coding
chr7-3565	5.511185	1.146921	1.018797	1.125759	0.260267	0.981636	chr7	35653325	35654188	+	0	NA	intron (N	L1MA4A|LI	41379	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr1-1682	8.451697	0.916966	0.814535	1.125754	0.260269	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	Intergeni	L1MC|LINE	-8706	NR_026844	84832	Hs.537067	NR_026844	ENSG00000	ANKRD36BP	ANKRD26L1	ankyrin r	pseudo
chr17-218	8.451697	0.916966	0.814535	1.125754	0.260269	0.981636	chr17	2185816	2186735	+	0	NA	intron (N	intron (N	-46403	NR_110888	1.02E+08	Hs.665648	NR_110888	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-394	8.451697	0.916966	0.814535	1.125754	0.260269	0.981636	chr22	39416685	39417683	+	0	NA	intron (N	intron (N	-14976	NR_040535	1.01E+08	Hs.729080	NR_040535		LOC100506	-	uncharact	ncRNA
chr3-1382	8.451697	0.916966	0.814535	1.125754	0.260269	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	56478	NM_001349	347736	Hs.660992	NM_178130	ENSG00000	NME9	NM23-H9|T	NME/NM23	protein-coding
chr4-6302	8.451697	0.916966	0.814535	1.125754	0.260269	0.981636	chr4	6302225	6302668	+	0	NA	exon (NM_	exon (NM_	32596	NM_001145	7466	Hs.518602	NM_006005	ENSG00000	WFS1	CTRCT41|W	wolframin	protein-coding
chr16-382	28.0083	0.537998	0.478522	1.124289	0.26089	0.981636	chr16	38266293	38268929	+	0	NA	Intergeni	ALR/Alpha	2521059	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr16-160	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr16	1605420	1607131	+	0	NA	intron (N	intron (N	5797	NM_014714	9742	Hs.389438	NM_014714	ENSG00000	IFT140	MZSDS|RP8	intraflag	protein-coding
chr2-7099	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr2	70990516	70991561	+	0	NA	intron (N	intron (N	3835	NM_144582	113419	Hs.516087	NM_144582	ENSG00000	TEX261	TEG-261	testis ex	protein-coding
chr20-436	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr20	43618238	43618724	+	0	NA	intron (N	AluSx|SIN	27544	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr21-375	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr21	37500711	37500972	+	0	NA	intron (N	L1MEf|LIN	80542	NM_130438	1859	Hs.368240	NM_001396	ENSG00000	DYRK1A	DYRK|DYRK	dual spec	protein-coding
chr3-7356	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr3	73568315	73568859	+	0	NA	intron (N	intron (N	928	NM_001303	23024	Hs.660347	NM_015009	ENSG00000	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr7-1119	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	L2a|LINE|	105732	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr7-1511	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	22319	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr8-4771	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr8	47712718	47713024	+	0	NA	exon (NM_	exon (NM_	25293	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr9-9351	5.452479	1.137052	1.011502	1.124122	0.260961	0.981636	chr9	93519652	93520119	+	0	NA	intron (N	intron (N	-56699	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|G	PHD finge	protein-coding
chr7-1235	8.930904	-0.9287	0.826186	-1.12408	0.260978	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJb|SIN	8158	NM_001282	4698	Hs.651219	NM_005000	ENSG00000	NDUFA5	B13|CI-13	NADH:ubiq	protein-coding
chr7-1290	9.836252	-0.85019	0.756581	-1.12372	0.26113	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MB7|LIN	16142	NR_034053	23534	Hs.193613	NM_012470	ENSG00000	TNPO3	IPO12|LGM	transport	protein-coding
chr18-273	12.81827	-0.75054	0.668045	-1.12348	0.261233	0.981636	chr18	2739944	2740263	+	0	NA	intron (N	L1PA7|LIN	84216	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr6-1051	6.161212	1.109159	0.987364	1.123353	0.261287	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	11700	NM_147147	11149	Hs.221660	NM_007073	ENSG00000	BVES	CARICK|HE	blood ves	protein-coding
chr10-943	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr10	94351391	94353941	+	0	NA	intron (N	AluSx|SIN	10273	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr11-119	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr11	11978230	11978498	+	0	NA	intron (N	intron (N	30275	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr2-7569	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr2	75693046	75693344	+	0	NA	intron (N	AluSz6|SI	17720	NM_003203	6936	Hs.303808	NM_003203	ENSG00000	GCFC2	C2orf3|DN	GC-rich s	protein-coding
chr2-2014	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluJb|SIN	3808	NM_001206	55437	Hs.652338	NM_018571	ENSG00000	STRADB	ALS2CR2|C	STE20 rel	protein-coding
chr2-2307	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluJb|SIN	53088	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr21-363	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr21	36354495	36355165	+	0	NA	intron (N	Tigger2|D	-30562	NM_005441	8208	Hs.75238	NM_005441	ENSG00000	CHAF1B	CAF-1|CAF	chromatin	protein-coding
chr3-4263	6.889361	-1.02124	0.909319	-1.12309	0.2614	0.981636	chr3	42631210	42631477	+	0	NA	intron (N	intron (N	-22354	NM_145166	92999	Hs.409561	NM_145166	ENSG00000	ZBTB47	ZNF651	zinc fing	protein-coding
chr12-296	5.699571	-1.12883	1.005203	-1.12298	0.261445	0.981636	chr12	29623449	29624219	+	0	NA	intron (N	(TAAAT)n|	-124141	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr12-798	5.699571	-1.12883	1.005203	-1.12298	0.261445	0.981636	chr12	79804573	79805200	+	0	NA	intron (N	MIR3|SINE	109025	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr9-1151	5.699571	-1.12883	1.005203	-1.12298	0.261445	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	L2a|LINE|	15351	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|G	tenascin	protein-coding

chr7-7662	6.685074	1.050371	0.935387	1.122927	0.261469	0.981636	chr7	76622320	76622597	+	0	NA	intron (N	AluSg4|SI	4845	NM_152992	22932	Hs.488877	NM_012230	ENSG00000	POMZP3	POM-ZP3|F	POM121 ar	protein-coding
chr20-410	9.810828	-0.85587	0.762291	-1.12275	0.261542	0.981636	chr20	41084832	41086569	+	0	NA	intron (N	L1ME3G|LI	-51843	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PI	phospholi	protein-coding
chr2-7454	8.120291	-0.94368	0.840715	-1.12247	0.261663	0.981636	chr2	74543513	74544395	+	0	NA	intron (N	intron (N	-5066	NM_001197	1796	Hs.103854	NM_001381	ENSG00000	DOK1	P62DOK|pp	docking p	protein-coding
chr7-1301	8.120291	-0.94368	0.840715	-1.12247	0.261663	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	25538	NM_032842	84928	Hs.267245	NM_032842	ENSG00000	TMEM209	NET31	transmemb	protein-coding
chr1-1143	8.161431	-0.93968	0.837415	-1.12212	0.261812	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	114929	NM_033020	51592	Hs.26837	NM_015906	ENSG00000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr7-1344	8.510402	0.923863	0.823592	1.121747	0.26197	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	2509	NM_001628	231	Hs.521212	NM_001628	ENSG00000	AKR1B1	ADR|ALDR1	aldo-keto	protein-coding
chr2-1275	11.00062	-0.82197	0.732953	-1.12145	0.262096	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	21879	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr4-3927	7.896403	0.961699	0.857796	1.121127	0.262234	0.981636	chr4	39273399	39273860	+	0	NA	intron (N	MER68|LTR	91100	NM_025132	57728	Hs.438482	NM_025132	ENSG00000	WDR19	ATD5|CED4	WD repeat	protein-coding
chr9-1282	7.896403	0.961699	0.857796	1.121127	0.262234	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	LTR13A|LT	3653	NM_001040	375757	Hs.259594	NM_001040	ENSG00000	SWI5	C9orf119|	SWI5 homo	protein-coding
chr11-352	9.828394	-0.84897	0.757327	-1.12101	0.262284	0.981636	chr11	35203368	35211480	+	0	NA	intron (N	intron (N	44474	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr10-406	17.67924	0.662811	0.591413	1.120725	0.262405	0.981636	chr10	40643502	40644673	+	0	NA	Intergeni	ALR/Alpha	1723958	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr8-1312	6.938359	-1.01802	0.908434	-1.12063	0.262445	0.981636	chr8	13128428	13128856	+	0	NA	intron (N	AluY|SINE	4647	NM_006094	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|F	DLC1 Rho	protein-coding
chr4-1031	6.386765	-1.10245	0.984179	-1.12018	0.262639	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L2a|LINE|	-48895	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr1-2250	6.691082	1.033917	0.923152	1.119986	0.26272	0.981636	chr1	22506262	22507232	+	0	NA	intron (N	intron (N	54896	NM_001330	9923	Hs.418966	NM_014870	ENSG00000	ZBTB40	ZNF923	zinc fing	protein-coding
chr22-466	6.691082	1.033917	0.923152	1.119986	0.26272	0.981636	chr22	46673387	46674946	+	0	NA	intron (N	intron (N	53780	NM_015124	23151	Hs.475150	NM_015124	ENSG00000	GRAMD4	DIP	GRAM doma	protein-coding
chr7-9036	6.691082	1.033917	0.923152	1.119986	0.26272	0.981636	chr7	90361349	90361874	+	0	NA	intron (N	L1PA6|LIN	14895	NM_033107	85865	Hs.593547	NM_033107	ENSG00000	GTPBP10	ObgH2|UGC	GTP bindi	protein-coding
chr1-1564	10.19475	0.836231	0.74672	1.119873	0.262768	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	10939	NM_001271	4209	Hs.314327	NM_005920	ENSG00000	MEF2D	-	myocyte e	protein-coding
chr1-2202	10.19475	0.836231	0.74672	1.119873	0.262768	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	THE1C-int	17487	NR_001587	6791	Hs.654849	NR_001587		AURKAP1	AURKAPS1|	aurora ki	pseudo
chr1-2329	10.19475	0.836231	0.74672	1.119873	0.262768	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	L2a|LINE|	6897	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|F	nucleosid	protein-coding
chr3-4334	10.19475	0.836231	0.74672	1.119873	0.262768	0.981636	chr3	43343550	43343749	+	0	NA	intron (N	intron (N	8313	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr19-104	6.649943	1.033756	0.923303	1.119628	0.262872	0.981636	chr19	10464100	10464546	+	0	NA	intron (N	AluSg|SIN	11391	NM_006202	5141	Hs.89901	NM_006202	ENSG00000	PDE4A	DPDE2|PDE	phosphodi	protein-coding
chr19-151	6.649943	1.033756	0.923303	1.119628	0.262872	0.981636	chr19	15186229	15186847	+	0	NA	intron (N	AluSx1|SI	-7188	NR_106853	1.02E+08		NR_106853	ENSG00000	MIR6795	hsa-mir-6	microRNA	ncRNA
chr21-360	6.649943	1.033756	0.923303	1.119628	0.262872	0.981636	chr21	36050308	36050560	+	0	NA	intron (N	intron (N	9930	NM_001007	54093	Hs.606200	NM_017438	ENSG00000	SETD4	C21orf18|	SET domai	protein-coding
chr4-8386	6.649943	1.033756	0.923303	1.119628	0.262872	0.981636	chr4	8386958	8387346	+	0	NA	intron (N	intron (N	53571	NM_003501	8310	Hs.479122	NM_003501	ENSG00000	ACOX3	-	acyl-CoA	protein-coding
chr5-1394	6.649943	1.033756	0.923303	1.119628	0.262872	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJr|SIN	5019	NM_152686	202052	Hs.483537	NM_152686	ENSG00000	DNAJC18	-	DnaJ heat	protein-coding
chr1-2916	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr1	29164283	29165238	+	0	NA	intron (N	intron (N	17140	NM_005626	6429	Hs.469970	NM_005626	ENSG00000	SRSF4	SFRS4|SRF	serine ar	protein-coding
chr1-1800	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-67409	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr13-449	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr13	44960018	44960236	+	0	NA	intron (N	AluSg|SIN	29344	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr13-110	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	THE1B|LTR	-5449	NR_107040	1.02E+08		NR_107040	ENSG00000	MIR8073	hsa-mir-8	microRNA	ncRNA
chr19-192	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr19	1922607	1922806	+	0	NA	intron (N	intron (N	17307	NM_001329	113178	Hs.144980	NM_079834	ENSG00000	SCAMP4	SCAMP-4	secretory	protein-coding
chr3-1293	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9955	NR_002992	677797	Hs.711399	NR_002992	ENSG00000	SNORA7B	ACA7B	small nuc	snoRNA
chr5-1507	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	7913	NM_032947	85027	Hs.29444	NM_032947	ENSG00000	SMIM3	C5orf62|M	small int	protein-coding
chr9-1229	5.650574	-1.133	1.012198	-1.11935	0.262991	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	L2c|LINE|	36718	NM_012197	23637	Hs.271341	NM_012197	ENSG00000	RABGAP1	GAPCENA|T	RAB GTPas	protein-coding
chr1-4396	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr1	43962536	43963553	+	0	NA	intron (N	intron (N	-6966	NM_001319	1802	Hs.632398	NM_001384	ENSG00000	DPH2	DPH2L2	diphthami	protein-coding
chr1-2302	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	AluSx1|SI	170155	NM_001258	79605	Hs.520463	NM_024554	ENSG00000	PGBD5	-	piggyBac	protein-coding
chr14-100	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr14	1E+08	1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14035	NR_106822	1.02E+08		NR_106822	ENSG00000	MIR6764	hsa-mir-6	microRNA	ncRNA
chr20-283	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr20	28315580	28316224	+	0	NA	Intergeni	ALR/Alpha	286763	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-302	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr22	30283187	30286572	+	0	NA	TTS (NM_0	TTS (NM_0	4748	NM_001037	652968	Hs.444950	NM_001037	ENSG00000	CASTOR1	GATSL3	cytosolic	protein-coding
chr22-439	5.485761	1.140275	1.01873	1.11931	0.263008	0.981636	chr22	43932842	43934858	+	0	NA	intron (N	intron (N	10045	NM_025225	80339	Hs.654800	NM_025225	ENSG00000	PNPLA3	ADPN|C22o	patatin l	protein-coding
chr14-601	6.85608	-1.02783	0.918541	-1.11898	0.263149	0.981636	chr14	60130403	60130844	+	0	NA	intron (N	MLT1A|LTR	34775	NM_016029	51635	Hs.59719	NM_016029	ENSG00000	DHRS7	CGI-86|SD	dehydroge	protein-coding
chr5-6239	6.85608	-1.02783	0.918541	-1.11898	0.263149	0.981636	chr5	62392330	62394271	+	0	NA	intron (N	FLAM_A|SI	10605	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr10-878	5.691713	-1.12675	1.007125	-1.11878	0.263234	0.981636	chr10	87804794	87805572	+	0	NA	intron (N	intron (N	13048	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr15-654	6.830656	-1.03634	0.926393	-1.11868	0.263275	0.981636	chr15	65478419	65478659	+	0	NA	intron (N	AluSx|SIN	38735	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr2-1799	6.830656	-1.03634	0.926393	-1.11868	0.263275	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	MER44A|DN	21542	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr6-1175	6.830656	-1.03634	0.926393	-1.11868	0.263275	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	LTR28B|LT	19336	NM_001017	57120	Hs.191539	NM_020399	ENSG00000	GOPC	CAL|FIG|G	golgi ass	protein-coding
chr1-1513	8.484978	0.919341	0.821882	1.118581	0.263319	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	6883	NM_001258	8991	Hs.632460	NM_003944	ENSG00000	SELENBP1	EHMTO|HEL	selenium	protein-coding
chr10-324	8.484978	0.919341	0.821882	1.118581	0.263319	0.981636	chr10	32487655	32488363	+	0	NA	intron (N	L1PA4|LIN	41869	NR_109827	79741	Hs.585464	NM_024688	ENSG00000	CCDC7	BIOT2|Bic	coiled-co	protein-coding
chr12-108	8.484978	0.919341	0.821882	1.118581	0.263319	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSc|SIN	5138	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr9-6691	8.484978	0.919341	0.821882	1.118581	0.263319	0.981636	chr9	66911917	66917414	+	0	NA	intron (N	L1MB7|LIN	11304	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr15-491	11.04361	-0.8106	0.724744	-1.11846	0.26337	0.981636	chr15	49136722	49137068	+	0	NA	intron (N	AluJb|SIN	18704	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sign	protein-coding
chr11-119	8.08701	-0.94917	0.849042	-1.11793	0.263596	0.981636	chr11	11951090	11951517	+	0	NA	intron (N	MLT1C|LTR	57336	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr4-1691	8.08701	-0.94917	0.849042	-1.11793	0.263596	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-95125	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr19-532	6.657801	1.031053	0.923333	1.116665	0.264138	0.981636	chr19	53209703	53209994	+	0	NA	Intergeni	L1PA7|LIN	-3100	NR_073396	390963	Hs.444446	NM_001001675		ZNF818P	ZNF818	zinc fing	pseudo
chr1-1576	7.238518	0.97761	0.875947	1.11606	0.264396	0.981636	chr1	15765006	15765946	+	0	NA	intron (N	intron (N	977	NM_001024	54751	Hs.530101	NM_017556	ENSG00000	FBLIM1	CAL|FBLP-	filamin b	protein-coding
chr1-1647	7.238518	0.97761	0.875947	1.11606	0.264396	0.981636	chr1	16476764	16478645	+	0	NA	intron (N	intron (N	14997	NR_023386	114819	Hs.597881	NR_023386	ENSG00000	CROCCP3	CROCCL2|c	CROCC pse	pseudo
chr10-295	7.238518	0.97761	0.875947	1.11606	0.264396	0.981636	chr10	29515998	29517411	+	0	NA	intron (N	intron (N	28393	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-466	7.238518	0.97761	0.875947	1.11606	0.264396	0.981636	chr11	46671471	46673406	+	0	NA	non-codin	non-codin	28181	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr6-3743	7.238518	0.97761	0.875947	1.11606	0.264396	0.981636	chr6	37435653	37437218	+	0	NA	intron (N	MLT1C|LTR	3214	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr1-1553	8.426273	0.912444	0.817664	1.115915	0.264458	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-2405	NM_001105	23623	Hs.226499	NM_014328	ENSG00000	RUSC1	NESCA	RUN and S	protein-coding
chr17-302	8.426273	0.912444	0.817664	1.115915	0.264458	0.981636	chr17	30272728	30272927	+	0	NA	exon (NM_	exon (NM_	19117	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr15-996	8.153573	-0.93813	0.840907	-1.11562	0.264586	0.981636	chr15	99677004	99677308	+	0	NA	intron (N	intron (N	44178	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr5-4839	6.749787	1.042225	0.934232	1.115596	0.264595	0.981636	chr5	48394772	48396181	+	0	NA	Intergeni	ALR/Alpha	2045812	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-2197	9.820536	-0.84776	0.759956	-1.11554	0.26462	0.981636	chrX	21978421	21978637	+	0	NA	intron (N	AluSx1|SI	37820	NM_004595	6611	Hs.724874	NM_004595	ENSG00000	SMS	MRSR|SPMS	spermine	protein-coding
chr20-411	4.930468	1.241204	1.112799	1.115389	0.264684	0.981636	chr20	41159795	41160138	+	0	NA	intron (N	intron (N	-9057	NR_106931	1.02E+08		NR_106931	ENSG00000	MIR6871	hsa-mir-6	microRNA	ncRNA
chr19-271	18.68028	0.633296	0.567786	1.115378	0.264689	0.981636	chr19	27111284	27112701	+	0	NA	Intergeni	ALR/Alpha	-681439	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-395	4.188453	1.297649	1.163512	1.115286	0.264728	0.981636	chr17	39569720	39571126	+	0	NA	Intergeni	Intergeni	37497	NM_006160	4761	Hs.322431	NM_006160	ENSG00000	NEUROD2	EIEE72|ND	neuronal	protein-coding
chr1-6813	7.23066	0.98006	0.879197	1.114721	0.26497	0.981636	chr1	68137195	68137532	+	0	NA	intron (N	intron (N	46247	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr5-6715	7.23066	0.98006	0.879197	1.114721	0.26497	0.981636	chr5	67152856	67153740	+	0	NA	intron (N	intron (N	43501	NM_005582	4064	Hs.87205	NM_005582	ENSG00000	CD180	LY64|Ly78	CD180 mol	protein-coding
chr8-1244	9.795112	-0.85346	0.765693	-1.11462	0.265014	0.981636	chr8	12449665	12449870	+	0	NA	intron (N	intron (N	12754	NR_040091	1.01E+08	Hs.656893	NR_040091		LOC100506	-	uncharact	ncRNA
chr12-507	6.922643	-1.01456	0.911231	-1.1134	0.265537	0.981636	chr12	50770815	50771452	+	0	NA	intron (N	AluSx|SIN	7032	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr15-627	6.922643	-1.01456	0.911231	-1.1134	0.265537	0.981636	chr15	62729967	62730918	+	0	NA	intron (N	L1ME3A|LI	83131	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr1-2014	12.43438	0.753024	0.676403	1.113278	0.265589	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	2823	NR_073080	23612	Hs.153944	NM_012396	ENSG00000	PHLDA3	TIH1	pleckstri	protein-coding
chr19-476	8.402699	0.918671	0.825203	1.113267	0.265594	0.981636	chr19	47676979	47677259	+	0	NA	intron (N	MIR|SINE|	-36303	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr3-1336	3.708876	-1.39327	1.251969	-1.11286	0.265767	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	34887	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr4-7324	3.708876	-1.39327	1.251969	-1.11286	0.265767	0.981636	chr4	73249366	73250139	+	0	NA	intron (N	AluSx4|SI	9046	NM_032217	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr1-2644	8.605322	-0.89725	0.807102	-1.11169	0.266271	0.981636	chr1	26449153	26449373	+	0	NA	intron (N	AluSx1|SI	16942	NM_205861	79947	Hs.369385	NM_024887	ENSG00000	DHDDS	CIT|CPT|D	dehydrodo	protein-coding
chr11-573	8.605322	-0.89725	0.807102	-1.11169	0.266271	0.981636	chr11	57330803	57331198	+	0	NA	intron (N	intron (N	4892	NM_003146	6749	Hs.523680	NM_003146	ENSG00000	SSRP1	FACT|FACT	structure	protein-coding
chr6-1614	8.605322	-0.89725	0.807102	-1.11169	0.266271	0.981636	chr6	1614054	1615533	+	0	NA	TTS (NM_0	TTS (NM_0	4878	NM_001453	2296	Hs.348883	NM_001453	ENSG00000	FOXC1	ARA|ASGD3	forkhead	protein-coding
chr1-1496	9.425643	-0.879	0.790869	-1.11144	0.266379	0.981636	chr1	14963194	14963514	+	0	NA	intron (N	MIRb|SINE	17435	NM_001017	23254	Hs.368823	NM_015209	ENSG00000	KAZN	KAZ	kazrin, p	protein-coding
chr1-1096	5.419198	1.133636	1.020425	1.110945	0.266592	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx|SIN	5105	NM_000848	2946	Hs.279837	NM_000848	ENSG00000	GSTM2	GST4|GSTM	glutathio	protein-coding
chr3-9324	5.419198	1.133636	1.020425	1.110945	0.266592	0.981636	chr3	9324948	9325327	+	0	NA	Intergeni	MER57-int	-37917	NM_001114	25917	Hs.443081	NM_015453	ENSG00000	THUMPD3	-	THUMP dom	protein-coding
chr6-2639	5.419198	1.133636	1.020425	1.110945	0.266592	0.981636	chr6	26391204	26391660	+	0	NA	intron (N	intron (N	8324	NM_001197	10385	Hs.373938	NM_006995	ENSG00000	BTN2A2	BT2.2|BTF	butyrophi	protein-coding
chr8-9485	5.419198	1.133636	1.020425	1.110945	0.266592	0.981636	chr8	94856056	94857117	+	0	NA	intron (N	intron (N	33296	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr15-651	5.617292	-1.14137	1.027583	-1.11073	0.266684	0.981636	chr15	65122411	65122610	+	0	NA	intron (N	L1ME4c|LI	11298	NM_005707	10081	Hs.458596	NM_005707	ENSG00000	PDCD7	ES18|HES1	programme	protein-coding
chr2-9712	5.617292	-1.14137	1.027583	-1.11073	0.266684	0.981636	chr2	97129093	97129437	+	0	NA	intron (N	L1PA4|LIN	16112	NM_001354	375248	Hs.541894	NM_198555	ENSG00000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr10-979	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr10	979449	980385	+	0	NA	Intergeni	AluY|SINE	-8517	NM_012341	23560	Hs.215766	NM_012341	ENSG00000	GTPBP4	CRFG|NGB|	GTP bindi	protein-coding
chr10-792	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr10	79213177	79214495	+	0	NA	intron (N	MIR|SINE|	-133633	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr18-745	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr18	74501996	74502214	+	0	NA	intron (N	AluSx|SIN	2517	NM_001168	55748	Hs.149185	NM_018235	ENSG00000	CNDP2	CN2|CPGL|	carnosine	protein-coding
chr3-1135	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr3	11358286	11358763	+	0	NA	exon (NM_	exon (NM_	86127	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-7575	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr3	75751562	75754868	+	0	NA	intron (N	CER|Satel	14935	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr3-1836	7.213094	0.972456	0.875559	1.110669	0.266711	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	17031	NM_001349	54800	Hs.407709	NM_017644	ENSG00000	KLHL24	DRE1|EBSS	kelch lik	protein-coding
chr4-1062	7.271799	0.980397	0.882733	1.110638	0.266724	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-85602	NM_001142	9255	Hs.591680	NM_004757	ENSG00000	AIMP1	EMAP2|EMA	aminoacyl	protein-coding
chr3-9851	8.597464	-0.89587	0.806934	-1.11021	0.266908	0.981636	chr3	98516864	98517312	+	0	NA	exon (NM_	exon (NM_	5814	NM_001040	56650	Hs.531371	NM_019895	ENSG00000	CLDND1	C3orf4|GE	claudin d	protein-coding
chr1-1848	5.683855	-1.12454	1.013085	-1.11001	0.266994	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1PA6|LIN	-62722	NR_135118	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr11-576	5.683855	-1.12454	1.013085	-1.11001	0.266994	0.981636	chr11	57641803	57642265	+	0	NA	TTS (NR_0	TTS (NR_0	836	NR_029673	406919		NR_029673	ENSG00000	MIR130A	MIRN130A|	microRNA	ncRNA
chr20-253	5.683855	-1.12454	1.013085	-1.11001	0.266994	0.981636	chr20	25323170	25323649	+	0	NA	exon (NM_	exon (NM_	67426	NM_015600	26090	Hs.441550	NM_015600	ENSG00000	ABHD12	ABHD12A|B	abhydrola	protein-coding
chr1-1934	6.881504	-1.01939	0.918628	-1.10969	0.267132	0.981636	chr1	19344351	19344580	+	0	NA	intron (N	intron (N	32139	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr11-320	6.881504	-1.01939	0.918628	-1.10969	0.267132	0.981636	chr11	32095348	32095640	+	0	NA	intron (N	AluY|SINE	4420	NM_002901	5954	Hs.97887	NM_002901	ENSG00000	RCN1	HEL-S-84|	reticuloc	protein-coding
chr11-532	16.40736	0.665943	0.600299	1.109353	0.267278	0.981636	chr11	53208737	53209056	+	0	NA	Intergeni	ALR/Alpha	1395102	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-662	7.205236	0.974883	0.87881	1.109321	0.267292	0.981636	chr11	66230654	66231930	+	0	NA	intron (N	intron (N	-26002	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr19-280	7.205236	0.974883	0.87881	1.109321	0.267292	0.981636	chr19	2805136	2805518	+	0	NA	intron (N	intron (N	-14541	NM_001102	115196	Hs.307043	NM_152303	ENSG00000	ZNF554	-	zinc fing	protein-coding
chr10-679	8.112433	-0.94207	0.849377	-1.10913	0.267375	0.981636	chr10	67961905	67962143	+	0	NA	intron (N	intron (N	48859	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr1-1680	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	L2b|LINE|	27479	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr13-992	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr13	99239446	99239882	+	0	NA	intron (N	intron (N	18764	NM_001098	2841	Hs.741589	NM_005292	ENSG00000	GPR18	-	G protein	protein-coding
chr15-857	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr15	85745164	85745947	+	0	NA	3’ UTR (N	3’ UTR (N	13170	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr19-360	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr19	36015420	36017118	+	0	NA	intron (N	intron (N	1767	NM_001290	1.02E+08	Hs.676116	NM_001290056		LOC101927	-	uncharact	protein-coding
chr19-434	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr19	43490627	43491334	+	0	NA	intron (N	MIRb|SINE	13853	NM_198850	653583	Hs.631581	NM_198850	ENSG00000	PHLDB3	-	pleckstri	protein-coding
chr19-500	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr19	50010571	50010966	+	0	NA	intron (N	AluSx1|SI	14604	NM_016440	51231	Hs.443330	NM_016440	ENSG00000	VRK3	-	VRK serin	protein-coding
chr9-1934	7.246376	0.975197	0.879346	1.109004	0.267429	0.981636	chr9	19347086	19347612	+	0	NA	intron (N	AluSx|SIN	32887	NM_001010	6194	Hs.408073	NM_001010	ENSG00000	RPS6	S6	ribosomal	protein-coding
chr7-1521	8.973709	0.875245	0.789408	1.108735	0.267544	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	MADE1|DNA	96118	NM_001371474								
chr7-3566	8.385134	0.91204	0.823054	1.108116	0.267812	0.981636	chr7	35667440	35667698	+	0	NA	exon (NM_	exon (NM_	27566	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr1-2675	8.587756	-0.90526	0.816964	-1.10807	0.26783	0.981636	chr1	26758847	26759371	+	0	NA	intron (N	intron (N	-28854	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr11-714	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr11	71441313	71443694	+	0	NA	intron (N	intron (N	5890	NM_001163	1717	Hs.503134	NM_001360	ENSG00000	DHCR7	SLOS	7-dehydro	protein-coding
chr17-426	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr17	42689901	42691039	+	0	NA	intron (N	AluSx|SIN	7939	NM_003632	8506	Hs.408730	NM_003632	ENSG00000	CNTNAP1	CASPR|CHN	contactin	protein-coding
chr19-498	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr19	4982902	4983950	+	0	NA	intron (N	intron (N	14313	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-2301	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	36935	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr4-5550	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr4	5550360	5551783	+	0	NA	Intergeni	THE1B-int	25915	NR_126517	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr6-4179	5.460337	1.13355	1.023051	1.108008	0.267858	0.981636	chr6	41795740	41796469	+	0	NA	3’ UTR (N	3’ UTR (N	8661	NM_001134	1E+08	Hs.731633	NM_001134	ENSG00000	TOMM6	OBTP|TOM6	transloca	protein-coding
chr1-3294	6.724364	1.036581	0.935597	1.107935	0.26789	0.981636	chr1	32948188	32948643	+	0	NA	intron (N	intron (N	16394	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr14-102	5.427056	1.130283	1.020313	1.107781	0.267956	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	26664	NM_001353	5891	Hs.36859	NM_014226	ENSG00000	MOK	RAGE|RAGE	MOK prote	protein-coding
chr19-233	5.427056	1.130283	1.020313	1.107781	0.267956	0.981636	chr19	23352832	23353137	+	0	NA	Intergeni	L1PB1|LIN	42487	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr13-241	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr13	24166984	24167733	+	0	NA	intron (N	intron (N	4942	NR_031753	1E+08		NR_031753	ENSG00000	MIR2276	-	microRNA	ncRNA
chr4-1918	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr4	1918958	1919978	+	0	NA	intron (N	intron (N	18842	NM_133334	7468	Hs.113876	NM_007331	ENSG00000	NSD2	KMT3F|KMT	nuclear r	protein-coding

chr5-135	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	Intergeni	Intergeni	-7125	NR_16123	1.01E+08		NR_161235		C5orf66	-	chromosom	ncRNA
chr5-149	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	3955	NR_10505	728264	Hs.51966	NR_027180		CARMN	CARMEN|M	cardiac m	ncRNA
chr7-140	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (	intron (	21817	NM_02275	64761	Hs.12646	NM_02275	ENSG0000	PARP12	ARTD12|M	poly(ADP-	protein-coding
chr7-140	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (	L1ME2|LI	17982	NM_02275	64761	Hs.12646	NM_02275	ENSG0000	PARP12	ARTD12|M	poly(ADP-	protein-coding
chr8-130	4.896816	-1.18584	1.070859	-1.10737	0.268133	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	-23590	NR_00276	29065	Hs.63931	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr16-22	9.894957	-0.84022	0.75876	-1.10736	0.268138	0.981636	chr16	22341282	22341668	+	0	NA	Intergeni	AluSx|SI	33144	NM_00180	1039	Hs.51343	NM_00180	ENSG0000	CDR2	CDR62|Yo	cerebella	protein-coding
chr21-26	4.904674	-1.18817	1.073236	-1.10709	0.268255	0.981636	chr21	26928679	26929224	+	0	NA	intron (	intron (	-25010	NR_03991	1.01E+08		NR_03991	ENSG0000	MIR4759	-	microRNA	ncRNA
chr17-43	10.75004	0.807802	0.729743	1.106967	0.268308	0.981636	chr17	43399941	43400986	+	0	NA	3’ UTR (	3’ UTR (	1470	NM_001661	379	Hs.18315	NM_001661	ENSG0000	ARL4D	ARF4L|AR	ADP ribos	protein-coding
chr14-761	8.630745	-0.89085	0.804973	-1.10669	0.26843	0.981636	chr14	76180777	76182070	+	0	NA	intron (	L2a|LINE|	27069	NR_110314	55668	Hs.410231	NM_01792	ENSG0000	GPATCH2L	C14orf11	G-patch d	protein-coding
chr19-12	10.69133	0.802097	0.724857	1.106559	0.268484	0.981636	chr19	12463898	12468080	+	0	NA	intron (	AluSx1|SI	18827	NM_152601	163051	Hs.63162	NM_152601	ENSG0000	ZNF709	-	zinc fing	protein-coding
chr1-149	12.44224	0.751638	0.679306	1.106478	0.26852	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	19524	NM_001277	400818	Hs.44508	NM_001037	ENSG0000	NBPF9	AE01	NBPF memb	protein-coding
chr20-32	8.981566	0.87332	0.789562	1.106082	0.268691	0.981636	chr20	32451768	32453319	+	0	NA	intron (	intron (	30947	NM_001351	140688	Hs.51697	NM_08061	ENSG0000	NOL4L	C20orf11	nucleolar	protein-coding
chr19-25	21.18106	0.626967	0.566897	1.105964	0.268742	0.981636	chr19	25520614	25520844	+	0	NA	Intergeni	ALR/Alph	-1357282	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr10-40	10.2026	0.83444	0.754669	1.105705	0.268854	0.981636	chr10	40081253	40082143	+	0	NA	Intergeni	ALR/Alph	1385102	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr7-602	10.2026	0.83444	0.754669	1.105705	0.268854	0.981636	chr7	60234792	60235021	+	0	NA	Intergeni	ALR/Alph	2784729	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr13-20	8.589606	-0.8945	0.809016	-1.10567	0.268871	0.981636	chr13	20012393	20012592	+	0	NA	intron (	L1MB4|LI	52678	NR_14836	7750	Hs.50743	NM_00345	ENSG0000	ZMYM2	FIM|MYM|	zinc fing	protein-coding
chr2-200	8.589606	-0.8945	0.809016	-1.10567	0.268871	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	intron (	22387	NM_00128	26010	Hs.12032	NM_01553	ENSG0000	SPATS2L	DNAPTP6|	spermatog	protein-coding
chr7-1397	8.589606	-0.8945	0.809016	-1.10567	0.268871	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (	L1MA10|LI	69711	NM_00111	28996	Hs.731417	NM_02274	ENSG0000	HIPK2	PRO0593	homeodoma	protein-coding
chr19-12	10.72462	0.804137	0.727367	1.105545	0.268924	0.981636	chr19	12318576	12321684	+	0	NA	intron (	AluSg|SI	13503	NM_14527	147837	Hs.66351	NM_14527	ENSG0000	ZNF563	-	zinc fing	protein-coding
chr9-1101	8.622888	-0.88948	0.804805	-1.10521	0.269069	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	3’ UTR (	3’ UTR (	36493	NM_00101	401546	Hs.12560	NM_00101	ENSG0000	C9orf152	bA470J20.	chromosom	protein-coding
chr11-28	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr11	28033618	28037048	+	0	NA	intron (	intron (	-21482	NR_030341	693195		NR_030341	ENSG0000	MIR610	MIRN610|	microRNA	ncRNA
chr12-53	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr12	53012833	53013707	+	0	NA	intron (	intron (	6814	NM_00133	1975	Hs.648394	NM_001417	ENSG0000	EIF4B	EIF-4B|P	eukaryoti	protein-coding
chr13-207	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr13	20794752	20795762	+	0	NA	intron (	intron (	-21296	NM_00131	221143	Hs.26674	NM_17492	ENSG0000	EEF1AKMT1	ESP13|N6	EEF1A lys	protein-coding
chr2-439	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr2	43969015	43969967	+	0	NA	intron (	intron (	26498	NM_13325	10128	Hs.368084	NM_13325	ENSG0000	LRPPRC	CLONE-23	leucine r	protein-coding
chr3-182	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (	AluSx3|SI	88042	NM_01461	23200	Hs.47842	NM_01461	ENSG0000	ATP11B	ATPIF|AT	ATPase ph	protein-coding
chr4-770	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr4	77046710	77047148	+	0	NA	TTS (NM_	TTS (NM_	27981	NM_00134	10983	Hs.518827	NM_00683	ENSG0000	CCNI	CCNI1|CY	cyclin I	protein-coding
chr7-283	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr7	2839737	2841920	+	0	NA	intron (	AluJr|SI	3480	NM_00735	2768	Hs.487341	NM_00735	ENSG0000	GNA12	NNX3|RMP|	G protein	protein-coding
chr8-133	4.92224	-1.17413	1.063048	-1.1045	0.269378	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (	L2b|LINE|	56856	NM_00303	6482	Hs.374257	NM_00303	ENSG0000	ST3GAL1	Gal-NAc6	ST3 beta-	protein-coding
chr17-42	8.948285	0.870982	0.788873	1.104084	0.269557	0.981636	chr17	42468194	42468521	+	0	NA	intron (	L1MA4A|LI	9479	NM_005177	535	Hs.463074	NM_005177	ENSG0000	ATP6V0A1	ATP6N1|A	ATPase H+	protein-coding
chr8-125	8.948285	0.870982	0.788873	1.104084	0.269557	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	10949	NM_00312	6713	Hs.71465	NM_00312	ENSG0000	SQLE	-	squalene	protein-coding
chr12-65	6.914785	-1.01269	0.91728	-1.10401	0.269588	0.981636	chr12	65309017	65309891	+	0	NA	intron (	L2c|LINE|	30467	NM_00119	253827	Hs.339024	NM_19808	ENSG0000	MSRB3	DFNB74	methionin	protein-coding
chr19-34	6.914785	-1.01269	0.91728	-1.10401	0.269588	0.981636	chr19	34320576	34321150	+	0	NA	intron (	AluJb|SI	-43877	NM_001184	2821	Hs.466471	NM_00017	ENSG0000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr1-9157	6.665658	1.02816	0.931369	1.103924	0.269626	0.981636	chr1	9157023	9157490	+	0	NA	intron (	intron (	-5479	NR_02961	407040		NR_02961	ENSG0000	MIR34A	MIRN34A|	microRNA	ncRNA
chr19-44	6.665658	1.02816	0.931369	1.103924	0.269626	0.981636	chr19	44632046	44632245	+	0	NA	intron (	HERVK9-i	-11653	NM_00113	5817	Hs.171844	NM_00650	ENSG0000	PVR	CD155|HV	PVR cell	protein-coding
chr2-222	3.701018	-1.39009	1.259308	-1.10385	0.269656	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (	intron (	65162	NR_130154	10056	Hs.47145	NM_005687	ENSG0000	FARSB	FARSLB|F	phenylala	protein-coding
chr2-231	7.220952	0.970023	0.878957	1.103606	0.269764	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (	intron (	-69629	NR_039937	1.01E+08		NR_039937	ENSG0000	MIR4777	-	microRNA	ncRNA
chr4-557	7.220952	0.970023	0.878957	1.103606	0.269764	0.981636	chr4	5573642	5574272	+	0	NA	intron (	intron (	48801	NR_126517	10141	Hs.17797	NM_00575	ENSG0000	LINC01587	C4orf6|a	long inte	ncRNA
chr5-8357	7.220952	0.970023	0.878957	1.103606	0.269764	0.981636	chr5	83572794	83574161	+	0	NA	intron (	Ricksha_	-11163	NR_13621	1.05E+08	Hs.643801	NR_13621	ENSG0000	VCAN-AS1	-	VCAN anti	ncRNA
chr5-151	7.220952	0.970023	0.878957	1.103606	0.269764	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	15230	NM_00132	2878	Hs.38679	NM_002084	ENSG0000	GPX3	GPx-P|GS	glutathio	protein-coding
chr7-590	7.220952	0.970023	0.878957	1.103606	0.269764	0.981636	chr7	5906036	5907324	+	0	NA	intron (	intron (	7947	NM_01562	51622	Hs.53000	NM_01562	ENSG0000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr3-150	11.57163	-0.7722	0.700087	-1.10301	0.270024	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (	intron (	4245	NM_00130	9819	Hs.72247	NM_01477	ENSG0000	TSC22D2	TILZ4a|T	TSC22 dom	protein-coding
chr1-4381	4.888958	-1.18359	1.07328	-1.10278	0.270122	0.981636	chr1	43814896	43815095	+	0	NA	intron (	intron (	-23627	NR_106727	1.02E+08		NR_106727	ENSG0000	MIR6079	hsa-mir-	microRNA	ncRNA
chr1-112	4.888958	-1.18359	1.07328	-1.10278	0.270122	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (	Charlie2	24295	NM_138727	54879	Hs.201921	NM_017744	ENSG0000	ST7L	FAM4B|ST	suppressi	protein-coding
chr18-107	4.888958	-1.18359	1.07328	-1.10278	0.270122	0.981636	chr18	10703494	10704035	+	0	NA	intron (	intron (	41831	NR_110777	1.02E+08	Hs.43690	NR_110777	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-5601	4.888958	-1.18359	1.07328	-1.10278	0.270122	0.981636	chr7	56019538	56020599	+	0	NA	intron (	AluSx|SI	31376	NM_00137	5723	Hs.51265	NM_004577	ENSG0000	PSPH	PSP|PSPH	phosphose	protein-coding
chr17-741	8.400849	0.907834	0.823324	1.102645	0.270181	0.981636	chr17	7414862	7415798	+	0	NA	intron (	intron (	-4994	NM_19933	374768	Hs.71059	NM_19933	ENSG0000	SPEM1	C17orf83	spermatic	protein-coding
chr6-1161	8.400849	0.907834	0.823324	1.102645	0.270181	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (	intron (	11277	NM_00049	1300	Hs.52033	NM_00049	ENSG0000	COL10A1	-	collagen	protein-coding
chr2-3711	7.366534	-0.95912	0.870051	-1.10237	0.270302	0.981636	chr2	37118060	37118459	+	0	NA	intron (	AluJb|SI	29563	NM_00113	5610	Hs.131431	NM_00275	ENSG0000	EIF2AK2	EIF2AK1|	eukaryoti	protein-coding
chr2-291	8.434131	0.910229	0.825758	1.102295	0.270334	0.981636	chr2	29154428	29154909	+	0	NA	intron (	L1MD2|LI	39253	NM_001287	79745	Hs.122927	NM_02469	ENSG0000	CLIP4	RSNL2	CAP-Gly d	protein-coding
chr16-31	7.374392	-0.96072	0.871571	-1.10229	0.270337	0.981636	chr16	31036163	31036455	+	0	NA	intron (	intron (	2751	NM_004604	6810	Hs.83734	NM_004604	ENSG0000	STX4	STX4A|p3	syntaxin	protein-coding
chr2-135	7.374392	-0.96072	0.871571	-1.10229	0.270337	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (	L1MA4|LI	-41737	NR_14572	1.1E+08		NR_14572	ENSG0000	SNORA40B	-	small nuc	snoRNA
chr7-6077	14.68974	0.693655	0.629648	1.101655	0.270612	0.981636	chr7	60776653	60777131	+	0	NA	Intergeni	ALR/Alph	2527164	NR_00395	643955	Hs.58330	NR_00395	ENSG0000	ZNF733P	ZNF733	zinc fing	pseudo
chr10-78	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr10	7824357	7825544	+	0	NA	intron (	intron (	6445	NM_03192	83860	Hs.52768	NM_03192	ENSG0000	TAF3	TAF140|T	TATA-box	protein-coding
chr18-87	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr18	8755269	8755859	+	0	NA	intron (	intron (	38183	NM_01521	23255	Hs.70792	NM_01521	ENSG0000	MTCL1	CCDC165|	microtubu	protein-coding
chr19-19	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr19	19300777	19302394	+	0	NA	intron (	intron (	18924	NM_172231	57794	Hs.515274	NM_021164	ENSG0000	SUGP1	F23858|R	SURP and	protein-coding
chr5-737	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr5	73766477	73766799	+	0	NA	intron (	MER5B|DN	-46908	NM_001244	64283	Hs.482521	NM_00108	ENSG0000	ARHGEF28	RGNEF|RI	Rho guani	protein-coding
chr5-177	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	AluSx1|SI	16305	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, me	protein-coding
chr6-225	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr6	2254706	2255047	+	0	NA	intron (	intron (	9123	NR_04622	1.01E+08	Hs.18882	NR_046229		GMDS-DT	GMDS-AS1	GMDS dive	ncRNA
chr7-102	7.18767	0.967282	0.878165	1.101481	0.270688	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	-45425	NM_02097	10603	Hs.48944	NM_02097	ENSG0000	SH2B2	APS	SH2B adap	protein-coding
chr2-555	6.848222	-1.02607	0.931554	-1.10146	0.270698	0.981636	chr2	55581154	55581532	+	0	NA	intron (	intron (	36279	NM_00112	57223	Hs.51618	NM_02046	ENSG0000	PPP4R3B	FLFL2|PP	protein p	protein-coding
chr16-311	8.956143	0.869058	0.789026	1.101431	0.270709	0.981636	chr16	31110875	31111156	+	0	NA	intron (	MER20|DN	2629	NM_00112	10295	Hs.51352	NM_005881	ENSG0000	BCKDK	BCKDKD|B	branched	protein-coding
chr19-93	8.956143	0.869058	0.789026	1.101431	0.270709	0.981636	chr19	9335224	9345573	+	0	NA	intron (	intron (	15703	NM_00120	1.01E+08	Hs.728944	NM_00117	ENSG0000	ZNF559-Z	-	ZNF559-Z	protein-coding
chr10-12	6.822798	-1.03475	0.939529	-1.10135	0.270743	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	27896	NM_01758	54764	Hs.59515	NM_01758	ENSG0000	ZRANB1	TRABID	zinc fing	protein-coding
chr3-978	6.822798	-1.03475	0.939529	-1.10135	0.270743	0.981636	chr3	9780421	9780628	+	0	NA	exon (NM_	exon (NM_	-10577	NM_00365	8536	Hs.43487	NM_00365	ENSG0000	CAMK1	CAMKI	calcium/c	protein-coding
chr10-12	2.931544	-1.54549	1.403381	-1.10126	0.270784	0.981636	chr10	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	7233	NM_002417	4288	Hs.80976	NM_002417	ENSG0000	MKI67	KIA|MIB-|	marker of	protein-coding
chr11-28	8.61503	-0.88809	0.80688	-1.10065	0.271051	0.981636	chr11	28030298	28031779	+	0	NA	intron (	L1PA5|LI	-25777	NR_030341	693195		NR_030341	ENSG0000	MIR610	MIRN610|	microRNA	ncRNA
chr7-816	8.61503	-0.88809	0.80688	-1.10065	0.271051	0.981636	chr7	81699675	81724875	+	0	NA	intron (	intron (	-20869	NR_12602	1E+08	Hs.571267	NR_12602	ENSG0000	LOC10012	-	uncharact	ncRNA
chr13-45	7.179812	0.9697	0.881432	1.100141	0.271271	0.981636	chr13	45345562	45346166	+	0	NA	intron (	AluY|SIN	4519	NR_02445	1E+08	Hs.37576	NR_024458		TPT1-AS1	-	TPT1 anti	ncRNA
chr15-67	7.179812	0.9697	0.881432	1.100141	0.271271	0.981636	chr15	67654965	67655379	+	0	NA	intron (	L1MB7|LI	106078	NM_00120	5607	Hs.11419	NM_002757	ENSG0000	MAP2K5	HsT17454|	mitogen-a	protein-coding
chr19-36	7.179812	0.9697	0.881432	1.100141	0.271271	0.981636	chr19	3652763	3653649	+	0	NA	intron (	(TGGCCC)	-26391	NM_021231	58509	Hs.12842	NM_021231	ENSG0000	CACTIN	C19orf29|	cactin, s	protein-coding
chr4-3137	7.179812	0.9697	0.881432	1.100141	0.271271	0.981636	chr4	3137041	3137311	+	0	NA	intron (	AluSg|SI	62495	NM_002111	3064	Hs.51845	NM_002111	ENSG0000	HTT	HD|IT15|	huntingti	protein-coding
chr1-117	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	3’ UTR (	3’ UTR (	21004	NM_01770	54855	Hs.35621	NM_01770	ENSG0000	TENT5C	FAM46C	terminal	protein-coding
chr1-1197	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	10099	NM_00662	26227	Hs.48729	NM_00662	ENSG0000	PHGDH	3-PGDH|3	phosphogl	protein-coding
chr10-12	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	-18482	NM_014661	9679	Hs.12919	NM_014661	ENSG0000	FAM53B	KIAA0140|	family wi	protein-coding
chr11-11	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	43558	NM_00126	5962	Hs.263671	NM_00290	ENSG0000	RDX	DFNB24	radixin	protein-coding
chr13-10	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr13	1.07E+08	1.07E+08	+	0	NA	intron (	MLT1D-int	-16167	NM_00409	1948	Hs.14923	NM_00409	ENSG0000	EFNB2	EPLG5|HT	ephrin B2	protein-coding
chr15-44	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr15	44384327	44384729	+	0	NA	intron (	AluYm1|SI	-43101	NM_01639	51496	Hs.497967	NM_01639	ENSG0000	CTDSPL2	HSPC058|	CTD small	protein-coding
chr15-48	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr15	48341884	48343207	+	0	NA	3’ UTR (	3’ UTR (	10348	NM_00194	1854	Hs.52798	NM_00194	ENSG0000	DUT	dUTPase	deoxyurid	protein-coding
chr18-50	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr18	50282537	50282924	+	0	NA	promoter-	promoter-	-956	NM_001204	4152	Hs.40561	NM_002384	ENSG0000	MBD1	CXXC3|PC	methyl-Cp	protein-coding
chr19-341	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr19	3410100	3410856	+	0	NA	intron (	L2a|LINE|	43895	NM_00124	4782	Hs.170131	NM_005597	ENSG0000	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr19-491	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr19	4919289	4921871	+	0	NA	intron (	FAM|SINE|	10213	NM_00129	29128	Hs.10810	NM_01328	ENSG0000	UHRF1	ICBP90|N	ubiquitin	protein-coding
chr2-133	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	AluJb|SI	-7598	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000	NCKAP5-A	-	NCKAP5 an	ncRNA
chr2-215	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (	intron (	5251	NM_004044	471	Hs.90280	NM_004044	ENSG0000	ATIC	AICAR|AI	5-aminoim	protein-coding
chr20-37	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr20	37045701	37046532	+	0	NA	intron (	intron (	49881	NM_00132	5933	Hs.20774	NM_00289	ENSG0000	RBL1	CP107|PR	RB transc	protein-coding
chr20-37	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr20	37063207	37064319	+	0	NA	intron (	AluSz|SI	32234	NM_00132	5933	Hs.20774	NM_00289	ENSG0000	RBL1	CP107|PR	RB transc	protein-coding
chr4-419	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr4	41951577	41952692	+	0	NA	intron (	intron (	16705	NM_01812	55161	Hs.31082	NM_01812	ENSG0000	TMEM33	1600019D1	transmemb	protein-coding
chr6-128	4.914382	-1.17186	1.065432	-1.09989	0.271381	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	49727	NR_12584	1.02E+08	Hs.65677	NR_125849		LOC10192	-	uncharact	ncRNA
chr1-9321	6.135604	-1.0492	0.953981	-1.09981	0.271414	0.981636	chr1	93218640	93218973	+	0	NA	intron (	AluSg|SI	38090	NM_00130	343099	Hs.48287	NM_20688	ENSG0000	CCDC18	NY-SAR-41	coiled-co	protein-coding
chr2-240	6.135604	-1.0492	0.953981	-1.09981	0.271414	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	non-codi	non-codi	11701	NR_136157	4705	Hs.277677	NM_004544	ENSG0000	NDUFA10	CI-42KD|	NADH:ubiq	protein-coding
chr6-751	6.135604	-1.0492	0.953981	-1.09981	0.271414	0.981636	chr6	75168643	75169378	+	0	NA	intron (	intron (	37043	NM_08064	1303	Hs.10130	NM_00437	ENSG0000	COL12A1	BA209D8.1	collagen	protein-coding
chr9-134	6.135604	-1.0492	0.953981	-1.09981	0.271414	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	43337	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr1-150	7.197378	0.977397	0.889151	1.099248	0.27166	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	-19305	NM_20704	2029	Hs.63245	NM_00443	ENSG0000	ENSA	ARPP-19e	endosulfi	protein-coding
chr22-37	7.197378	0.977397	0.889151	1.099248	0.27166	0.981636	chr22	37932261	37932551	+	0	NA	intron (	intron (	21195	NM_032561	84645	Hs.51761	NM_032561	ENSG0000	C22orf23	EVG1|dJ1	chromosom	protein-coding
chr20-33	9.910673	-0.84259	0.766696	-1.09899	0.271771	0.981636	chr20	33365332	33365536	+	0	NA	intron (	AluSz|SI	36085	NM_01640	51654	Hs.43595	NM_01608	ENSG0000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr11-11	7.358676	-0.95754	0.871302	-1.09898	0.271777	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	9500	NM_00616	4837	Hs.503911	NM_00616	ENSG0000	NNMT	-	nicotinam	protein-coding
chr15-99	7.358676	-0.95754	0.871302	-1.09898	0.271777	0.981636	chr15	99672458	99673096	+	0	NA	intron (	Tigger4|	39799	NM_00113	4205	Hs.26867	NM_005587	ENSG0000	MEF2A	ADCAD1|R	myocyte e	protein-coding
chr17-20	7.358676	-0.95754	0.871302	-1.09898	0.271777	0.981636	chr17	2058082	2060503	+	0	NA	TTS (NM_	TTS (NM_	2982	NM_00109	3090	Hs.72956	NM_006497	ENSG0000	HIC1	ZBTB29|Z	HIC ZBTB	protein-coding
chr7-139	7.358676	-0.95754	0.871302	-1.09898	0.271777	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (	intron (	3867	NM_08066	92092	Hs.51283	NM_08066	ENSG0000	ZC3HAV1L	C7orf39	zinc fing	protein-coding
chr8-6167	7.358676	-0.95754	0.871302	-1.09898	0.271777	0.981636	chr8	61672747	61675044	+	0	NA	intron (	intron (	15916	NM_001164	444	Hs.33242	NM_00431	ENSG0000	ASPH	AAH|BAH|	aspartate	protein-coding
chr19-24	27.88841	0.562318	0.51175	1.098814	0.271849	0.981636	chr19	24929948	24930534	+	0	NA	Intergeni	ALR/Alph	-766794	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr11-611	7.38225	-0.96237	0.875901	-1.09872	0.271889	0.981636	chr11	61157467	61157666	+	0	NA	intron (	L1MB3|LI	3860	NM_01796	55048	Hs.52371	NM_01796	ENSG0000	VPS37C	-	VPS37C su	protein-coding
chr5-179	7.34111	-0.96687	0.880134	-1.09855	0.271965	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	TTS (NM_	TTS (NM_	-6530	NR_11056	1.02E+08	Hs.66325	NR_11056	ENSG0000	LOC10192	-	uncharact	ncRNA
chr9-357	8.581748	-0.89314	0.813401	-1.09803	0.272192	0.981636	chr9	35741018	35741329	+	0	NA	intron (	intron (	8055	NM_00133	57704	Hs.443134	NM_020944	ENSG0000	GBA2	AD035|NL	glucosylc	protein-coding
chr11-10	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr11	10607620	10608300	+	0	NA	intron (	intron (	-39295	NM_006691	10894	Hs.65533	NM_006691	ENSG0000	LYVE1	CRSBP-1|	lymphatic	protein-coding
chr12-95	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr12	95040938	95041394	+	0	NA	intron (	intron (	32452	NM_003297	7181	Hs.108301	NM_003297	ENSG0000	NR2C1	TR2	nuclear r	protein-coding
chr13-39	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr13	39593788	39596186	+	0	NA	intron (	L1PA4|LI	8206	NM_00578	10186	Hs.50779	NM_00578	ENSG0000	LHFPL6	LHFP	LHFPL tet	protein-coding
chr2-4397	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr2	43979653	43980870	+	0	NA	intron (	intron (	15728	NM_13325	10128	Hs.368084	NM_13325	ENSG0000	LRPPRC	CLONE-23	leucine r	protein-coding
chr2-133	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-39779	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000	NCKAP5-A	-	NCKAP5 an	ncRNA
chr3-3161	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr3	31619818	31620231	+	0	NA	intron (	AluSx|SI	-84189	NR_049771	1.01E+08	Hs.66242	NR_049771	ENSG0000	OSBPL10-	-	OSBPL10 a	ncRNA
chr8-130	6.127746	-1.04733	0.953901	-1.09794	0.27223	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	-60672	NR_00276	29065	Hs.63931	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr1-5657	6.143462	-1.05113	0.957628	-1.09764	0.272363	0.981636	chr1	56572755	56574219	+	0	NA	intron (	intron (	6076	NM_00371	8613	Hs.40515	NM_00371	ENSG0000	PLPP3	Dri42|LP	phospholi	protein-coding
chr1-539	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr1	53936034	53936462	+	0	NA	intron (	AluSx3|SI	9575	NR_13363	51668	Hs.52546	NM_01612	ENSG0000	HSPB11	C1orf41|	heat shoc	protein-coding
chr1-863	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr1	86350643	86351150	+	0	NA	3’ UTR (	3’ UTR (	6791	NR_10701	1.02E+08		NR_10701	ENSG0000	MIR7856	hsa-mir-7	microRNA	ncRNA
chr13-11	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (	L1MDa|LI	-14046	NM_00127	8451	Hs.33973	NM_00358	ENSG0000	CUL4A	-	cullin 4A	protein-coding
chr16-70	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr16	70238054	70238379	+	0	NA	Intergeni	AluSq2|SI	-12183	NR_03395	1.01E+08	Hs.65525	NR_03395	ENSG0000	SMG1P7	-	SMG1 pseu	pseudo
chr17-64	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr17	64625148	64625979	+	0	NA	intron (	intron (	36744	NM_02273	64750	Hs.515011	NM_02273	ENSG0000	SMURF2	-	SMAD spec	protein-coding
chr2-742	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr2	74206616	74211823	+	0	NA	intron (	intron (	10604	NM_00663	10797	Hs.46903	NM_00663	ENSG0000	MTHFD2	NMDMC	methylene	protein-coding
chr21-37	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr21	37513743	37514501	+	0	NA	3’ UTR (	3’ UTR (	93823	NM_13043	1859	Hs.36824	NM_00139	ENSG0000	DYRK1A	DYRK|DYR	dual spec	protein-coding
chr8-424	7.391958	-0.95161	0.866974	-1.09762	0.27237	0.981636	chr8	42433451	42434049	+	0	NA	intron (	L1MB2|LI	41870	NM_00566	7419	Hs.699301	NM_00566	ENSG0000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr4-399	7.399816	-0.95319	0.868489	-1.09752	0.272413	0.981636	chr4	39926351	39926710	+	0	NA	intron (	AluSp|SI	51381	NM_00110	23244	Hs.331431	NM_01520	ENSG0000	PDS5A	PIG54|SC	PDS5 cohe	protein-coding
chr15-51	8.989424	0.871395	0.794342	1.097001	0.272641	0.981636	chr15	51456904	51457305	+	0	NA	intron (	AluJb|SI	79858	NM_00133	342035	Hs.526441	NM_18178	ENSG0000	GLDN	CLOM|COL	gliomedin	protein-coding
chr2-157	8.492836	0.917121	0.836112	1.096887	0.272691	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (	AluSc|SI	32886	NM_001304	57471	Hs.443894	NM_020711	ENSG0000	ERMN	JN|KIAA11	ermin	protein-coding
chr19-361	6.007773	1.055163	0.96204	1.096798	0.27273	0.981636	chr19	36193671	36194213	+	0	NA	intron (	FRAM|SIN	19637	NM_00136	147929	Hs.59633	NM_152477	ENSG0000	ZNF565	-	zinc fing	protein-coding

chr19-407	6.007773	1.055163	0.96204	1.096798	0.27273	0.981636	chr19	40711169	40711686	+	0	NA	intron (N	AluJo|SIN	3692	NM_001142	79934	Hs.130712	NM_024876	ENSG00000	COQ8B	ADCK4|NPH	coenzyme	protein-coding
chr4-8454	6.007773	1.055163	0.96204	1.096798	0.27273	0.981636	chr4	8454952	8455292	+	0	NA	intron (N	intron (N	14325	NM_001350	152992	Hs.566191	NM_024950	ENSG00000	TRMT44	C4orf23|M	tRNA meth	protein-coding
chr19-101	5.675997	-1.12215	1.023392	-1.0965	0.272862	0.981636	chr19	10130170	10130369	+	0	NA	Intergeni	AluSx|SIN	-10370	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr8-6711	6.69894	1.030843	0.940354	1.096229	0.272978	0.981636	chr8	67112919	67113250	+	0	NA	intron (N	AluSc8|SI	29236	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr1-2431	12.93097	0.728425	0.664775	1.095747	0.273189	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	exon (NM_	exon (NM_	63908	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr17-489	6.161028	-1.04005	0.949322	-1.09558	0.273265	0.981636	chr17	48911341	48912218	+	0	NA	intron (N	intron (N	-2796	NR_135674	1.05E+08	Hs.655254	NR_135674	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-590	6.161028	-1.04005	0.949322	-1.09558	0.273265	0.981636	chr17	59069887	59070226	+	0	NA	intron (N	MER5B|DNA	36824	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr17-241	10.67377	0.796836	0.727911	1.094687	0.273654	0.981636	chr17	24188150	24188723	+	0	NA	Intergeni	ALR/Alpha	1665325	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-375	8.957993	0.879303	0.803344	1.094554	0.273712	0.981636	chr17	37553404	37553857	+	0	NA	exon (NM_	exon (NM_	55788	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr15-282	5.999915	1.058183	0.966838	1.094478	0.273746	0.981636	chr15	28289789	28290549	+	0	NA	intron (N	LTR80A|LT	31983	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr11-464	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr11	46407829	46409668	+	0	NA	intron (N	intron (N	-17080	NM_001366	1132	Hs.248100	NM_000741	ENSG00000	CHRM4	HM4|M4R	cholinerg	protein-coding
chr16-161	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr16	16170463	16174408	+	0	NA	intron (N	G-rich|Lo	51036	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr16-223	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr16	22308875	22310428	+	0	NA	intron (N	intron (N	12242	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr17-187	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr17	1879746	1880993	+	0	NA	intron (N	intron (N	50364	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTO	replicati	protein-coding
chr19-347	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr19	34759536	34761559	+	0	NA	exon (NM_	exon (NM_	12668	NM_001007	148103	Hs.590961	NM_001007	ENSG00000	ZNF599	-	zinc fing	protein-coding
chr19-369	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr19	36980532	36980765	+	0	NA	intron (N	MER77B|LT	64316	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr19-523	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr19	52390114	52390800	+	0	NA	intron (N	intron (N	7300	NR_125345	1.03E+08	Hs.188680	NR_125345	ENSG00000	ZNF528-AS	-	ZNF528 an	ncRNA
chr4-1476	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	AluJb|SIN	4826	NM_138364	90826	Hs.591692	NM_138364	ENSG00000	PRMT9	PRMT10	protein a	protein-coding
chr9-1330	7.195528	0.964815	0.881579	1.094417	0.273772	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-7696	NR_106937	1.02E+08		NR_106937	ENSG00000	MIR6877	hsa-mir-6	microRNA	ncRNA
chr1-7793	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr1	77934995	77940286	+	0	NA	intron (N	AluSx1|SI	41432	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr14-582	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr14	58247843	58249899	+	0	NA	intron (N	AluSx|SIN	4028	NM_002788	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr17-496	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr17	4969821	4970252	+	0	NA	promoter-	promoter-	114	NR_106925	1.02E+08		NR_106925	ENSG00000	MIR6865	hsa-mir-6	microRNA	ncRNA
chr2-1891	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	-15534	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr3-1505	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	25890	NM_032025	83939	Hs.655782	NM_032025	ENSG00000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr4-9445	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr4	94456071	94456980	+	0	NA	exon (NM_	exon (NM_	4583	NM_001256	10611	Hs.480311	NM_006457	ENSG00000	PDLIM5	ENH|ENH1|	PDZ and L	protein-coding
chr8-1244	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	12496	NM_007218	11236	Hs.744151	NM_007218	ENSG00000	RNF139	HRCA1|RCA	ring fing	protein-coding
chrX-1558	7.3841	-0.95002	0.868218	-1.09422	0.273858	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	L2b|LINE|	8745	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr3-4740	8.57019	-0.91383	0.835303	-1.09401	0.273949	0.981636	chr3	47408468	47409172	+	0	NA	exon (NM_	exon (NM_	27799	NM_001304	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chrX-1436	10.11062	0.826338	0.755339	1.093996	0.273957	0.981636	chrX	1436589	1437217	+	0	NA	intron (N	MLT1B|LTR	16006	NM_001173	8623	Hs.533514	NM_004192	ENSG00000	ASMTL	ASMTLX|AS	acetylser	protein-coding
chr1-2700	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr1	27000060	27001170	+	0	NA	3’ UTR (N	3’ UTR (N	6923	NM_001013	388610	Hs.355747	NM_001013	ENSG00000	TRNP1	C1orf225|	TMF1 regu	protein-coding
chr10-156	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr10	15659712	15660170	+	0	NA	intron (N	MLT1C|LTR	59981	NM_003638	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr12-274	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr12	27401647	27405387	+	0	NA	exon (NM_	exon (NM_	43117	NR_109975	1.02E+08	Hs.434269	NR_109975	ENSG00000	ARNTL2-AS	-	ARNTL2 an	ncRNA
chr12-462	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr12	46222764	46224720	+	0	NA	intron (N	intron (N	42774	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr13-727	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr13	72743614	72744538	+	0	NA	intron (N	intron (N	16153	NM_001286	79866	Hs.643464	NM_024808	ENSG00000	BORA	C13orf34	BORA auro	protein-coding
chr15-627	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr15	62766673	62766949	+	0	NA	intron (N	intron (N	-57146	NR_029709	406965		NR_029709	ENSG00000	MIR190A	MIR190|MI	microRNA	ncRNA
chr17-318	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr17	31855753	31856656	+	0	NA	intron (N	AluSz|SIN	2758	NM_001330	55352	Hs.462729	NM_018405	ENSG00000	COPRS	C17orf79|	coordinat	protein-coding
chr18-471	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr18	47112188	47112876	+	0	NA	intron (N	intron (N	37968	NM_001318	84064	Hs.465041	NM_032124	ENSG00000	HDHD2	3110052N0	haloacid	protein-coding
chr19-492	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr19	4929487	4933361	+	0	NA	intron (N	AluSx1|SI	-1263	NR_039902	1.01E+08		NR_039902	ENSG00000	MIR4747	mir-4747	microRNA	ncRNA
chr2-8497	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr2	84977224	84978004	+	0	NA	intron (N	AluJb|SIN	6453	NM_020122	56888	Hs.654968	NM_020122	ENSG00000	KCMF1	DEBT91|FI	potassium	protein-coding
chr2-2010	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	41474	NM_001321	285172	Hs.24701	NM_173822	ENSG00000	FAM126B	HYCC2	family wi	protein-coding
chr21-461	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr21	46106404	46109652	+	0	NA	intron (N	intron (N	9909	NM_058175	1292	Hs.420269	NM_001849	ENSG00000	COL6A2	BTHLM1|PF	collagen	protein-coding
chr5-7768	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr5	77689798	77690685	+	0	NA	TTS (NM_0	TTS (NM_0	-51544	NM_032109	23440	Hs.202247	NM_032109	ENSG00000	OTP	-	orthopedi	protein-coding
chr8-2336	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr8	23362046	23365198	+	0	NA	non-codin	non-codin	27414	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr8-1233	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx|SIN	-2647	NR_037516	1.01E+08		NR_037516	ENSG00000	MIR548AA1	-	microRNA	ncRNA
chr9-3607	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr9	36078734	36079821	+	0	NA	intron (N	intron (N	42364	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversion	protein-coding
chr9-1108	6.15317	-1.03819	0.94924	-1.09371	0.274082	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	Intergeni	Intergeni	141956	NM_001369	4593	Hs.521653	NM_005592	ENSG00000	MUSK	CMS9|FADS	muscle as	protein-coding
chr1-1602	8.930719	0.864782	0.790735	1.093644	0.274111	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSc|SIN	-7187	NR_147618	1E+08	Hs.657648	NR_147618	ENSG00000	LOC100287	-	uncharact	ncRNA
chr1-2078	8.930719	0.864782	0.790735	1.093644	0.274111	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-1927	NR_029518	407025		NR_029518	ENSG00000	MIR29B2	MIRN29B2	microRNA	ncRNA
chr13-409	8.930719	0.864782	0.790735	1.093644	0.274111	0.981636	chr13	40933824	40934169	+	0	NA	exon (NM_	exon (NM_	-12222	NR_003365	283507	Hs.442781	NR_003365	ENSG00000	SUGT1P3	SUGT1L1	SUGT1 pse	pseudo
chr19-200	8.930719	0.864782	0.790735	1.093644	0.274111	0.981636	chr19	20005600	20008700	+	0	NA	exon (NM_	exon (NM_	32105	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr2-6301	8.930719	0.864782	0.790735	1.093644	0.274111	0.981636	chr2	63016548	63016956	+	0	NA	intron (N	intron (N	30959	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr11-105	6.168886	-1.04191	0.952797	-1.09353	0.27416	0.981636	chr11	10597270	10598118	+	0	NA	intron (N	L1ME4a|LI	-29029	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|H	lymphatic	protein-coding
chr20-176	6.168886	-1.04191	0.952797	-1.09353	0.27416	0.981636	chr20	17649990	17650903	+	0	NA	intron (N	intron (N	31796	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr3-9997	6.168886	-1.04191	0.952797	-1.09353	0.27416	0.981636	chr3	9997371	9997839	+	0	NA	intron (N	AluSx|SIN	10712	NR_103821	442075	Hs.690469	NM_001013730		EMC3-AS1	-	EMC3 anti	ncRNA
chr12-119	4.8811	-1.1814	1.080664	-1.09321	0.2743	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluY|SINE	-30917	NR_031589	1E+08		NR_031589	ENSG00000	MIR1178	MIRN1178|	microRNA	ncRNA
chr6-1514	4.8811	-1.1814	1.080664	-1.09321	0.2743	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	-16070	NM_020861	57621	Hs.520073	NM_020861	ENSG00000	ZBTB2	ZNF437	zinc fing	protein-coding
chr3-1499	8.648311	-0.88304	0.807755	-1.09321	0.274302	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9738	NM_002628	5217	Hs.91747	NM_002628	ENSG00000	PFN2	D3S1319E|	profilin	protein-coding
chr5-1384	8.648311	-0.88304	0.807755	-1.09321	0.274302	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	1882	NM_001964	1958	Hs.326035	NM_001964	ENSG00000	EGR1	AT225|G0S	early gro	protein-coding
chr9-1312	8.648311	-0.88304	0.807755	-1.09321	0.274302	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluY|SINE	41088	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr21-419	8.607172	-0.88667	0.811251	-1.09297	0.274407	0.981636	chr21	41996994	41997292	+	0	NA	intron (N	FLAM_C|SI	-12051	NR_119384	150142	Hs.143833	NM_198078	ENSG00000	ZNF295-AS	C21orf121	ZNF295 an	ncRNA
chr16-507	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr16	5077535	5079549	+	0	NA	intron (N	L2b|LINE|	6294	NM_001330	56052	Hs.592086	NM_019109	ENSG00000	ALG1	CDG1K|HMA	ALG1 chit	protein-coding
chr17-648	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr17	64802474	64803441	+	0	NA	intron (N	L2a|LINE|	19145	NR_036199	1E+08		NR_036199	ENSG00000	MIR4315-1	-	microRNA	ncRNA
chr19-177	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr19	17725482	17726594	+	0	NA	exon (NM_	exon (NM_	5882	NM_001308	55201	Hs.66048	NM_018174	ENSG00000	MAP1S	BPY2IP1|C	microtubu	protein-coding
chr2-3911	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr2	39112290	39112950	+	0	NA	intron (N	intron (N	7843	NM_005633	6654	Hs.709893	NM_005633	ENSG00000	SOS1	GF1|GGF1|	SOS Ras/R	protein-coding
chr2-1591	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-36615	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr20-198	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr20	19841908	19842383	+	0	NA	Intergeni	Tigger1|D	-44376	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr6-4286	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chr6	42862522	42865264	+	0	NA	intron (N	AluSq|SIN	-15723	NR_134562	285855	Hs.520133	NM_198486	ENSG00000	RPL7L1	dJ475N16.	ribosomal	protein-coding
chrX-7137	5.982349	1.049035	0.95992	1.092836	0.274466	0.981636	chrX	71375726	71376349	+	0	NA	intron (N	intron (N	9680	NR_104387	6872	Hs.158560	NM_004606	ENSG00000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr3-9370	19.61475	0.604337	0.553135	1.092566	0.274584	0.981636	chr3	93707901	93708572	+	0	NA	Intergeni	ALR/Alpha	265845	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr1-2381	8.964001	0.867106	0.793806	1.09234	0.274684	0.981636	chr1	23815537	23817373	+	0	NA	intron (N	MIRb|SINE	8974	NM_000191	3155	Hs.533444	NM_000191	ENSG00000	HMGCL	HL	3-hydroxy	protein-coding
chr1-2258	8.964001	0.867106	0.793806	1.09234	0.274684	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	5880	NM_001120	2052	Hs.89649	NM_001120	ENSG00000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr15-896	8.964001	0.867106	0.793806	1.09234	0.274684	0.981636	chr15	89628436	89628817	+	0	NA	TTS (NM_1	TTS (NM_1	26841	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr19-528	8.964001	0.867106	0.793806	1.09234	0.274684	0.981636	chr19	52808960	52810565	+	0	NA	intron (N	AluSg7|SI	11871	NM_001369	7576	Hs.732407	NM_006969	ENSG00000	ZNF28	KOX24	zinc fing	protein-coding
chr15-566	7.643119	-0.99671	0.912523	-1.09226	0.274721	0.981636	chr15	56688211	56688416	+	0	NA	intron (N	AluY|SINE	45773	NM_001288	54816	Hs.511477	NM_017661	ENSG00000	ZNF280D	SUHW4|ZNF	zinc fing	protein-coding
chr2-1751	6.873646	-1.01744	0.931641	-1.0921	0.27479	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	66627	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr5-8737	6.873646	-1.01744	0.931641	-1.0921	0.27479	0.981636	chr5	87373274	87373542	+	0	NA	intron (N	MER2|DNA|	39496	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr13-946	7.350818	-0.95598	0.875367	-1.09209	0.274793	0.981636	chr13	94609291	94609644	+	0	NA	intron (N	intron (N	7610	NM_180989	160897	Hs.439363	NM_180989	ENSG00000	GPR180	ITR	G protein	protein-coding
chr20-409	7.350818	-0.95598	0.875367	-1.09209	0.274793	0.981636	chr20	40986120	40986420	+	0	NA	intron (N	MamRep152	5557	NR_145524	1E+08	Hs.636443	NR_145524		LOC100128	-	uncharact	ncRNA
chr7-1165	7.350818	-0.95598	0.875367	-1.09209	0.274793	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	9634	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr8-3812	7.350818	-0.95598	0.875367	-1.09209	0.274793	0.981636	chr8	38122500	38123006	+	0	NA	intron (N	L1MC4a|LI	16960	NM_001105	9070	Hs.521530	NM_004674	ENSG00000	ASH2L	ASH2|ASH2	ASH2 like	protein-coding
chr1-9367	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr1	93673544	93674869	+	0	NA	intron (N	L1MC5|LIN	7164	NM_001261	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr11-364	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr11	36493930	36494448	+	0	NA	intron (N	AluJo|SIN	16083	NM_145803	7189	Hs.444172	NM_004620	ENSG00000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr11-958	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr11	95860137	95861670	+	0	NA	intron (N	AluY|SINE	63204	NM_201278	8898	Hs.181326	NM_016156	ENSG00000	MTMR2	CMT4B|CMT	myotubula	protein-coding
chr19-495	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr19	4958744	4961942	+	0	NA	intron (N	L2b|LINE|	-8770	NM_015015	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr20-199	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr20	19953936	19954642	+	0	NA	intron (N	intron (N	-63001	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr3-4807	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr3	48071191	48071694	+	0	NA	intron (N	AluJb|SIN	17406	NM_002375	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr3-1310	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	non-codin	non-codin	12851	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr5-1391	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr5	13917101	13917482	+	0	NA	intron (N	intron (N	27189	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr7-1369	6.119888	-1.04549	0.957393	-1.09202	0.274824	0.981636	chr7	1.37E+08	1.37E+08	+	0	NA	intron (N	L2|LINE|L	18407	NR_030165	574443		NR_030165	ENSG00000	MIR490	MIRN490|h	microRNA	ncRNA
chr11-832	5.434914	1.126649	1.032033	1.091679	0.274974	0.981636	chr11	83270038	83270237	+	0	NA	intron (N	L1PA6|LIN	16270	NM_001286	60492	Hs.368866	NM_021825	ENSG00000	CCDC90B	MDS011|MD	coiled-co	protein-coding
chr20-516	5.434914	1.126649	1.032033	1.091679	0.274974	0.981636	chr20	51671917	51672367	+	0	NA	intron (N	L1MB3|LIN	96248	NM_006045	10079	Hs.649234	NM_006045	ENSG00000	ATP9A	ATPIIA	ATPase ph	protein-coding
chr15-654	6.15132	-1.05314	0.964994	-1.09134	0.275121	0.981636	chr15	65480714	65481448	+	0	NA	intron (N	AluJb|SIN	36193	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr10-350	10.70705	0.798852	0.732164	1.091083	0.275236	0.981636	chr10	35069262	35069601	+	0	NA	intron (N	AluJo|SIN	4852	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr1-2589	6.118038	-1.06079	0.972352	-1.09095	0.275293	0.981636	chr1	25898982	25899461	+	0	NA	TTS (NM_2	TTS (NM_2	6932	NM_203401	3925	Hs.209983	NM_005563	ENSG00000	STMN1	C1orf215|	stathmin	protein-coding
chr2-2381	2.923686	-1.542	1.413558	-1.09086	0.275334	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSg4|SI	17220	NM_001291	151176	Hs.24951	NM_152521	ENSG00000	ERFE	C1QTNF15|	erythrofe	protein-coding
chr3-1460	11.58919	-0.7664	0.702783	-1.09052	0.275482	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA8|LIN	-28824	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr14-203	5.974491	1.05201	0.964703	1.090501	0.275492	0.981636	chr14	20378289	20379436	+	0	NA	intron (N	intron (N	34639	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr5-6712	5.974491	1.05201	0.964703	1.090501	0.275492	0.981636	chr5	67121058	67121525	+	0	NA	intron (N	intron (N	75508	NM_005582	4064	Hs.87205	NM_005582	ENSG00000	CD180	LY64|Ly78	CD180 mol	protein-coding
chr19-934	8.467413	0.912508	0.836845	1.090415	0.27553	0.981636	chr19	9348595	9348945	+	0	NA	intron (N	intron (N	-14243	NM_003451	7730	Hs.728944	NM_003451	ENSG00000	ZNF177	PIGX	zinc fing	protein-coding
chr9-1048	8.467413	0.912508	0.836845	1.090415	0.27553	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	39514	NM_005502	19	Hs.659274	NM_005502	ENSG00000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr1-5381	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr1	53816086	53817049	+	0	NA	intron (N	L1PB1|LIN	21729	NM_018087	55706	Hs.476525	NM_018087	ENSG00000	NDC1	NET3|TMEM	NDC1 tran	protein-coding
chr1-1000	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	Charlie22	46038	NM_001304	163786	Hs.591447	NM_194292	ENSG00000	SASS6	MCPH14|SA	SAS-6 cen	protein-coding
chr12-779	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr12	77968661	77971992	+	0	NA	intron (N	intron (N	139432	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr14-496	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr14	49606840	49608364	+	0	NA	non-codin	non-codin	8662	NM_152329	122769	Hs.451090	NM_152329	ENSG00000	LRR1	4-1BBLRR|	leucine r	protein-coding
chr14-710	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr14	71012581	71013115	+	0	NA	intron (N	intron (N	105389	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr15-591	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr15	59129055	59132029	+	0	NA	Intergeni	L1PA7|LIN	25396	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr2-2427	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr2	24270686	24271244	+	0	NA	intron (N	intron (N	89571	NM_001348	50618	Hs.432562	NM_006277	ENSG00000	ITSN2	PRO2015|S	intersect	protein-coding
chr2-1829	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-57977	NM_001463	2487	Hs.128453	NM_001463	ENSG00000	FRZB	FRE|FRITZ	frizzled	protein-coding
chr2-2005	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluJb|SIN	18957	NM_152524	151246	Hs.655182	NM_152524	ENSG00000	SGO2	SGOL2|TRI	shugoshin	protein-coding
chr3-1363	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJr|SIN	106205	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-1010	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr4	10103554	10105522	+	0	NA	intron (N	intron (N	12261	NM_005112	9948	Hs.128548	NM_005112	ENSG00000	WDR1	AIP1|HEL-	WD repeat	protein-coding
chr5-1155	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21849	NM_020177	56929	Hs.47367	NM_020177	ENSG00000	FEM1C	EUROIMAGE	fem-1 hom	protein-coding
chr7-6491	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr7	64919203	64920258	+	0	NA	intron (N	L1M3|LINE	16488	NM_021148	10793	Hs.520889	NM_021148	ENSG00000	ZNF273	HZF9	zinc fing	protein-coding
chr8-1332	4.906524	-1.16953	1.072718	-1.09025	0.275603	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	21550	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chr11-330	7.171954	0.97216	0.89182	1.090086	0.275675	0.981636	chr11	33048915	33049203	+	0	NA	intron (N	AluSc|SIN	9044	NM_001145	55346	Hs.655341	NM_018393	ENSG00000	TCP11L1	dJ85M6.3	t-complex	protein-coding
chr16-681	7.171954	0.97216	0.89182	1.090086	0.275675	0.981636	chr16	68163695	68163900	+	0	NA	intron (N	SVA_D|Ret	69702	NR_106831	1.02E+08		NR_106831	ENSG00000	MIR6773	hsa-mir-6	microRNA	ncRNA
chr2-2380	5.393774	1.126683	1.034591	1.089012	0.276149	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	MIR3|SINE	-19970	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr1-2113	7.162247	0.962029	0.88388	1.088415	0.276412	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	-24592	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr2-1909	7.162247	0.962029	0.88388	1.088415	0.276412	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	L1PA7|LIN	57920	NM_139266	6772	Hs.642990	NM_007315	ENSG00000	STAT1	CANDF7|IM	signal tr	protein-coding
chr1-4050	6.015631	1.052233	0.966775	1.088395	0.276421	0.981636	chr1	40501584	40502208	+	0	NA	Intergeni	L2|LINE|L	-6823	NM_001346	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr10-403	6.015631	1.052233	0.966775	1.088395	0.276421	0.981636	chr10	40334419	40335159	+	0	NA	Intergeni	ALR/Alpha	1638193	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-174	6.015631	1.052233	0.966775	1.088395	0.276421	0.981636	chr14	17433761	17434317	+	0	NA	Intergeni	ALR/Alpha	-1167078	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr12-519	7.937543	0.961293	0.883546	1.087995	0.276597	0.981636	chr12	51984834	51985618	+	0	NA	exon (NM_	exon (NM_	-21720	NM_181711	160622	Hs.407202	NM_181711	ENSG00000	GRASP	TAMALIN	general r	protein-coding

chr10-145	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr10	14525373	14528790	+	0	NA	intron (N	AluY|SINE	5633	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr10-145	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr10	14596716	14599100	+	0	NA	intron (N	AluSz|SIN	6493	NM_001282	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-502	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr12	50210335	50213242	+	0	NA	intron (N	(AC)n|Sim	-10255	NM_001243	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr13-479	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr13	47957690	47962339	+	0	NA	intron (N	LOR1-int|	-27392	NR_047492	1.01E+08	Hs.660978	NR_047492	ENSG00000	LINC00562	-	long inte	ncRNA
chr13-110	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	43678	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr14-527	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr14	52779866	52782586	+	0	NA	intron (N	intron (N	10381	NM_198066	64841	Hs.478025	NM_198066	ENSG00000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr14-100	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-635	NR_003233	767565		NR_003233	ENSG00000	SNORD113-	14q(I-5)	small nuc	snoRNA
chr17-625	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr17	62568586	62569081	+	0	NA	intron (N	AluSx1|SI	-58837	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr2-3315	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr2	33155131	33156388	+	0	NA	intron (N	intron (N	21162	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-1326	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	11614	NM_001321	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr2-1527	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	HERVIP10F	15600	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr3-1116	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr3	11166757	11167770	+	0	NA	intron (N	intron (N	12770	NM_001098	3269	Hs.1570	NM_000861	ENSG00000	HRH1	H1-R|H1R|	histamine	protein-coding
chr3-5023	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr3	50239750	50240469	+	0	NA	intron (N	intron (N	3905	NM_001282	2771	Hs.77269	NM_002070	ENSG00000	GNAI2	GIP|GNAI2	G proteir	protein-coding
chr3-1586	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	14042	NM_020169	56925	Hs.478067	NM_020169	ENSG00000	LXN	ECI|TCI	latexin	protein-coding
chr4-1196	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr4	1196736	1197590	+	0	NA	non-codin	non-codin	11799	NR_024569	1E+08	Hs.302963	NR_024569		LOC100130	-	uncharact	ncRNA
chr7-1349	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	39191	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmor	protein-coding
chr9-9811	6.145312	-1.03631	0.952558	-1.08793	0.276628	0.981636	chr9	98116097	98116381	+	0	NA	intron (N	AluSz|SIN	2983	NM_014788	9830	Hs.575631	NM_014788	ENSG00000	TRIM14	-	tripartit	protein-coding
chr1-1120	7.22881	0.967492	0.889466	1.087722	0.276718	0.981636	chr1	11203865	11204695	+	0	NA	intron (N	intron (N	14925	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-1569	7.22881	0.967492	0.889466	1.087722	0.276718	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-33194	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr15-659	7.22881	0.967492	0.889466	1.087722	0.276718	0.981636	chr15	65911387	65911809	+	0	NA	intron (N	AluSc|SIN	42107	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr19-423	7.22881	0.967492	0.889466	1.087722	0.276718	0.981636	chr19	42336611	42337141	+	0	NA	exon (NM_	exon (NM_	11241	NM_001271	1954	Hs.132483	NM_001410	ENSG00000	MEGF8	C19orf49|	multiple	protein-coding
chr22-502	7.22881	0.967492	0.889466	1.087722	0.276718	0.981636	chr22	50247665	50248016	+	0	NA	intron (N	intron (N	-2817	NM_020461	85378	Hs.336431	NM_020461	ENSG00000	TUBGCP6	GCP-6|GCF	tubulin g	protein-coding
chr1-6663	14.62807	-0.69594	0.640046	-1.08733	0.276892	0.981636	chr1	66630170	66630425	+	0	NA	intron (N	intron (N	1857	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-4660	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr1	46608473	46608684	+	0	NA	3’ UTR (N	3’ UTR (N	-4310	NR_024176	8569	Hs.371594	NM_003684	ENSG00000	MKNK1	MNK1	MAPK inte	protein-coding
chr1-7797	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr1	77973972	77975269	+	0	NA	intron (N	intron (N	4452	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr12-640	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr12	64075157	64075812	+	0	NA	intron (N	MER9a2|LT	146812	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-797	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr12	79789813	79791470	+	0	NA	intron (N	intron (N	-99544	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr12-112	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSg|SIN	23725	NM_024953	80018	Hs.530941	NM_024953	ENSG00000	NAA25	C12orf30|	N(alpha)-	protein-coding
chr16-883	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr16	88390284	88390518	+	0	NA	Intergeni	Intergeni	-37070	NM_001367	84627	Hs.54925	NM_001127	ENSG00000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr9-1368	7.376242	-0.94841	0.872264	-1.0873	0.276906	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	MER4E|LTR	-2308	NR_024580	1E+08	Hs.734812	NR_024580	ENSG00000	CCDC183-A	KIAA1984-	CCDC183 a	ncRNA
chr10-100	8.57389	-0.89176	0.820198	-1.08726	0.276924	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	7626	NM_001278	1147	Hs.198998	NM_001278	ENSG00000	CHUK	IKBKA|IKK	component	protein-coding
chr14-100	10.35641	-0.8039	0.739423	-1.0872	0.276949	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_0	TTS (NR_0	159	NR_029863	442915		NR_029863	ENSG00000	MIR370	MIRN370|h	microRNA	ncRNA
chr18-957	10.35641	-0.8039	0.739423	-1.0872	0.276949	0.981636	chr18	9577334	9577533	+	0	NA	intron (N	AluJb|SIN	37126	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr17-497	10.3407	-0.80155	0.737271	-1.08718	0.276957	0.981636	chr17	49705433	49705762	+	0	NA	intron (N	intron (N	2367	NM_001278	10237	Hs.154073	NM_005827	ENSG00000	SLC35B1	UGTREL1	solute ca	protein-coding
chr9-1307	10.3407	-0.80155	0.737271	-1.08718	0.276957	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	non-codin	non-codin	-9749	NM_007313	25	Hs.431048	NM_005157	ENSG00000	ABL1	ABL|CHDSK	ABL proto	protein-coding
chr8-4802	6.176744	-1.0438	0.960108	-1.08717	0.276963	0.981636	chr8	48021473	48022160	+	0	NA	intron (N	AluSx|SIN	13385	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitir	protein-coding
chr1-2242	7.154389	0.964451	0.887177	1.087101	0.276992	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	16467	NR_110668	1.02E+08	Hs.710128	NR_110668	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-102	4.947664	-1.16236	1.069371	-1.08696	0.277056	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	10622	NM_016053	51019	Hs.405692	NM_016053	ENSG00000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr2-1125	4.947664	-1.16236	1.069371	-1.08696	0.277056	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7906	NM_001304	84269	Hs.375707	NM_032309	ENSG00000	CHCHD5	C2orf9|CH	coiled-co	protein-coding
chr2-2332	4.947664	-1.16236	1.069371	-1.08696	0.277056	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	promoter-	promoter-	-257	NR_003006	677772	Hs.689637	NR_003006	ENSG00000	SCARNA6	U88	small Ca	ncRNA
chr5-1691	10.30557	-0.81471	0.749735	-1.08666	0.277185	0.981636	chr5	16915355	16915877	+	0	NA	intron (N	intron (N	20672	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr1-1247	28.95601	0.54905	0.505494	1.086165	0.277406	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3214121	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-3346	5.401632	1.123252	1.034475	1.085818	0.277559	0.981636	chr8	33460034	33460233	+	0	NA	intron (N	AluSx1|SI	13013	NM_032664	84750	Hs.458713	NM_032664	ENSG00000	FUT10	FUCTX	fucosyltr	protein-coding
chr1-1469	10.62477	0.797986	0.735517	1.084932	0.277952	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	exon (NM_	exon (NM_	37208	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr1-1693	8.938577	0.862796	0.795529	1.084557	0.278118	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	intron (N	PABL_A-ir	22961	NM_001320	8548	Hs.130746	NM_003666	ENSG00000	BLZF1	GOLGIN-45	basic leu	protein-coding
chr15-748	8.938577	0.862796	0.795529	1.084557	0.278118	0.981636	chr15	74892770	74893215	+	0	NA	intron (N	intron (N	2950	NM_002435	4351	Hs.75694	NM_002435	ENSG00000	MPI	CDG1B|PMI	mannose p	protein-coding
chr17-286	8.938577	0.862796	0.795529	1.084557	0.278118	0.981636	chr17	28633097	28633757	+	0	NA	intron (N	intron (N	11731	NM_001321	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr19-215	8.938577	0.862796	0.795529	1.084557	0.278118	0.981636	chr19	21528543	21537791	+	0	NA	intron (N	L1M3|LINE	27565	NM_001346	353088	Hs.572567	NM_001001	ENSG00000	ZNF429	-	zinc fing	protein-coding
chr1-1656	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	MIR|SINE|	17623	NM_004528	4259	Hs.191734	NM_004528	ENSG00000	MGST3	GST-III	microsoma	protein-coding
chr11-128	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr11	1284240	1285389	+	0	NA	intron (N	intron (N	17976	NM_001318	54472	Hs.368527	NM_019009	ENSG00000	TOLLIP	IL-1RAcPI	toll inte	protein-coding
chr12-111	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10636	NR_106819	1.02E+08		NR_106819	ENSG00000	MIR6761	hsa-mir-6	microRNA	ncRNA
chr12-130	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr12	1.31E+08	1.31E+08	+	0	NA	Intergeni	L1M4a2|LI	53779	NM_001351	2054	Hs.437585	NM_001980	ENSG00000	STX2	EPIM|EPM|	syntaxin	protein-coding
chr15-553	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr15	55375857	55377077	+	0	NA	intron (N	L2a|LINE|	-3433	NR_030358	693213		NR_030358	ENSG00000	MIR628	MIRN628|h	microRNA	ncRNA
chr16-258	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr16	2589419	2590529	+	0	NA	intron (N	Charlie1|	-13410	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr19-531	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr19	53116031	53117582	+	0	NA	intron (N	L1M2|LINE	12903	NM_001352	55786	Hs.147765	NM_018355	ENSG00000	ZNF415	Pact|ZfLp	zinc fing	protein-coding
chr7-2312	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr7	23127318	23127621	+	0	NA	intron (N	intron (N	20808	NM_018846	55975	Hs.654817	NM_018846	ENSG00000	KLHL7	CISS3|KLH	kelch lik	protein-coding
chr9-3312	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr9	33127962	33128713	+	0	NA	intron (N	intron (N	19645	NR_162131	1.13E+08		NR_162131		MIR12117	-	microRNA	ncRNA
chr9-3539	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr9	35399128	35400104	+	0	NA	intron (N	intron (N	-7139	NR_110320	158381	Hs.575661	NM_003581	ENSG00000	ATP8B5P	FetA	ATPase ph	pseudo
chr9-1133	5.956925	1.042914	0.96166	1.084493	0.278146	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	L3|LINE|C	9205	NM_001317	210	Hs.1227	NM_000031	ENSG00000	ALAD	ALADH|PBG	aminolevu	protein-coding
chr1-1003	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr1	10036998	10037863	+	0	NA	intron (N	intron (N	4472	NM_001105	10277	Hs.593974	NM_006048	ENSG00000	UBE4B	E4|HDNB1|	ubiquitir	protein-coding
chr18-797	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr18	79706002	79707333	+	0	NA	intron (N	intron (N	25237	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr2-4378	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr2	43786559	43787505	+	0	NA	intron (N	intron (N	12993	NM_001193	51626	Hs.371597	NM_015522	ENSG00000	DYNC2LI1	CGI-60|D2	dynein cy	protein-coding
chr20-623	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr20	62310969	62312369	+	0	NA	exon (NM_	exon (NM_	8672	NM_007002	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr21-430	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr21	43024531	43025031	+	0	NA	intron (N	intron (N	43623	NM_001321	875	Hs.533013	NM_000071	ENSG00000	CBS	CBSL|HIP4	cystathic	protein-coding
chr22-439	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr22	43937432	43941502	+	0	NA	intron (N	intron (N	15662	NM_025225	80339	Hs.654800	NM_025225	ENSG00000	PNPLA3	ADPN|C22c	patatin l	protein-coding
chr7-1482	5.990207	1.046082	0.964637	1.08443	0.278174	0.981636	chr7	1482483	1485643	+	0	NA	exon (NM_	exon (NM_	20326	NM_001080	26173	Hs.532188	NM_001080	ENSG00000	INTS1	INT1|NET2	integratc	protein-coding
chr16-668	7.425239	-0.94562	0.872014	-1.08441	0.278184	0.981636	chr16	66813519	66814042	+	0	NA	intron (N	intron (N	-12160	NM_001136	283847	Hs.376505	NM_173616	ENSG00000	TERB1	CCDC79	telomere	protein-coding
chr2-1714	10.68163	0.795164	0.73333	1.084319	0.278224	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSc5|SI	-12747	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr5-4619	10.68163	0.795164	0.73333	1.084319	0.278224	0.981636	chr5	461972	462359	+	0	NA	exon (NM_	exon (NM_	10800	NR_024158	25845	Hs.719132	NR_024158	ENSG00000	PP7080	-	uncharact	ncRNA
chr17-296	9.022706	0.873766	0.80696	1.082786	0.278903	0.981636	chr17	29648182	29648447	+	0	NA	exon (NM_	exon (NM_	-26891	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr1-1228	21.45579	0.591561	0.54643	1.082593	0.278989	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1370291	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-1743	11.18792	0.771223	0.712529	1.082375	0.279086	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSg|SIN	14196	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr12-116	4.939806	-1.16002	1.071786	-1.08232	0.279109	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	intron (N	AluJb|SIN	130977	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr12-123	4.939806	-1.16002	1.071786	-1.08232	0.279109	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10847	NM_180699	11066	Hs.632738	NM_007020	ENSG00000	SNRNP35	HM-1|U1SN	small nuc	protein-coding
chr15-591	4.939806	-1.16002	1.071786	-1.08232	0.279109	0.981636	chr15	59116685	59117606	+	0	NA	intron (N	intron (N	11999	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr9-1089	4.939806	-1.16002	1.071786	-1.08232	0.279109	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	29643	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr11-459	4.751604	1.168292	1.079444	1.082308	0.279116	0.981636	chr11	45943980	45944665	+	0	NA	intron (N	L1MC4|LIN	21666	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr11-642	5.949067	1.045864	0.966462	1.082157	0.279183	0.981636	chr11	64278508	64279995	+	0	NA	intron (N	L2a|LINE|	-5088	NM_001170	56834	Hs.523763	NM_020155	ENSG00000	GPR137	C11orf4|C	G proteir	protein-coding
chr2-9514	5.949067	1.045864	0.966462	1.082157	0.279183	0.981636	chr2	95145210	95146097	+	0	NA	3’ UTR (N	3’ UTR (N	13932	NM_001318	84874	Hs.355664	NM_032788	ENSG00000	ZNF514	-	zinc fing	protein-coding
chr2-1214	5.949067	1.045864	0.966462	1.082157	0.279183	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA3|LIN	-66195	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr12-653	8.599314	-0.88522	0.818028	-1.08214	0.27919	0.981636	chr12	65348903	65349564	+	0	NA	intron (N	L1PA2|LIN	70246	NM_001193	253827	Hs.339024	NM_198080	ENSG00000	MSRB3	DFNB74	methionir	protein-coding
chr10-733	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr10	73390943	73391142	+	0	NA	intron (N	AluSc|SIN	23016	NM_001156	310	Hs.631827	NM_001156	ENSG00000	ANXA7	ANX7|SNX|	annexin A	protein-coding
chr12-105	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MER21C|LT	18387	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr16-247	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr16	24739296	24739607	+	0	NA	intron (N	L1MB7|LIN	9800	NM_014494	27327	Hs.655057	NM_014494	ENSG00000	TNRC6A	CAGH26|FA	trinuclec	protein-coding
chr2-2147	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	exon (NM_	exon (NM_	80834	NM_001282	580	Hs.591642	NM_000465	ENSG00000	BARD1	-	BRCA1 ass	protein-coding
chr21-258	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr21	25889617	25890167	+	0	NA	intron (N	intron (N	-154238	NM_001003	522	Hs.246310	NM_001685	ENSG00000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr3-1504	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	Intergeni	AluSz|SIN	64916	NM_001303	9819	Hs.722470	NM_014779	ENSG00000	TSC22D2	TILZ4a|TI	TSC22 dom	protein-coding
chr6-5251	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr6	52518943	52519764	+	0	NA	intron (N	L1MB2|LIN	57707	NM_012288	9697	Hs.520182	NM_012288	ENSG00000	TRAM2	-	transloca	protein-coding
chr9-3246	6.11203	-1.04367	0.964618	-1.08195	0.279273	0.981636	chr9	32462566	32463126	+	0	NA	intron (N	intron (N	63350	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bc	protein-coding
chr21-326	8.04587	-0.95348	0.881329	-1.08187	0.279312	0.981636	chr21	32607230	32607473	+	0	NA	intron (N	AluSp|SIN	5026	NM_001350	1.1E+08	Hs.5811	NM_001350338		C21orf59-	-	C21orf59-	protein-coding
chr5-4822	14.64675	0.686901	0.635016	1.081705	0.279384	0.981636	chr5	48228465	48229741	+	0	NA	Intergeni	ALR/Alpha	2212185	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-2741	7.34296	-0.95442	0.882382	-1.08164	0.279412	0.981636	chr3	27410642	27412238	+	0	NA	intron (N	intron (N	-41980	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr4-9421	7.34296	-0.95442	0.882382	-1.08164	0.279412	0.981636	chr4	94216165	94216651	+	0	NA	intron (N	intron (N	8324	NR_045644	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr11-782	7.170104	0.959513	0.887324	1.081357	0.279539	0.981636	chr11	78223066	78223307	+	0	NA	intron (N	MIRb|SINE	34267	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitir	protein-coding
chr17-383	7.170104	0.959513	0.887324	1.081357	0.279539	0.981636	chr17	38371248	38371463	+	0	NA	intron (N	AluSx|SIN	19511	NM_014598	30837	Hs.514132	NM_014598	ENSG00000	SOCS7	NAP4|NCKA	suppressc	protein-coding
chr22-207	7.170104	0.959513	0.887324	1.081357	0.279539	0.981636	chr22	20720836	20721646	+	0	NA	intron (N	intron (N	20127	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AF	transmemb	pseudo
chr7-1406	7.170104	0.959513	0.887324	1.081357	0.279539	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	16126	NR_001362	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr2-1135	20.71412	-0.58425	0.540325	-1.0813	0.279564	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSp|SIN	2930	NR_024077	375260	Hs.446466	NM_198943	ENSG00000	WASH2P	FAM39B	WASP fami	pseudo
chr22-462	5.992057	1.061442	0.981644	1.081289	0.279568	0.981636	chr22	46203762	46204280	+	0	NA	intron (N	L1ME1|LIN	46272	NM_207327	150383	Hs.103110	NM_207327	ENSG00000	CDPF1	C22orf40	cysteine	protein-coding
chr1-2057	7.409523	-0.94245	0.871742	-1.08111	0.27965	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	26001	NM_022731	64710	Hs.213061	NM_022731	ENSG00000	NUCKS1	JC7|NUCKS	nuclear c	protein-coding
chr17-685	7.409523	-0.94245	0.871742	-1.08111	0.27965	0.981636	chr17	68532356	68532856	+	0	NA	3’ UTR (N	3’ UTR (N	17212	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr2-1443	7.409523	-0.94245	0.871742	-1.08111	0.27965	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-58538	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr1-1680	7.742964	0.917542	0.848728	1.08108	0.279662	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	17418	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr15-732	7.742964	0.917542	0.848728	1.08108	0.279662	0.981636	chr15	73285546	73285750	+	0	NA	intron (N	intron (N	-14262	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr19-470	7.742964	0.917542	0.848728	1.08108	0.279662	0.981636	chr19	47072864	47073421	+	0	NA	intron (N	AluSz6|SI	-24518	NM_017854	54958	Hs.105606	NM_017854	ENSG00000	TMEM160	-	transmemb	protein-coding
chr8-2199	7.768387	0.922515	0.853341	1.081061	0.27967	0.981636	chr8	21998994	21999547	+	0	NA	non-codin	non-codin	-24864	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr5-6615	8.632595	-0.88015	0.814227	-1.08096	0.279713	0.981636	chr5	66158933	66160271	+	0	NA	intron (N	intron (N	14767	NM_139168	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr6-1438	8.632595	-0.88015	0.814227	-1.08096	0.279713	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	AluY|SINE	-29811	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribc	protein-coding
chr1-5513	6.186451	-1.03087	0.953761	-1.08084	0.279767	0.981636	chr1	55130562	55131024	+	0	NA	intron (N	intron (N	84571	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitir	protein-coding
chr5-1773	8.441989	0.907836	0.840046	1.080698	0.279832	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	Intergeni	Intergeni	-18450	NM_001142	83463	Hs.743332	NM_031300	ENSG00000	MXD3	BHLHC13|M	MAX dimer	protein-coding
chr22-375	4.855677	-1.19403	1.104953	-1.08062	0.279867	0.981636	chr22	37565328	37565749	+	0	NA	intron (N	L1ME3|LIN	5058	NM_152243	11135	Hs.225356	NM_152243	ENSG00000	CDC42EP1	BORG5|CEF	CDC42 eff	protein-coding
chr3-9893	10.37398	-0.79745	0.738031	-1.08051	0.279913	0.981636	chr3	9893009	9893415	+	0	NA	exon (NM_	exon (NM_	2602	NM_001363	84522	Hs.24054	NM_032492	ENSG00000	JAGN1	GL009|SCN	jagunal h	protein-coding
chr9-3605	10.37398	-0.79745	0.738031	-1.08051	0.279913	0.981636	chr9	36057255	36057840	+	0	NA	intron (N	AluJb|SIN	20634	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversior	protein-coding
chr2-3856	8.071294	-0.94603	0.875665	-1.08036	0.279983	0.981636	chr2	38562591	38562875	+	0	NA	TTS (NM_0	TTS (NM_0	40195	NM_138394	92906	Hs.445497	NM_138394	ENSG00000	HNRNPLL	HNRPLL|SF	heteroger	protein-coding
chr20-492	6.651792	1.047702	0.970334	1.079733	0.280261	0.981636	chr20	49244101	49244300	+	0	NA	TTS (NM_0	TTS (NM_0	24905	NM_017895	55661	Hs.65234	NM_017895	ENSG00000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr20-329	10.34671	-0.81175	0.751976	-1.07949	0.280369	0.981636	chr20	3292708	3292969	+	0	NA	intron (N	AluSx1|SI	-53648	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr5-1517	10.36612	-0.79628	0.737837	-1.07921	0.280494	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-27864	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA
chr11-936	6.178593	-1.029	0.95368	-1.07898	0.280598	0.981636	chr11	93667774	93668064	+	0	NA	intron (N	intron (N	6237	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr12-646	6.178593	-1.029	0.95368	-1.07898	0.280598	0.981636	chr12	64614091	64614405	+	0	NA	intron (N	AluSq2|SI	3753	NM_178169	283349	Hs.643605	NM_178169	ENSG00000	RASSF3	RASSF5	Ras assoc	protein-coding
chr12-646	6.178593	-1.029	0.95368	-1.07898	0.280598	0.981636	chr12	64685611	64687225	+	0	NA	intron (N	AluY|SINE	-63813	NR_037515	1.01E+08		NR_037515	ENSG00000	MIR548Z	-	microRNA	ncRNA
chr3-5756	6.178593	-1.029	0.95368	-1.07898	0.280598	0.981636	chr3	57567815	57568384	+	0	NA	intron (N	intron (N	11825	NM_001322	201626	Hs.572993	NM_177966	ENSG00000	PDE12	2’-PDE|2-	phosphodi	protein-coding
chr6-7344	6.194309	-1.03268	0.957412	-1.07861	0.28076	0.981636	chr6	73444524	73444925	+	0	NA	intron (N	L2|LINE|L	7573	NM_138441	115004	Hs.658405	NM_138441	ENSG00000	CGAS	C6orf150|	cyclic GM	protein-coding
chr11-625	7.203386	0.962205	0.892133	1.078544	0.280791	0.981636	chr11	62580746	62581040	+	0	NA	intron (N	AluSx|SIN	-7002	NM_001404	1937	Hs.144835	NM_001404	ENSG00000	EEF1G	EF1G|GIG3	eukaryoti	protein-coding

chr22-280	7.203386	0.962205	0.892133	1.078544	0.280791	0.981636	chr22	28061478	28061740	+	0	NA	intron (N	L1P1|LINE	-140997	NR_036169	1E+08		NR_036169	ENSG00000	MIR3199-1	mir-3199-	microRNA	ncRNA
chr9-1276	7.203386	0.962205	0.892133	1.078544	0.280791	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	promoter-	promoter-	-83	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr22-200	4.743746	1.172159	1.086905	1.078437	0.280839	0.981636	chr22	20040490	20041353	+	0	NA	intron (N	intron (N	7782	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr14-451	4.873242	-1.17922	1.093537	-1.07835	0.280877	0.981636	chr14	45112263	45112915	+	0	NA	intron (N	intron (N	1714	NR_003691	1E+08	Hs.712501	NR_003691	ENSG00000	SNORD127	-	small nuc	snoRNA
chr17-163	4.873242	-1.17922	1.093537	-1.07835	0.280877	0.981636	chr17	16346686	16347560	+	0	NA	intron (N	AluJb|SIN	6346	NM_181716	201161	Hs.433422	NM_181716	ENSG00000	CENPV	3110013H0	centromer	protein-coding
chr20-944	7.776245	0.920254	0.853448	1.078277	0.28091	0.981636	chr20	9447118	9447476	+	0	NA	intron (N	MLT1H|LTR	-67061	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr2-5453	7.317536	-0.96229	0.892641	-1.07802	0.281023	0.981636	chr2	54535911	54536110	+	0	NA	intron (N	AluSq2|SI	6788	NR_002229	56969	Hs.657366	NM_020217		RPL23AP32	RPL23A_9_	ribosomal	pseudo
chr14-305	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr14	30562612	30563045	+	0	NA	intron (N	LTR13|LTR	3670	NM_017769	55632	Hs.509008	NM_017769	ENSG00000	G2E3	KIAA1333|	G2/M-phas	protein-coding
chr15-671	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr15	67124031	67124623	+	0	NA	intron (N	intron (N	-1389	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr17-171	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr17	17102328	17102539	+	0	NA	intron (N	intron (N	59673	NM_201274	23164	Hs.462341	NM_015134	ENSG00000	MPRIP	M-RIP|MRI	myosin ph	protein-coding
chr2-9390	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr2	9390947	9392312	+	0	NA	intron (N	AluSx1|SI	30962	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr22-357	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr22	35761065	35761814	+	0	NA	exon (NM_	exon (NM_	43567	NM_030642	80831	Hs.326561	NM_030642	ENSG00000	APOL5	APOL-V|AF	apolipopr	protein-coding
chr6-1580	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	17372	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1012	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	Intergeni	AluJb|SIN	-4203	NM_016068	51024	Hs.423968	NM_016068	ENSG00000	FIS1	CGI-135|T	fission,	protein-coding
chr8-1067	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr8	1.07E+08	1.07E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18645	NM_139166	137735	Hs.374668	NM_139166	ENSG00000	ABRA	STARS	actin bin	protein-coding
chr9-1110	6.137454	-1.03438	0.959725	-1.07779	0.281126	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	3298	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr4-8678	12.05851	-0.73971	0.68635	-1.07774	0.28115	0.981636	chr4	86786860	86787106	+	0	NA	intron (N	AluSz|SIN	62401	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr1-1837	7.71754	0.912639	0.846907	1.077614	0.281206	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJr4|SI	-62093	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr17-700	7.71754	0.912639	0.846907	1.077614	0.281206	0.981636	chr17	7002040	7002662	+	0	NA	intron (N	intron (N	6302	NM_000697	239	Hs.654431	NM_000697	ENSG00000	ALOX12	12-LOX|12	arachidon	protein-coding
chr20-336	7.71754	0.912639	0.846907	1.077614	0.281206	0.981636	chr20	33644523	33645908	+	0	NA	3’ UTR (N	3’ UTR (N	-17112	NM_080825	128864	Hs.324104	NM_080825	ENSG00000	C20orf144	dJ63M2.6	chromosom	protein-coding
chr19-211	9.460589	0.826628	0.767674	1.076795	0.281572	0.981636	chr19	21116945	21117831	+	0	NA	exon (NM_	exon (NM_	-24652	NM_001319	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr2-2628	9.460589	0.826628	0.767674	1.076795	0.281572	0.981636	chr2	26281056	26281307	+	0	NA	intron (N	L3|LINE|C	36242	NM_001281	3032	Hs.515848	NM_000183	ENSG00000	HADHB	ECHB|MSTP	hydroxyac	protein-coding
chr10-730	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr10	73034489	73034841	+	0	NA	intron (N	AluJb|SIN	62309	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr14-347	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr14	34712287	34713415	+	0	NA	non-codin	non-codin	966	NM_021914	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr14-504	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr14	50448128	50448537	+	0	NA	intron (N	intron (N	-51034	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|P	cyclin de	protein-coding
chr14-950	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr14	95090587	95091013	+	0	NA	intron (N	intron (N	42703	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr2-1131	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr2	11318983	11319315	+	0	NA	intron (N	L1PA5|LIN	25487	NM_004850	9475	Hs.681743	NM_004850	ENSG00000	ROCK2	ROCK-II	Rho assoc	protein-coding
chr21-743	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr21	7435017	7435256	+	0	NA	intron (N	intron (N	4499	NM_001322	1.03E+08	Hs.743984	NM_001322036		LOC102724	-	uncharact	protein-coding
chr22-238	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr22	23813091	23813527	+	0	NA	intron (N	L1MD2|LIN	25697	NM_001135	91319	Hs.593679	NM_198440	ENSG00000	DERL3	C22orf14|	derlin 3	protein-coding
chr22-240	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr22	24057389	24057614	+	0	NA	intron (N	HAL1|LINE	46131	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr8-1335	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	45684	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-8396	7.368384	-0.94676	0.879249	-1.07678	0.281579	0.981636	chr9	83966969	83968133	+	0	NA	TTS (NM_0	TTS (NM_0	2306	NR_029605	407043		NR_029605	ENSG00000	MIR7-1	MIRN7-1|h	microRNA	ncRNA
chr22-501	5.403482	1.140294	1.059166	1.076596	0.281661	0.981636	chr22	50198135	50198507	+	0	NA	intron (N	CpG-19336	-2690	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr1-2435	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr1	24357926	24358617	+	0	NA	3’ UTR (N	3’ UTR (N	35231	NM_021180	57822	Hs.657920	NM_021180	ENSG00000	GRHL3	SOM|TFCP2	grainyhea	protein-coding
chr1-9872	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr1	98727554	98728051	+	0	NA	intron (N	L1PA10|LI	66081	NM_001364	51375	Hs.197015	NM_015976	ENSG00000	SNX7	-	sorting n	protein-coding
chr1-1233	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1786487	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2489	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (N	intron (N	9847	NM_001017	267002	Hs.602037	NM_170725	ENSG00000	PGBD2	-	piggyBac	protein-coding
chr10-103	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-26700	NM_014631	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr10-125	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	8432	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr16-698	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr16	69872306	69872525	+	0	NA	intron (N	AluY|SINE	33678	NM_001270	11060	Hs.408458	NM_007014	ENSG00000	WWP2	AIP2|WWp2	WW domain	protein-coding
chr17-824	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr17	82479144	82480036	+	0	NA	intron (N	intron (N	20849	NM_012336	26502	Hs.256526	NM_012336	ENSG00000	NARF	IOP2	nuclear p	protein-coding
chr19-369	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr19	36991343	36992166	+	0	NA	exon (NM_	exon (NM_	75422	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr19-414	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr19	41418889	41420786	+	0	NA	intron (N	AluSq2|SI	8893	NM_198540	374907	Hs.441681	NM_198540	ENSG00000	B3GNT8	B3GALT7|B	UDP-GlcNA	protein-coding
chr20-620	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr20	62000932	62003833	+	0	NA	intron (N	intron (N	-48720	NR_031658	1E+08		NR_031658	ENSG00000	MIR1257	MIRN1257|	microRNA	ncRNA
chr3-4471	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr3	44716449	44718784	+	0	NA	intron (N	AluSp|SIN	4956	NM_001134	91392	Hs.224843	NM_033210	ENSG00000	ZNF502	-	zinc fing	protein-coding
chr5-3744	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr5	37444808	37445325	+	0	NA	intron (N	MER1B|DNA	65748	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr9-3539	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr9	35390188	35390851	+	0	NA	intron (N	intron (N	-16236	NR_110320	158381	Hs.575661	NR_003581	ENSG00000	ATP8B5P	FetA	ATPase ph	pseudo
chr9-1048	5.964783	1.039917	0.966394	1.076079	0.281892	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	L2b|LINE|	75979	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr19-120	8.681593	-0.87777	0.816226	-1.0754	0.282198	0.981636	chr19	12002690	12003671	+	0	NA	intron (N	AluSx4|SI	15563	NR_134927	1.02E+08	Hs.631643	NR_134927	ENSG00000	ZNF433-AS	-	ZNF433 an	ncRNA
chr1-8894	4.898666	-1.16712	1.085447	-1.07524	0.282266	0.981636	chr1	88941700	88942064	+	0	NA	intron (N	L1MEf|LIN	-50315	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr18-130	4.898666	-1.16712	1.085447	-1.07524	0.282266	0.981636	chr18	13032321	13032636	+	0	NA	intron (N	intron (N	41116	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr18-687	4.898666	-1.16712	1.085447	-1.07524	0.282266	0.981636	chr18	68701169	68701694	+	0	NA	intron (N	L2b|LINE|	13677	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr2-3884	4.72618	1.160754	1.07961	1.07516	0.282303	0.981636	chr2	38845883	38846441	+	0	NA	intron (N	AluSx|SIN	29772	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr22-214	4.72618	1.160754	1.07961	1.07516	0.282303	0.981636	chr22	21442851	21443703	+	0	NA	intron (N	intron (N	-23893	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr4-3528	4.72618	1.160754	1.07961	1.07516	0.282303	0.981636	chr4	3528347	3529237	+	0	NA	intron (N	intron (N	3357	NR_110005	4043	Hs.40966	NM_002337	ENSG00000	LRPAP1	A2MRAP|A2	LDL recep	protein-coding
chr11-520	11.2115	0.766627	0.713142	1.074999	0.282375	0.981636	chr11	52046817	52047538	+	0	NA	Intergeni	ALR/Alpha	1638030	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-265	11.2115	0.766627	0.713142	1.074999	0.282375	0.981636	chr19	26584213	26584842	+	0	NA	Intergeni	ALR/Alpha	-1208904	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-3700	7.299971	-0.97211	0.904286	-1.075	0.282375	0.981636	chr2	37003510	37003709	+	0	NA	exon (NM_	exon (NM_	-37073	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr1-1590	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr1	15909546	15909920	+	0	NA	intron (N	intron (N	-61586	NR_024279	729614	Hs.119298	NR_024279	ENSG00000	FLJ37453	-	uncharact	ncRNA
chr1-1569	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-7903	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr10-295	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr10	29553016	29555961	+	0	NA	intron (N	AluJr|SIN	-9391	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr15-425	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr15	42523639	42524571	+	0	NA	intron (N	AluSg4|SI	24688	NM_153260	255252	Hs.234681	NM_153260	ENSG00000	LRRC57	-	leucine r	protein-coding
chr17-392	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr17	39260510	39263746	+	0	NA	intron (N	intron (N	-35272	NR_162098	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr18-360	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr18	36030558	36030776	+	0	NA	intron (N	intron (N	36892	NM_001303	55197	Hs.464912	NM_018170	ENSG00000	RPRD1A	HsT3101|P	regulatio	protein-coding
chr4-3975	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr4	39757763	39758131	+	0	NA	intron (N	L2|LINE|L	59811	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr8-2760	7.725398	0.910403	0.847011	1.074841	0.282446	0.981636	chr8	27605178	27605408	+	0	NA	non-codin	non-codin	5458	NR_106902	1.02E+08		NR_106902	ENSG00000	MIR6843	hsa-mir-6	microRNA	ncRNA
chr1-1662	14.68003	0.68845	0.640597	1.074701	0.282509	0.981636	chr1	16626895	16628813	+	0	NA	intron (N	intron (N	3052	NR_026752	84809	Hs.631865	NR_026752	ENSG00000	CROCCP2	CROCCL1	CROCC pse	pseudo
chr1-2237	12.86256	0.717818	0.667984	1.074603	0.282553	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	exon (NM_	exon (NM_	49960	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASP	tumor pro	protein-coding
chr1-2365	9.49387	0.828913	0.771526	1.074382	0.282652	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	exon (NM_	exon (NM_	-31383	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 an	ncRNA
chr18-586	9.092202	-0.84641	0.787968	-1.07417	0.282745	0.981636	chr18	58686281	58687033	+	0	NA	intron (N	intron (N	-14784	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr20-137	9.092202	-0.84641	0.787968	-1.07417	0.282745	0.981636	chr20	1374041	1374321	+	0	NA	intron (N	intron (N	18780	NR_106929	1.02E+08		NR_106929	ENSG00000	MIR6869	hsa-mir-6	microRNA	ncRNA
chr11-672	7.401665	-0.94077	0.875809	-1.07417	0.282746	0.981636	chr11	67257207	67257543	+	0	NA	non-codin	non-codin	-9098	NM_001619	156	Hs.83636	NM_001619	ENSG00000	GRK2	ADRBK1|BA	G protein	protein-coding
chr15-808	7.401665	-0.94077	0.875809	-1.07417	0.282746	0.981636	chr15	80821822	80822101	+	0	NA	intron (N	intron (N	20112	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr19-263	15.69863	0.65518	0.610041	1.073993	0.282826	0.981636	chr19	26384378	26385751	+	0	NA	Intergeni	ALR/Alpha	-1408367	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-454	8.913153	0.858424	0.799567	1.073611	0.282997	0.981636	chr17	45481757	45481956	+	0	NA	intron (N	intron (N	-6421	NR_036199	1E+08		NR_036199	ENSG00000	MIR4315-1	-	microRNA	ncRNA
chr20-459	8.913153	0.858424	0.799567	1.073611	0.282997	0.981636	chr20	45945245	45945530	+	0	NA	intron (N	intron (N	10704	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr13-803	8.566032	-0.89037	0.829578	-1.07328	0.283145	0.981636	chr13	80334011	80334423	+	0	NA	Intergeni	AluY|SINE	5442	NM_001318	10253	Hs.18676	NM_005842	ENSG00000	SPRY2	IGAN3|hSP	sprouty R	protein-coding
chr8-6167	8.566032	-0.89037	0.829578	-1.07328	0.283145	0.981636	chr8	61670663	61670990	+	0	NA	intron (N	intron (N	18985	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr11-577	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr11	57719823	57720083	+	0	NA	intron (N	MER4B-int	7360	NM_015959	51075	Hs.654965	NM_015959	ENSG00000	TMX2	CGI-31|PD	thioredox	protein-coding
chr16-117	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr16	11795190	11795654	+	0	NA	intron (N	intron (N	1836	NM_014153	29066	Hs.371856	NM_014153	ENSG00000	ZC3H7A	HSPC055|Z	zinc fing	protein-coding
chr6-1472	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1M2|LINE	-93664	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr8-6166	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr8	61665503	61666488	+	0	NA	intron (N	intron (N	23816	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1233	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx1|SI	-19252	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA
chr9-2801	6.170736	-1.02705	0.957171	-1.073	0.283269	0.981636	chr9	2801065	2801759	+	0	NA	Intergeni	HAL1|LINE	42683	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio R	protein-coding
chr1-7748	4.931948	-1.15753	1.079162	-1.07262	0.283441	0.981636	chr1	77486823	77487022	+	0	NA	intron (N	intron (N	195736	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr6-1825	4.931948	-1.15753	1.079162	-1.07262	0.283441	0.981636	chr6	18251029	18252229	+	0	NA	intron (N	intron (N	12901	NM_001134	7913	Hs.484813	NM_003472	ENSG00000	DEK	D6S231E	DEK proto	protein-coding
chr3-1959	9.109768	-0.83905	0.782614	-1.07211	0.283672	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJo|SIN	27459	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr7-1308	9.109768	-0.83905	0.782614	-1.07211	0.283672	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	(T)n|Simp	-15462	NR_029517	407024		NR_029517	ENSG00000	MIR29B1	MIRN29B1|	microRNA	ncRNA
chr13-102	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-11423	NR_026965	121952	Hs.660773	NR_026965	ENSG00000	METTL21EP	METTL21CP	methyltra	pseudo
chr2-4694	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr2	46946371	46946923	+	0	NA	intron (N	AluJr|SIN	-4792	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr20-328	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr20	3288598	3288819	+	0	NA	intron (N	intron (N	-49518	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr22-171	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr22	17100487	17100734	+	0	NA	intron (N	intron (N	15651	NM_001289	23765	Hs.48353	NM_014339	ENSG00000	IL17RA	CANDF5|CD	interleuk	protein-coding
chr5-1322	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	15318	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr6-1360	5.931502	1.036716	0.967372	1.071682	0.283863	0.981636	chr6	13600790	13601321	+	0	NA	intron (N	intron (N	-14272	NM_001317	51406	Hs.306242	NM_016167	ENSG00000	NOL7	C6orf90|P	nucleolar	protein-coding
chr5-4769	22.35513	0.562745	0.525115	1.071661	0.283872	0.981636	chr5	47694620	47696328	+	0	NA	Intergeni	ALR/Alpha	-1999094	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1510	9.468447	0.824819	0.769911	1.071318	0.284026	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJr|SIN	-8698	NM_138278	149428	Hs.591473	NM_138278	ENSG00000	BNIPL	BNIP-S|BN	BCL2 inte	protein-coding
chr16-486	9.468447	0.824819	0.769911	1.071318	0.284026	0.981636	chr16	4860960	4862317	+	0	NA	intron (N	intron (N	13258	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr6-1436	9.076486	-0.84376	0.787613	-1.07129	0.284041	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	AluJb|SIN	4503	NM_001100	9749	Hs.102471	NM_014721	ENSG00000	PHACTR2	C6orf56	phosphata	protein-coding
chr12-100	4.718322	1.164564	1.08708	1.071277	0.284045	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	L3|LINE|C	76870	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamin	protein-coding
chr2-4432	4.718322	1.164564	1.08708	1.071277	0.284045	0.981636	chr2	44329453	44330752	+	0	NA	intron (N	intron (N	29647	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr17-388	8.881722	0.866259	0.808651	1.07124	0.284062	0.981636	chr17	38802029	38802240	+	0	NA	non-codin	non-codin	-2229	NM_003559	8396	Hs.260603	NM_003559	ENSG00000	PIP4K2B	PI5P4KB|P	phosphati	protein-coding
chr9-4352	20.66478	0.580227	0.541756	1.071011	0.284165	0.981636	chr9	43524996	43525251	+	0	NA	Intergeni	ALR/Alpha	398957	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-405	9.435165	0.822552	0.768159	1.07081	0.284255	0.981636	chr10	40545676	40546475	+	0	NA	Intergeni	ALR/Alpha	1821970	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-310	9.435165	0.822552	0.768159	1.07081	0.284255	0.981636	chr16	31090878	31091230	+	0	NA	3’ UTR (N	3’ UTR (N	-2245	NM_001039	339105	Hs.569575	NM_001039	ENSG00000	PRSS53	POL3S|UNG	serine pr	protein-coding
chr14-350	7.692116	0.907751	0.847845	1.070657	0.284324	0.981636	chr14	35053547	35054096	+	0	NA	intron (N	AluSx1|SI	7577	NM_173607	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr17-188	7.692116	0.907751	0.847845	1.070657	0.284324	0.981636	chr17	18867420	18867755	+	0	NA	intron (N	intron (N	2118	NM_001243	5636	Hs.632236	NM_002767	ENSG00000	PRPSAP2	PAP41	phosphori	protein-coding
chr6-4269	7.692116	0.907751	0.847845	1.070657	0.284324	0.981636	chr6	42692707	42693249	+	0	NA	3’ UTR (N	3’ UTR (N	29619	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-7384	7.692116	0.907751	0.847845	1.070657	0.284324	0.981636	chr6	73847571	73847874	+	0	NA	Intergeni	L1PA3|LIN	151519	NM_133493	135228	Hs.399891	NM_133493	ENSG00000	CD109	CPAMD7|p1	CD109 mol	protein-coding
chr6-1113	7.692116	0.907751	0.847845	1.070657	0.284324	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-85063	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr13-414	9.444873	0.830322	0.775742	1.070358	0.284458	0.981636	chr13	41458416	41458633	+	0	NA	intron (N	CpG-6628	974	NM_014059	28984	Hs.507866	NM_014059	ENSG00000	RGCC	C13orf15|	regulator	protein-coding
chr2-2377	6.865788	-1.01537	0.948855	-1.0701	0.284573	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSz|SIN	-28108	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr5-5305	7.128965	0.959077	0.896278	1.070066	0.284589	0.981636	chr5	53052414	53052828	+	0	NA	intron (N	intron (N	57136	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr12-880	11.18607	0.763102	0.713352	1.069742	0.284735	0.981636	chr12	88090453	88090766	+	0	NA	intron (N	AluJb|SIN	51607	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr9-1308	8.665877	-0.87491	0.818164	-1.06936	0.284906	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	24862	NM_005157	25	Hs.431048	NM_005157	ENSG00000	ABL1	ABL|CHDSK	ABL proto	protein-coding
chr17-189	5.923644	1.039661	0.972227	1.069361	0.284907	0.981636	chr17	18911611	18911934	+	0	NA	intron (N	intron (N	-38904	NM_001282	125206	Hs.462418	NM_152351	ENSG00000	SLC5A10	SGLT-5|SG	solute ca	protein-coding
chr9-1254	9.10191	-0.83773	0.783486	-1.06923	0.284964	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	196039	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr1-1242	13.45899	0.700706	0.655632	1.068749	0.285183	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2702645	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-507	8.591456	-0.88372	0.827384	-1.06809	0.285482	0.981636	chr14	50723368	50723567	+	0	NA	exon (NM_	exon (NM_	-55161	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr1-1234	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr1	12345495	12347519	+	0	NA	intron (N	intron (N	116477	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-2357	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	61492	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr19-283	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr19	2832116	2836650	+	0	NA	exon (NM_	exon (NM_	-7092	NM_001172	148254	Hs.47712	NM_152791	ENSG00000	ZNF555	-	zinc fing	protein-coding
chr19-403	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr19	40366908	40368996	+	0	NA	intron (N	intron (N	-1894	NR_106854	1.02E+08		NR_106854	ENSG00000	MIR6796	hsa-mir-6	microRNA	ncRNA
chr2-7344	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr2	73448241	73448734	+	0	NA	exon (NM_	exon (NM_	-8616	NR_046762	1.01E+08	Hs.668279	NR_046762	ENSG00000	ALMS1-IT1	-	ALMS1 int	ncRNA

chr2-1178	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-6851	NR_158150	1.08E+08		NR_158150		LOC107985	-	uncharact	ncRNA
chr22-243	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr22	24354567	24354865	+	0	NA	intron (N	AluSc|SIN	12608	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr8-3275	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr8	32759252	32761593	+	0	NA	3' UTR (N	3' UTR (N	38587	NM_001322	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr9-9594	7.699974	0.90551	0.847949	1.067883	0.285573	0.981636	chr9	95945090	95945302	+	0	NA	intron (N	MER11C|LT	69188	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr3-1574	6.104172	-1.04185	0.975923	-1.06755	0.285724	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	L1PA16|LI	13811	NM_001167	79674	Hs.658046	NM_024621	ENSG00000	VEPH1	MELT|VEPH	ventricul	protein-coding
chr5-1461	6.104172	-1.04185	0.975923	-1.06755	0.285724	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	-32107	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr19-117	7.335102	-0.95284	0.892587	-1.06751	0.285744	0.981636	chr19	11731070	11731310	+	0	NA	intron (N	AluSp|SIN	7756	NM_001080	55552	Hs.142167	NM_017507	ENSG00000	ZNF823	HSZFP36	zinc fing	protein-coding
chrX-1236	8.163281	-0.92705	0.868602	-1.06729	0.285843	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	L1PA5|LIN	69123	NM_001081	57187	Hs.149991	NM_020449	ENSG00000	THOC2	CXorf3|MF	THO compl	protein-coding
chr3-1111	11.65576	-0.75882	0.711	-1.06726	0.285854	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	47305	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr10-723	9.074636	-0.85412	0.800457	-1.06704	0.285953	0.981636	chr10	72337920	72338328	+	0	NA	intron (N	intron (N	16795	NM_001002	54788	Hs.500013	NM_017626	ENSG00000	DNAJB12	DJ10	DnaJ heat	protein-coding
chr16-310	7.684258	0.910006	0.85366	1.066005	0.286422	0.981636	chr16	31057913	31058189	+	0	NA	Intergeni	AluSx|SIN	7037	NM_001172	79759	Hs.102928	NM_024706	ENSG00000	ZNF668	-	zinc fing	protein-coding
chr2-9719	7.684258	0.910006	0.85366	1.066005	0.286422	0.981636	chr2	97191142	97191413	+	0	NA	intron (N	MER5A1|DN	78124	NM_001354	375248	Hs.541894	NM_198555	ENSG00000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr22-216	7.684258	0.910006	0.85366	1.066005	0.286422	0.981636	chr22	21693194	21693677	+	0	NA	intron (N	intron (N	27423	NM_148175	23759	Hs.438587	NM_014337	ENSG00000	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr10-270	7.177962	0.956814	0.897966	1.065535	0.286634	0.981636	chr10	27046014	27046269	+	0	NA	intron (N	L2|LINE|L	54357	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr9-3524	7.177962	0.956814	0.897966	1.065535	0.286634	0.981636	chr9	35245789	35246170	+	0	NA	intron (N	L1PA5|LIN	83970	NM_001330	10497	Hs.493791	NM_006377	ENSG00000	UNC13B	MUNC13|UN	unc-13 ho	protein-coding
chr9-1298	7.177962	0.956814	0.897966	1.065535	0.286634	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	2341	NM_016520	51759	Hs.278429	NM_016520	ENSG00000	C9orf78	CSU2|HCA5	chromosom	protein-coding
chr2-4258	9.443023	0.820729	0.770398	1.065331	0.286726	0.981636	chr2	42581868	42582367	+	0	NA	intron (N	AluY|SINE	13485	NM_001330	57504	Hs.435413	NM_020744	ENSG00000	MTA3	-	metastasi	protein-coding
chr12-102	5.998065	1.043	0.979374	1.064966	0.286891	0.981636	chr12	10214570	10215123	+	0	NA	intron (N	intron (N	1969	NM_031412	23710	Hs.524250	NM_031412	ENSG00000	GABARAPL1	APG8-LIKE	GABA type	protein-coding
chr2-8537	5.998065	1.043	0.979374	1.064966	0.286891	0.981636	chr2	85377198	85377530	+	0	NA	non-codin	non-codin	22595	NM_001135	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr4-5654	5.998065	1.043	0.979374	1.064966	0.286891	0.981636	chr4	5654576	5654964	+	0	NA	intron (N	intron (N	53789	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr11-711	4.734038	1.156917	1.086599	1.064714	0.287005	0.981636	chr11	71107498	71108397	+	0	NA	intron (N	intron (N	116849	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CO	SH3 and m	protein-coding
chr21-514	4.734038	1.156917	1.086599	1.064714	0.287005	0.981636	chr21	5140369	5141020	+	0	NA	intron (N	intron (N	-12254	NR_135220	8209	Hs.413482	NM_004649	ENSG00000	GATD3A	C21orf33|	glutamine	protein-coding
chr19-126	7.733256	0.908145	0.853033	1.064606	0.287054	0.981636	chr19	12655285	12655895	+	0	NA	intron (N	MIRc|SINE	11152	NM_000528	4125	Hs.356769	NM_000528	ENSG00000	MAN2B1	LAMAN|MAN	mannosida	protein-coding
chr22-293	7.733256	0.908145	0.853033	1.064606	0.287054	0.981636	chr22	29350818	29352636	+	0	NA	exon (NM_	exon (NM_	-18469	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr4-1522	6.626369	1.041864	0.979135	1.064066	0.287299	0.981636	chr4	152269	152468	+	0	NA	intron (N	LTR5_Hs|L	24247	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr2-2185	9.143049	-0.83437	0.784312	-1.06383	0.287407	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluJr|SIN	11256	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitin	protein-coding
chr20-199	9.143049	-0.83437	0.784312	-1.06383	0.287407	0.981636	chr20	19990146	19990467	+	0	NA	exon (NM_	exon (NM_	-26984	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr3-1494	9.143049	-0.83437	0.784312	-1.06383	0.287407	0.981636	chr3	14944508	14945443	+	0	NA	non-codin	non-codin	2530	NR_046254	1.01E+08	Hs.517821	NR_046251	ENSG00000	FGD5-AS1	-	FGD5 anti	ncRNA
chr4-6861	9.143049	-0.83437	0.784312	-1.06383	0.287407	0.981636	chr4	6861571	6862519	+	0	NA	exon (NM_	exon (NM_	-47399	NM_001113	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr2-2161	7.393807	-0.93901	0.882827	-1.06364	0.287491	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	7105	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr2-1731	9.094052	-0.83641	0.786482	-1.06348	0.287564	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSp|SIN	64618	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr1-2275	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	Intergeni	L1PB1|LIN	-30943	NR_102302	339500	Hs.30323	NM_032755	ENSG00000	ZNF678	-	zinc fing	protein-coding
chr1-2436	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	intron (N	198043	NM_181690	10000	Hs.498292	NM_005465	ENSG00000	AKT3	MPPH|MPPH	AKT serin	protein-coding
chr11-129	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	L2|LINE|L	27646	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr17-501	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr17	50109167	50109736	+	0	NA	TTS (NM_0	TTS (NM_0	13756	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr22-503	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr22	50305080	50305376	+	0	NA	intron (N	intron (N	2418	NM_012401	23654	Hs.3989	NM_012401	ENSG00000	PLXNB2	MM1|Nbla0	plexin B2	protein-coding
chr4-3960	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr4	39602170	39602696	+	0	NA	intron (N	AluSx1|SI	24688	NM_001317	201895	Hs.205952	NM_174921	ENSG00000	SMIM14	C4orf34	small int	protein-coding
chr4-1194	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	Intergeni	Intergeni	6278	NR_135112	1.02E+08	Hs.655864	NR_135112	ENSG00000	GTF2IP12	-	general t	pseudo
chr6-1332	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr6	13321344	13322445	+	0	NA	intron (N	intron (N	6643	NM_001318	51256	Hs.484678	NM_016495	ENSG00000	TBC1D7	MGCPH|PIG	TBC1 doma	protein-coding
chr6-1121	5.93936	1.033655	0.972158	1.063258	0.287665	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	L2c|LINE|	-55252	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr12-687	6.129596	-1.03238	0.971117	-1.06309	0.287741	0.981636	chr12	68703950	68704264	+	0	NA	intron (N	intron (N	17129	NM_020401	57122	Hs.524574	NM_020401	ENSG00000	NUP107	NPHS11|NU	nucleopor	protein-coding
chr12-955	6.129596	-1.03238	0.971117	-1.06309	0.287741	0.981636	chr12	95509694	95509934	+	0	NA	intron (N	intron (N	35662	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr3-1425	6.129596	-1.03238	0.971117	-1.06309	0.287741	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	AluYh3|SI	64242	NM_001184	545	Hs.271791	NM_001184	ENSG00000	ATR	FCTCS|FRP	ATR serin	protein-coding
chr5-7285	6.129596	-1.03238	0.971117	-1.06309	0.287741	0.981636	chr5	72851916	72852418	+	0	NA	intron (N	intron (N	4028	NM_001364	3842	Hs.482497	NM_002270	ENSG00000	TNPO1	IPO2|KPNB	transport	protein-coding
chr15-229	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr15	22970365	22970667	+	0	NA	intron (N	L1MEc|LIN	9852	NM_001324	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr2-1359	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-2181	NR_110200	1.02E+08	Hs.602178	NR_110199	ENSG00000	DARS-AS1	-	DARS anti	ncRNA
chr3-1336	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	AluJr4|SI	26500	NM_001363	11073	Hs.593379	NM_007027	ENSG00000	TOPBP1	Dpb11|TOP	DNA topoi	protein-coding
chr4-8026	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr4	80269741	80270829	+	0	NA	intron (N	intron (N	2020	NM_001291	2250	Hs.37055	NM_004464	ENSG00000	FGF5	HBGF-5|Sm	fibroblas	protein-coding
chr8-1332	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	3446	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-5457	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr9	5457046	5457365	+	0	NA	exon (NM_	exon (NM_	6663	NM_001314	29126	Hs.521989	NM_014143	ENSG00000	CD274	B7-H|B7H1	CD274 mol	protein-coding
chr9-1123	6.162878	-1.02499	0.964396	-1.06284	0.287856	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	HERVK11-i	18055	NM_032303	84263	Hs.59486	NM_032303	ENSG00000	HSDL2	C9orf99|S	hydroxyst	protein-coding
chr16-262	4.700757	1.153154	1.085154	1.062663	0.287935	0.981636	chr16	262574	263985	+	0	NA	exon (NM_	exon (NM_	12665	NM_001286	8786	Hs.65756	NM_003834	ENSG00000	RGS11	RS11	regulator	protein-coding
chr17-606	4.700757	1.153154	1.085154	1.062663	0.287935	0.981636	chr17	60680649	60681759	+	0	NA	intron (N	AluJr|SIN	3353	NM_001320	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr19-368	4.700757	1.153154	1.085154	1.062663	0.287935	0.981636	chr19	36887265	36888961	+	0	NA	TTS (NM_0	TTS (NM_0	27926	NM_001171	374899	Hs.720312	NM_001037	ENSG00000	ZNF829	-	zinc fing	protein-coding
chr20-490	4.700757	1.153154	1.085154	1.062663	0.287935	0.981636	chr20	4901967	4902454	+	0	NA	intron (N	AluJb|SIN	-78602	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|R	Ras assoc	protein-coding
chr4-8478	7.442805	-0.93617	0.881081	-1.06253	0.287997	0.981636	chr4	84788773	84788972	+	0	NA	intron (N	AluSx|SIN	-176744	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr1-2226	9.409741	0.818451	0.770767	1.061866	0.288297	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	AluSz6|SI	2184	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 d	protein-coding
chrX-1236	8.658019	-0.87337	0.822596	-1.06173	0.288359	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx1|SI	99382	NM_001081	57187	Hs.149991	NM_020449	ENSG00000	THOC2	CXorf3|MF	THO compl	protein-coding
chr4-7310	9.401883	0.82026	0.772674	1.061586	0.288424	0.981636	chr4	73106477	73106734	+	0	NA	intron (N	AluSc|SIN	-36846	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr14-746	6.078749	-1.05165	0.991035	-1.06116	0.288616	0.981636	chr14	74660404	74660603	+	0	NA	TTS (NM_0	TTS (NM_0	-48266	NM_000428	4053	Hs.512776	NM_000428	ENSG00000	LTBP2	C14orf141	latent tr	protein-coding
chr4-1062	6.078749	-1.05165	0.991035	-1.06116	0.288616	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA3|LIN	-96620	NM_001142	9255	Hs.591680	NM_004757	ENSG00000	AIMP1	EMAP2|EMA	aminoacyl	protein-coding
chr17-742	9.150907	-0.83567	0.787661	-1.06095	0.288711	0.981636	chr17	74205882	74206155	+	0	NA	intron (N	AluSz6|SI	2340	NM_001035	6169	Hs.380953	NM_000999	ENSG00000	RPL38	L38	ribosomal	protein-coding
chr20-315	9.127334	-0.83174	0.783956	-1.06095	0.288712	0.981636	chr20	31543337	31543592	+	0	NA	intron (N	AluSx1|SI	29022	NM_178582	81502	Hs.373741	NM_030789	ENSG00000	HM13	H13|IMP1|	histocomp	protein-coding
chr3-1576	9.127334	-0.83174	0.783956	-1.06095	0.288712	0.981636	chr3	15763588	15766019	+	0	NA	intron (N	intron (N	-8256	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr19-114	7.666693	0.902826	0.851592	1.060163	0.289071	0.981636	chr19	11447451	11447650	+	0	NA	exon (NM_	exon (NM_	-11768	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-co	protein-coding
chr20-366	7.666693	0.902826	0.851592	1.060163	0.289071	0.981636	chr20	36664695	36665998	+	0	NA	intron (N	intron (N	-19150	NM_032214	84174	Hs.713578	NM_032214	ENSG00000	SLA2	C20orf156	Src like	protein-coding
chr21-462	7.666693	0.902826	0.851592	1.060163	0.289071	0.981636	chr21	46200880	46201497	+	0	NA	intron (N	intron (N	-7029	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr12-462	7.853414	-0.8957	0.845002	-1.05999	0.289147	0.981636	chr12	46227803	46229273	+	0	NA	intron (N	intron (N	37978	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr1-1734	9.476305	0.822978	0.776436	1.059942	0.289171	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	non-codin	non-codin	698	NR_125960	1.02E+08	Hs.674889	NR_125960	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-590	9.476305	0.822978	0.776436	1.059942	0.289171	0.981636	chr17	59043463	59043759	+	0	NA	intron (N	L1M4b|LIN	63269	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr14-526	7.434947	-0.93452	0.882351	-1.05913	0.289542	0.981636	chr14	52655180	52655505	+	0	NA	intron (N	AluSg|SIN	40216	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|ER	endoplasm	protein-coding
chr2-1057	7.434947	-0.93452	0.882351	-1.05913	0.289542	0.981636	chr2	10571791	10572242	+	0	NA	non-codin	non-codin	117959	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-2153	10.83544	-0.76497	0.72245	-1.05885	0.289668	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	33689	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr15-762	4.692899	1.15694	1.092705	1.058785	0.289698	0.981636	chr15	76222558	76223396	+	0	NA	intron (N	AluJb|SIN	37175	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr1-1937	11.68266	0.735386	0.694646	1.058649	0.289759	0.981636	chr1	19376344	19377868	+	0	NA	intron (N	intron (N	64780	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr20-521	7.878838	-0.88867	0.839458	-1.05863	0.289769	0.981636	chr20	52186630	52186829	+	0	NA	intron (N	MER5A1|DN	5050	NM_199426	55734	Hs.473082	NM_018197	ENSG00000	ZFP64	ZNF338	ZFP64 zin	protein-coding
chr3-1192	7.878838	-0.88867	0.839458	-1.05863	0.289769	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-3450	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG00000	B4GALT4-A	-	B4GALT4 a	ncRNA
chr7-5520	7.878838	-0.88867	0.839458	-1.05863	0.289769	0.981636	chr7	55207121	55209714	+	0	NA	TTS (NM_0	TTS (NM_0	-19468	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-1349	7.878838	-0.88867	0.839458	-1.05863	0.289769	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-41248	NR_160299	340351	Hs.648616	NM_178563	ENSG00000	AGBL3	CCP3	ATP/GTP b	protein-coding
chr9-1138	7.878838	-0.88867	0.839458	-1.05863	0.289769	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MC5a|LI	14619	NM_001318	114991	Hs.349208	NM_133374	ENSG00000	ZNF618	FP13169|N	zinc fing	protein-coding
chr22-238	7.845556	-0.89418	0.844851	-1.05839	0.289877	0.981636	chr22	23895986	23898199	+	0	NA	intron (N	intron (N	1838	NR_038911	284889	Hs.632772	NR_038911		MIF-AS1	MIF-AS	MIF antis	ncRNA
chr10-113	4.170332	-1.22166	1.154651	-1.05803	0.29004	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	29987	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr16-884	4.170332	-1.22166	1.154651	-1.05803	0.29004	0.981636	chr16	88437686	88439167	+	0	NA	exon (NM_	exon (NM_	10955	NM_001367	84627	Hs.54925	NM_001127	ENSG00000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr5-7390	8.921011	0.856261	0.809453	1.057827	0.290134	0.981636	chr5	73909544	73910028	+	0	NA	exon (NM_	exon (NM_	96240	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr1-2312	7.707832	0.90321	0.853983	1.057644	0.290218	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	12903	NM_001300	128061	Hs.743464	NM_152379	ENSG00000	C1orf131	-	chromosom	protein-coding
chr10-732	7.707832	0.90321	0.853983	1.057644	0.290218	0.981636	chr10	73210112	73210809	+	0	NA	intron (N	intron (N	36795	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr16-149	7.707832	0.90321	0.853983	1.057644	0.290218	0.981636	chr16	14922880	14924361	+	0	NA	intron (N	intron (N	-2317	NR_106971	1.02E+08		NR_106971	ENSG00000	MIR6511A4	MIR6511A-	microRNA	ncRNA
chr19-531	7.707832	0.90321	0.853983	1.057644	0.290218	0.981636	chr19	53164506	53167015	+	0	NA	exon (NM_	exon (NM_	-6700	NM_001172	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr4-1462	11.19393	0.761504	0.720042	1.057583	0.290246	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	71978	NM_001354	345051	Hs.170876	NM_001354	ENSG00000	REELD1	-	reeler do	protein-coding
chr4-1288	4.92409	-1.15486	1.092022	-1.05754	0.290264	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	43664	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr5-1549	4.92409	-1.15486	1.092022	-1.05754	0.290264	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	8338	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr9-3658	4.92409	-1.15486	1.092022	-1.05754	0.290264	0.981636	chr9	36589184	36590702	+	0	NA	intron (N	AluY|SINE	17048	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr15-330	7.67455	0.900569	0.851697	1.057382	0.290337	0.981636	chr15	33087032	33088742	+	0	NA	intron (N	L1PB1|LIN	-19713	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr2-1000	7.67455	0.900569	0.851697	1.057382	0.290337	0.981636	chr2	1E+08	1E+08	+	0	NA	intron (N	AluSg|SIN	104011	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr3-3907	7.67455	0.900569	0.851697	1.057382	0.290337	0.981636	chr3	39074566	39075877	+	0	NA	intron (N	intron (N	22929	NM_001346	57599	Hs.109778	NM_020839	ENSG00000	WDR48	P80|SPG60	WD repeat	protein-coding
chr4-3220	7.67455	0.900569	0.851697	1.057382	0.290337	0.981636	chr4	3220370	3221023	+	0	NA	intron (N	intron (N	-23673	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr17-450	7.138673	0.969387	0.916986	1.057145	0.290445	0.981636	chr17	45028558	45028757	+	0	NA	intron (N	AluSp|SIN	22975	NM_001288	79877	Hs.463148	NM_024819	ENSG00000	DCAKD	-	dephospho	protein-coding
chr2-1890	7.87098	-0.88717	0.839306	-1.05703	0.290498	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	33788	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr22-265	7.87098	-0.88717	0.839306	-1.05703	0.290498	0.981636	chr22	26581816	26582015	+	0	NA	intron (N	MER58A|DN	8217	NM_003595	8459	Hs.632768	NM_003595	ENSG00000	TPST2	TANGO13B|	tyrosylpr	protein-coding
chr8-2315	7.87098	-0.88717	0.839306	-1.05703	0.290498	0.981636	chr8	23159497	23161260	+	0	NA	intron (N	L1MEc|LIN	3649	NM_003840	8793	Hs.213467	NM_003840	ENSG00000	TNFRSF10D	CD264|DCR	TNF recep	protein-coding
chrX-5340	7.87098	-0.88717	0.839306	-1.05703	0.290498	0.981636	chrX	53405767	53406032	+	0	NA	promoter-	promoter-	-134	NR_106916	1.02E+08		NR_106916	ENSG00000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr1-3984	7.886696	-0.89019	0.842183	-1.05701	0.290509	0.981636	chr1	39840154	39840475	+	0	NA	TTS (NM_0	TTS (NM_0	43190	NM_017646	54802	Hs.356554	NM_017646	ENSG00000	TRIT1	COXPD35|C	tRNA isop	protein-coding
chr3-4592	5.972641	1.036724	0.981183	1.056606	0.290691	0.981636	chr3	45921125	45921680	+	0	NA	3' UTR (N	3' UTR (N	-5678	NM_001276	54585	Hs.30824	NM_020347	ENSG00000	LZTFL1	BBS17	leucine z	protein-coding
chr7-1001	9.417599	0.816606	0.773015	1.056391	0.290789	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	-8557	NM_001278	4176	Hs.438720	NM_005916	ENSG00000	MCM7	CDC47|MCM	minichrom	protein-coding
chr16-849	10.81972	-0.7627	0.722052	-1.0563	0.290833	0.981636	chr16	84995515	84996009	+	0	NA	intron (N	intron (N	15773	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr9-1228	10.81972	-0.7627	0.722052	-1.0563	0.290833	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	MADE1|DNA	8648	NM_018835	54542	Hs.533499	NM_018835	ENSG00000	RC3H2	MNAB|RNF1	ring fing	protein-coding
chr19-618	7.658835	0.90506	0.857443	1.055534	0.291181	0.981636	chr19	618269	618611	+	0	NA	intron (N	CpG-12898	15097	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr9-4099	15.58122	0.646891	0.612956	1.055363	0.29126	0.981636	chr9	40998395	40999202	+	0	NA	intron (N	L1MEc|LIN	6537	NR_034006	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr2-4834	8.122141	-0.93097	0.88238	-1.05507	0.291395	0.981636	chr2	48347415	48347863	+	0	NA	intron (N	L1MEg|LIN	32957	NM_002158	3344	Hs.468478	NM_002158	ENSG00000	FOXN2	HTLF	forkhead	protein-coding
chr19-442	11.69052	0.733932	0.696305	1.054038	0.291865	0.981636	chr19	44287499	44290868	+	0	NA	exon (NM_	exon (NM_	15842	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr20-144	11.69052	0.733932	0.696305	1.054038	0.291865	0.981636	chr20	1443592	1455895	+	0	NA	intron (N	intron (N	17949	NM_018839	55968	Hs.12865	NM_016143	ENSG00000	NSFL1C	P47|UBX1|	NSFL1 cof	protein-coding
chr8-1447	11.69052	0.733932	0.696305	1.054038	0.291865	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	exon (NM_	exon (NM_	13420	NM_030580	80778	Hs.631854	NM_030580	ENSG00000	ZNF34	KOX32	zinc fing	protein-coding
chr5-1710	4.890808	-1.16458	1.104876	-1.05404	0.291867	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSx1|SI	203994	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr1-1613	9.450881	0.818849	0.776932	1.053952	0.291905	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	non-codin	non-codin	5166	NM_001013	257177	Hs.534593	NM_001013	ENSG00000	CFAP126	C1orf192|	cilia and	protein-coding
chr14-731	9.450881	0.818849	0.776932	1.053952	0.291905	0.981636	chr14	73192558	73193202	+	0	NA	intron (N	intron (N	-44626	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr19-422	9.450881	0.818849	0.776932	1.053952	0.291905	0.981636	chr19	42208622	42210297	+	0	NA	intron (N	L2c|LINE|	8218	NR_073051	162989	Hs.515432	NM_133328	ENSG00000	DEDD2	FLAME-3|F	death eff	protein-coding
chr22-177	9.450881	0.818849	0.776932	1.053952	0.291905	0.981636	chr22	17729526	17729905	+	0	NA	non-codin	non-codin	23057	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr12-781	7.837698	-0.8927	0.847297	-1.05359	0.29207	0.981636	chr12	78198993	78199867	+	0	NA	exon (NM_	exon (NM_	160316	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr21-332	10.853	-0.75884	0.720316	-1.05348	0.29212	0.981636	chr21	33269258	33269488	+	0	NA	intron (N	intron (N	3006	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr7-1022	7.6764	0.912352	0.86608	1.053427	0.292145	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-78710	NM_020979	10603	Hs.489448	NM_020979	ENSG00000	SH2B2	APS	SH2B adap	protein-coding
chr19-439	8.979717	0.862902	0.819358	1.053144	0.292275	0.981636	chr19	43960655	43961044	+	0	NA	intron (N	MSTB-int|	9604	NM_013359	7638	Hs.631598	NM_013359	ENSG00000	ZNF221	-	zinc fing	protein-coding
chr1-9315	4.162474	-1.21903	1.157793	-1.05289	0.292389	0.981636	chr1	93151913	93152689	+	0	NA	non-codin	non-codin	28112	NM_001167	50999	Hs.482873	NM_016040	ENSG00000	TMED5	CGI-100|p	transmemb	protein-coding
chr13-758	4.162474	-1.21903	1.157793	-1.05289	0.292389	0.981636	chr13	75827920	75828699	+	0	NA	intron (N	MIRb|SINE	-42729	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 down	protein-coding

chr4-5066	4.162474	-1.21903	1.157793	-1.05289	0.292389	0.981636	chr4	5066587	5067206	+	0	NA	intron (N	L2b|LINE|	15416	NM_001306	55351	Hs.133062	NM_018401	ENSG00000	STK32B	HSA250839	serine/th	protein-coding
chr4-8901	4.162474	-1.21903	1.157793	-1.05289	0.292389	0.981636	chr4	89015360	89016825	+	0	NA	intron (N	Tigger3b|	41093	NM_014883	10144	Hs.97270	NM_014883	ENSG00000	FAM13A	ARHGAP48|	family wi	protein-coding
chr7-9785	4.162474	-1.21903	1.157793	-1.05289	0.292389	0.981636	chr7	97851834	97852803	+	0	NA	exon (NM_	exon (NM_	19847	NM_133436	440	Hs.489207	NM_001673	ENSG00000	ASNS	ASNSD|TS1	asparagin	protein-coding
chr12-726	6.204017	-1.01927	0.968194	-1.05275	0.292454	0.981636	chr12	72636537	72636841	+	0	NA	intron (N	L1PA3|LIN	-363180	NR_026836	283392	Hs.363603	NM_001025	ENSG00000	TRHDE-AS1	-	TRHDE ant	ncRNA
chr20-370	6.204017	-1.01927	0.968194	-1.05275	0.292454	0.981636	chr20	37031703	37032189	+	0	NA	intron (N	AluJb|SIN	64051	NM_001323	5933	Hs.207745	NM_002895	ENSG00000	RBL1	CP107|PRE	RB transc	protein-coding
chr1-2310	7.211244	0.959344	0.911532	1.052452	0.292592	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	Intergeni	Intergeni	4442	NR_031593	1E+08		NR_031593	ENSG00000	MIR1182	MIRN1182|	microRNA	ncRNA
chr11-408	7.211244	0.959344	0.911532	1.052452	0.292592	0.981636	chr11	4082614	4083785	+	0	NA	intron (N	intron (N	-11486	NM_001318	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|R	ribonucle	protein-coding
chr14-232	7.211244	0.959344	0.911532	1.052452	0.292592	0.981636	chr14	23276381	23277189	+	0	NA	exon (NM_	exon (NM_	9347	NM_020834	57594	Hs.632332	NM_020834	ENSG00000	HOMEZ	KIAA1443	homeobox	protein-coding
chr15-286	6.486795	0.970773	0.922496	1.052333	0.292647	0.981636	chr15	28654288	28655693	+	0	NA	intron (N	AluSx3|SI	548	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr15-327	6.486795	0.970773	0.922496	1.052333	0.292647	0.981636	chr15	32725516	32726040	+	0	NA	intron (N	L1PA7|LIN	-6913	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr2-4702	6.486795	0.970773	0.922496	1.052333	0.292647	0.981636	chr2	47021901	47022775	+	0	NA	intron (N	intron (N	-80483	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr18-541	7.427089	-0.93277	0.886476	-1.05223	0.292696	0.981636	chr18	54162898	54163184	+	0	NA	intron (N	AluSx4|SI	59371	NR_002970	677819	Hs.655869	NR_002970	ENSG00000	SNORA37	ACA37	small nuc	snoRNA
chr10-952	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr10	95233154	95235818	+	0	NA	Intergeni	AluJr|SIN	40286	NM_207321	142827	Hs.134229	NM_207321	ENSG00000	ACSM6	C10orf129	acyl-CoA	protein-coding
chr12-118	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-5572	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr13-113	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	12134	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr17-281	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr17	28174668	28175279	+	0	NA	intron (N	intron (N	-51590	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr2-7489	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr2	74890293	74891517	+	0	NA	exon (NM_	exon (NM_	-18226	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr2-2166	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr2	2.17E+08	2.17E+08	+	0	NA	intron (N	intron (N	2937	NM_000599	3488	Hs.607212	NM_000599	ENSG00000	IGFBP5	IBP5	insulin l	protein-coding
chr4-2493	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr4	2493975	2494777	+	0	NA	intron (N	AluY|SINE	24923	NM_001185	6047	Hs.66394	NM_002938	ENSG00000	RNF4	RES4-26|S	ring fing	protein-coding
chr8-3048	7.863122	-0.88567	0.841731	-1.0522	0.292707	0.981636	chr8	30486487	30487244	+	0	NA	intron (N	intron (N	-101464	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr15-434	9.965035	0.788793	0.749676	1.052179	0.292718	0.981636	chr15	43430597	43432738	+	0	NA	intron (N	intron (N	60566	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr19-439	7.820133	-0.90151	0.856916	-1.05204	0.292782	0.981636	chr19	43989575	43990431	+	0	NA	intron (N	intron (N	5815	NM_198089	7711	Hs.279567	NM_003445	ENSG00000	ZNF155	pHZ-96	zinc fing	protein-coding
chr4-4102	5.89822	1.033317	0.982322	1.051912	0.29284	0.981636	chr4	41024379	41024917	+	0	NA	intron (N	LTR76|LTR	-167456	NM_001166	323	Hs.479602	NM_004307	ENSG00000	APBB2	FE65L|FE6	amyloid b	protein-coding
chr1-1489	13.93801	0.675843	0.642595	1.051741	0.292918	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	27011	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr19-349	6.520077	0.973872	0.926352	1.051298	0.293122	0.981636	chr19	34938794	34939555	+	0	NA	intron (N	(CTCCC)n|	12271	NR_024018	90075	Hs.657402	NM_194325	ENSG00000	ZNF30	KOX28	zinc fing	protein-coding
chr5-4824	16.15408	0.63851	0.607592	1.050886	0.293311	0.981636	chr5	48241487	48242221	+	0	NA	Intergeni	ALR/Alpha	2199434	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-248	7.904262	-0.88173	0.839776	-1.04996	0.293736	0.981636	chr12	24841330	24842158	+	0	NA	intron (N	AluSx1|SI	60478	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr5-9554	7.904262	-0.88173	0.839776	-1.04996	0.293736	0.981636	chr5	95545546	95546009	+	0	NA	intron (N	L2a|LINE|	9228	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1296	7.904262	-0.88173	0.839776	-1.04996	0.293736	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	MLT1A|LTR	-76122	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr13-197	9.37646	0.816102	0.777491	1.04966	0.293875	0.981636	chr13	19732569	19732839	+	0	NA	intron (N	AluSx|SIN	50241	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr1-2555	6.494653	0.968094	0.922519	1.049402	0.293993	0.981636	chr1	25558665	25560084	+	0	NA	intron (N	intron (N	15789	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr1-2113	6.494653	0.968094	0.922519	1.049402	0.293993	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	HAL1|LINE	12114	NR_026761	84791	Hs.523932	NM_032705		LINC00467	C1orf97	long inte	ncRNA
chr16-886	6.494653	0.968094	0.922519	1.049402	0.293993	0.981636	chr16	88655100	88656205	+	0	NA	intron (N	CpG-10162	-4599	NM_000101	1535	Hs.513803	NM_000101	ENSG00000	CYBA	p22-PHOX	cytochrom	protein-coding
chrX-1432	6.494653	0.968094	0.922519	1.049402	0.293993	0.981636	chrX	1432050	1432681	+	0	NA	exon (NM_	exon (NM_	20544	NM_001173	8623	Hs.533514	NM_004192	ENSG00000	ASMTL	ASMTLX|AS	acetylser	protein-coding
chr18-232	7.103541	0.953515	0.909128	1.048824	0.294259	0.981636	chr18	23297621	23297967	+	0	NA	non-codin	non-codin	140167	NM_032933	85019	Hs.137562	NM_032933	ENSG00000	TMEM241	C18orf45|	transmemb	protein-coding
chr15-429	6.614626	-0.96417	0.919534	-1.04854	0.294391	0.981636	chr15	42963914	42964915	+	0	NA	intron (N	AluSp|SIN	-43636	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr17-475	7.896404	-0.88023	0.839624	-1.04836	0.294471	0.981636	chr17	47588479	47589335	+	0	NA	intron (N	intron (N	57799	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr3-1570	7.896404	-0.88023	0.839624	-1.04836	0.294471	0.981636	chr3	15700591	15701071	+	0	NA	intron (N	intron (N	-3460	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr8-9987	7.912119	-0.88322	0.842503	-1.04832	0.29449	0.981636	chr8	99875069	99875455	+	0	NA	intron (N	intron (N	18445	NM_004374	1345	Hs.351875	NM_004374	ENSG00000	COX6C	-	cytochrom	protein-coding
chr16-156	6.64005	-0.95575	0.911713	-1.0483	0.294499	0.981636	chr16	15664652	15664947	+	0	NA	exon (NM_	exon (NM_	14554	NM_017668	54820	Hs.655378	NM_017668	ENSG00000	NDE1	HOM-TES-8	nudE neur	protein-coding
chr17-452	6.64005	-0.95575	0.911713	-1.0483	0.294499	0.981636	chr17	45278916	45280043	+	0	NA	intron (N	AluSc8|SI	-17385	NM_152343	124783	Hs.412719	NM_152343	ENSG00000	SPATA32	AEP2|C17o	spermatog	protein-coding
chr18-198	6.64005	-0.95575	0.911713	-1.0483	0.294499	0.981636	chr18	198043	200242	+	0	NA	intron (N	intron (N	40585	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr22-416	6.64005	-0.95575	0.911713	-1.0483	0.294499	0.981636	chr22	41676238	41676841	+	0	NA	intron (N	intron (N	12328	NM_001003	4809	Hs.182255	NM_005008	ENSG00000	SNU13	15.5K|FA-	small nuc	protein-coding
chrX-4646	6.64005	-0.95575	0.911713	-1.0483	0.294499	0.981636	chrX	46467114	46469753	+	0	NA	intron (N	AluSz6|SI	21136	NM_001129	55634	Hs.632800	NM_017776	ENSG00000	KRBOX4	ZNF673	KRAB box	protein-coding
chr2-4600	6.15502	-1.02281	0.975697	-1.04829	0.294507	0.981636	chr2	46007605	46007804	+	0	NA	intron (N	intron (N	-289703	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr6-5719	6.15502	-1.02281	0.975697	-1.04829	0.294507	0.981636	chr6	57193232	57193464	+	0	NA	intron (N	L4_B_Mam|	21022	NM_004282	9532	Hs.745046	NM_004282	ENSG00000	BAG2	BAG-2|dJ4	BCL2 asso	protein-coding
chr2-1906	4.965229	-1.14718	1.094373	-1.04826	0.29452	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	11763	NM_001321	4664	Hs.107474	NM_005966	ENSG00000	NAB1	-	NGFI-A bi	protein-coding
chr13-113	6.647908	-0.95751	0.913441	-1.04825	0.294524	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEf|LIN	-18523	NM_001278	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr6-1444	6.647908	-0.95751	0.913441	-1.04825	0.294524	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	16497	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr19-269	21.92511	0.574727	0.548394	1.048019	0.29463	0.981636	chr19	26903950	26904752	+	0	NA	Intergeni	ALR/Alpha	-889080	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-3310	8.255268	0.863368	0.823814	1.048014	0.294632	0.981636	chr1	33109364	33110489	+	0	NA	intron (N	intron (N	27748	NM_001301	113451	Hs.101807	NM_052998	ENSG00000	AZIN2	ADC|AZI2|	antizyme	protein-coding
chr13-210	10.33469	-0.7913	0.755176	-1.04784	0.294711	0.981636	chr13	21045427	21046253	+	0	NA	exon (NM_	exon (NM_	15746	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr13-238	10.60535	0.783727	0.74798	1.047792	0.294735	0.981636	chr13	23878819	23879364	+	0	NA	intron (N	L2a|LINE|	-9777	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr11-434	4.195756	-1.20793	1.153307	-1.04736	0.294933	0.981636	chr11	43416507	43417183	+	0	NA	intron (N	intron (N	57925	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr19-326	4.195756	-1.20793	1.153307	-1.04736	0.294933	0.981636	chr19	32697250	32698288	+	0	NA	intron (N	HERV9N-in	5808	NM_001105	390916	Hs.203961	NM_001105	ENSG00000	NUDT19	RP2	nudix hyd	protein-coding
chr3-1505	4.195756	-1.20793	1.153307	-1.04736	0.294933	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	11286	NM_032025	83939	Hs.655782	NM_032025	ENSG00000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr5-4072	4.195756	-1.20793	1.153307	-1.04736	0.294933	0.981636	chr5	40721376	40722170	+	0	NA	intron (N	L1MB1|LIN	34188	NM_012382	23548	Hs.348915	NM_012382	ENSG00000	TTC33	OSRF	tetratric	protein-coding
chr11-280	7.812275	-0.90004	0.859403	-1.04728	0.294969	0.981636	chr11	28022436	28023524	+	0	NA	intron (N	L2c|LINE|	-33835	NR_030341	693195		NR_030341	ENSG00000	MIR610	MIRN610|h	microRNA	ncRNA
chr15-656	7.682408	0.898215	0.857766	1.047156	0.295027	0.981636	chr15	65657783	65658215	+	0	NA	intron (N	intron (N	15120	NM_001254	9187	Hs.173092	NM_004727	ENSG00000	SLC24A1	CSNB1D|Hs	solute ca	protein-coding
chr16-161	7.682408	0.898215	0.857766	1.047156	0.295027	0.981636	chr16	16175386	16177754	+	0	NA	intron (N	intron (N	46901	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr19-326	7.682408	0.898215	0.857766	1.047156	0.295027	0.981636	chr19	32607411	32608216	+	0	NA	TTS (NR_1	TTS (NR_1	656	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr2-9589	7.682408	0.898215	0.857766	1.047156	0.295027	0.981636	chr2	95893183	95893477	+	0	NA	intron (N	intron (N	-66349	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr1-8543	4.203614	-1.21054	1.156206	-1.04699	0.295103	0.981636	chr1	85431258	85432314	+	0	NA	intron (N	intron (N	-27280	NM_001330	23576	Hs.713411	NM_012137	ENSG00000	DDAH1	DDAH|DDAH	dimethyla	protein-coding
chr19-160	9.166623	-0.83829	0.801024	-1.04652	0.295321	0.981636	chr19	16074049	16074411	+	0	NA	intron (N	intron (N	-2265	NM_003290	7171	Hs.631618	NM_003290	ENSG00000	TPM4	HEL-S-108	tropomyos	protein-coding
chr4-4884	9.111618	-0.82898	0.792144	-1.0465	0.295328	0.981636	chr4	48848417	48849256	+	0	NA	intron (N	intron (N	11367	NR_146806	1.01E+08	Hs.661065	NR_146806	ENSG00000	OCIAD1-AS	-	OCIAD1 an	ncRNA
chr1-4046	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr1	40464871	40468529	+	0	NA	Intergeni	Intergeni	-10590	NM_001320	339559	Hs.434385	NM_198494	ENSG00000	ZFP69	ZFP69A|ZK	ZFP69 zin	protein-coding
chr1-1790	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L2b|LINE|	2831	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr17-237	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr17	2372909	2373656	+	0	NA	intron (N	intron (N	27778	NM_020310	4335	Hs.626579	NM_020310	ENSG00000	MNT	MAD6|MXD6	MAX netwo	protein-coding
chr17-467	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr17	46754714	46755900	+	0	NA	intron (N	intron (N	63385	NM_030753	7473	Hs.445884	NM_030753	ENSG00000	WNT3	INT4|TETA	Wnt famil	protein-coding
chr19-434	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr19	43492147	43493846	+	0	NA	intron (N	intron (N	11837	NM_198850	653583	Hs.631581	NM_198850	ENSG00000	PHLDB3	-	pleckstri	protein-coding
chr6-1521	6.461371	0.965032	0.92221	1.046434	0.295361	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	L1M1|LINE	-11227	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr10-740	5.40912	-1.05742	1.010556	-1.04637	0.295389	0.981636	chr10	74018698	74019357	+	0	NA	intron (N	L1ME4b|LI	20911	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr2-1118	5.40912	-1.05742	1.010556	-1.04637	0.295389	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	36568	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr7-1487	5.40912	-1.05742	1.010556	-1.04637	0.295389	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1MB7|LIN	43815	NM_001370	8454	Hs.146806	NM_003592	ENSG00000	CUL1	-	cullin 1	protein-coding
chr11-102	9.152757	-0.82562	0.789047	-1.04636	0.295397	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	82847	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr1-1613	7.741114	0.905787	0.865672	1.04634	0.295404	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	non-codin	non-codin	11073	NM_001013	257177	Hs.534593	NM_001013	ENSG00000	CFAP126	C1orf192|	cilia and	protein-coding
chr1-1449	8.229844	0.858691	0.820759	1.046216	0.295461	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	LTR12C|LT	101676	NM_001330	647135	Hs.497575	NM_001271	ENSG00000	SRGAP2B	SRGAP2L|S	SLIT-ROBO	protein-coding
chr6-1007	8.229844	0.858691	0.820759	1.046216	0.295461	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	THE1B|LTR	126317	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr21-413	4.137051	-1.23336	1.178895	-1.0462	0.295468	0.981636	chr21	41385128	41385759	+	0	NA	intron (N	THE1B|LTR	23416	NM_002463	4600	Hs.926	NM_002463	ENSG00000	MX2	MXB	MX dynami	protein-coding
chr4-1358	7.641269	0.89781	0.858291	1.046044	0.295541	0.981636	chr4	13585664	13585970	+	0	NA	intron (N	THE1B|LTR	-37993	NR_015450	285548	Hs.529284	NR_015450		LINC01096	-	long inte	ncRNA
chr11-107	8.221986	0.860795	0.823215	1.045651	0.295722	0.981636	chr11	1.07E+08	1.07E+08	+	0	NA	intron (N	L1M1|LINE	3771	NM_152434	143884	Hs.212140	NM_152434	ENSG00000	CWF19L2	-	CWF19 lik	protein-coding
chr22-466	4.76732	1.160539	1.109901	1.045624	0.295735	0.981636	chr22	46669943	46670882	+	0	NA	intron (N	intron (N	50026	NM_015124	23151	Hs.475150	NM_015124	ENSG00000	GRAMD4	DIP	GRAM doma	protein-coding
chr19-365	9.947469	0.783174	0.749271	1.045249	0.295908	0.981636	chr19	36535076	36557708	+	0	NA	3’ UTR (N	3’ UTR (N	-18121	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr16-347	9.425457	0.814679	0.779573	1.045033	0.296008	0.981636	chr16	3479370	3479815	+	0	NA	exon (NM_	exon (NM_	5877	NR_106741	1.02E+08		NR_106741	ENSG00000	MIR6126	hsa-mir-6	microRNA	ncRNA
chr8-1251	9.425457	0.814679	0.779573	1.045033	0.296008	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx3|SI	11281	NM_173685	286053	Hs.388297	NM_173685	ENSG00000	NSMCE2	C8orf36|M	NSE2 (MMS	protein-coding
chr1-1602	11.69838	0.732453	0.700935	1.044966	0.296039	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	4848	NM_002857	5824	Hs.517232	NM_002857	ENSG00000	PEX19	D1S2223E|	peroxisom	protein-coding
chr4-1501	6.606768	-0.96243	0.921068	-1.0449	0.296068	0.981636	chr4	15018686	15019314	+	0	NA	intron (N	intron (N	16519	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr6-5268	6.606768	-0.96243	0.921068	-1.0449	0.296068	0.981636	chr6	52684112	52684311	+	0	NA	intron (N	intron (N	13098	NM_014051	28978	Hs.94896	NM_014051	ENSG00000	TMEM14A	C6orf73|P	transmemb	protein-coding
chr6-1435	6.606768	-0.96243	0.921068	-1.0449	0.296068	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	9071	NM_032020	2519	Hs.17680	NM_032020	ENSG00000	FUCA2	dJ20N2.5	alpha-L-f	protein-coding
chr1-1091	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	Intergeni	Intergeni	2213	NR_003023	677766	Hs.550815	NR_003023	ENSG00000	SCARNA2	HBII-382|	small Caj	ncRNA
chr10-794	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr10	79440434	79440633	+	0	NA	intron (N	intron (N	5091	NM_153367	219654	Hs.523080	NM_153367	ENSG00000	ZCCHC24	C10orf56|	zinc fing	protein-coding
chr11-125	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr11	12509831	12510886	+	0	NA	intron (N	MIR|SINE|	132787	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr12-781	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr12	78190176	78191285	+	0	NA	intron (N	intron (N	169016	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr15-490	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr15	49002030	49002550	+	0	NA	intron (N	L1PA7|LIN	-38371	NM_203349	399694	Hs.642615	NM_203349	ENSG00000	SHC4	RaLP|SHCD	SHC adapt	protein-coding
chr16-884	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr16	8847543	8848758	+	0	NA	3’ UTR (N	3’ UTR (N	-1319	NR_147908	1E+08	Hs.735515	NR_147908		LOC100130	-	uncharact	ncRNA
chr21-323	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr21	32377333	32377532	+	0	NA	promoter-	promoter-	-110	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr3-1236	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-13239	NM_053032	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-7675	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr4	76759912	76762352	+	0	NA	intron (N	L1PA16|LI	137012	NM_001029	345079	Hs.257292	NM_001029	ENSG00000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr5-1353	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	63878	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr6-5228	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr6	52280365	52282753	+	0	NA	5’ UTR (N	5’ UTR (N	3183	NM_001270	4172	Hs.179565	NM_002388	ENSG00000	MCM3	HCC5|P1-M	minichrom	protein-coding
chr7-1347	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	11860	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr7-1514	6.632192	-0.95401	0.913227	-1.04465	0.296183	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx|SIN	36276	NM_005614	6009	Hs.283521	NM_005614	ENSG00000	RHEB	RHEB2	Ras homol	protein-coding
chr17-820	4.675333	1.145356	1.096546	1.044513	0.296248	0.981636	chr17	82047237	82047713	+	0	NA	TTS (NM_0	TTS (NM_0	4336	NM_002917	5986	Hs.569700	NM_002917	ENSG00000	RFNG	-	RFNG O-fu	protein-coding
chr7-1286	6.655766	-0.95931	0.918469	-1.04447	0.296269	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	non-codin	non-codin	15306	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr19-124	9.392176	0.812412	0.777833	1.044456	0.296275	0.981636	chr19	12432798	12433007	+	0	NA	intron (N	Tigger2a|	8119	NM_005815	10224	Hs.636894	NM_005815	ENSG00000	ZNF443	ZK1	zinc fing	protein-coding
chr7-1398	7.352668	-0.94325	0.903139	-1.04442	0.296293	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	THE1B|LTR	24687	NM_001166	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr1-1089	5.383696	-1.068	1.022629	-1.04437	0.296314	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-5868	NM_015127	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr5-3125	5.383696	-1.068	1.022629	-1.04437	0.296314	0.981636	chr5	31258401	31258882	+	0	NA	intron (N	L1PA7|LIN	64955	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr10-459	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr10	45997613	45998504	+	0	NA	intron (N	intron (N	13450	NR_145721	1.1E+08		NR_145721	ENSG00000	SNORA74C-	-	small nuc	snoRNA
chr12-952	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr12	95274407	95274945	+	0	NA	intron (N	intron (N	-33744	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|h	microRNA	ncRNA
chr13-758	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr13	75833880	75834890	+	0	NA	exon (NM_	exon (NM_	-36653	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 down	protein-coding
chr13-770	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr13	77075246	77075912	+	0	NA	promoter-	promoter-	65	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr14-884	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr14	88471411	88472334	+	0	NA	intron (N	AluJb|SIN	83135	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr15-409	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr15	40938340	40939264	+	0	NA	3’ UTR (N	3’ UTR (N	9462	NM_019074	54567	Hs.511076	NM_019074	ENSG00000	DLL4	AOS6|delt	delta lik	protein-coding
chr2-6831	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr2	68314681	68316739	+	0	NA	intron (N	AluJo|SIN	4341	NM_015463	25927	Hs.212885	NM_015463	ENSG00000	CNRIP1	C2orf32|C	cannabino	protein-coding
chr20-368	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr20	36824957	36825556	+	0	NA	intron (N	L1MB8|LIN	34617	NM_199181	140710	Hs.460807	NM_080627	ENSG00000	SOGA1	C20orf117	suppresso	protein-coding
chr3-4498	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr3	44989531	44990604	+	0	NA	intron (N	intron (N	13818	NR_023353	23016	Hs.719958	NM_015004	ENSG00000	EXOSC7	EAP1|RRP4	exosome c	protein-coding
chr4-1684	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	75647	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-6476	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr5	64763309	64764334	+	0	NA	intron (N	MER30|DNA	4870	NM_173829	285672	Hs.69504	NM_173829	ENSG00000	SREK1IP1	P18SRP|SF	SREK1 int	protein-coding
chr5-1316	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	L2a|LINE|	-31954	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr6-3059	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr6	30594018	30594724	+	0	NA	Intergeni	Intergeni	10039	NR_030615	1E+08		NR_030615	ENSG00000	MIR877	MIRN877|h	microRNA	ncRNA
chr6-8755	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr6	87553250	87554042	+	0	NA	intron (N	MER58A|DN	36341	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr7-4506	5.401262	-1.05531	1.010527	-1.04432	0.296338	0.981636	chr7	45066724	45067094	+	0	NA	intron (N	AluY|SINE	22060	NM_001146	23148	Hs.96633	NM_001146	ENSG00000	NACAD	-	NAC alpha	protein-coding

chr12-112	7.855264	-0.88416	0.846807	-1.04411	0.296436	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	TTS (NM_	TTS (NM_	10911	NM_006817	10961	Hs.75841	NM_006817	ENSG0000	ERP29	C12orf8|E	endoplasm	protein-coding
chr13-110	7.855264	-0.88416	0.846807	-1.04411	0.296436	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (	L2c|LINE|	3334	NM_001845	1282	Hs.17441	NM_001845	ENSG0000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr4-1195	7.855264	-0.88416	0.846807	-1.04411	0.296436	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (	Tigger12c	82862	NM_033430	8654	Hs.647971	NM_001083	ENSG0000	PDE5A	CGB-PDE|	phosphodi	protein-coding
chr8-1033	7.855264	-0.88416	0.846807	-1.04411	0.296436	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (	L2b|LINE|	4653	NM_001164	8323	Hs.591863	NM_003506	ENSG0000	FZD6	FZ-6|FZ6|	frizzled	protein-coding
chr2-6533	5.416978	-1.05956	1.014887	-1.04402	0.296476	0.981636	chr2	65330967	65331856	+	0	NA	intron (	intron (	35367	NM_001128	200734	Hs.59332	NM_181784	ENSG0000	SPRED2	Spred-2	sprouty r	protein-coding
chr4-4758	5.416978	-1.05956	1.014887	-1.04402	0.296476	0.981636	chr4	47580228	47581114	+	0	NA	intron (	L3|LINE|	-71998	NR_10702	1.02E+08		NR_10702	ENSG0000	MIR8053	hsa-mir-8	microRNA	ncRNA
chr4-7676	5.416978	-1.05956	1.014887	-1.04402	0.296476	0.981636	chr4	76766053	76766695	+	0	NA	intron (	MIRc|SINE	131770	NM_001029	345079	Hs.257292	NM_001029	ENSG0000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr11-655	5.947218	1.030332	0.98708	1.043818	0.29657	0.981636	chr11	65584811	65585273	+	0	NA	exon (NM_	exon (NM_	8989	NM_001099	254102	Hs.502867	NM_001099	ENSG0000	EHBP1L1	-	EH domain	protein-coding
chr9-1217	5.947218	1.030332	0.98708	1.043818	0.29657	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	21579	NM_138709	153090	Hs.522378	NM_032552	ENSG0000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr9-1315	5.947218	1.030332	0.98708	1.043818	0.29657	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (	(ATTATAT)	36919	NM_001365	642515		NM_001365	ENSG0000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr17-800	8.895588	0.851713	0.815994	1.043774	0.29659	0.981636	chr17	80009927	80010388	+	0	NA	intron (	intron (	25715	NM_019020	125058	Hs.369819	NM_019020	ENSG0000	TBC1D16	-	TBC1 doma	protein-coding
chr10-119	7.888546	-0.8787	0.84205	-1.04352	0.296706	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	TTS (NM_	TTS (NM_	24363	NR_136663	7073	Hs.501203	NM_003252	ENSG0000	TIAL1	TCBP|TIAR	TIA1 cyto	protein-coding
chr2-2004	7.888546	-0.8787	0.84205	-1.04352	0.296706	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	L2c|LINE|	59213	NM_001321	130535	Hs.605775	NM_152387	ENSG0000	KCTD18	6530404F1	potassium	protein-coding
chr22-317	7.888546	-0.8787	0.84205	-1.04352	0.296706	0.981636	chr22	31740183	31740405	+	0	NA	intron (	AluSg|SIN	9838	NM_173566	253143	Hs.438906	NM_173566	ENSG0000	PRR14L	C22orf30	proline r	protein-coding
chr3-1277	7.888546	-0.8787	0.84205	-1.04352	0.296706	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	49407	NM_172027	80325	Hs.107812	NM_032548	ENSG0000	ABTB1	BPOZ|BTB3	ankyrin r	protein-coding
chr3-1944	7.888546	-0.8787	0.84205	-1.04352	0.296706	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (	L1ME3Cz|L	25561	NM_024524	79572	Hs.529609	NM_024524	ENSG0000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr2-3903	10.00617	0.789328	0.756407	1.043523	0.296706	0.981636	chr2	39032667	39032931	+	0	NA	intron (	AluSx|SIN	-72455	NR_028386	375196	Hs.659035	NR_028386	ENSG0000	LOC375196	-	uncharact	ncRNA
chr1-2128	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (	AluSx|SIN	13625	NM_001042	128387	Hs.530538	NM_001042	ENSG0000	TATDN3	-	TatD DNas	protein-coding
chr10-681	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr10	68199577	68200262	+	0	NA	intron (	L2b|LINE|	32194	NM_145178	220202	Hs.175396	NM_145178	ENSG0000	ATOH7	Math5|NCR	atonal bH	protein-coding
chr11-863	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr11	86321282	86321574	+	0	NA	intron (	L1ME1|LIN	19188	NM_001322	51501	Hs.283322	NM_016401	ENSG0000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr12-123	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	Intergeni	Intergeni	-26915	NM_001300	57605	Hs.272759	NM_020845	ENSG0000	PITPNM2	NIR-3|NIR	phosphati	protein-coding
chr15-675	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr15	67586812	67588402	+	0	NA	intron (	L3|LINE|	38513	NM_001206	5607	Hs.114198	NM_002757	ENSG0000	MAP2K5	HsT17454|	mitogen-a	protein-coding
chr16-145	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr16	14581379	14582881	+	0	NA	intron (	intron (	48130	NM_002582	5073	Hs.253197	NM_002582	ENSG0000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr9-1048	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	68158	NR_130760	55335	Hs.429294	NM_018376	ENSG0000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr9-1162	6.469229	0.962353	0.922232	1.043504	0.296715	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (	intron (	118422	NM_002581	5069	Hs.643599	NM_002581	ENSG0000	PAPPA	ASBABP2|D	pappalysi	protein-coding
chr3-4507	7.919977	-0.8847	0.847873	-1.04343	0.29675	0.981636	chr3	45070652	45071133	+	0	NA	Intergeni	L2a|LINE|	40749	NM_001308	7123	Hs.476092	NM_003278	ENSG0000	CLEC3B	TN|TNA	C-type le	protein-coding
chr2-2239	7.649127	0.895525	0.858396	1.043253	0.296831	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (	intron (	29902	NM_022915	65080	Hs.203559	NM_022915	ENSG0000	MRPL44	COXPD16|L	mitochond	protein-coding
chr3-1134	6.681374	1.021231	0.979502	1.042602	0.297133	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (	SVA_C|Ret	-17204	NR_018338	55779	Hs.584936	NM_018338	ENSG0000	CFAP44	SPGF20|WD	cilia and	protein-coding
chr1-4293	5.375838	-1.06587	1.022603	-1.04231	0.297268	0.981636	chr1	42937051	42937967	+	0	NA	intron (	intron (	21359	NM_006516	6513	Hs.473721	NM_006516	ENSG0000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr10-120	5.375838	-1.06587	1.022603	-1.04231	0.297268	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (	MIRb|SINE	17437	NM_018117	55717	Hs.144447	NM_018117	ENSG0000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr12-122	5.375838	-1.06587	1.022603	-1.04231	0.297268	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	TTS (NM_	TTS (NM_	2771	NM_001278	51329	Hs.103561	NM_016638	ENSG0000	ARL6IP4	SFRS20|SR	ADP ribos	protein-coding
chr2-2320	5.375838	-1.06587	1.022603	-1.04231	0.297268	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (	MamRep137	64141	NR_046477	129563	Hs.732236	NM_152383	ENSG0000	DIS3L2	FAM6A|PRL	DIS3 like	protein-coding
chr22-178	5.375838	-1.06587	1.022603	-1.04231	0.297268	0.981636	chr22	17821170	17821628	+	0	NA	intron (	intron (	44109	NR_103718	200298	Hs.517397	NR_103718	ENSG0000	LINC00528	C22orf37	long inte	ncRNA
chr10-136	9.484163	0.821056	0.787741	1.042293	0.297276	0.981636	chr10	13631036	13631557	+	0	NA	TTS (NM_	TTS (NM_	44331	NM_003675	8559	Hs.660649	NM_003675	ENSG0000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr13-390	9.484163	0.821056	0.787741	1.042293	0.297276	0.981636	chr13	39014124	39014433	+	0	NA	exon (NM_	exon (NM_	-23419	NM_001144	161003	Hs.327794	NM_145286	ENSG0000	STOML3	Epb7.21|S	stomatin	protein-coding
chr11-173	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr11	17309211	17309967	+	0	NA	exon (NM_	exon (NM_	32619	NM_001352	4925	Hs.654599	NM_005013	ENSG0000	NUCB2	HEL-S-109	nucleobin	protein-coding
chr12-310	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr12	31097041	31097808	+	0	NA	intron (	AluSc8|SI	23564	NM_001257	1663	Hs.443960	NM_004399	ENSG0000	DDX11	CHL1|CHLR	DEAD/H-bo	protein-coding
chr2-1898	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (	MER8|DNA|	90882	NM_001321	5378	Hs.111749	NM_000534	ENSG0000	PMS1	HNPCC3|MI	PMS1 homo	protein-coding
chr21-463	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr21	46310314	46311324	+	0	NA	intron (	intron (	7401	NM_001286	54058	Hs.236572	NM_058180	ENSG0000	C21orf58	-	chromosom	protein-coding
chr22-409	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr22	40919641	40920135	+	0	NA	intron (	L1ME2|LIN	-31490	NM_014248	9978	Hs.474949	NM_014248	ENSG0000	RBX1	BA554C12.	ring-box	protein-coding
chr7-9785	4.187898	-1.20524	1.156444	-1.04219	0.297323	0.981636	chr7	97856224	97857361	+	0	NA	exon (NM_	exon (NM_	15373	NM_133436	440	Hs.489207	NM_001673	ENSG0000	ASNS	ASNSD|TS1	asparagin	protein-coding
chr11-280	4.154616	-1.21641	1.167273	-1.0421	0.297367	0.981636	chr11	28067643	28069841	+	0	NA	intron (	intron (	11927	NR_030341	693195		NR_030341	ENSG0000	MIR610	MIRN610|h	microRNA	ncRNA
chr2-2248	4.154616	-1.21641	1.167273	-1.0421	0.297367	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (	intron (	132880	NM_001290	55619	Hs.46578	NM_014689	ENSG0000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr5-9888	4.154616	-1.21641	1.167273	-1.0421	0.297367	0.981636	chr5	98882705	98884535	+	0	NA	intron (	L1PB1|LIN	42914	NM_001270	1105	Hs.643465	NM_001270	ENSG0000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr10-300	9.980751	0.785379	0.753833	1.041847	0.297482	0.981636	chr10	30022347	30022873	+	0	NA	intron (	intron (	36976	NM_001350	57608	Hs.533953	NM_020848	ENSG0000	JCAD	KIAA1462	junctiona	protein-coding
chr1-5878	14.30619	-0.66101	0.634472	-1.04183	0.297489	0.981636	chr1	58781095	58783117	+	0	NA	exon (NM_	exon (NM_	1941	NM_002228	3725	Hs.696684	NM_002228	ENSG0000	JUN	AP-1|AP1|	Jun proto	protein-coding
chr21-317	7.419231	-0.9309	0.893584	-1.04176	0.297521	0.981636	chr21	31702921	31703313	+	0	NA	intron (	intron (	29001	NM_001145	57466	Hs.17255	NM_020706	ENSG0000	SCAF4	SFRS15|SR	SR-relate	protein-coding
chr22-418	8.20442	0.85405	0.820272	1.041179	0.297792	0.981636	chr22	41884897	41888130	+	0	NA	intron (	L1ME3|LIN	-14431	NR_029507	407039		NR_029507	ENSG0000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr5-3744	8.20442	0.85405	0.820272	1.041179	0.297792	0.981636	chr5	37446188	37447009	+	0	NA	intron (	L1PA5|LIN	67280	NM_001345	55100	Hs.213690	NM_018034	ENSG0000	WDR70	-	WD repeat	protein-coding
chr8-1059	8.20442	0.85405	0.820272	1.041179	0.297792	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (	MSTB-int|	72397	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr10-402	161.3747	0.581163	0.558364	1.040833	0.297953	0.981636	chr10	40204345	40204600	+	0	NA	Intergeni	ALR/Alpha	1507876	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-1339	8.196562	0.856137	0.822728	1.040607	0.298058	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (	AluSg|SIN	4538	NM_020199	56951	Hs.744034	NM_020199	ENSG0000	C5orf15	HTGN29|KC	chromosom	protein-coding
chr1-1564	8.237702	0.856617	0.823479	1.040242	0.298228	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (	intron (	22872	NM_001271	4209	Hs.314327	NM_005920	ENSG0000	MEF2D	-	myocyte e	protein-coding
chr11-130	8.237702	0.856617	0.823479	1.040242	0.298228	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	-30706	NM_021978	6768	Hs.504315	NM_021978	ENSG0000	ST14	ARCI11|HA	suppressi	protein-coding
chr5-1416	8.237702	0.856617	0.823479	1.040242	0.298228	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (	intron (	4868	NM_033449	89848	Hs.591257	NM_033449	ENSG0000	FCHSD1	NWK2	FCH and d	protein-coding
chr9-3615	9.571224	-0.80001	0.769654	-1.03945	0.298597	0.981636	chr9	36156511	36157030	+	0	NA	intron (	MER1B|DNA	-12618	NM_005893	881	Hs.115460	NM_005893	ENSG0000	CCIN	BTBD20|KE	calicin	protein-coding
chr14-243	7.71569	0.900771	0.866647	1.039375	0.29863	0.981636	chr14	24373021	24373751	+	0	NA	intron (	intron (	4304	NM_001198	4776	Hs.77810	NM_004554	ENSG0000	NFATC4	NF-AT3|NF	nuclear f	protein-coding
chr14-884	7.71569	0.900771	0.866647	1.039375	0.29863	0.981636	chr14	88488398	88488599	+	0	NA	intron (	intron (	66509	NM_007039	11099	Hs.437040	NM_007039	ENSG0000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr15-514	7.71569	0.900771	0.866647	1.039375	0.29863	0.981636	chr15	51454980	51455893	+	0	NA	intron (	AluJr4|SI	78190	NM_001330	342035	Hs.526441	NM_181789	ENSG0000	GLDN	CLOM|COLM	gliomedin	protein-coding
chr5-1798	4.685041	1.160865	1.116915	1.03935	0.298642	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (	AluJb|SIN	7908	NM_198868	23061	Hs.155829	NM_015043	ENSG0000	TBC1D9B	GRAMD9B	TBC1 doma	protein-coding
chr11-660	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr11	66068185	66069057	+	0	NA	intron (	intron (	-1651	NM_018026	55690	Hs.644326	NM_018026	ENSG0000	PACS1	MRD17|SHM	phosphofu	protein-coding
chr11-122	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	-9135	NM_001001	414899	Hs.686109	NM_001001	ENSG0000	BLID	BRCC2	BH3-like	protein-coding
chr12-193	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr12	19378327	19378526	+	0	NA	Intergeni	Intergeni	-61066	NM_001114	121536	Hs.126497	NM_153207	ENSG0000	AEBP2	-	AE bindin	protein-coding
chr12-637	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr12	63786571	63787157	+	0	NA	intron (	AluSz|SIN	6738	NM_001278	10329	Hs.216386	NM_014254	ENSG0000	RXYLT1	HP10481|M	ribitol x	protein-coding
chr13-111	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	TTS (NM_	TTS (NM_	-9964	NM_001303	121793	Hs.210677	NM_152324	ENSG0000	TEX29	C13orf16|	testis ex	protein-coding
chr16-744	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr16	74453162	74454130	+	0	NA	intron (	MIRb|SINE	-32176	NM_001011	497190	Hs.454670	NM_001011	ENSG0000	CLEC18B	MRCL2	C-type le	protein-coding
chr2-2004	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	MER102a|D	44718	NM_001321	130535	Hs.605775	NM_152387	ENSG0000	KCTD18	6530404F1	potassium	protein-coding
chr5-3477	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr5	34779157	34780139	+	0	NA	intron (	L1PA5|LIN	-59516	NM_144725	153657	Hs.435742	NM_144725	ENSG0000	TTC23L	MC25-1	tetratric	protein-coding
chr6-5678	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr6	56784743	56785671	+	0	NA	intron (	L1PA3|LIN	58458	NM_183380	667	Hs.604915	NM_001723	ENSG0000	DST	BP240|BPA	dystonin	protein-coding
chr6-7509	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr6	75096575	75098567	+	0	NA	intron (	intron (	31211	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr6-1366	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	-15875	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr7-1041	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (	AluSq2|SI	24903	NM_002553	5001	Hs.432948	NM_002553	ENSG0000	ORC5	ORC5L|ORC	origin re	protein-coding
chr8-9454	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr8	94542308	94543505	+	0	NA	intron (	intron (	10563	NM_015496	25962	Hs.202238	NM_015496	ENSG0000	VIRMA	KIAA1429|	vir like	protein-coding
chr8-1177	6.665474	-0.94747	0.911777	-1.03915	0.298736	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	Intergeni	Intergeni	128391	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr1-1835	6.673332	-0.94921	0.913506	-1.03908	0.298767	0.981636	chr1	1835388	1836202	+	0	NA	intron (	AluJo|SIN	55292	NM_002074	2782	Hs.430425	NM_002074	ENSG0000	GNB1	MRD42	G protein	protein-coding
chr7-1586	6.673332	-0.94921	0.913506	-1.03908	0.298767	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (	intron (	16186	NM_017760	54892	Hs.18616	NM_017760	ENSG0000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr16-302	11.63967	0.727108	0.699818	1.038997	0.298806	0.981636	chr16	30250600	30250938	+	0	NA	Intergeni	AluJo|SIN	-2356	NM_001321	613037	Hs.585733	NM_001321	ENSG0000	NPIPB13	-	nuclear p	protein-coding
chr11-643	5.417348	1.115079	1.073537	1.038696	0.298946	0.981636	chr11	643893	644143	+	0	NA	TTS (NM_	TTS (NM_	6749	NM_000797	1815	Hs.99922	NM_000797	ENSG0000	DRD4	D4DR	dopamine	protein-coding
chr2-3959	4.741896	1.152764	1.110107	1.038426	0.299072	0.981636	chr2	39590203	39591162	+	0	NA	intron (	intron (	-74816	NM_001167	130733	Hs.40808	NM_152390	ENSG0000	TMEM178A	TMEM178	transmemb	protein-coding
chr5-6988	9.58879	-0.79301	0.763683	-1.0384	0.299084	0.981636	chr5	69880692	69880993	+	0	NA	intron (	L1PA3|LIN	20728	NR_160659	1.03E+08	Hs.711155	NR_160659		LOC102724	-	POM121 tr	pseudo
chr1-2433	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (	intron (	-10691	NR_039824	1.01E+08		NR_039824	ENSG0000	MIR4677	mir-4677	microRNA	ncRNA
chr12-140	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr12	1409239	1409598	+	0	NA	intron (	intron (	-91073	NR_028415	1E+08	Hs.391695	NR_028415	ENSG0000	LINC00942	-	long inte	ncRNA
chr12-957	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr12	95708378	95709413	+	0	NA	intron (	MIRb|SINE	59640	NR_077225	1E+08	Hs.676211	NR_077225	ENSG0000	PGAM1P5	-	phosphogl	pseudo
chr12-112	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (	L1PA5|LIN	19626	NM_006187	4940	Hs.528634	NM_006187	ENSG0000	OAS3	p100|p100	2'-5'-oli	protein-coding
chr15-706	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr15	70684193	70684932	+	0	NA	intron (	intron (	17720	NM_001008	55075	Hs.108049	NM_018003	ENSG0000	UACA	NUCLING	uveal aut	protein-coding
chr16-197	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr16	19702090	19703599	+	0	NA	3' UTR (	3' UTR (	-13612	NM_001305	124152	Hs.460217	NM_153208	ENSG0000	IQCK	-	IQ motif	protein-coding
chr16-682	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr16	68286727	68287349	+	0	NA	intron (	AluJb|SIN	22512	NM_001076	9057	Hs.679580	NM_003983	ENSG0000	SLC7A6	LAT-2|LAT	solute ca	protein-coding
chr2-2738	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr2	27385845	27386166	+	0	NA	intron (	intron (	-5271	NM_144631	130557	Hs.515872	NM_144631	ENSG0000	ZNF513	HMFT0656|	zinc fing	protein-coding
chr2-1280	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	6308	NR_027671	56886	Hs.743306	NM_020120	ENSG0000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr21-374	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr21	37402301	37402789	+	0	NA	intron (	L1MEf|LIN	-16360	NM_130436	1859	Hs.368240	NM_001396	ENSG0000	DYRK1A	DYRK|DYRK	dual spec	protein-coding
chr21-413	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr21	41390274	41390588	+	0	NA	intron (	intron (	28404	NM_002463	4600	Hs.926	NM_002463	ENSG0000	MX2	MXB	MX dynami	protein-coding
chr3-1727	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	exon (NM_	exon (NM_	31171	NM_001349	1894	Hs.518299	NM_018098	ENSG0000	ECT2	ARHGEF31	epithelia	protein-coding
chr5-9887	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr5	98873803	98874750	+	0	NA	intron (	intron (	52258	NM_001270	1105	Hs.643465	NM_001270	ENSG0000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr6-4333	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr6	43337391	43337725	+	0	NA	exon (NM_	exon (NM_	-28732	NM_206922	401262	Hs.653165	NM_206922	ENSG0000	CRIP3	CRP-3|TLP	cysteine	protein-coding
chr6-5718	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr6	57187343	57188661	+	0	NA	non-codir	non-codir	15676	NM_004282	9532	Hs.745046	NM_004282	ENSG0000	BAG2	BAG-2|dJ4	BCL2 asso	protein-coding
chr6-1444	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	24565	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr7-8074	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr7	80747858	80748335	+	0	NA	intron (	intron (	101443	NM_001289	948	Hs.120949	NM_000072	ENSG0000	CD36	BDPLT10|C	CD36 mole	protein-coding
chr8-2336	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr8	23368827	23370887	+	0	NA	intron (	intron (	33649	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG0000	LOC100507	-	uncharact	ncRNA
chr9-3791	5.393404	-1.05322	1.014806	-1.03785	0.299339	0.981636	chr9	37916264	37916857	+	0	NA	3' UTR (	3' UTR (	-12207	NR_024872	92014	Hs.634120	NM_033412	ENSG0000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr14-750	6.59891	-0.96073	0.925944	-1.03757	0.299472	0.981636	chr14	75031487	75032176	+	0	NA	intron (	intron (	19636	NM_014381	27030	Hs.436650	NM_014381	ENSG0000	MLH3	HNPCC7	mutL homo	protein-coding
chr17-626	6.59891	-0.96073	0.925944	-1.03757	0.299472	0.981636	chr17	62677720	62678028	+	0	NA	intron (	AluY|SINE	-28332	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG0000	LOC105371	-	uncharact	ncRNA
chr2-2029	6.59891	-0.96073	0.925944	-1.03757	0.299472	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (	AluSg4|SI	-6864	NM_001282	79800	Hs.444982	NM_024744	ENSG0000	CARF	ALS2CR8|N	calcium r	protein-coding
chr7-4469	6.59891	-0.96073	0.925944	-1.03757	0.299472	0.981636	chr7	44695829	44696028	+	0	NA	intron (	intron (	-52638	NM_001300	83637	Hs.77978	NM_031449	ENSG0000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr1-2368	6.502511	0.965404	0.930533	1.037475	0.299515	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (	intron (	96578	NM_001291	4548	Hs.498187	NM_000254	ENSG0000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr15-553	6.502511	0.965404	0.930533	1.037475	0.299515	0.981636	chr15	55383555	55384483	+	0	NA	intron (	Tigger1|D	-10985	NR_030358	693213		NR_030358	ENSG0000	MIR628	MIRN628|h	microRNA	ncRNA
chr17-573	6.502511	0.965404	0.930533	1.037475	0.299515	0.981636	chr17	57347976	57348865	+	0	NA	intron (	MSTB|LTR|	91401	NM_170721	124540	Hs.658922	NM_138962	ENSG0000	MSI2	MSI2H	musashi R	protein-coding
chr19-329	6.502511	0.965404	0.930533	1.037475	0.299515	0.981636	chr19	32962839	32963117	+	0	NA	intron (	L1ME1|LIN	8980	NM_032816	84902	Hs.599703	NM_032816	ENSG0000	CEP89	CCDC123|C	centrosom	protein-coding
chr22-200	6.502511	0.965404	0.930533	1.037475	0.299515	0.981636	chr22	20063378	20064870	+	0	NA	intron (	intron (	-16108	NM_001190	54487	Hs.643452	NM_022720	ENSG0000	DGCR8	C22orf12|	DGCR8 mic	protein-coding
chr1-2306	9.955327	0.781447	0.753245	1.037442	0.29953	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (	intron (	23948	NM_000029	183	Hs.19383	NM_000029	ENSG0000	AGT	ANHU|SERP	angiotens	protein-coding
chr1-5196	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr1	51965367	51965777	+	0	NA	intron (	AluSg4|SI	25128	NM_002867	5865	Hs.123072	NM_002867	ENSG0000	RAB3B	-	RAB3B, me	protein-coding
chr11-460	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr11	46083025	46083224	+	0	NA	intron (	intron (	37695	NM_001352	51317	Hs.502458	NM_016621	ENSG0000	PHF21A	BHC80|BM-	PHD finge	protein-coding
chr11-128	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (	MIR|SINE|	48870	NM_005238	2113	Hs.369438	NM_005238	ENSG0000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr16-884	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr16	8849783	8851395	+	0	NA	intron (	intron (	1120	NR_147908	1E+08	Hs.735515	NR_147908		LOC100130	-	uncharact	ncRNA
chr2-6110	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr2	61104135	61104334	+	0	NA	intron (	AluY|SINE	38025	NM_001330	84542	Hs.468653	NM_032506	ENSG0000	KIAA1841	-	KIAA1841	protein-coding
chr2-2226	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (	intron (	36592	NR_130154	10056	Hs.471452	NM_005687	ENSG0000	FARSB	FARSLB|FR	phenylala	protein-coding
chr21-392	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr21	39233804	39234127	+	0	NA	intron (	AluSz|SIN	-50451	NM_203433	8624	Hs.473838	NM_003720	ENSG0000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr4-1832	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (	FLAM_C|SI	-26506	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG0000	WWC2-AS1	-	WWC2 anti	ncRNA
chr6-9726	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr6	97266038	97266374	+	0	NA	intron (	L1MA8|LIN	17010	NM_001350	253714	Hs.444292	NM_198468	ENSG0000	MMS22L	C6orf167|	MMS22 lik	protein-coding
chr8-6166	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr8	61661515	61662668	+	0	NA	TTS (NM_	TTS (NM_	27720	NM_001164	444	Hs.332422	NM_004318	ENSG0000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1304	6.624334	-0.95225	0.918048	-1.03726	0.299616	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (	AluY|SINE	43025	NM_001362	50807	Hs.655552	NM_018482	ENSG0000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr5-4733	18.95316	0.587809	0.567032	1.036642	0.299903	0.981636	chr5	47330380	47331810	+	0	NA	Intergeni	ALR/Alpha	-1634715	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr15-591	5.434544	-1.0471	1.010165	-1.03656	0.29994	0.981636	chr15	59183914	59184780	+	0	NA	intron (	L1MA2|LIN	-13085	NR_031750	1E+08		NR_031750	ENSG0000	MIR2116	mir-2116	microRNA	ncRNA
chr18-458	5.434544	-1.0471	1.010165	-1.03656	0.29994	0.981636	chr18	45894935	45895256	+	0	NA	intron (	L2c|LINE|	69420	NM_213602	284266	Hs.287692	NM_213602	ENSG0000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding

chr3-1701	5.434544	-1.0471	1.010165	-1.03656	0.29994	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	57461	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomec	protein-coding
chr9-7032	5.434544	-1.0471	1.010165	-1.03656	0.29994	0.981636	chr9	70325714	70327613	+	0	NA	intron (N	L1MC5|LIN	67685	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr13-274	6.435948	0.959271	0.925482	1.036509	0.299965	0.981636	chr13	27441335	27441608	+	0	NA	intron (N	intron (N	8718	NM_001166	219402	Hs.534582	NM_152912	ENSG00000	MTIF3	IF3mt	mitochond	protein-coding
chr16-289	6.435948	0.959271	0.925482	1.036509	0.299965	0.981636	chr16	28962364	28962897	+	0	NA	intron (N	MER21B|LT	4047	NR_039742	1.01E+08		NR_039742	ENSG00000	MIR4517	mir-4517	microRNA	ncRNA
chr19-963	6.435948	0.959271	0.925482	1.036509	0.299965	0.981636	chr19	9636019	9637087	+	0	NA	Intergeni	HERVH-int	15071	NR_122038	284385	Hs.651747	NM_001242	ENSG00000	ZNF561-AS	C19orf82	ZNF561 an	ncRNA
chr19-121	6.435948	0.959271	0.925482	1.036509	0.299965	0.981636	chr19	12175420	12175677	+	0	NA	intron (N	L1MC1|LIN	12452	NM_003437	7695	Hs.479874	NM_003437	ENSG00000	ZNF136	pHZ-20	zinc fing	protein-coding
chr9-1290	6.435948	0.959271	0.925482	1.036509	0.299965	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	14137	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chr7-8395	5.367981	-1.06383	1.026971	-1.03589	0.300255	0.981636	chr7	83959733	83959932	+	0	NA	3’ UTR (N	3’ UTR (N	234957	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr10-399	66.78385	0.393906	0.380396	1.035514	0.300429	0.981636	chr10	39967518	39968398	+	0	NA	Intergeni	ALR/Alpha	1271362	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-963	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr11	96383076	96384206	+	0	NA	intron (N	intron (N	6175	NM_001363	79780	Hs.525088	NM_014148	ENSG00000	CCDC82	HSPC048	coiled-cc	protein-coding
chr16-503	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr16	50325031	50325855	+	0	NA	intron (N	intron (N	32827	NR_106829	1.02E+08		NR_106829	ENSG00000	MIR6771	hsa-mir-6	microRNA	ncRNA
chr17-664	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr17	6642832	6644630	+	0	NA	3’ UTR (N	3’ UTR (N	2671	NM_032731	84817	Hs.408236	NM_032731	ENSG00000	TXNDC17	TRP14|TXN	thioredox	protein-coding
chr2-8747	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr2	87478599	87481682	+	0	NA	intron (N	intron (N	10190	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr20-564	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr20	56415702	56415973	+	0	NA	intron (N	Tigger8|D	3577	NM_001164	57091	Hs.473144	NM_020356	ENSG00000	CASS4	C20orf32|	Cas scaff	protein-coding
chr22-415	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr22	41512436	41512888	+	0	NA	intron (N	intron (N	31808	NM_001018	171568	Hs.712617	NM_138338	ENSG00000	POLR3H	RPC22.9|F	RNA polym	protein-coding
chr4-1691	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-110536	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr8-3830	6.657616	-0.9457	0.91329	-1.03549	0.300441	0.981636	chr8	38306933	38307356	+	0	NA	intron (N	(AAAT)n|S	-37912	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTF	phospholi	protein-coding
chr1-1125	7.880688	-0.87712	0.847127	-1.0354	0.300482	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSc8|SI	44123	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr12-121	7.880688	-0.87712	0.847127	-1.0354	0.300482	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	TTS (NM_0	TTS (NM_0	19665	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr13-445	6.68119	-0.95093	0.918535	-1.03527	0.300545	0.981636	chr13	44545344	44545776	+	0	NA	intron (N	intron (N	-30336	NR_038381	641467	Hs.624196	NR_038381	ENSG00000	TSC22D1-A	-	TSC22D1 a	ncRNA
chr16-651	6.68119	-0.95093	0.918535	-1.03527	0.300545	0.981636	chr16	65113862	65114886	+	0	NA	intron (N	MIRb|SINE	7689	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr16-163	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr16	1639775	1640766	+	0	NA	intron (N	L1MEf|LIN	25630	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-236	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr16	23629658	23630022	+	0	NA	exon (NM_	exon (NM_	11517	NM_024675	79728	Hs.444664	NM_024675	ENSG00000	PALB2	FANCN|PNC	partner a	protein-coding
chr19-197	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr19	19729174	19730979	+	0	NA	intron (N	AluSx|SIN	3036	NM_021030	7561	Hs.659932	NM_021030	ENSG00000	ZNF14	GIOT-4|KO	zinc fing	protein-coding
chr2-3881	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr2	38810683	38811603	+	0	NA	intron (N	intron (N	32933	NM_024775	79833	Hs.143818	NM_024775	ENSG00000	GEMIN6	-	gem nucle	protein-coding
chr2-2383	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluJb|SIN	35884	NM_001139	26146	Hs.631898	NM_015650	ENSG00000	TRAF3IP1	IFT54|MIP	TRAF3 int	protein-coding
chr22-378	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr22	37837490	37838471	+	0	NA	intron (N	AluY|SINE	5868	NM_001363	129138	Hs.135259	NM_138797	ENSG00000	ANKRD54	LIAR	ankyrin r	protein-coding
chr3-1856	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-20917	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr6-4430	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr6	44305177	44305909	+	0	NA	intron (N	intron (N	7804	NM_020745	57505	Hs.158381	NM_020745	ENSG00000	AARS2	AARSL|COX	alanyl-tR	protein-coding
chr6-1211	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr6	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	208894	NM_152730	221322	Hs.121396	NM_152730	ENSG00000	TBC1D32	BROMI|C6o	TBC1 doma	protein-coding
chr7-7453	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr7	74539005	74540271	+	0	NA	intron (N	AluSx|SIN	-56330	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr8-1005	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	37299	NM_001270	157567	Hs.530199	NM_198401	ENSG00000	ANKRD46	ANK-S|GEN	ankyrin r	protein-coding
chr9-1274	8.212278	0.85196	0.822991	1.0352	0.300576	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx|SIN	7594	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr10-414	15.20019	0.666307	0.64395	1.034718	0.3008	0.981636	chr10	41494385	41495161	+	0	NA	Intergeni	ALR/Alpha	873272	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-5656	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr1	56564585	56567678	+	0	NA	intron (N	intron (N	13432	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr1-1000	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	AluSx3|SI	-25972	NM_033055	64645	Hs.124156	NM_033055	ENSG00000	MFSD14A	HIAT1	major fac	protein-coding
chr11-167	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr11	16757283	16758289	+	0	NA	3’ UTR (N	3’ UTR (N	19139	NM_014267	10944	Hs.368226	NM_014267	ENSG00000	C11orf58	IMAGE1450	chromosom	protein-coding
chr13-326	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr13	32682967	32685007	+	0	NA	exon (NM_	exon (NM_	97535	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr2-2024	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr2	20249905	20250747	+	0	NA	3’ UTR (N	3’ UTR (N	-24893	NM_001006	6382	Hs.224607	NM_002997	ENSG00000	SDC1	CD138|SDC	syndecan	protein-coding
chr2-5821	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr2	58211016	58211922	+	0	NA	intron (N	THE1B-int	29911	NR_156742	55120	Hs.631890	NM_018062	ENSG00000	FANCL	FAAP43|PH	FA comple	protein-coding
chr2-1444	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-75274	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr2-2016	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-10040	NM_001168	151254	Hs.335788	NM_152525	ENSG00000	C2CD6	ALS2CR11	C2 calciu	protein-coding
chr3-4818	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr3	48180186	48182473	+	0	NA	intron (N	L1ME3|LIN	7088	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr4-1592	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	12904	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr4-1832	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	30940	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG00000	WWC2-AS1	-	WWC2 anti	ncRNA
chr5-8106	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr5	81063364	81064400	+	0	NA	intron (N	HAL1ME|LI	-102975	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr5-9690	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr5	96903757	96904733	+	0	NA	intron (N	intron (N	28306	NR_137637	64167	Hs.482910	NM_022350	ENSG00000	ERAP2	L-RAP|LRA	endoplasm	protein-coding
chr9-8601	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr9	86019419	86020191	+	0	NA	intron (N	L1ME4b|LI	78276	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr9-9807	5.426686	-1.04499	1.010135	-1.03451	0.300898	0.981636	chr9	98079050	98079708	+	0	NA	intron (N	intron (N	22647	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetyln	protein-coding
chr19-144	7.821982	-0.88979	0.860348	-1.03422	0.301031	0.981636	chr19	14403035	14403234	+	0	NA	intron (N	AluSx|SIN	16207	NM_005804	10212	Hs.311609	NM_005804	ENSG00000	DDX39A	BAT1|BAT1	DExD-box	protein-coding
chr20-369	7.821982	-0.88979	0.860348	-1.03422	0.301031	0.981636	chr20	36912119	36912318	+	0	NA	intron (N	intron (N	36080	NM_080628	140711	Hs.472630	NM_080628	ENSG00000	TLDC2	C20orf118	TBC/LysM-	protein-coding
chr10-495	4.683191	1.141302	1.103749	1.034023	0.301125	0.981636	chr10	49516143	49516731	+	0	NA	exon (NM_	exon (NM_	7844	NM_170753	267004	Hs.49063	NM_170753	ENSG00000	PGBD3	-	piggyBac	protein-coding
chr11-126	4.683191	1.141302	1.103749	1.034023	0.301125	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	7940	NM_001318	114609	Hs.537126	NM_052887	ENSG00000	TIRAP	BACTS1|Ma	TIR domai	protein-coding
chr1-2207	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr1	2.21E+08	2.21E+08	+	0	NA	intron (N	intron (N	7754	NM_017898	54996	Hs.369042	NM_017898	ENSG00000	2-Mar	MOSC2	mitochond	protein-coding
chr11-458	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr11	45877281	45877556	+	0	NA	intron (N	intron (N	-8233	NM_005456	9479	Hs.234249	NM_005456	ENSG00000	MAPK8IP1	IB1|JIP-1	mitogen-a	protein-coding
chr16-580	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr16	58007596	58008274	+	0	NA	intron (N	AluSx1|SI	6528	NM_001204	79650	Hs.408702	NM_024598	ENSG00000	USB1	C16orf57|	U6 snRNA	protein-coding
chr17-180	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr17	18060742	18062523	+	0	NA	intron (N	intron (N	22224	NM_024052	79018	Hs.187422	NM_024052	ENSG00000	GID4	C17orf39|	GID compl	protein-coding
chr19-192	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr19	19286184	19287144	+	0	NA	intron (N	AluJb|SIN	-13363	NM_001001	53345	Hs.531624	NM_203510	ENSG00000	TM6SF2	-	transmemb	protein-coding
chr19-577	6.443806	0.956576	0.925504	1.033573	0.301336	0.981636	chr19	57759540	57760434	+	0	NA	Intergeni	L1PA13|LI	-9665	NM_001204	54807	Hs.625133	NM_017652	ENSG00000	ZNF586	-	zinc fing	protein-coding
chr12-193	9.62993	-0.7899	0.764497	-1.03323	0.301497	0.981636	chr12	19339137	19340008	+	0	NA	intron (N	L1M5|LINE	-99920	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindir	protein-coding
chr6-3344	9.62993	-0.7899	0.764497	-1.03323	0.301497	0.981636	chr6	33443175	33443552	+	0	NA	exon (NM_	exon (NM_	5032	NR_049800	1.01E+08		NR_049800	ENSG00000	MIR5004	mir-5004	microRNA	ncRNA
chr21-699	9.614214	-0.78738	0.762146	-1.03311	0.301552	0.981636	chr21	6993049	6993380	+	0	NA	Intergeni	Intergeni	-55645	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr19-249	24.32993	0.520693	0.504069	1.032979	0.301614	0.981636	chr19	24922578	24922843	+	0	NA	Intergeni	ALR/Alpha	-759263	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-194	8.178996	0.849395	0.822358	1.032877	0.301661	0.981636	chr19	19498467	19499362	+	0	NA	intron (N	intron (N	16634	NM_032037	83983	Hs.532711	NM_032037	ENSG00000	TSSK6	CT72|FKSG	testis sp	protein-coding
chr20-555	8.178996	0.849395	0.822358	1.032877	0.301661	0.981636	chr20	5552953	5559473	+	0	NA	intron (N	Tigger1|D	-46211	NR_109860	1.02E+08	Hs.516871	NR_109860	ENSG00000	LINC01729	-	long inte	ncRNA
chr5-6608	7.847406	-0.88261	0.854687	-1.03267	0.301756	0.981636	chr5	66081955	66082162	+	0	NA	3’ UTR (N	3’ UTR (N	-62242	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr12-118	8.171139	0.851475	0.824824	1.032311	0.301927	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-22008	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr3-1697	8.171139	0.851475	0.824824	1.032311	0.301927	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	non-codin	non-codin	15339	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr6-1116	8.171139	0.851475	0.824824	1.032311	0.301927	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	64966	NM_153048	2534	Hs.390567	NM_002037	ENSG00000	FYN	SLK|SYN|p	FYN proto	protein-coding
chr17-551	7.921827	-0.87313	0.845833	-1.03227	0.301945	0.981636	chr17	551393	551592	+	0	NA	intron (N	AluJr|SIN	-105552	NM_182705	359845	Hs.345588	NM_182705	ENSG00000	RFLNB	CFM1|FAM1	refilin B	protein-coding
chr3-1828	9.137041	-0.82276	0.797284	-1.03195	0.302097	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	L1PA5|LIN	28771	NM_014616	23200	Hs.478429	NM_014616	ENSG00000	ATP11B	ATPIF|ATP	ATPase ph	protein-coding
chr1-2284	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr1	22847456	22848216	+	0	NA	intron (N	L2b|LINE|	15390	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr11-712	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr11	71223609	71224159	+	0	NA	intron (N	intron (N	912	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CO	SH3 and m	protein-coding
chr12-106	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	-40480	NR_040246	1E+08	Hs.742087	NR_040246	ENSG00000	LOC100287	-	uncharact	ncRNA
chr14-314	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr14	31451086	31451601	+	0	NA	intron (N	AluY|SINE	6163	NM_080664	112487	Hs.116014	NM_080664	ENSG00000	DTD2	ATD|C14or	D-aminoac	protein-coding
chr3-6899	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr3	68994194	68995236	+	0	NA	intron (N	AluSx|SIN	18969	NR_103826	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr4-6607	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr4	6607075	6607788	+	0	NA	intron (N	AluJb|SIN	32242	NM_015274	23324	Hs.188464	NM_015274	ENSG00000	MAN2B2	-	mannosida	protein-coding
chr7-4780	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr7	4780616	4780858	+	0	NA	intron (N	AluSx3|SI	5114	NM_014855	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr9-8936	6.477087	0.959609	0.930249	1.031561	0.302278	0.981636	chr9	89360993	89361494	+	0	NA	non-codin	non-codin	42392	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bir	protein-coding
chr12-558	7.378092	-0.93518	0.906739	-1.03137	0.302367	0.981636	chr12	55813688	55814197	+	0	NA	intron (N	MIR|SINE|	3782	NM_033082	84324	Hs.505676	NM_033082	ENSG00000	SARNP	CIP29|HCC	SAP domai	protein-coding
chr1-1001	4.18004	-1.20241	1.165917	-1.0313	0.302402	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	27342	NM_001304	163786	Hs.591447	NM_194292	ENSG00000	SASS6	MCPH14|SA	SAS-6 cer	protein-coding
chr2-1732	4.18004	-1.20241	1.165917	-1.0313	0.302402	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	40015	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr10-119	9.888764	0.777015	0.753897	1.030665	0.302698	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSz6|SI	8823	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr19-256	15.58722	0.639734	0.620747	1.030589	0.302734	0.981636	chr19	25653280	25653479	+	0	NA	Intergeni	ALR/Alpha	-1489932	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-5252	6.42809	0.961958	0.933487	1.030499	0.302776	0.981636	chr1	52525463	52525898	+	0	NA	exon (NM_	exon (NM_	27410	NM_015269	23318	Hs.655407	NM_015269	ENSG00000	TUT4	PAPD3|TEN	terminal	protein-coding
chr22-403	6.42809	0.961958	0.933487	1.030499	0.302776	0.981636	chr22	40318842	40319161	+	0	NA	intron (N	AluSx1|SI	-27499	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr1-1485	14.67032	0.682864	0.662655	1.030498	0.302777	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	9910	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr16-293	10.01403	0.787619	0.76444	1.030322	0.302859	0.981636	chr16	2936207	2936433	+	0	NA	intron (N	intron (N	24341	NM_001308	84256	Hs.655321	NM_020912	ENSG00000	FLYWCH1	-	FLYWCH-ty	protein-coding
chr19-263	10.01403	0.787619	0.76444	1.030322	0.302859	0.981636	chr19	26316270	26317176	+	0	NA	Intergeni	ALR/Alpha	-1476708	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-572	9.929903	0.7775	0.754647	1.030283	0.302877	0.981636	chr17	57297551	57298772	+	0	NA	intron (N	Tigger1|D	41142	NM_170721	124540	Hs.658922	NM_138962	ENSG00000	MSI2	MSI2H	musashi R	protein-coding
chr19-253	20.15664	0.582668	0.565698	1.029999	0.30301	0.981636	chr19	25317925	25319026	+	0	NA	Intergeni	ALR/Alpha	-1155028	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-958	6.147162	-1.02047	0.99161	-1.0291	0.303432	0.981636	chr11	95830141	95830549	+	0	NA	intron (N	intron (N	39847	NM_014679	9702	Hs.101014	NM_014679	ENSG00000	CEP57	MVA2|PIG8	centrosom	protein-coding
chr9-2711	6.147162	-1.02047	0.99161	-1.0291	0.303432	0.981636	chr9	27116336	27116784	+	0	NA	intron (N	AluSx1|SI	7419	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GL	TEK recep	protein-coding
chr14-451	9.606356	-0.78611	0.763941	-1.02902	0.303471	0.981636	chr14	45110178	45110495	+	0	NA	promoter-	promoter-	-539	NR_003691	1E+08	Hs.712501	NR_003691	ENSG00000	SNORD127	-	small nuc	snoRNA
chr7-2285	9.606356	-0.78611	0.763941	-1.02902	0.303471	0.981636	chr7	22857174	22858015	+	0	NA	TTS (NR_0	TTS (NR_0	981	NR_003075	692210		NR_003075	ENSG00000	SNORD93	HBII-336	small nuc	snoRNA
chr6-1319	12.57266	-0.69832	0.67872	-1.02887	0.303538	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2483	NM_001901	1490	Hs.410037	NM_001901	ENSG00000	CCN2	CTGF|HCS2	cellular	protein-coding
chr1-1742	9.988609	0.783636	0.761851	1.028596	0.30367	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluJo|SIN	15895	NM_001366	9910	Hs.585378	NM_014857	ENSG00000	RABGAP1L	HHL|TBC1D	RAB GTPas	protein-coding
chr1-1460	14.42489	0.651578	0.633487	1.028557	0.303688	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	44352	NR_125967	1.02E+08	Hs.735893	NR_125967	ENSG00000	LINC01719	-	long inte	ncRNA
chr12-105	6.573487	-0.96969	0.943141	-1.02815	0.30388	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	L2|LINE|L	41503	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr7-1117	9.896622	0.77529	0.75408	1.028127	0.30389	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MEf|LIN	-31010	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr13-113	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	1677	NM_007111	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr2-6299	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr2	62994287	62994533	+	0	NA	intron (N	intron (N	53301	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr5-9462	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr5	94629883	94630643	+	0	NA	intron (N	(TTATAA)n	11594	NM_032290	84250	Hs.657315	NM_032290	ENSG00000	SLF1	ANKRD32|B	SMC5-SMC6	protein-coding
chr6-4353	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr6	43535324	43535534	+	0	NA	intron (N	AluSx1|SI	18340	NM_001363	9533	Hs.743509	NM_004875	ENSG00000	POLR1C	AC40|HLD1	RNA polym	protein-coding
chr9-6922	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr9	69225367	69227008	+	0	NA	intron (N	intron (N	21032	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jun	protein-coding
chr9-1207	6.649758	-0.94387	0.918112	-1.02806	0.303922	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MIRb|SINE	26625	NM_012164	26190	Hs.494985	NM_012164	ENSG00000	FBXW2	FBW2|Fwd2	F-box anc	protein-coding
chr12-640	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr12	64021096	64021484	+	0	NA	intron (N	MLT1J|LTR	176590	NM_001346	57522	Hs.210751	NM_020762	ENSG00000	SRGAP1	ARHGAP13|	SLIT-ROBO	protein-coding
chr17-281	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr17	28126594	28127274	+	0	NA	intron (N	intron (N	84257	NM_016231	51701	Hs.208759	NM_016231	ENSG00000	NLK	-	nemo like	protein-coding
chr2-1118	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	11203	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr3-1278	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	3489	NM_007283	11343	Hs.277035	NM_007283	ENSG00000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr4-1832	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	exon (NM_	exon (NM_	-8105	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG00000	WWC2-AS1	-	WWC2 anti	ncRNA
chr6-3542	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr6	35429821	35430507	+	0	NA	Intergeni	Intergeni	-22197	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr7-8401	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr7	84013063	84014334	+	0	NA	intron (N	AluSx1|SI	181091	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-1076	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	22021	NM_001371354								
chr7-1521	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	Intergeni	Intergeni	57375	NM_001371474								
chr8-3017	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr8	30177763	30178029	+	0	NA	intron (N	intron (N	21527	NM_006571	10671	Hs.158427	NM_006571	ENSG00000	DCTN6	WS-3|WS3|	dynactin	protein-coding
chr8-1197	5.418828	-1.04282	1.014413	-1.02801	0.303947	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	L2b|LINE|	-72554	NM_001330	5168	Hs.190977	NM_006209	ENSG00000	ENPP2	ATX|ATX-X	ectonucle	protein-coding
chr5-1284	9.620222	-0.79823	0.776509	-1.02797	0.303962	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	134953	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr9-1228	9.186039	-0.82059	0.798281	-1.02795	0.303975	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJr|SIN	-6282	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr14-313	9.530085	-0.80348	0.781804	-1.02772	0.30408	0.981636	chr14	31383652	31383859	+	0	NA	exon (NM_	exon (NM_	36795	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr20-590	9.573074	-0.7905	0.769306	-1.02755	0.304163	0.981636	chr20	59035550	59036399	+	0	NA	intron (N	intron (N	-3639	NM_006886	514	Hs.177530	NM_006886	ENSG00000	ATP5F1E	ATP5E|ATP	ATP synth	protein-coding
chr19-257	5.263908	1.054335	1.026168	1.027448	0.304209	0.981636	chr19	25794261	25794892	+	0	NA	Intergeni	ALR/Alpha	-1631129	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr15-671	7.913969	-0.87155	0.84828	-1.02744	0.304215	0.981636	chr15	67157527	67157803	+	0	NA	intron (N	intron (N	-8490	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding

chr17-418	7.913969	-0.87155	0.84828	-1.02744	0.304215	0.981636	chr17	41806783	41807020	+	0	NA	intron (N	intron (N	5048	NM_006455	10609	Hs.446459	NM_006455	ENSG00000	P3H4	LEPREL4|M	prolyl 3-	protein-coding
chr8-1178	7.913969	-0.87155	0.84828	-1.02744	0.304215	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	96127	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr15-443	3.677444	-1.37819	1.342062	-1.02692	0.304457	0.981636	chr15	44380785	44381064	+	0	NA	exon (NM_	exon (NM_	-46705	NM_016396	51496	Hs.497967	NM_016396	ENSG00000	CTDSPL2	HSPC058|H	CTD small	protein-coding
chr1-2401	8.186854	0.847279	0.825086	1.026898	0.304468	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	67840	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr15-415	8.186854	0.847279	0.825086	1.026898	0.304468	0.981636	chr15	41536496	41537009	+	0	NA	intron (N	MIRc|SINE	7505	NM_015540	26015	Hs.371045	NM_015540	ENSG00000	RPAP1	-	RNA polym	protein-coding
chr17-119	8.186854	0.847279	0.825086	1.026898	0.304468	0.981636	chr17	11977213	11979457	+	0	NA	exon (NM_	exon (NM_	19037	NM_144680	7566	Hs.370473	NM_144680	ENSG00000	ZNF18	HDSG1|KOX	zinc fing	protein-coding
chr6-3089	8.186854	0.847279	0.825086	1.026898	0.304468	0.981636	chr6	30894668	30898594	+	0	NA	exon (NM_	exon (NM_	5748	NR_039783	1.01E+08		NR_039783	ENSG00000	MIR4640	-	microRNA	ncRNA
chr11-201	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr11	20118988	20119649	+	0	NA	3’ UTR (N	3’ UTR (N	41157	NM_001029	120237		NM_001029	ENSG00000	DBX1	-	developir	protein-coding
chr11-128	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	58211	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr13-106	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr13	1.07E+08	1.07E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-6378	NM_004093	1948	Hs.149239	NM_004093	ENSG00000	EFNB2	EPLG5|HTK	ephrin B2	protein-coding
chr17-774	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr17	77411378	77411617	+	0	NA	intron (N	AluSq4|SI	6420	NM_001293	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr2-1730	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	7097	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr2-2274	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	L1MB1|LIN	20998	NM_001135	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|R	ArfGAP wi	protein-coding
chr20-369	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr20	36907584	36907810	+	0	NA	intron (N	AluSg4|SI	31559	NM_080628	140711	Hs.472630	NM_080628	ENSG00000	TLDC2	C20orf118	TBC/LysM-	protein-coding
chr22-181	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr22	18158065	18158414	+	0	NA	intron (N	AluSg4|SI	8069	NM_017414	11274	Hs.38260	NM_017414	ENSG00000	USP18	ISG43|PTC	ubiquitir	protein-coding
chr4-1223	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-68917	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr5-3587	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr5	35874616	35877737	+	0	NA	exon (NM_	exon (NM_	19285	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr6-2478	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr6	24785934	24787288	+	0	NA	TTS (NM_C	TTS (NM_C	11198	NM_001251	51053	Hs.234896	NM_015895	ENSG00000	GMNN	Gem|MGORS	geminin I	protein-coding
chr7-1347	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	1587	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmor	protein-coding
chr8-1331	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2356	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chrX-1415	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chrX	1415059	1415524	+	0	NA	non-codir	non-codir	14760	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chrX-1013	5.385546	-1.0511	1.023657	-1.02681	0.304508	0.981636	chrX	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MA1|LIN	2149	NM_001199	1.01E+08	Hs.432485	NM_001199973		RPL36A-HN	-	RPL36A-HN	protein-coding
chr19-498	11.34774	-0.72599	0.707094	-1.02673	0.30455	0.981636	chr19	49805909	49806109	+	0	NA	TTS (NM_C	TTS (NM_C	7283	NR_033269	80199	Hs.288800	NM_025129	ENSG00000	FUZ	CPLANE3|F	fuzzy pla	protein-coding
chr5-5594	11.34774	-0.72599	0.707094	-1.02673	0.30455	0.981636	chr5	55940822	55942726	+	0	NA	non-codir	non-codir	53189	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr18-123	11.33202	-0.72381	0.705099	-1.02653	0.304641	0.981636	chr18	12309583	12320977	+	0	NA	intron (N	L1ME4a|LI	7039	NM_001303	84617	Hs.193491	NM_032525	ENSG00000	TUBB6	FPVEPD|Hs	tubulin b	protein-coding
chr2-6915	11.33202	-0.72381	0.705099	-1.02653	0.304641	0.981636	chr2	69152670	69153351	+	0	NA	intron (N	intron (N	49328	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr14-105	5.921794	1.023739	0.997389	1.026419	0.304694	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	28256	NM_145685	2972	Hs.424484	NM_001519	ENSG00000	BRF1	BRF|BRF-1	BRF1 RNA	protein-coding
chr12-502	6.616476	-0.95047	0.926376	-1.02601	0.304886	0.981636	chr12	50208095	50208318	+	0	NA	intron (N	AluSx3|SI	-6673	NM_001243	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr2-8647	6.616476	-0.95047	0.926376	-1.02601	0.304886	0.981636	chr2	86478268	86479068	+	0	NA	exon (NM_	exon (NM_	37207	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr3-1882	6.616476	-0.95047	0.926376	-1.02601	0.304886	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	-5133	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr4-1187	6.616476	-0.95047	0.926376	-1.02601	0.304886	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	64263	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr8-1802	6.616476	-0.95047	0.926376	-1.02601	0.304886	0.981636	chr8	18021502	18021928	+	0	NA	intron (N	MER57A-ir	61481	NM_001363	427	Hs.527412	NM_004315	ENSG00000	ASAH1	AC|ACDase	N-acylsph	protein-coding
chr12-110	10.89599	-0.74751	0.729074	-1.02529	0.305227	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	37091	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr8-6156	5.360123	-1.06184	1.035987	-1.02496	0.305383	0.981636	chr8	61564231	61565168	+	0	NA	intron (N	intron (N	125112	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr19-260	29.65707	0.509013	0.496841	1.024499	0.3056	0.981636	chr19	26079823	26080137	+	0	NA	Intergeni	ALR/Alpha	-1713451	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-409	29.17805	0.517456	0.505104	1.024455	0.30562	0.981636	chr10	40975909	40976161	+	0	NA	Intergeni	ALR/Alpha	1392010	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-126	6.445655	0.970656	0.947493	1.024446	0.305625	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-10093	NM_001350	28960	Hs.504249	NM_014026	ENSG00000	DCPS	ARS|DCS1|	decapping	protein-coding
chr1-1230	40.46533	0.421614	0.411731	1.024002	0.305834	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1539401	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-133	6.088456	-1.03808	1.013757	-1.024	0.305837	0.981636	chr10	13342259	13342513	+	0	NA	intron (N	AluSx|SIN	5907	NM_012247	22929	Hs.124027	NM_012247	ENSG00000	SEPHS1	SELD|SPS|	selenopho	protein-coding
chr1-1114	5.238484	1.047355	1.023788	1.02302	0.306299	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	Intergeni	L2c|LINE|	-3864	NM_001300	128346	Hs.288010	NM_174896	ENSG00000	C1orf162	-	chromosom	protein-coding
chr1-1227	5.238484	1.047355	1.023788	1.02302	0.306299	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1235792	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-120	5.238484	1.047355	1.023788	1.02302	0.306299	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	39121	NM_000017	35	Hs.507076	NM_000017	ENSG00000	ACADS	ACAD3|SCA	acyl-CoA	protein-coding
chr20-515	5.238484	1.047355	1.023788	1.02302	0.306299	0.981636	chr20	51598744	51600517	+	0	NA	3’ UTR (N	3’ UTR (N	-36791	NM_001136	4773	Hs.744148	NM_012340	ENSG00000	NFATC2	NFAT1|NFA	nuclear f	protein-coding
chr9-1048	5.238484	1.047355	1.023788	1.02302	0.306299	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	73153	NM_005502	19	Hs.659274	NM_005502	ENSG00000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr12-106	5.980499	1.033138	1.009982	1.022928	0.306342	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	18842	NM_001286	255394	Hs.696047	NM_152772	ENSG00000	TCP11L2	-	t-complex	protein-coding
chr9-1330	5.980499	1.033138	1.009982	1.022928	0.306342	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-4776	NM_001807	1056	Hs.533258	NM_001807	ENSG00000	CEL	BAL|BSDL|	carboxyl	protein-coding
chr11-464	8.220136	0.849805	0.831142	1.022454	0.306566	0.981636	chr11	46434547	46434926	+	0	NA	intron (N	intron (N	-17071	NR_036118	1E+08		NR_036118	ENSG00000	MIR3160-2	mir-3160-	microRNA	ncRNA
chr9-9760	8.220136	0.849805	0.831142	1.022454	0.306566	0.981636	chr9	97600852	97601517	+	0	NA	3’ UTR (N	3’ UTR (N	32184	NM_139246	158427	Hs.723236	NM_139246	ENSG00000	TSTD2	C9orf97	thiosulfa	protein-coding
chr4-2636	6.180443	-1.01267	0.990526	-1.02235	0.306614	0.981636	chr4	2636386	2636993	+	0	NA	intron (N	Charlie1|	11257	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr14-610	9.655353	-0.78422	0.767087	-1.02234	0.306622	0.981636	chr14	61060879	61061251	+	0	NA	intron (N	L1HS|LINE	-79375	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr22-192	7.774395	0.908351	0.888557	1.022277	0.30665	0.981636	chr22	19222653	19222948	+	0	NA	exon (NM_	exon (NM_	-43937	NR_046298	6576	Hs.111024	NM_005984	ENSG00000	SLC25A1	CMS23|CTF	solute ca	protein-coding
chr1-1145	6.451664	0.95376	0.933564	1.021633	0.306954	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	7719	NM_005872	10286	Hs.22960	NM_005872	ENSG00000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr19-122	6.451664	0.95376	0.933564	1.021633	0.306954	0.981636	chr19	12241207	12242344	+	0	NA	Intergeni	L1MB4|LIN	46760	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr2-8602	6.451664	0.95376	0.933564	1.021633	0.306954	0.981636	chr2	86026879	86027982	+	0	NA	exon (NM_	exon (NM_	78456	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr4-1218	6.451664	0.95376	0.933564	1.021633	0.306954	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJb|SIN	15186	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr5-3751	6.451664	0.95376	0.933564	1.021633	0.306954	0.981636	chr5	37518779	37519788	+	0	NA	intron (N	SVA_A|Ret	139965	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr11-476	8.153573	0.844677	0.827097	1.021255	0.307134	0.981636	chr11	47638542	47639570	+	0	NA	intron (N	intron (N	3503	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochonc	protein-coding
chr2-1274	8.153573	0.844677	0.827097	1.021255	0.307134	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	AluY|SINE	38872	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr1-2804	8.365718	-0.83392	0.816586	-1.02123	0.307146	0.981636	chr1	28047675	28048226	+	0	NA	intron (N	intron (N	40660	NM_001282	2140	Hs.185774	NM_001990	ENSG00000	EYA3	-	EYA trans	protein-coding
chr11-936	8.365718	-0.83392	0.816586	-1.02123	0.307146	0.981636	chr11	93675361	93675849	+	0	NA	exon (NM_	exon (NM_	13923	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr13-757	8.365718	-0.83392	0.816586	-1.02123	0.307146	0.981636	chr13	75732606	75733160	+	0	NA	intron (N	L1PA3|LIN	-27437	NM_001366	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr16-887	8.365718	-0.83392	0.816586	-1.02123	0.307146	0.981636	chr16	88727276	88728229	+	0	NA	intron (N	intron (N	-3428	NR_103774	1E+08	Hs.437712	NM_207451		LOC100289	-	uncharact	ncRNA
chr1-2414	8.35786	-0.83248	0.815223	-1.02116	0.307177	0.981636	chr1	2.41E+08	2.41E+08	+	0	NA	TTS (NM_C	TTS (NM_C	22217	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr7-1351	9.522227	-0.80228	0.785704	-1.0211	0.307209	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	1999	NM_001243	78996	Hs.643113	NM_024033	ENSG00000	CYREN	C7orf49|M	cell cycl	protein-coding
chr10-114	6.698755	-0.94069	0.921505	-1.02082	0.307339	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	19453	NM_001135	57700	Hs.192619	NM_020940	ENSG00000	FAM160B1	KIAA1600|	family wi	protein-coding
chr2-2429	8.145715	0.84676	0.829581	1.020709	0.307393	0.981636	chr2	24299750	24300224	+	0	NA	exon (NM_	exon (NM_	60549	NM_001348	50618	Hs.432562	NM_006277	ENSG00000	ITSN2	PRO2015|S	intersect	protein-coding
chr3-1640	8.145715	0.84676	0.829581	1.020709	0.307393	0.981636	chr3	16408781	16409427	+	0	NA	intron (N	intron (N	104595	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr9-1089	8.145715	0.84676	0.829581	1.020709	0.307393	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	33731	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr5-1770	5.342557	-1.07535	1.053954	-1.0203	0.307585	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	L1ME4c|LI	23724	NM_001308	23567	Hs.484259	NM_012279	ENSG00000	ZNF346	JAZ|Zfp34	zinc fing	protein-coding
chr4-1030	4.649909	1.137208	1.115067	1.019856	0.307797	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	9993	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr1-1208	10.45977	0.747835	0.73329	1.019836	0.307806	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	10435	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr12-133	10.45977	0.747835	0.73329	1.019836	0.307806	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20607	NM_015394	7556	Hs.573983	NM_015394	ENSG00000	ZNF10	KOX1	zinc fing	protein-coding
chr1-3314	6.418382	0.950686	0.932504	1.019498	0.307967	0.981636	chr1	33146837	33147485	+	0	NA	3’ UTR (N	3’ UTR (N	29389	NM_001330	55223	Hs.656006	NM_018207	ENSG00000	TRIM62	DEAR1	tripartit	protein-coding
chr16-728	6.418382	0.950686	0.932504	1.019498	0.307967	0.981636	chr16	72810905	72812069	+	0	NA	intron (N	intron (N	-146517	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr19-411	6.418382	0.950686	0.932504	1.019498	0.307967	0.981636	chr19	4119339	4120385	+	0	NA	intron (N	intron (N	4267	NM_030662	5605	Hs.465627	NM_030662	ENSG00000	MAP2K2	CFC4|MAPK	mitogen-a	protein-coding
chr19-139	6.418382	0.950686	0.932504	1.019498	0.307967	0.981636	chr19	13926438	13927161	+	0	NA	intron (N	intron (N	11618	NM_001370	79883	Hs.448497	NM_024825	ENSG00000	PODNL1	SLRR5B	podocan l	protein-coding
chr17-646	7.906111	-0.86989	0.853397	-1.01933	0.308046	0.981636	chr17	64633188	64633387	+	0	NA	intron (N	AluJo|SIN	29020	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr22-467	4.121335	-1.22855	1.205945	-1.01874	0.308324	0.981636	chr22	46725855	46726185	+	0	NA	intron (N	intron (N	12232	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59H	ceramide	protein-coding
chr10-271	4.22118	-1.19348	1.171574	-1.0187	0.308347	0.981636	chr10	27178910	27179630	+	0	NA	intron (N	intron (N	24446	NM_001172	84930	Hs.276905	NM_032844	ENSG00000	MASTL	GREATWALL	microtubu	protein-coding
chr1-2352	8.759714	0.817914	0.803085	1.018465	0.308457	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	67850	NM_001206	51742	Hs.575782	NM_016374	ENSG00000	ARID4B	BCAA|BRCA	AT-rich i	protein-coding
chr18-585	8.373576	-0.8354	0.820377	-1.01832	0.308527	0.981636	chr18	58515712	58516993	+	0	NA	intron (N	intron (N	-65200	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr9-1348	8.373576	-0.8354	0.820377	-1.01832	0.308527	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	21106	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr3-9371	19.87793	0.557756	0.54781	1.018155	0.308604	0.981636	chr3	93710778	93712615	+	0	NA	Intergeni	ALR/Alpha	262385	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr14-610	9.63178	-0.78042	0.766529	-1.01812	0.308619	0.981636	chr14	61052037	61053916	+	0	NA	TTS (NM_1	TTS (NM_1	-71286	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr1-1617	8.350002	-0.83105	0.816259	-1.01812	0.30862	0.981636	chr1	1.62E+08	1.62E+08	+	0	NA	exon (NM_	exon (NM_	25930	NM_007348	22926	Hs.492740	NM_007348	ENSG00000	ATF6	ACHM7|ATF	activatir	protein-coding
chr22-296	8.350002	-0.83105	0.816259	-1.01812	0.30862	0.981636	chr22	29666224	29666495	+	0	NA	intron (N	AluSg|SIN	-53644	NM_182527	164633	Hs.643608	NM_182527	ENSG00000	CABP7	CALN2	calcium b	protein-coding
chr5-1500	8.350002	-0.83105	0.816259	-1.01812	0.30862	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	32401	NR_109969	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr22-356	9.565216	-0.78923	0.775234	-1.01806	0.30865	0.981636	chr22	35651235	35651658	+	0	NA	intron (N	intron (N	3000	NM_030641	80830	Hs.257352	NM_030641	ENSG00000	APOL6	APOL-VI|A	apolipopr	protein-coding
chr6-5657	9.539793	-0.79506	0.781104	-1.01787	0.308741	0.981636	chr6	56572528	56572864	+	0	NA	intron (N	intron (N	70193	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr13-793	7.839548	-0.88103	0.865623	-1.0178	0.308775	0.981636	chr13	79343761	79344386	+	0	NA	intron (N	intron (N	62148	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr1-3543	5.222768	1.054173	1.035914	1.017626	0.308856	0.981636	chr1	35435882	35436240	+	0	NA	intron (N	intron (N	-69984	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chrX-2015	5.222768	1.054173	1.035914	1.017626	0.308856	0.981636	chrX	20154529	20155545	+	0	NA	3’ UTR (N	3’ UTR (N	-13199	NM_001412	1964	Hs.522590	NM_001412	ENSG00000	EIF1AX	EIF1A|EIF	eukaryoti	protein-coding
chr3-5388	6.683039	-0.93716	0.921291	-1.01722	0.309049	0.981636	chr3	53886198	53886688	+	0	NA	intron (N	AluSc|SIN	-4291	NM_022899	93973	Hs.412186	NM_022899	ENSG00000	ACTR8	ARP8|INO8	actin rel	protein-coding
chr2-9299	37.1678	0.432103	0.424799	1.017194	0.309061	0.981636	chr2	92994221	92994573	+	0	NA	Intergeni	ALR/Alpha	1053264	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-613	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr11	61397870	61398475	+	0	NA	intron (N	intron (N	5585	NM_001173	51259	Hs.26745	NM_016499	ENSG00000	TMEM216	HSPC244	transmemb	protein-coding
chr14-760	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr14	76031351	76032691	+	0	NA	intron (N	L2a|LINE|	46258	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr18-638	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr18	63898671	63898932	+	0	NA	intron (N	L2c|LINE|	-9157	NM_005024	5273	Hs.158339	NM_005024	ENSG00000	SERPINB10	PI-10|PI1	serpin fa	protein-coding
chr2-2010	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSx1|SI	-42741	NM_006190	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr4-3195	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr4	3195218	3196273	+	0	NA	intron (N	MLT1J2|LT	-48624	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr9-1162	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	74784	NM_002581	5069	Hs.643599	NM_002581	ENSG00000	PAPPA	ASBABP2|D	pappalysi	protein-coding
chr9-1378	5.205203	1.043727	1.026289	1.016991	0.309158	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-12697	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-8555	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr1	85559864	85562550	+	0	NA	intron (N	MIR|SINE|	16993	NM_001134	23576	Hs.713411	NM_012137	ENSG00000	DDAH1	DDAH|DDAH	dimethyla	protein-coding
chr12-105	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	21952	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr15-370	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr15	37044099	37044348	+	0	NA	intron (N	intron (N	54473	NM_172315	4212	Hs.510989	NM_002399	ENSG00000	MEIS2	CPCMR|HsT	Meis home	protein-coding
chr18-594	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr18	59436288	59436495	+	0	NA	intron (N	intron (N	-77126	NM_005570	3998	Hs.465295	NM_005570	ENSG00000	LMAN1	ERGIC-53|	lectin, m	protein-coding
chr3-1336	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSq2|SI	10556	NM_001363	11073	Hs.593379	NM_007027	ENSG00000	TOPBP1	Dpb11|TOF	DNA topoi	protein-coding
chr5-1135	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSc|SIN	30632	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-9251	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chr7	92513266	92513878	+	0	NA	intron (N	L1MB4|LIN	14948	NM_001282	5189	Hs.164682	NM_000466	ENSG00000	PEX1	HMLR1|PBD	peroxisom	protein-coding
chrX-1294	5.41097	-1.04056	1.023264	-1.0169	0.309202	0.981636	chrX	1.29E+08	1.29E+08	+	0	NA	intron (N	MIRb|SINE	24039	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr12-921	12.67399	0.679703	0.668461	1.016818	0.30924	0.981636	chr12	92141869	92145201	+	0	NA	promoter-	promoter-	-704	NR_132339	256021	Hs.651357	NM_001256	ENSG00000	LINC01619	C12orf79	long inte	ncRNA
chr3-1252	6.6419	-0.94197	0.926441	-1.01676	0.309266	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-64875	NM_024628	84561	Hs.658514	NM_024628	ENSG00000	SLC12A8	CCC9	solute ca	protein-coding
chr9-9224	6.6419	-0.94197	0.926441	-1.01676	0.309266	0.981636	chr9	92248339	92249377	+	0	NA	intron (N	intron (N	43689	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr5-1434	22.69677	-0.52766	0.519137	-1.01641	0.309434	0.981636	chr5	14345593	14347423	+	0	NA	intron (N	L3|LINE|C	-117475	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr19-467	10.81371	-0.75296	0.740846	-1.01635	0.309465	0.981636	chr19	46785571	46785831	+	0	NA	promoter-	promoter-	-887	NM_001145	6510	Hs.631582	NM_005628	ENSG00000	SLC1A5	AAAT|ASCT	solute ca	protein-coding
chr13-727	8.391142	-0.82744	0.814411	-1.01599	0.309632	0.981636	chr13	72750704	72752618	+	0	NA	TTS (NM_C	TTS (NM_C	23738	NM_001286	79866	Hs.643464	NM_024808	ENSG00000	BORA	C13orf34	BORA auro	protein-coding
chr5-1461	8.391142	-0.82744	0.814411	-1.01599	0.309632	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	L1MC4a|LI	-28581	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr6-7514	8.391142	-0.82744	0.814411	-1.01599	0.309632	0.981636	chr6	75140299	75142662	+	0	NA	intron (N	intron (N	-12698	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr12-147	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr12	14794536	14795097	+	0	NA	intron (N	intron (N	8662	NM_016312	51729	Hs.655138	NM_016312	ENSG00000	WBP11	NPWBP|PPF	WW domain	protein-coding
chr14-921	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr14	92142519	92143880	+	0	NA	exon (NM_	exon (NM_	21230	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr15-409	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr15	40955754	40957305	+	0	NA	TTS (NM_C	TTS (NM_C	3058	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr20-459	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr20	45937603	45937834	+	0	NA	intron (N	Charlie19	3035	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr6-7513	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr6	75134157	75139347	+	0	NA	intron (N	CR1_Mam|L	-7970	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr8-2330	8.383284	-0.82601	0.813051	-1.01594	0.309658	0.981636	chr8	23307675	23311311	+	0	NA	intron (N	intron (N	21385	NM_001136	203069	Hs.458644	NM_001136	ENSG00000	R3HCC1	-	R3H domai	protein-coding

chr19-472	8.742148	0.811464	0.799103	1.015468	0.309883	0.981636	chr19	47260529	47261640	+	0	NA	intron (N	intron (N	4559	NM_015603	26093	Hs.227782	NM_015603	ENSG00000	CCDC9	-	coiled-cc	protein-coding
chr3-3164	8.742148	0.811464	0.799103	1.015468	0.309883	0.981636	chr3	3164210	3165443	+	0	NA	intron (N	Tigger1|D	14891	NM_016302	51185	Hs.18925	NM_016302	ENSG00000	CRBN	MRT2|MRT2	cereblon	protein-coding
chr18-769	7.024523	0.907908	0.894079	1.015468	0.309883	0.981636	chr18	76900966	76901530	+	0	NA	intron (N	L1M5|LINE	77088	NM_007345	7776	Hs.719137	NM_007345	ENSG00000	ZNF236	ZNF236A|Z	zinc fing	protein-coding
chr7-8026	6.510369	0.962584	0.947933	1.015456	0.309888	0.981636	chr7	8026350	8027942	+	0	NA	intron (N	L1MA2|LIN	58350	NM_138426	113263	Hs.131673	NM_138426	ENSG00000	GLCCI1	FAM117C|G	glucocort	protein-coding
chr1-1784	6.999099	0.90242	0.888815	1.015307	0.30996	0.981636	chr1	1.78E+08	1.78E+08	+	0	NA	3' UTR (N	3' UTR (N	-39354	NM_001170	84066	Hs.534501	NM_032126	ENSG00000	TEX35	C1orf49|T	testis ex	protein-coding
chr1-2131	6.999099	0.90242	0.888815	1.015307	0.30996	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	L1PA3|LIN	62053	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr15-636	8.161431	0.842527	0.829844	1.015283	0.309971	0.981636	chr15	63676511	63676750	+	0	NA	intron (N	AluSx1|SI	-75803	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr22-504	8.161431	0.842527	0.829844	1.015283	0.309971	0.981636	chr22	50465479	50467867	+	0	NA	exon (NM_	exon (NM_	8362	NM_002972	6305	Hs.589924	NM_002972	ENSG00000	SBF1	CMT4B3|DE	SET bindi	protein-coding
chr18-492	8.726432	0.815431	0.803483	1.01487	0.310168	0.981636	chr18	49257907	49258374	+	0	NA	intron (N	intron (N	202505	NM_001353	54808	Hs.162996	NM_017653	ENSG00000	DYM	DMC|SMC	dymeclin	protein-coding
chr18-162	146.6285	0.286875	0.282685	1.014823	0.31019	0.981636	chr18	16265918	16266195	+	0	NA	Intergeni	ALR/Alpha	-940137	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr1-1490	8.708866	0.808974	0.797233	1.014726	0.310236	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	52902	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr12-111	8.708866	0.808974	0.797233	1.014726	0.310236	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSz|SIN	39613	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr8-4731	8.708866	0.808974	0.797233	1.014726	0.310236	0.981636	chr8	47313540	47313742	+	0	NA	intron (N	L1PA4|LIN	52703	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr15-417	6.991241	0.904924	0.892134	1.014336	0.310422	0.981636	chr15	41766340	41766926	+	0	NA	exon (NM_	exon (NM_	-7851	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr15-714	6.991241	0.904924	0.892134	1.014336	0.310422	0.981636	chr15	71400590	71401899	+	0	NA	intron (N	intron (N	-145992	NM_001286	79875	Hs.387057	NM_024817	ENSG00000	THSD4	ADAMTSL-6	thrombosp	protein-coding
chr19-260	10.43435	0.744069	0.733615	1.014251	0.310463	0.981636	chr19	26033642	26033865	+	0	NA	Intergeni	ALR/Alpha	-1759678	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-400	8.194712	0.845067	0.833265	1.014163	0.310505	0.981636	chr17	40029333	40029895	+	0	NA	intron (N	intron (N	-1969	NR_102369	1.01E+08		NR_102369	ENSG00000	SNORD124	-	small nuc	snoRNA
chr19-101	8.194712	0.845067	0.833265	1.014163	0.310505	0.981636	chr19	10158509	10158734	+	0	NA	intron (N	intron (N	36332	NM_001318	1786	Hs.202672	NM_001379	ENSG00000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr7-1490	8.194712	0.845067	0.833265	1.014163	0.310505	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	4697	NR_163909								
chr10-100	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	26422	NM_003393	7479	Hs.421281	NM_003393	ENSG00000	WNT8B	-	Wnt famil	protein-coding
chr11-862	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr11	8622154	8622843	+	0	NA	intron (N	intron (N	-28270	NM_001289	65975	Hs.501833	NM_030906	ENSG00000	STK33	-	serine/th	protein-coding
chr12-113	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	7826	NM_001143	53373	Hs.524763	NM_017901	ENSG00000	TPCN1	TPC1	two pore	protein-coding
chr16-216	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr16	2167271	2168444	+	0	NA	intron (N	intron (N	12075	NM_032271	84231	Hs.713632	NM_032271	ENSG00000	TRAF7	CAFDADD|F	TNF recep	protein-coding
chr17-478	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr17	47817028	47818869	+	0	NA	intron (N	intron (N	3846	NM_145798	114881	Hs.463320	NM_017731	ENSG00000	OSBPL7	ORP7	oxysterol	protein-coding
chr4-2335	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr4	2335325	2335930	+	0	NA	intron (N	intron (N	29187	NM_001172	57732	Hs.292056	NM_020972	ENSG00000	ZFYVE28	LST2|LYST	zinc fing	protein-coding
chr5-1574	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	3' UTR (N	3' UTR (N	-20778	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr7-5869	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr7	58698599	58700039	+	0	NA	Intergeni	ALR/Alpha	1249142	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr9-8906	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr9	89063911	89065374	+	0	NA	intron (N	intron (N	73174	NM_005226	1903	Hs.585118	NM_005226	ENSG00000	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr9-1369	5.213061	1.040368	1.026163	1.013843	0.310658	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	20896	NR_039697	1.01E+08		NR_039697	ENSG00000	MIR4479	-	microRNA	ncRNA
chr4-5710	7.788701	-0.8959	0.883703	-1.0138	0.310677	0.981636	chr4	57100892	57101289	+	0	NA	intron (N	MIRc|SINE	-8672	NR_034081	255130	Hs.691061	NR_034081	ENSG00000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr14-347	4.213322	-1.19067	1.17482	-1.01349	0.310826	0.981636	chr14	34754092	34754714	+	0	NA	intron (N	AluJb|SIN	-39580	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr7-1286	10.49305	0.749991	0.740289	1.013105	0.31101	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	non-codir	non-codir	11297	NR_024368	402483	Hs.722350	NM_001039682		LINC0100	-	long inte	ncRNA
chr2-1444	8.375426	-0.82458	0.814083	-1.01289	0.311112	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	AluSx|SIN	-72688	NR_040248	1E+08	Hs.560789	NR_040248	ENSG00000	ZEB2-AS1	ZEB2-AS|Z	ZEB2 anti	ncRNA
chr3-7097	8.375426	-0.82458	0.814083	-1.01289	0.311112	0.981636	chr3	70974539	70975097	+	0	NA	intron (N	intron (N	90106	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr4-1688	8.375426	-0.82458	0.814083	-1.01289	0.311112	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	37260	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr7-1433	8.375426	-0.82458	0.814083	-1.01289	0.311112	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	12778	NM_001224	835	Hs.368982	NM_001224	ENSG00000	CASP2	CASP-2|IC	caspase 2	protein-coding
chr12-911	9.59064	-0.78349	0.773672	-1.01269	0.311209	0.981636	chr12	91176600	91177914	+	0	NA	intron (N	intron (N	1389	NM_133506	1634	Hs.156316	NM_001920	ENSG00000	DCN	CSCD|DSPG	decorin	protein-coding
chr19-941	12.68184	0.678375	0.669936	1.012596	0.311253	0.981636	chr19	9412168	9420477	+	0	NA	intron (N	intron (N	19251	NM_001370	10781	Hs.656185	NM_006631	ENSG00000	ZNF266	HZF1	zinc fing	protein-coding
chr9-2652	8.381434	-0.83694	0.826682	-1.0124	0.311345	0.981636	chr9	2652451	2653203	+	0	NA	exon (NM_	exon (NM_	-30454	NR_015375	401491	Hs.416043	NR_015375	ENSG00000	VLDLR-AS1	linc-VLDL	VLDLR ant	ncRNA
chr1-1921	8.716724	0.807028	0.797384	1.012095	0.311493	0.981636	chr1	19218421	19219423	+	0	NA	3' UTR (N	3' UTR (N	8536	NR_135115	1.02E+08	Hs.660534	NR_135114	ENSG00000	EMC1-AS1	-	EMC1 anti	ncRNA
chr1-2191	8.716724	0.807028	0.797384	1.012095	0.311493	0.981636	chr1	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	5411	NM_001300	127018	Hs.657617	NM_138794	ENSG00000	LYPLAL1	Q96AV0	lysophosp	protein-coding
chr11-113	8.716724	0.807028	0.797384	1.012095	0.311493	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	Tigger1|D	18101	NM_004724	9183	Hs.503886	NM_004724	ENSG00000	ZW10	HZW10|KNT	zw10 kine	protein-coding
chr19-369	8.716724	0.807028	0.797384	1.012095	0.311493	0.981636	chr19	36943280	36951074	+	0	NA	intron (N	AluSg|SIN	30845	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr20-559	8.716724	0.807028	0.797384	1.012095	0.311493	0.981636	chr20	5591449	5594859	+	0	NA	intron (N	intron (N	17852	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr10-146	8.342144	-0.82963	0.819726	-1.01209	0.311497	0.981636	chr10	14600394	14601150	+	0	NA	intron (N	AluJr|SIN	3629	NM_001282	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-118	8.342144	-0.82963	0.819726	-1.01209	0.311497	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-47361	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr18-687	4.007739	1.188752	1.175152	1.011572	0.311743	0.981636	chr18	6871202	6872058	+	0	NA	intron (N	intron (N	37145	NM_001010	79822	Hs.183114	NM_030672	ENSG00000	ARHGAP28	-	Rho GTPas	protein-coding
chr19-344	8.307013	-0.84609	0.836468	-1.0115	0.311776	0.981636	chr19	3443691	3443890	+	0	NA	intron (N	MER20|DNA	36735	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr1-9167	6.973675	0.897007	0.886838	1.011467	0.311793	0.981636	chr1	9167986	9169480	+	0	NA	intron (N	intron (N	-13471	NR_132738	1.03E+08	Hs.599298	NR_132738	ENSG00000	LNCTAM34A	GUARDIN|L	long non	ncRNA
chr17-383	6.973675	0.897007	0.886838	1.011467	0.311793	0.981636	chr17	38372863	38373717	+	0	NA	intron (N	Tigger2|D	21446	NM_014598	30837	Hs.514132	NM_014598	ENSG00000	SOCS7	NAP4|NCKA	suppresso	protein-coding
chr19-124	6.973675	0.897007	0.886838	1.011467	0.311793	0.981636	chr19	12470402	12470786	+	0	NA	intron (N	MER68|LTR	14222	NM_152601	163051	Hs.631623	NM_152601	ENSG00000	ZNF709	-	zinc fing	protein-coding
chr22-208	6.973675	0.897007	0.886838	1.011467	0.311793	0.981636	chr22	20882109	20882675	+	0	NA	intron (N	intron (N	23385	NM_004782	9342	Hs.108002	NM_004782	ENSG00000	SNAP29	CEDNIK|SN	synaptoso	protein-coding
chr8-3337	6.973675	0.897007	0.886838	1.011467	0.311793	0.981636	chr8	33371644	33372296	+	0	NA	3' UTR (N	3' UTR (N	101176	NM_032664	84750	Hs.458713	NM_032664	ENSG00000	FUT10	FUCTX	fucosyltr	protein-coding
chr2-3337	6.583195	-0.95739	0.946685	-1.01131	0.311869	0.981636	chr2	33377891	33378243	+	0	NA	intron (N	intron (N	-40449	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr4-1731	6.583195	-0.95739	0.946685	-1.01131	0.311869	0.981636	chr4	1731476	1732187	+	0	NA	intron (N	AluSz|SIN	10310	NM_006342	10460	Hs.104019	NM_006342	ENSG00000	TACC3	ERIC-1|ER	transform	protein-coding
chr2-9275	10.40107	0.741922	0.733905	1.010925	0.312052	0.981636	chr2	92755580	92755905	+	0	NA	Intergeni	ALR/Alpha	814609	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-3321	8.316721	-0.83628	0.827313	-1.01084	0.312092	0.981636	chr6	33211651	33212008	+	0	NA	exon (NM_	exon (NM_	3329	NM_002931	6015	Hs.631989	NM_002931	ENSG00000	RING1	RING1A|RN	ring fing	protein-coding
chr2-1327	6.608618	-0.94865	0.93858	-1.01072	0.312148	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-45711	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr7-4362	6.608618	-0.94865	0.93858	-1.01072	0.312148	0.981636	chr7	43627518	43628178	+	0	NA	TTS (NM_0	TTS (NM_0	44740	NM_004760	9263	Hs.709489	NM_004760	ENSG00000	STK17A	DRAK1	serine/th	protein-coding
chr16-743	6.965817	0.899481	0.890151	1.010481	0.312265	0.981636	chr16	74348182	74349038	+	0	NA	intron (N	AluJo|SIN	19645	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr20-348	6.965817	0.899481	0.890151	1.010481	0.312265	0.981636	chr20	34849706	34850342	+	0	NA	exon (NM_	exon (NM_	-15562	NR_002165	128872	Hs.558624	NR_002165		HMGB3P1	HMG4L|HMG	high mobi	pseudo
chr7-1513	6.965817	0.899481	0.890151	1.010481	0.312265	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	L1MC5a|LI	18698	NM_001363	51667	Hs.647082	NM_016118	ENSG00000	NUB1	BS4|NUB1L	negative	protein-coding
chrX-5185	6.965817	0.899481	0.890151	1.010481	0.312265	0.981636	chrX	51856592	51856962	+	0	NA	intron (N	intron (N	-36846	NM_006986	9500	Hs.5258	NM_006986	ENSG00000	MAGED1	DLXIN-1|M	MAGE fami	protein-coding
chr1-4344	5.955075	1.026541	1.015987	1.010388	0.312309	0.981636	chr1	43442199	43442414	+	0	NA	exon (NM_	exon (NM_	-6233	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr7-5598	5.955075	1.026541	1.015987	1.010388	0.312309	0.981636	chr7	55984011	55984251	+	0	NA	intron (N	intron (N	19546	NM_001483	2631	Hs.591069	NM_001483	ENSG00000	NIPSNAP2	GBAS	nipsnap h	protein-coding
chr8-1408	7.769285	-0.91838	0.909308	-1.00997	0.312508	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	122900	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr14-391	6.675182	-0.93524	0.926167	-1.0098	0.312592	0.981636	chr14	39118159	39118754	+	0	NA	intron (N	intron (N	4172	NM_003616	8487	Hs.652307	NM_003616	ENSG00000	GEMIN2	SIP1|SIP1	gem nucle	protein-coding
chr15-341	6.675182	-0.93524	0.926167	-1.0098	0.312592	0.981636	chr15	34199085	34199961	+	0	NA	intron (N	MamRep605	10573	NM_024713	79768	Hs.633566	NM_024713	ENSG00000	KATNBL1	C15orf29	katanin r	protein-coding
chr5-1682	5.334699	-1.07346	1.063227	-1.00962	0.312676	0.981636	chr5	16822184	16822557	+	0	NA	intron (N	intron (N	113918	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr17-477	6.484945	0.956676	0.94766	1.009514	0.312728	0.981636	chr17	47700779	47701406	+	0	NA	intron (N	intron (N	5828	NM_014726	9755	Hs.94790	NM_014726	ENSG00000	TBKBP1	ProSAPiP2	TBK1 binc	protein-coding
chr19-151	6.484945	0.956676	0.94766	1.009514	0.312728	0.981636	chr19	15180867	15183253	+	0	NA	intron (N	intron (N	-2710	NR_106853	1.02E+08		NR_106853	ENSG00000	MIR6795	hsa-mir-6	microRNA	ncRNA
chr5-3492	11.30845	-0.7205	0.714133	-1.00891	0.313017	0.981636	chr5	34925110	34926734	+	0	NA	TTS (NM_0	TTS (NM_0	-3637	NM_001012	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr1-1810	7.006957	0.899978	0.892272	1.008637	0.313149	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	17751	NM_005819	10228	Hs.518417	NM_005819	ENSG00000	STX6	-	syntaxin	protein-coding
chr10-102	5.197345	1.04712	1.038348	1.008448	0.313239	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	11162	NM_001178	51684	Hs.404089	NM_016169	ENSG00000	SUFU	JBTS32|PF	SUFU nega	protein-coding
chr21-443	5.197345	1.04712	1.038348	1.008448	0.313239	0.981636	chr21	44324559	44325562	+	0	NA	intron (N	intron (N	13278	NM_001271	755	Hs.517331	NM_004928	ENSG00000	CFAP410	C21orf2|L	cilia anc	protein-coding
chr9-1222	8.683442	0.804548	0.797905	1.008326	0.313298	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-17317	NM_001173	92399	Hs.368011	NM_138777	ENSG00000	MRRF	MRFF|MTRF	mitochonc	protein-coding
chr1-1837	5.246342	1.043936	1.035544	1.008104	0.313405	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	LOR1a|LTR	-40974	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr11-684	5.246342	1.043936	1.035544	1.008104	0.313405	0.981636	chr11	68413025	68415069	+	0	NA	intron (N	intron (N	-46705	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr4-5207	5.246342	1.043936	1.035544	1.008104	0.313405	0.981636	chr4	52072193	52073577	+	0	NA	intron (N	intron (N	21581	NM_001297	132671	Hs.527090	NM_145263	ENSG00000	SPATA18	Mieap|SPE	spermatog	protein-coding
chr7-1399	5.246342	1.043936	1.035544	1.008104	0.313405	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	97408	NM_022750	64761	Hs.12646	NM_022750	ENSG00000	PARP12	ARTD12|MS	poly(ADP-	protein-coding
chr19-265	137.0949	0.299192	0.296812	1.008019	0.313446	0.981636	chr19	26573574	26573773	+	0	NA	Intergeni	ALR/Alpha	-1219758	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-582	7.898253	-0.86814	0.861335	-1.0079	0.313503	0.981636	chr14	58277584	58278058	+	0	NA	intron (N	FAM|SINE|	-10212	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA
chr1-1024	6.42624	0.947783	0.940648	1.007586	0.313653	0.981636	chr1	1024393	1025014	+	0	NA	intron (N	intron (N	4583	NM_001305	375790	Hs.273330	NM_198576	ENSG00000	AGRN	AGRIN|CMS	agrin	protein-coding
chr17-399	6.42624	0.947783	0.940648	1.007586	0.313653	0.981636	chr17	39909314	39909918	+	0	NA	intron (N	intron (N	7924	NM_001369	55876	Hs.306777	NM_018530	ENSG00000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr10-403	19.89364	0.556039	0.552044	1.007237	0.313821	0.981636	chr10	40392563	40393316	+	0	NA	Intergeni	ALR/Alpha	1696343	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr13-272	3.974458	1.184344	1.176139	1.006976	0.313946	0.981636	chr13	27232336	27233206	+	0	NA	Intergeni	L1MB8|LIN	4486	NR_120429	1.03E+08	Hs.133166	NR_120429		LINC00412	-	long inte	ncRNA
chr9-1048	3.974458	1.184344	1.176139	1.006976	0.313946	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	50272	NM_005502	19	Hs.659274	NM_005502	ENSG00000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr17-850	8.750006	0.809528	0.803943	1.006946	0.31396	0.981636	chr17	8509323	8509633	+	0	NA	intron (N	intron (N	73594	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr15-587	8.367568	-0.82312	0.817539	-1.00683	0.314017	0.981636	chr15	58792178	58792712	+	0	NA	intron (N	AluSg|SIN	21143	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr17-812	8.367568	-0.82312	0.817539	-1.00683	0.314017	0.981636	chr17	812736	813550	+	0	NA	intron (N	intron (N	30790	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochonc	protein-coding
chr2-1359	8.367568	-0.82312	0.817539	-1.00683	0.314017	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	L1PA5|LIN	-42664	NR_110200	1.02E+08	Hs.602178	NR_110199	ENSG00000	DARS-AS1	-	DARS anti	ncRNA
chr5-8662	8.367568	-0.82312	0.817539	-1.00683	0.314017	0.981636	chr5	86620238	86620999	+	0	NA	TTS (NR_1	TTS (NR_1	112	NR_145802	1.1E+08		NR_037402		SNORD138	MIR3607|m	small nuc	snoRNA
chr9-1311	8.367568	-0.82312	0.817539	-1.00683	0.314017	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MIR|SINE|	6359	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr17-171	5.444252	-1.03203	1.025804	-1.00606	0.314384	0.981636	chr17	17141035	17141332	+	0	NA	intron (N	intron (N	65150	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr19-199	5.444252	-1.03203	1.025804	-1.00606	0.314384	0.981636	chr19	19921415	19922040	+	0	NA	intron (N	L1PA5|LIN	20781	NM_031218	81931	Hs.301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr1-2065	10.40893	0.740277	0.735825	1.006051	0.314391	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	15286	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr11-108	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	TTS (NM_0	TTS (NM_0	6705	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr15-929	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr15	92972985	92973265	+	0	NA	intron (N	intron (N	68726	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr19-565	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr19	56512963	56524725	+	0	NA	intron (N	intron (N	10989	NM_001321	57573	Hs.230188	NM_020813	ENSG00000	ZNF471	ERP1|Z197	zinc fing	protein-coding
chr21-323	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr21	32383100	32383410	+	0	NA	intron (N	intron (N	-5933	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr21-463	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr21	46358768	46359129	+	0	NA	intron (N	AluY|SINE	34281	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr6-3091	8.6913	0.8026	0.798055	1.005694	0.314563	0.981636	chr6	30910446	30911017	+	0	NA	exon (NM_	exon (NM_	2524	NM_001517	2968	Hs.485070	NM_001517	ENSG00000	GTF2H4	P52|TFB2|	general t	protein-coding
chr14-999	7.12693	-0.88603	0.88116	-1.00552	0.314645	0.981636	chr14	99920806	99921265	+	0	NA	intron (N	L1PA11|LI	-50387	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr3-1442	7.12693	-0.88603	0.88116	-1.00552	0.314645	0.981636	chr3	14421792	14422110	+	0	NA	intron (N	intron (N	19345	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr11-529	54.47665	0.380014	0.378046	1.005206	0.314798	0.981636	chr11	52908010	52908255	+	0	NA	Intergeni	ALR/Alpha	1695866	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-2024	8.675585	0.806506	0.802437	1.005072	0.314862	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-23625	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr1-4297	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr1	42977614	42978016	+	0	NA	intron (N	L1PA11|LI	18766	NR_033967	440584	Hs.260928	NR_033967	ENSG00000	SLC2A1-AS	-	SLC2A1 ar	ncRNA
chr10-425	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr10	42522803	42525242	+	0	NA	intron (N	intron (N	28848	NR_026777	1E+08	Hs.278064	NR_026777	ENSG00000	ZNF37BP	KOX21|ZNF	zinc fing	pseudo
chr10-693	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr10	69399023	69399222	+	0	NA	intron (N	G-rich|Lo	17796	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr14-739	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr14	73969136	73969946	+	0	NA	intron (N	AluSq2|SI	19239	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr17-323	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr17	32337440	32338242	+	0	NA	intron (N	AluSx3|SI	4332	NM_022344	64149	Hs.655257	NM_022344	ENSG00000	C17orf75	NJMU-R1|S	chromosom	protein-coding
chr19-450	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr19	45034795	45035451	+	0	NA	intron (N	AluSx|SIN	-3922	NM_007056	11129	Hs.466917	NM_007056	ENSG00000	CLASRP	CLASP|SFR	CLK4 asso	protein-coding
chr3-4874	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr3	48748242	48749001	+	0	NA	3' UTR (N	3' UTR (N	-31343	NM_001146	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr6-3054	6.981533	0.894551	0.890287	1.004789	0.314998	0.981636	chr6	30546353	30547465	+	0	NA	intron (N	intron (N	-9800	NM_025263	80742	Hs.118354	NM_025263	ENSG00000	PRR3	CAT56	proline r	protein-coding
chr15-586	8.408708	-0.81951	0.816025	-1.00427	0.315248	0.981636	chr15	58625457	58627435	+	0	NA	intron (N	L2c|LINE|	67161	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-749	8.408708	-0.81951	0.816025	-1.00427	0.315248	0.981636	chr15	74919239	74919759	+	0	NA	TTS (NM_0	TTS (NM_0	-12605	NR_135842	57184	Hs.367690	NM_020447	ENSG00000	FAM219B	C15orf17	family wi	protein-coding
chr3-2396	8.408708	-0.81951	0.816025	-1.00427	0.315248	0.981636	chr3	23962396	23962942	+	0	NA	intron (N	intron (N	16548	NM_001145	9975	Hs.37288	NM_005126	ENSG00000	NR1D2	BD73|EAR-	nuclear r	protein-coding
chr1-1602	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-17906	NR_147618	1E+08	Hs.657648	NR_147618	ENSG00000	LOC100287	-	uncharact	ncRNA
chr1-2415	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	MLT1A0|LT	8686	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr12-109	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	5439	NM_003362	7374	Hs.191334	NM_003362	ENSG00000	UNG	DGU|HIGM4	uracil DN	protein-coding
chr16-900	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr16	90039571	90040578	+	0	NA	non-codir	non-codir	7551	NR_027335	1E+08	Hs.431792	NR_027335	ENSG00000	URAHP	URAH	urate (hy	pseudo
chr17-180	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr17	18063688	18064261	+	0	NA	intron (N	AluSq10|S	-23974	NM_001388	1819	Hs.78582	NM_001388	ENSG00000	DRG2	-	developme	protein-coding
chr18-620	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr18	62098958	62099501	+	0	NA	intron (N	L1M5|LINE	87827	NM_012327	23556	Hs.157031	NM_012327	ENSG00000	PIGN	MCAHS|MCA	phosphati	protein-coding

chr2-1619	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	74002	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr3-1842	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	non-codin	non-codin	2565	NR_030410	1E+08		NR_030410	ENSG00000	MIR1224	MIRN1224|	microRNA	ncRNA
chr7-1299	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSp|SIN	22774	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr9-1163	6.948252	0.891605	0.888095	1.003952	0.315402	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	54260	NR_103711	493913	Hs.728832	NR_103711	ENSG00000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr13-786	7.134788	-0.88773	0.884297	-1.00388	0.315436	0.981636	chr13	78640483	78640686	+	0	NA	intron (N	AluSx1|SI	18571	NM_024546	79596	Hs.567576	NM_024546	ENSG00000	OBI1	C13orf7|F	ORC ubiqu	protein-coding
chr2-1935	7.134788	-0.88773	0.884297	-1.00388	0.315436	0.981636	chr2	19356337	19357352	+	0	NA	intron (N	CpG	1779	NM_145260	130497	Hs.123933	NM_145260	ENSG00000	OSR1	ODD	odd-skipp	protein-coding
chr6-2814	7.134788	-0.88773	0.884297	-1.00388	0.315436	0.981636	chr6	28144196	28144613	+	0	NA	5’ UTR (N	5’ UTR (N	2193	NM_001278	7745	Hs.57679	NM_006298	ENSG00000	ZKSCAN8	LD5-1|ZNF	zinc fing	protein-coding
chr10-111	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr10	1110775	1111038	+	0	NA	intron (N	intron (N	-48862	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr12-296	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr12	29600656	29600955	+	0	NA	intron (N	intron (N	-101112	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr12-577	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr12	57775586	57775985	+	0	NA	intron (N	L2c|LINE|	3171	NM_015433	25895	Hs.632720	NM_015433	ENSG00000	EEF1AKMT3	FAM119B|M	EEF1A lys	protein-coding
chr14-594	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr14	59457898	59458902	+	0	NA	Intergeni	L1M4b|LIN	6980	NM_022571	64582	Hs.647573	NM_022571	ENSG00000	GPR135	HUMNPIIY2	G protein	protein-coding
chr17-784	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr17	78412767	78413151	+	0	NA	intron (N	intron (N	34310	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr19-975	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr19	9756504	9756899	+	0	NA	TTS (NM_0	TTS (NM_0	12037	NM_001077	162993	Hs.665717	NM_001077	ENSG00000	ZNF846	-	zinc fing	protein-coding
chr2-2022	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	TTS (NR_0	TTS (NR_0	118	NR_003058	692110		NR_003058	ENSG00000	SNORD70	HBII-234|	small nuc	snoRNA
chr21-414	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr21	41449234	41450223	+	0	NA	intron (N	MER21C|LT	17678	NM_001282	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr5-1714	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	Intergeni	Intergeni	-6331	NM_003862	8817	Hs.87191	NM_003862	ENSG00000	FGF18	FGF-18|ZF	fibroblas	protein-coding
chr6-4108	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr6	41085818	41086252	+	0	NA	intron (N	intron (N	11752	NM_001329	221443	Hs.227457	NM_145063	ENSG00000	OARD1	C6orf130|	O-acyl-AD	protein-coding
chr7-1549	7.119072	-0.88437	0.881032	-1.00379	0.315482	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	non-codin	non-codin	18178	NR_024476	1E+08	Hs.586358	NR_024476	ENSG00000	PAXIP1-AS	PAXIP1OS	PAXIP1 an	ncRNA
chr12-429	3.443848	-1.27374	1.269107	-1.00365	0.315549	0.981636	chr12	429722	430194	+	0	NA	intron (N	intron (N	28314	NM_001130	84318	Hs.631656	NM_032358	ENSG00000	CCDC77	-	coiled-co	protein-coding
chr19-329	3.443848	-1.27374	1.269107	-1.00365	0.315549	0.981636	chr19	32969138	32970120	+	0	NA	intron (N	MER52C|LT	2329	NM_032816	84902	Hs.599703	NM_032816	ENSG00000	CEP89	CCDC123|C	centrosom	protein-coding
chr1-2124	8.724582	0.80507	0.802217	1.003556	0.315593	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	MIRb|SINE	6687	NM_018252	55248	Hs.445386	NM_018252	ENSG00000	PACC1	C1orf75|F	proton ac	protein-coding
chr14-226	8.724582	0.80507	0.802217	1.003556	0.315593	0.981636	chr14	22608196	22611726	+	0	NA	intron (N	intron (N	11723	NM_022060	63874	Hs.445665	NM_022060	ENSG00000	ABHD4	ABH4	abhydrola	protein-coding
chr7-5225	8.724582	0.80507	0.802217	1.003556	0.315593	0.981636	chr7	5225161	5231415	+	0	NA	intron (N	CpG	14019	NM_001033	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr19-106	10.04239	-0.75731	0.754787	-1.00334	0.315695	0.981636	chr19	10673512	10674122	+	0	NA	intron (N	AluSx1|SI	19471	NM_004516	3609	Hs.465885	NM_004516	ENSG00000	ILF3	CBTF|DRBF	interleuk	protein-coding
chr10-124	8.334286	-0.82821	0.825719	-1.00302	0.315852	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	16181	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr16-188	8.334286	-0.82821	0.825719	-1.00302	0.315852	0.981636	chr16	18863027	18863458	+	0	NA	intron (N	intron (N	-61693	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr6-1766	8.334286	-0.82821	0.825719	-1.00302	0.315852	0.981636	chr6	17664800	17665465	+	0	NA	intron (N	intron (N	-40998	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr17-362	6.940394	0.894061	0.891418	1.002965	0.315878	0.981636	chr17	3620147	3620851	+	0	NA	intron (N	AluY|SINE	-11088	NM_080704	7442	Hs.579217	NM_018727	ENSG00000	TRPV1	VR1	transient	protein-coding
chr19-369	6.940394	0.894061	0.891418	1.002965	0.315878	0.981636	chr19	3690706	3691211	+	0	NA	intron (N	intron (N	9510	NM_001300	23396	Hs.282177	NM_012398	ENSG00000	PIP5K1C	LCCS3|PIP	phosphati	protein-coding
chr2-2178	6.940394	0.894061	0.891418	1.002965	0.315878	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	20108	NR_106867	1.02E+08		NR_106867	ENSG00000	MIR6809	hsa-mir-6	microRNA	ncRNA
chr16-293	5.179779	1.036659	1.033601	1.002959	0.315881	0.981636	chr16	29370600	29370879	+	0	NA	Intergeni	Intergeni	33806	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr7-1041	5.179779	1.036659	1.033601	1.002959	0.315881	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	MSTD|LTR|	10078	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr7-1487	4.205464	-1.18759	1.1846	-1.00252	0.316092	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1MC5|LIN	75798	NM_001370	8454	Hs.146806	NM_003592	ENSG00000	CUL1	-	cullin 1	protein-coding
chr14-556	8.69315	0.813031	0.811346	1.002077	0.316306	0.981636	chr14	55650203	55650508	+	0	NA	exon (NM_	exon (NM_	70148	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr6-1309	8.308863	-0.83492	0.833364	-1.00187	0.316408	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	69778	NM_001350	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr5-4951	17.63829	0.579571	0.578525	1.001809	0.316436	0.981636	chr5	49511806	49513161	+	0	NA	Intergeni	ALR/Alpha	928805	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-271	156.3824	0.285072	0.284561	1.001796	0.316442	0.981636	chr19	27146759	27146987	+	0	NA	Intergeni	ALR/Alpha	-646558	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-815	8.40085	-0.81806	0.817061	-1.00122	0.31672	0.981636	chr14	81513198	81513458	+	0	NA	intron (N	LTR12|LTR	20525	NM_005065	6400	Hs.181300	NM_005065	ENSG00000	SEL1L	Hrd3|PRO1	SEL1L ada	protein-coding
chr3-4767	8.40085	-0.81806	0.817061	-1.00122	0.31672	0.981636	chr3	47672576	47672776	+	0	NA	intron (N	intron (N	-10982	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr2-2308	7.109365	-0.89567	0.894618	-1.00117	0.316743	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L1PA6|LIN	-59298	NM_001287	81618	Hs.111577	NM_030926	ENSG00000	ITM2C	BRI3|BRIC	integral	protein-coding
chr19-258	17.1417	0.592582	0.591974	1.001028	0.316813	0.981636	chr19	25837936	25839035	+	0	NA	Intergeni	ALR/Alpha	-1675038	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-3996	7.093649	-0.89222	0.891316	-1.00102	0.316818	0.981636	chr7	39961906	39962400	+	0	NA	intron (N	L1PA4|LIN	11793	NM_031267	8621	Hs.233552	NM_003718	ENSG00000	CDK13	CDC2L|CDC	cyclin de	protein-coding
chr10-793	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr10	79309686	79310307	+	0	NA	intron (N	intron (N	-37473	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr13-727	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr13	72705373	72705841	+	0	NA	Intergeni	L1PA5|LIN	22022	NM_001071	440145	Hs.28465	NM_001071	ENSG00000	MZT1	C13orf37|	mitotic s	protein-coding
chr13-952	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr13	95234660	95235271	+	0	NA	intron (N	AluJr|SIN	24621	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr19-521	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr19	52192987	52193966	+	0	NA	intron (N	L2a|LINE|	3424	NM_014225	5518	Hs.467192	NM_014225	ENSG00000	PPP2R1A	MRD36|PP2	protein p	protein-coding
chr2-2033	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	27812	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr20-146	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr20	1463681	1464380	+	0	NA	intron (N	intron (N	3662	NM_018839	55968	Hs.12865	NM_016143	ENSG00000	NSFL1C	P47|UBX1|	NSFL1 cof	protein-coding
chr7-6176	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr7	6176851	6177777	+	0	NA	intron (N	intron (N	-5177	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr9-6477	7.152354	-0.8784	0.878009	-1.00045	0.317093	0.981636	chr9	6477382	6478232	+	0	NA	non-codin	non-codin	64608	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr19-161	10.37564	0.738096	0.738045	1.00007	0.317277	0.981636	chr19	1611323	1611751	+	0	NA	3’ UTR (N	3’ UTR (N	-6075	NM_006830	10975	Hs.8372	NM_006830	ENSG00000	UQCR11	0710008D0	ubiquinol	protein-coding
chr1-1739	5.187637	1.033259	1.033473	0.999793	0.317411	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	Intergeni	Intergeni	-3249	NM_172071	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-3175	6.459521	0.950697	0.951066	0.999612	0.317498	0.981636	chr1	31756076	31757008	+	0	NA	exon (NM_	exon (NM_	2193	NR_036216	1E+08		NR_036216	ENSG00000	MIR4254	-	microRNA	ncRNA
chr15-898	6.459521	0.950697	0.951066	0.999612	0.317498	0.981636	chr15	89867391	89867610	+	0	NA	intron (N	SVA_F|Ret	16530	NR_049807	1.01E+08		NR_049807	ENSG00000	MIR5009	-	microRNA	ncRNA
chr19-964	6.459521	0.950697	0.951066	0.999612	0.317498	0.981636	chr19	9641300	9641882	+	0	NA	TTS (NM_0	TTS (NM_0	20109	NR_122038	284385	Hs.651747	NM_001242	ENSG00000	ZNF561-AS	C19orf82	ZNF561 an	ncRNA
chr20-622	6.459521	0.950697	0.951066	0.999612	0.317498	0.981636	chr20	62269129	62269651	+	0	NA	intron (N	L1MC5|LIN	30869	NM_001363	9885	Hs.473254	NM_014835	ENSG00000	OSBPL2	DFNA67|DN	oxysterol	protein-coding
chr19-434	5.220919	1.036845	1.037974	0.998912	0.317837	0.981636	chr19	43485967	43486911	+	0	NA	intron (N	MSR1|Sate	18394	NM_198850	653583	Hs.631581	NM_198850	ENSG00000	PHLDB3	-	pleckstri	protein-coding
chr16-151	8.658019	0.800095	0.801003	0.998866	0.317859	0.981636	chr16	15132504	15133682	+	0	NA	TTS (NR_1	TTS (NR_1	1052	NR_106965	1.02E+08		NR_106965	ENSG00000	MIR6511B2	MIR6511B-	microRNA	ncRNA
chr5-1543	8.658019	0.800095	0.801003	0.998866	0.317859	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	36576	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr11-126	7.142646	-0.88949	0.890541	-0.99882	0.317883	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	L1ME3G|LI	2750	NM_032795	84881	Hs.150458	NM_032795	ENSG00000	RPUSD4	-	RNA pseud	protein-coding
chr12-111	7.160212	-0.88005	0.881133	-0.99878	0.317903	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJb|SIN	14284	NM_005475	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr1-3218	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr1	32180871	32183323	+	0	NA	intron (N	MER102b|D	2422	NM_175852	200081	Hs.17987	NM_175852	ENSG00000	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr10-878	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr10	87878213	87880219	+	0	NA	intron (N	intron (N	15591	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr12-502	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr12	50216672	50220457	+	0	NA	intron (N	intron (N	4094	NM_001113	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr16-302	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr16	30201004	30201684	+	0	NA	intron (N	AluJr|SIN	2116	NM_177552	6818	Hs.460558	NM_003166	ENSG00000	SULT1A3	HAST|HAST	sulfotran	protein-coding
chr17-511	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr17	51198404	51199723	+	0	NA	intron (N	AluSz|SIN	32341	NM_001018	4831	Hs.463456	NM_002512	ENSG00000	NME2	NDKB|NDPK	NME/NM23	protein-coding
chr3-2827	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr3	28271095	28271465	+	0	NA	intron (N	AluSz|SIN	29661	NR_138585	152100	Hs.444724	NM_182523	ENSG00000	CMC1	C3orf68	C-X9-C mo	protein-coding
chr3-1248	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	15376	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr3-1314	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	5370	NM_007208	11222	Hs.205163	NM_007208	ENSG00000	MRPL3	COXPD9|MR	mitochond	protein-coding
chr5-1681	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr5	16813490	16817459	+	0	NA	intron (N	intron (N	120814	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr7-7425	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr7	74250515	74251617	+	0	NA	intron (N	AluSq2|SI	3333	NM_181471	5982	Hs.647062	NM_002914	ENSG00000	RFC2	RFC40	replicati	protein-coding
chr8-1023	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	47612	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|E	ubiquitin	protein-coding
chr9-1150	7.144496	-0.87675	0.87788	-0.99872	0.317932	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	-91420	NM_001244	944	Hs.494901	NM_001244	ENSG00000	TNFSF8	CD153|CD3	TNF super	protein-coding
chr1-2015	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	4187	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr11-129	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr11	12909518	12909887	+	0	NA	intron (N	Kanga11a|	79846	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr14-346	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr14	34619850	34620232	+	0	NA	intron (N	L2c|LINE|	10107	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting n	protein-coding
chr19-398	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr19	39828123	39828483	+	0	NA	exon (NM_	exon (NM_	1499	NR_106777	1.02E+08		NR_106777	ENSG00000	MIR6719	hsa-mir-6	microRNA	ncRNA
chr3-1604	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	17073	NM_173084	286827	Hs.212957	NM_173084	ENSG00000	TRIM59	IFT80L|MR	tripartit	protein-coding
chr8-1197	7.111214	-0.88273	0.883916	-0.99866	0.317959	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	51813	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MR	TATA-box	protein-coding
chr10-318	6.667324	-0.9332	0.934582	-0.99852	0.318025	0.981636	chr10	318157	318731	+	0	NA	intron (N	intron (N	138450	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr7-8176	6.667324	-0.9332	0.934582	-0.99852	0.318025	0.981636	chr7	81768487	81769249	+	0	NA	intron (N	intron (N	1179	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr19-122	13.18629	0.656061	0.657179	0.998299	0.318134	0.981636	chr19	12269258	12277142	+	0	NA	exon (NM_	exon (NM_	21412	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KC	zinc fing	protein-coding
chr18-701	3.43599	-1.27055	1.2734	-0.99776	0.318395	0.981636	chr18	70186642	70187887	+	0	NA	intron (N	L1MC5a|LI	18423	NM_001318	25914	Hs.654809	NM_173630	ENSG00000	RTTN	MSSP	rotatin	protein-coding
chr21-451	3.43599	-1.27055	1.2734	-0.99776	0.318395	0.981636	chr21	45119402	45120753	+	0	NA	intron (N	Charlie20	-32453	NM_001346	104	Hs.474018	NM_001112	ENSG00000	ADARB1	ADAR2|DRA	adenosine	protein-coding
chr5-9051	3.43599	-1.27055	1.2734	-0.99776	0.318395	0.981636	chr5	90516368	90517247	+	0	NA	3’ UTR (N	3’ UTR (N	12777	NM_198273	116068	Hs.136235	NM_198273	ENSG00000	LYSMD3	-	LysM doma	protein-coding
chr5-1721	3.43599	-1.27055	1.2734	-0.99776	0.318395	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	87805	NM_005990	6793	Hs.744005	NM_005990	ENSG00000	STK10	LOK|PRO27	serine/th	protein-coding
chr8-1755	3.43599	-1.27055	1.2734	-0.99776	0.318395	0.981636	chr8	17556786	17559238	+	0	NA	intron (N	intron (N	-18421	NM_006207	5157	Hs.458573	NM_006207	ENSG00000	PDGFRL	PDGRL|PRL	platelet	protein-coding
chr10-113	8.35971	-0.82163	0.823514	-0.99771	0.318418	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	53861	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr2-7487	8.35971	-0.82163	0.823514	-0.99771	0.318418	0.981636	chr2	74872805	74873065	+	0	NA	intron (N	Tigger3a|	-36196	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr7-8175	10.08538	-0.74526	0.746987	-0.99769	0.318429	0.981636	chr7	81750340	81766223	+	0	NA	intron (N	intron (N	11766	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr19-573	10.9388	0.713859	0.715731	0.997384	0.318578	0.981636	chr19	57371392	57378944	+	0	NA	intron (N	AluSx1|SI	11617	NM_001355	10597	Hs.446620	NM_001355	ENSG00000	TRAPPC2B	MIP-2A|SE	trafficki	protein-coding
chr6-5934	10.9388	0.713859	0.715731	0.997384	0.318578	0.981636	chr6	59342877	59344383	+	0	NA	Intergeni	ALR/Alpha	-1382184	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1476	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	63820	NM_001323	51205	Hs.562154	NM_016361	ENSG00000	ACP6	ACPL1|LPA	acid phos	protein-coding
chr1-2078	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-5438	NR_029518	407025		NR_029518	ENSG00000	MIR29B2	MIRN29B2	microRNA	ncRNA
chr12-191	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr12	19147693	19147892	+	0	NA	intron (N	AluJo|SIN	18059	NM_001256	54477	Hs.188614	NM_019012	ENSG00000	PLEKHA5	PEPP-2|PE	pleckstri	protein-coding
chr12-437	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr12	43770705	43771546	+	0	NA	intron (N	MSTD|LTR|	12181	NM_001145	51135	Hs.138499	NM_016123	ENSG00000	IRAK4	IPD1|IRAK	interleuk	protein-coding
chr15-412	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr15	41270444	41272740	+	0	NA	intron (N	intron (N	-12398	NR_152822	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr15-653	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr15	65389035	65391830	+	0	NA	intron (N	MIRc|SINE	-12430	NM_004884	9543	Hs.128292	NM_004884	ENSG00000	IGDCC3	HsT18880|	immunoglo	protein-coding
chr16-472	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr16	4725469	4727403	+	0	NA	intron (N	intron (N	7835	NM_001308	124401	Hs.654859	NM_133450	ENSG00000	ANKS3	-	ankyrin r	protein-coding
chr19-374	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr19	37415557	37417439	+	0	NA	intron (N	MER2|DNA|	45399	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr19-552	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr19	55241963	55245566	+	0	NA	intron (N	AluJo|SIN	1486	NR_106861	1.02E+08		NR_106861	ENSG00000	MIR6803	hsa-mir-6	microRNA	ncRNA
chr2-6148	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr2	61486582	61487193	+	0	NA	intron (N	FLAM_C|SI	-15800	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr2-1495	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSq2|SI	-2424	NR_110240	1.02E+08	Hs.5324	NR_110240	ENSG00000	LOC101929	-	uncharact	ncRNA
chr21-428	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr21	42851346	42852645	+	0	NA	intron (N	intron (N	27280	NM_001260	10785	Hs.248815	NM_018669	ENSG00000	WDR4	GAMOS6|MI	WD repeat	protein-coding
chr7-7369	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr7	73692346	73693736	+	0	NA	intron (N	intron (N	9444	NR_045512	114049	Hs.647063	NM_017528	ENSG00000	BUD23	HASJ4442|	BUD23 rRN	protein-coding
chr7-7460	6.95611	0.889119	0.891553	0.99727	0.318634	0.981636	chr7	74601158	74601579	+	0	NA	intron (N	intron (N	5400	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr1-1201	8.699158	0.800609	0.802895	0.997152	0.318691	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	944	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr17-814	8.699158	0.800609	0.802895	0.997152	0.318691	0.981636	chr17	8145706	8147555	+	0	NA	exon (NM_	exon (NM_	-1559	NR_106943	1.02E+08		NR_106943	ENSG00000	MIR6883	hsa-mir-6	microRNA	ncRNA
chr2-2034	8.699158	0.800609	0.802895	0.997152	0.318691	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	75992	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr8-1448	8.699158	0.800609	0.802895	0.997152	0.318691	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-22980	NM_001081	28991	Hs.493218	NM_014066	ENSG00000	COMMD5	HCARG|HTC	COMM doma	protein-coding
chr9-1248	8.699158	0.800609	0.802895	0.997152	0.318691	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	26932	NM_030978	81873	Hs.132499	NM_030978	ENSG00000	ARPC5L	ARC16-2	actin rel	protein-coding
chr10-403	10.41678	0.73857	0.7413	0.996317	0.319096	0.981636	chr10	40378442	40379131	+	0	NA	Intergeni	ALR/Alpha	1682190	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr12-638	7.085791	-0.89061	0.894243	-0.99593	0.319282	0.981636	chr12	63867082	63867281	+	0	NA	intron (N	Charlie10	22481	NM_001346	57522	Hs.210751	NM_020762	ENSG00000	SRGAP1	ARHGAP13|	SLIT-ROBO	protein-coding
chr2-9385	7.085791	-0.89061	0.894243	-0.99593	0.319282	0.981636	chr2	9385007	9385266	+	0	NA	intron (N	intron (N	37455	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr5-3357	7.085791	-0.89061	0.894243	-0.99593	0.319282	0.981636	chr5	33576271	33576470	+	0	NA	exon (NM_	exon (NM_	135594	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr7-1285	7.085791	-0.89061	0.894243	-0.99593	0.319282	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJb|SIN	-61975	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr9-3792	7.085791	-0.89061	0.894243	-0.99593	0.319282	0.981636	chr9	37921937	37922136	+	0	NA	intron (N	intron (N	-17683	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr1-1553	10.47549	0.744498	0.74805	0.995253	0.319613	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluJb|SIN	-13341	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-2271	8.392992	-0.81655	0.82053	-0.99515	0.319661	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	119416	NM_001366	8476	Hs.35433	NM_003607	ENSG00000	CDC42BPA	MRCK|MRCK	CDC42 bin	protein-coding
chr3-1111	8.392992	-0.81655	0.82053	-0.99515	0.319661	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	62534	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr17-508	5.436394	-1.02958	1.034809	-0.99495	0.319762	0.981636	chr17	50861321	50861973	+	0	NA	TTS (NM_0	TTS (NM_0	4707	NM_001243	10140	Hs.703321	NM_005749	ENSG00000	TOB1	APRO5|APR	transduce	protein-coding
chr2-1200	5.436394	-1.02958	1.034809	-0.99495	0.319762	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA7|LIN	11864	NM_001330	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr13-306	10.11866	-0.74116	0.744927	-0.99494	0.319765	0.981636	chr13	30655049	30655286	+	0	NA	intron (N	AluSp|SIN	20952	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding

chr1-2024	10.97208	0.715942	0.719743	0.994719	0.319873	0.981636	chr1	2.02E+08	2.02E+08	+		0	NA	intron (N	intron (N	33358	NM_032103	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr1-1229	20.43137	0.546151	0.549159	0.994522	0.319969	0.981636	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1393985	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-8351	9.886914	0.767476	0.77175	0.994461	0.319998	0.981636	chr5	83519500	83519744	+		0	NA	exon (NM_	exon (NM_	42692	NR_136215	1.05E+08	Hs.643801	NR_136215	ENSG00000	VCAN-AS1	-	VCAN anti	ncRNA
chr3-1307	6.932536	0.896579	0.901969	0.994025	0.320211	0.981636	chr3	1.31E+08	1.31E+08	+		0	NA	exon (NM_	exon (NM_	39816	NM_014602	30849	Hs.149032	NM_014602	ENSG00000	PIK3R4	VPS15|p15	phosphoir	protein-coding
chr12-798	15.28966	-0.61266	0.616486	-0.99379	0.320326	0.981636	chr12	79807109	79810361	+		0	NA	intron (N	intron (N	105176	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr12-115	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr12	1.16E+08	1.16E+08	+		0	NA	3’ UTR (N	3’ UTR (N	188541	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr15-603	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr15	60380279	60381130	+		0	NA	intron (N	AluSp|SIN	17282	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr17-631	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr17	631215	631414	+		0	NA	intron (N	intron (N	83525	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-281	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr17	28122440	28124272	+		0	NA	intron (N	intron (N	80679	NM_016231	51701	Hs.208759	NM_016231	ENSG00000	NLK	-	nemo like	protein-coding
chr20-508	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr20	50889182	50889653	+		0	NA	3’ UTR (N	3’ UTR (N	20374	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr3-1111	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr3	1.11E+08	1.11E+08	+		0	NA	exon (NM_	exon (NM_	54423	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-7713	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr4	771301	771725	+		0	NA	TTS (NM_C	TTS (NM_C	10335	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr4-1218	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr4	1.22E+08	1.22E+08	+		0	NA	exon (NM_	exon (NM_	7047	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr6-1508	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr6	1.51E+08	1.51E+08	+		0	NA	intron (N	intron (N	26215	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-1556	7.136638	-0.87508	0.880749	-0.99357	0.320434	0.981636	chr7	1.56E+08	1.56E+08	+		0	NA	intron (N	L1PA5|LIN	42172	NM_053043	155435	Hs.591815	NM_053043	ENSG00000	RBM33	PRR8	RNA bindi	protein-coding
chr16-887	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr16	88737584	88738835	+		0	NA	non-codin	non-codin	-4558	NR_120387	339059	Hs.449817	NR_120387	ENSG00000	LOC339059	-	uncharact	ncRNA
chr17-357	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr17	35714322	35715486	+		0	NA	intron (N	intron (N	-16735	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr19-323	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr19	32347877	32348946	+		0	NA	intron (N	intron (N	2801	NM_014910	22847	Hs.205392	NM_014910	ENSG00000	ZNF507	-	zinc fing	protein-coding
chr2-3644	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr2	36448582	36449080	+		0	NA	intron (N	intron (N	93053	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr20-136	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr20	1367226	1368381	+		0	NA	intron (N	L1ME2z|LI	25158	NR_106929	1.02E+08		NR_106929	ENSG00000	MIR6869	hsa-mir-6	microRNA	ncRNA
chr3-1883	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr3	1.88E+08	1.88E+08	+		0	NA	intron (N	L1M5|LINE	87769	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr6-1445	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr6	1.45E+08	1.45E+08	+		0	NA	intron (N	intron (N	109828	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr7-6469	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr7	64693750	64694196	+		0	NA	intron (N	AluSq|SIN	14909	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr9-7831	5.888142	-0.96092	0.967465	-0.99324	0.320594	0.981636	chr9	78317540	78318809	+		0	NA	intron (N	intron (N	21049	NM_021154	29968	Hs.494261	NM_021154	ENSG00000	PSAT1	EPIP|NLS2	phosphose	protein-coding
chr10-793	5.896	-0.96292	0.969481	-0.99324	0.320595	0.981636	chr10	79355800	79356404	+		0	NA	TTS (NM_C	TTS (NM_C	8633	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr16-138	4.041021	1.19326	1.201572	0.993083	0.32067	0.981636	chr16	1389883	1390381	+		0	NA	intron (N	AluSx3|SI	-10480	NR_163466	64718	Hs.643536	NM_001037	ENSG00000	UNKL	C16orf28|	unk like	protein-coding
chr19-334	3.949034	1.175369	1.183741	0.992928	0.320745	0.981636	chr19	33477021	33477572	+		0	NA	intron (N	intron (N	44495	NM_000285	5184	Hs.36473	NM_000285	ENSG00000	PEPD	PROLIDASE	peptidase	protein-coding
chr2-1521	3.949034	1.175369	1.183741	0.992928	0.320745	0.981636	chr2	1.52E+08	1.52E+08	+		0	NA	intron (N	intron (N	-22495	NM_000726	785	Hs.120725	NM_000726	ENSG00000	CACNB4	CAB4|CACN	calcium v	protein-coding
chr1-1572	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr1	15725606	15726458	+		0	NA	intron (N	MLT1A0|LT	-10226	NM_207348	284723	Hs.631867	NM_207348	ENSG00000	SLC25A34	-	solute ca	protein-coding
chr1-2577	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr1	25778187	25778859	+		0	NA	intron (N	intron (N	-21670	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr10-121	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr10	12106092	12106590	+		0	NA	exon (NM_	exon (NM_	-23300	NR_024576	55176	Hs.112955	NM_018144	ENSG00000	SEC61A2	-	SEC61 tra	protein-coding
chr2-2029	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr2	2.03E+08	2.03E+08	+		0	NA	intron (N	intron (N	42091	NM_001352	79800	Hs.444982	NM_024744	ENSG00000	CARF	ALS2CR8|N	calcium r	protein-coding
chr22-264	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr22	26455931	26456443	+		0	NA	intron (N	intron (N	23301	NR_073136	89781	Hs.474436	NM_022081	ENSG00000	HPS4	BLOC3S2|I	HPS4 biog	protein-coding
chr3-4255	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr3	42553557	42553812	+		0	NA	intron (N	intron (N	-21078	NR_046654	1.01E+08	Hs.600642	NR_046654		VIPR1-AS1	-	VIPR1 ant	ncRNA
chr4-1523	6.922828	0.886146	0.89266	0.992702	0.320855	0.981636	chr4	1.52E+08	1.52E+08	+		0	NA	intron (N	MER20|DNA	7315	NM_018315	55294	Hs.561245	NM_018315	ENSG00000	FBXW7	AGO|CDC4|	F-box and	protein-coding
chr11-748	6.91497	0.8886	0.896008	0.991732	0.321328	0.981636	chr11	74865543	74866136	+		0	NA	intron (N	L1M1|LINE	83252	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr13-111	6.91497	0.8886	0.896008	0.991732	0.321328	0.981636	chr13	1.11E+08	1.11E+08	+		0	NA	intron (N	LTR12|LTR	-4356	NM_001320	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr20-623	6.91497	0.8886	0.896008	0.991732	0.321328	0.981636	chr20	62348858	62349218	+		0	NA	intron (N	AluY|SINE	-3972	NR_109923	1.02E+08	Hs.473256	NR_109922	ENSG00000	LAMA5-AS1	-	LAMA5 ant	ncRNA
chr3-5273	6.91497	0.8886	0.896008	0.991732	0.321328	0.981636	chr3	52738777	52739276	+		0	NA	intron (N	intron (N	31914	NM_001348	6787	Hs.631921	NM_003157	ENSG00000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr5-7540	6.91497	0.8886	0.896008	0.991732	0.321328	0.981636	chr5	75403233	75403432	+		0	NA	intron (N	MER58B|DN	66112	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr15-572	6.60076	-0.94675	0.955194	-0.99116	0.321608	0.981636	chr15	57257240	57257846	+		0	NA	intron (N	AluJr|SIN	21114	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr19-364	10.91337	0.710236	0.716872	0.990743	0.321811	0.981636	chr19	36448706	36450446	+		0	NA	exon (NM_	exon (NM_	28402	NR_033748	644189	Hs.608412	NR_033748		LOC644189	-	acyl-CoA	pseudo
chr1-1231	9.238736	0.773447	0.780715	0.990691	0.321836	0.981636	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1666501	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1738	10.94665	0.712309	0.719118	0.990532	0.321914	0.981636	chr1	1.74E+08	1.74E+08	+		0	NA	exon (NM_	exon (NM_	-1915	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr15-572	4.657212	-1.08039	1.09087	-0.99039	0.321983	0.981636	chr15	57238455	57238841	+		0	NA	intron (N	intron (N	19218	NM_001306	6938	Hs.511504	NM_003205	ENSG00000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr17-666	4.657212	-1.08039	1.09087	-0.99039	0.321983	0.981636	chr17	66692653	66693386	+		0	NA	intron (N	intron (N	-94053	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr2-1750	10.15009	-0.74598	0.753251	-0.99034	0.322006	0.981636	chr2	1.75E+08	1.75E+08	+		0	NA	intron (N	intron (N	74662	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr12-112	7.103356	-0.8811	0.889917	-0.99009	0.322128	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	intron (N	L1MB7|LIN	105200	NM_001109	283450	Hs.530943	NM_173813	ENSG00000	HECTD4	C12ord51|	HECT doma	protein-coding
chr20-179	7.103356	-0.8811	0.889917	-0.99009	0.322128	0.981636	chr20	17956261	17957230	+		0	NA	intron (N	intron (N	6201	NR_003045	692086	Hs.680747	NR_003045	ENSG00000	SNORD17	HBI-43	small nuc	snoRNA
chr5-4353	7.103356	-0.8811	0.889917	-0.99009	0.322128	0.981636	chr5	43531982	43532262	+		0	NA	intron (N	intron (N	-16974	NM_198566	375444	Hs.661641	NM_198566	ENSG00000	C5orf34	-	chromosom	protein-coding
chr5-9594	7.103356	-0.8811	0.889917	-0.99009	0.322128	0.981636	chr5	95947250	95947909	+		0	NA	intron (N	MIRc|SINE	14272	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr6-1446	7.103356	-0.8811	0.889917	-0.99009	0.322128	0.981636	chr6	1.45E+08	1.45E+08	+		0	NA	intron (N	L1PA13|LI	286515	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr1-1481	6.989391	0.892019	0.900964	0.990072	0.322139	0.981636	chr1	1.48E+08	1.48E+08	+		0	NA	intron (N	CpG	3314	NR_046188	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr2-1000	6.989391	0.892019	0.900964	0.990072	0.322139	0.981636	chr2	1E+08	1E+08	+		0	NA	intron (N	intron (N	11978	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr1-7797	10.1108	-0.73991	0.747549	-0.98978	0.32228	0.981636	chr1	77976540	77977613	+		0	NA	intron (N	intron (N	1996	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr2-1819	10.1108	-0.73991	0.747549	-0.98978	0.32228	0.981636	chr2	1.82E+08	1.82E+08	+		0	NA	intron (N	AluYa5|SI	-25608	NR_048567	151242	Hs.10941	NM_001080	ENSG00000	PPP1R1C	IPP5	protein p	protein-coding
chr3-1269	3.956892	1.170824	1.183296	0.98946	0.322438	0.981636	chr3	1.27E+08	1.27E+08	+		0	NA	intron (N	intron (N	3285	NM_032242	5361	Hs.432329	NM_032242	ENSG00000	PLXNA1	NOV|NOVP|	plexin A1	protein-coding
chrX-3815	3.956892	1.170824	1.183296	0.98946	0.322438	0.981636	chrX	38156511	38157269	+		0	NA	intron (N	intron (N	63981	NM_006307	8406	Hs.15154	NM_006307	ENSG00000	SRPX	DRS|ETX1|	sushi rep	protein-coding
chr3-1387	7.068225	-0.90065	0.910293	-0.98941	0.322464	0.981636	chr3	1.39E+08	1.39E+08	+		0	NA	intron (N	L1MA6|LIN	-43117	NM_001256	5291	Hs.239818	NM_006219	ENSG00000	PIK3CB	P110BETA|	phosphati	protein-coding
chr4-5649	5.36983	-1.0467	1.057989	-0.98933	0.322503	0.981636	chr4	56494769	56495195	+		0	NA	intron (N	intron (N	-10227	NM_206919	132946	Hs.444449	NM_206919	ENSG00000	ARL9	-	ADP ribos	protein-coding
chr10-271	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr10	27185592	27186483	+		0	NA	intron (N	AluSx|SIN	31213	NM_001172	84930	Hs.276905	NM_032844	ENSG00000	MASTL	GREATWALL	microtubu	protein-coding
chr10-328	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr10	32894949	32896454	+		0	NA	Intergeni	L1MB4|LIN	5771	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr10-127	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr10	1.27E+08	1.27E+08	+		0	NA	intron (N	AluJr|SIN	130457	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|d	dedicator	protein-coding
chr11-856	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr11	85691332	85692327	+		0	NA	Intergeni	Intergeni	-5634	NM_152723	220388	Hs.376241	NM_152723	ENSG00000	CCDC89	-	coiled-co	protein-coding
chr16-587	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr16	58712583	58713390	+		0	NA	intron (N	AluSp|SIN	21330	NM_001286	2806	Hs.599470	NM_002080	ENSG00000	GOT2	KAT4|KATI	glutamic-	protein-coding
chr2-3707	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr2	37073470	37073830	+		0	NA	intron (N	L1ME1|LIN	10722	NM_019024	54497	Hs.744084	NM_019024	ENSG00000	HEATR5B	-	HEAT repe	protein-coding
chr7-3300	5.880284	-0.95897	0.969351	-0.9893	0.322519	0.981636	chr7	33000615	33000947	+		0	NA	intron (N	intron (N	21307	NM_001284	11328	Hs.103934	NM_007270	ENSG00000	FKBP9	FKBP60|FK	FKBP prol	protein-coding
chr1-2434	8.73244	0.803044	0.812134	0.988808	0.322757	0.981636	chr1	2.43E+08	2.43E+08	+		0	NA	intron (N	intron (N	69938	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr2-2312	8.73244	0.803044	0.812134	0.988808	0.322757	0.981636	chr2	2.31E+08	2.31E+08	+		0	NA	intron (N	L1ME5|LIN	80511	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr5-1383	8.73244	0.803044	0.812134	0.988808	0.322757	0.981636	chr5	1.38E+08	1.38E+08	+		0	NA	intron (N	intron (N	34009	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr1-1938	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr1	19382773	19383621	+		0	NA	intron (N	AluSz|SIN	70871	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr16-564	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr16	56431990	56433698	+		0	NA	intron (N	intron (N	-7299	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr2-5567	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr2	55672283	55672935	+		0	NA	intron (N	intron (N	21235	NM_033109	87178	Hs.388733	NM_033109	ENSG00000	PNPT1	COXPD13|D	polyribon	protein-coding
chr3-5146	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr3	51469291	51470552	+		0	NA	intron (N	AluSz|SIN	30081	NM_001171	9730	Hs.716623	NM_014703	ENSG00000	DCAF1	RIP|VPRBP	DDB1 and	protein-coding
chr3-5816	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr3	58163647	58165010	+		0	NA	non-codin	non-codin	6307	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1795	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr3	1.8E+08	1.8E+08	+		0	NA	intron (N	intron (N	20764	NM_020409	57129	Hs.283734	NM_020409	ENSG00000	MRPL47	CGI-204|I	mitochond	protein-coding
chr5-1442	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr5	14429030	14430856	+		0	NA	intron (N	L1ME4b|LI	-34040	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-5723	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr5	57237617	57238293	+		0	NA	intron (N	intron (N	23881	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr7-1029	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr7	1.03E+08	1.03E+08	+		0	NA	exon (NM_	exon (NM_	-28887	NM_001085	58160	Hs.621233	NM_001085	ENSG00000	NFE4	NF-E4	nuclear f	protein-coding
chr8-2339	5.913566	-0.95163	0.962524	-0.98868	0.32282	0.981636	chr8	23396088	23397713	+		0	NA	intron (N	L1MB3|LIN	7220	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr1-5516	5.921424	-0.95359	0.964524	-0.98866	0.32283	0.981636	chr1	55169818	55171876	+		0	NA	intron (N	L2c|LINE|	44517	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitin	protein-coding
chrX-4584	5.921424	-0.95359	0.964524	-0.98866	0.32283	0.981636	chrX	45847247	45847649	+		0	NA	TTS (NR_1	TTS (NR_1	4042	NR_125365	401585	Hs.633348	NR_125365	ENSG00000	LINC02595	-	long inte	ncRNA
chr12-130	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr12	1.31E+08	1.31E+08	+		0	NA	intron (N	L1MC5|LIN	28816	NM_001351	2054	Hs.437585	NM_001980	ENSG00000	STX2	EPIM|EPM|	syntaxin	protein-coding
chr19-494	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr19	4944639	4946314	+		0	NA	intron (N	AluSz|SIN	12789	NR_039902	1.01E+08		NR_039902	ENSG00000	MIR4747	mir-4747	microRNA	ncRNA
chr3-1255	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr3	1.26E+08	1.26E+08	+		0	NA	intron (N	L1ME4a|LI	-31038	NR_073435	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting n	protein-coding
chr7-6432	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr7	64329868	64330573	+		0	NA	intron (N	AluYm1|SI	16259	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr7-9219	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr7	92198128	92199045	+		0	NA	TTS (NM_C	TTS (NM_C	5512	NR_031616	1E+08		NR_031616	ENSG00000	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr8-4791	4.649355	-1.07795	1.090921	-0.98811	0.323097	0.981636	chr8	47919527	47920498	+		0	NA	intron (N	MER9a3|LT	40124	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr11-199	5.870577	-0.97271	0.984533	-0.98799	0.323159	0.981636	chr11	19949034	19949742	+		0	NA	intron (N	intron (N	-73168	NM_001111	89797	Hs.64341	NM_145117	ENSG00000	NAV2	HELAD1|PO	neuron na	protein-coding
chr1-2256	7.177778	-0.87074	0.881567	-0.98772	0.323288	0.981636	chr1	2.26E+08	2.26E+08	+		0	NA	intron (N	intron (N	11767	NM_001008	55740	Hs.497893	NM_018212	ENSG00000	ENAH	ENA|MENA|	ENAH acti	protein-coding
chr14-391	7.177778	-0.87074	0.881567	-0.98772	0.323288	0.981636	chr14	39155879	39156153	+		0	NA	intron (N	AluJo|SIN	14317	NM_001079	122553	Hs.13303	NM_177452	ENSG00000	TRAPPC6B	NEDMEBA|T	trafficki	protein-coding
chr20-585	7.177778	-0.87074	0.881567	-0.98772	0.323288	0.981636	chr20	58525899	58527091	+		0	NA	intron (N	L1ME1|LIN	-11096	NM_153360	164284	Hs.119286	NM_153360	ENSG00000	APCDD1L	-	APC down-	protein-coding
chr6-1509	7.177778	-0.87074	0.881567	-0.98772	0.323288	0.981636	chr6	1.51E+08	1.51E+08	+		0	NA	intron (N	intron (N	-68593	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr9-3249	7.177778	-0.87074	0.881567	-0.98772	0.323288	0.981636	chr9	32494917	32495200	+		0	NA	intron (N	L1MB2|LIN	31138	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr10-405	8.673735	0.796102	0.806015	0.987701	0.323299	0.981636	chr10	40542935	40544007	+		0	NA	Intergeni	ALR/Alpha	1824574	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-185	8.673735	0.796102	0.806015	0.987701	0.323299	0.981636	chr16	18532215	18532865	+		0	NA	intron (N	intron (N	29572	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr21-465	8.673735	0.796102	0.806015	0.987701	0.323299	0.981636	chr21	46551579	46552405	+		0	NA	intron (N	intron (N	53090	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr7-4995	7.077933	-0.88904	0.900328	-0.98746	0.323417	0.981636	chr7	4995466	4995964	+		0	NA	intron (N	intron (N	21730	NR_023385	441191	Hs.520636	NR_015449	ENSG00000	RNF216P1	RNF216L|h	ring fing	pseudo
chr7-1284	7.077933	-0.88904	0.900328	-0.98746	0.323417	0.981636	chr7	1.28E+08	1.28E+08	+		0	NA	3’ UTR (N	3’ UTR (N	1862	NM_013332	29923	Hs.706124	NM_013332	ENSG00000	HILPDA	C7orf68|H	hypoxia i	protein-coding
chr18-166	20.96124	0.537617	0.544578	0.987217	0.323536	0.981636	chr18	16677690	16677909	+		0	NA	Intergeni	ALR/Alpha	-1351880	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr10-983	4.682636	-1.06838	1.082748	-0.98673	0.323775	0.981636	chr10	98382625	98384748	+		0	NA	3’ UTR (N	3’ UTR (N	11621	NR_031619	1E+08		NR_031619	ENSG00000	MIR1287	MIRN1287|	microRNA	ncRNA
chr15-717	4.682636	-1.06838	1.082748	-0.98673	0.323775	0.981636	chr15	71745155	71746679	+		0	NA	intron (N	AluSz6|SI	-54378	NR_120346	1.02E+08	Hs.680593	NR_120346		THSD4-AS2	-	THSD4 ant	ncRNA
chr19-119	4.682636	-1.06838	1.082748	-0.98673	0.323775	0.981636	chr19	11927977	11929531	+		0	NA	intron (N	AluYa5|SI	3647	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr7-1522	8.632595	0.795567	0.806627	0.986289	0.323991	0.981636	chr7	1.52E+08	1.52E+08	+		0	NA	intron (N	AluJb|SIN	144773	NM_001371474								
chr17-187	7.185636	-0.87236	0.884706	-0.98604	0.324112	0.981636	chr17	18793107	18793830	+		0	NA	intron (N	AluY|SINE	4433	NM_001316	51030	Hs.87295	NM_016078	ENSG00000	TVP23B	CGI-148|F	trans-gol	protein-coding
chr7-1521	7.185636	-0.87236	0.884706	-0.98604	0.324112	0.981636	chr7	1.52E+08	1.52E+08	+		0	NA	TTS (NM_C	TTS (NM_C	48061	NM_001371474								
chr13-408	8.385134	-0.81499	0.826526	-0.98604	0.324115	0.981636	chr13	40875030	40875567	+		0	NA	intron (N	HERVE-int	46452	NR_038258	1.01E+08	Hs.660718	NR_038258		TPTE2P5	-	transmemb	pseudo
chr7-8662	8.385134	-0.81499	0.826526	-0.98604	0.324115	0.981636	chr7	866229	866592	+		0	NA	intron (N	intron (N	-10144	NM_015949	51608	Hs.107387	NM_015949	ENSG00000	GET4	C7orf20|C	guided en	protein-coding
chr1-1502	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr1	1.5E+08	1.5E+08	+		0	NA	intron (N	intron (N	4069	NM_001301	79630	Hs.91283	NM_024579	ENSG00000	C1orf54	-	chromosom	protein-coding
chr1-1657	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr1	1.66E+08	1.66E+08	+		0	NA	intron (N	AluSx1|SI	20713	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|P	transmemb	protein-coding
chr11-832	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr11	83206204	83207047	+		0	NA	intron (N	MLT1A0|LT	12913	NM_001300	338699	Hs.503438	NM_182603	ENSG00000	ANKRD42	PPP1R79|S	ankyrin r	protein-coding
chr17-648	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr17	64817858	64819600	+		0	NA	intron (N	intron (N	3373	NR_036199	1E+08		NR_036199	ENSG00000	MIR4315-1	-	microRNA	ncRNA
chr20-182	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr20	18298273	18298559	+		0	NA	5’ UTR (N	5’ UTR (N	9889	NM_001352	7692	Hs.472221	NM_003434	ENSG00000	ZNF133	ZNF150|pH	zinc fing	protein-coding
chr5-1379	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr5	1.38E+08	1.38E+08	+		0	NA	intron (N	L1PA3|LIN	-58987	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr7-9962	6.930686	0.883616	0.896142	0.986022	0.324122	0.981636	chr7	99629758	99630688	+		0	NA	3’ UTR (N	3’ UTR (N	13277	NM_001350	221785	Hs.446297	NM_145115	ENSG00000	ZSCAN25	ZNF498	zinc fing	protein-coding
chr11-276	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr11	27675523	27676622	+		0	NA	non-codin	non-codin	-16423	NM_001143	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr17-292	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr17	29270220	29270793	+		0	NA	intron (N	intron (N	23642	NM_020772	57532	Hs.462598	NM_020772	ENSG00000	NUFIP2	182-FIP|8	nuclear F	protein-coding
chr19-240	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr19	24072232	24072669	+		0	NA	intron (N	AluSz|SIN	-14710	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr3-1198	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr3	1.2E+08	1.2E+08	+		0	NA	intron (N	L1MA3|LIN	97174	NM_022002	8856	Hs.7303	NM_003889	ENSG00000	NR1I2	BXR|ONR1|	nuclear r	protein-coding
chr4-2668	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr4	26684289	26684834	+		0	NA	intron (N	LTR45B|LT	100477	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr7-1284	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr7	1.28E+08	1.28E+08	+		0	NA	intron (N	AluSz|SIN	18744	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr8-9032	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr8	9032425	9032776	+		0	NA	3’ UTR (N	3’ UTR (N	-15845	NR_039804	1.01E+08		NR_039804	ENSG00000	MIR4660	-	microRNA	ncRNA
chr8-3903	7.16992	-0.86909	0.881437	-0.98599	0.324139	0.981636	chr8	39031760	39032772	+		0	NA	intron (N	L1P2|LINE	-13581	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA

chr6-1679	8.434131	-0.81278	0.824416	-0.98588	0.32419	0.981636	chr6	1.68E+08	1.68E+08	+	0	NA	intron (N	Tigger3b|	32271	NM_001129	1E+08	Hs.448059	NM_001129895		HGC6.3	-	uncharact	protein-coding
chr10-100	6.434098	0.944578	0.958313	0.985667	0.324297	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	CR1_Mam|L	12630	NM_001303	55280	Hs.215502	NM_018294	ENSG00000	CWF19L1	C19L1|SCA	CWF19 lik	protein-coding
chr11-108	5.768354	0.965656	0.98008	0.985282	0.324486	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJo|SIN	39624	NM_001321	4863	Hs.171061	NM_002519	ENSG00000	NPAT	E14|E14/N	nuclear p	protein-coding
chr11-763	3.428132	-1.26727	1.286309	-0.9852	0.324527	0.981636	chr11	76363672	76364528	+	0	NA	intron (N	intron (N	16865	NR_130898	5612	Hs.503315	NM_004705	ENSG00000	THAP12	DAP4|P52r	THAP doma	protein-coding
chr15-407	3.428132	-1.26727	1.286309	-0.9852	0.324527	0.981636	chr15	40700830	40702727	+	0	NA	intron (N	AluSc|SIN	6604	NM_001164	5888	Hs.631709	NM_002875	ENSG00000	RAD51	BRCC5|FAN	RAD51 rec	protein-coding
chr16-235	3.428132	-1.26727	1.286309	-0.9852	0.324527	0.981636	chr16	23515085	23515961	+	0	NA	Intergeni	AluSx|SIN	-5029	NM_015044	23062	Hs.460336	NM_015044	ENSG00000	GGA2	VEAR	golgi ass	protein-coding
chr2-1132	3.428132	-1.26727	1.286309	-0.9852	0.324527	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	7430	NR_015377	654433	Hs.656660	NR_015377	ENSG00000	PAX8-AS1	-	PAX8 anti	ncRNA
chr1-7296	8.836883	-0.78306	0.794827	-0.9852	0.324527	0.981636	chr1	729663	729936	+	0	NA	non-codir	non-codir	552	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr1-9471	8.836883	-0.78306	0.794827	-0.9852	0.324527	0.981636	chr1	947169	947523	+	0	NA	intron (N	intron (N	11910	NM_015658	26155	Hs.405987	NM_015658	ENSG00000	NOC2L	NET15|NET	NOC2 like	protein-coding
chr10-739	7.12878	-0.87337	0.886724	-0.98495	0.324651	0.981636	chr10	73999734	74002247	+	0	NA	intron (N	intron (N	2874	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr4-1942	7.12878	-0.87337	0.886724	-0.98495	0.324651	0.981636	chr4	1942048	1944174	+	0	NA	TTS (NM_C	TTS (NM_C	-31525	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Ca	ncRNA
chr4-5334	7.12878	-0.87337	0.886724	-0.98495	0.324651	0.981636	chr4	53345180	53346029	+	0	NA	intron (N	L1PA6|LIN	20457	NM_152540	152579	Hs.302287	NM_152540	ENSG00000	SCFD2	STXBP1L1	sec1 fami	protein-coding
chr16-294	11.86189	-0.6828	0.693289	-0.98487	0.324686	0.981636	chr16	29431987	29432773	+	0	NA	intron (N	AluJb|SIN	14646	NR_135312	1E+08	Hs.552700	NR_135312	ENSG00000	SMG1P6	-	SMG1 pseu	pseudo
chr20-269	11.86189	-0.6828	0.693289	-0.98487	0.324686	0.981636	chr20	26949510	26949802	+	0	NA	Intergeni	ALR/Alpha	-740423	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-3737	5.195495	1.029606	1.045429	0.984865	0.324691	0.981636	chr6	37377892	37378282	+	0	NA	intron (N	AluSx|SIN	24104	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr7-1288	5.195495	1.029606	1.045429	0.984865	0.324691	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	16065	NM_001367	64753	Hs.521178	NM_022742	ENSG00000	CCDC136	NAG6	coiled-cc	protein-coding
chr9-3509	5.195495	1.029606	1.045429	0.984865	0.324691	0.981636	chr9	35090368	35090923	+	0	NA	exon (NM_	exon (NM_	5904	NM_001201	84720	Hs.522099	NM_032634	ENSG00000	PIGO	HPMRS2	phosphati	protein-coding
chr1-4295	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr1	42951770	42958101	+	0	NA	intron (N	intron (N	3933	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr1-9326	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr1	93260309	93261653	+	0	NA	intron (N	L1PA7|LIN	80265	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-cc	protein-coding
chr1-1810	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	LTR12C|LT	13152	NM_001531	3140	Hs.13500	NM_001531	ENSG00000	MR1	HLALS	major his	protein-coding
chr12-564	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr12	56417607	56418296	+	0	NA	exon (NM_	exon (NM_	31475	NM_001330	8914	Hs.118631	NM_003920	ENSG00000	TIMELESS	TIM|TIM1|	timeless	protein-coding
chr13-449	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr13	44941774	44943063	+	0	NA	intron (N	intron (N	47053	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr14-212	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr14	21219508	21220447	+	0	NA	intron (N	L2a|LINE|	-13077	NR_038971	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr16-287	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr16	28729421	28730191	+	0	NA	intron (N	AluJb|SIN	5554	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr17-166	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr17	16648648	16649365	+	0	NA	intron (N	intron (N	4844	NM_020787	57547	Hs.128078	NM_020787	ENSG00000	ZNF624	-	zinc fing	protein-coding
chr17-449	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr17	44938013	44939018	+	0	NA	intron (N	L1M5|LINE	-3834	NR_106841	1.02E+08		NR_106841	ENSG00000	MIR6783	hsa-mir-6	microRNA	ncRNA
chr22-456	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr22	45600748	45601854	+	0	NA	TTS (NM_C	TTS (NM_C	4346	NR_131244	1.01E+08	Hs.517692	NR_131244	ENSG00000	LINC01589	TCONS_00C	long inte	ncRNA
chr3-1081	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA4|LIN	27092	NM_018010	55081	Hs.412196	NM_018010	ENSG00000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr4-1854	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	non-codir	non-codir	11126	NM_181726	353322	Hs.508154	NM_181726	ENSG00000	ANKRD37	Lrp2bp	ankyrin r	protein-coding
chr5-3586	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr5	35861199	35861398	+	0	NA	intron (N	intron (N	4407	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr5-3587	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr5	35871349	35871741	+	0	NA	intron (N	intron (N	14654	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr5-7147	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr5	71479388	71480139	+	0	NA	intron (N	AluYk2|SI	24112	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr5-7156	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr5	71567758	71567957	+	0	NA	TTS (NM_C	TTS (NM_C	-19483	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcrc	protein-coding
chr6-1082	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	46326	NM_001300	8724	Hs.12102	NM_003795	ENSG00000	SNX3	Grd19|MCC	sorting n	protein-coding
chr7-1247	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20453	NM_005302	2861	Hs.406094	NM_005302	ENSG00000	GPR37	EDNRBL|PA	G proteir	protein-coding
chr8-5883	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr8	58836100	58838959	+	0	NA	intron (N	intron (N	-177676	NM_003580	8439	Hs.372000	NM_003580	ENSG00000	NSMAF	FAN|GRAMD	neutral s	protein-coding
chr9-5536	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr9	5536678	5537792	+	0	NA	intron (N	Charlie2b	26704	NM_025239	80380	Hs.532279	NM_025239	ENSG00000	PDCD1LG2	B7DC|Btdc	programme	protein-coding
chr9-8601	5.905708	-0.94966	0.964391	-0.98472	0.32476	0.981636	chr9	86010849	86011048	+	0	NA	intron (N	A-rich|Lo	69419	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr14-761	10.15194	-0.73698	0.748535	-0.98456	0.324842	0.981636	chr14	76154207	76155363	+	0	NA	exon (NM_	exon (NM_	431	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch c	protein-coding
chr10-806	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr10	806063	807376	+	0	NA	TTS (NM_C	TTS (NM_C	-117051	NM_014974	22982	Hs.432397	NM_014974	ENSG00000	DIP2C	KIAA0934	disco int	protein-coding
chr11-111	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	49592	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr12-112	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L2a|LINE|	-77484	NM_001347	22895	Hs.21239	NM_014954	ENSG00000	RPH3A	-	rabphilir	protein-coding
chr12-122	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSg|SIN	70291	NM_014708	9735	Hs.300559	NM_014708	ENSG00000	KNTC1	ROD	kinetochc	protein-coding
chr15-445	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr15	44507588	44509150	+	0	NA	intron (N	AluJb|SIN	28531	NR_034171	645212	Hs.594287	NR_034170		EIF3J-DT	EIF3J-AS1	EIF3J div	ncRNA
chr3-4559	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr3	45598765	45599887	+	0	NA	intron (N	L1MB5|LIN	4575	NM_014240	8994	Hs.193370	NM_014240	ENSG00000	LIMD1	-	LIM domai	protein-coding
chr3-1597	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	AluY|SINE	13435	NR_121669	1.01E+08	Hs.601476	NR_121669		IQCJ-SCHI	uaz98	IQCJ-SCHI	ncRNA
chr9-9808	4.674778	-1.06596	1.082794	-0.98446	0.324892	0.981636	chr9	98081862	98082707	+	0	NA	intron (N	intron (N	25552	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetylr	protein-coding
chr5-4894	29.06267	0.466636	0.474026	0.98441	0.324914	0.981636	chr5	48949810	48951019	+	0	NA	Intergeni	ALR/Alpha	1490874	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-340	8.870164	-0.77834	0.790816	-0.98422	0.325007	0.981636	chr19	3408394	3408704	+	0	NA	intron (N	AluJr|SIN	41966	NM_001245	4782	Hs.170131	NM_005597	ENSG00000	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr2-2161	8.870164	-0.77834	0.790816	-0.98422	0.325007	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	L3|LINE|C	24593	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr3-1277	8.870164	-0.77834	0.790816	-0.98422	0.325007	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	L1PA10|LI	32360	NM_172027	80325	Hs.107812	NM_032548	ENSG00000	ABTB1	BPOZ|BTB3	ankyrin r	protein-coding
chr6-7508	8.870164	-0.77834	0.790816	-0.98422	0.325007	0.981636	chr6	75086398	75092869	+	0	NA	intron (N	intron (N	39149	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr1-1657	9.195746	0.763098	0.775438	0.984085	0.325074	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	AluSx4|SI	22736	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|P	transmemb	protein-coding
chr1-1800	9.195746	0.763098	0.775438	0.984085	0.325074	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	-76214	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-914	9.195746	0.763098	0.775438	0.984085	0.325074	0.981636	chr10	91464553	91464769	+	0	NA	TTS (NM_1	TTS (NM_1	54376	NM_001284	143279	Hs.596096	NM_173497	ENSG00000	HECTD2	-	HECT doma	protein-coding
chr19-371	9.195746	0.763098	0.775438	0.984085	0.325074	0.981636	chr19	37149924	37160876	+	0	NA	intron (N	AluSq|SIN	17036	NM_199126	199704	Hs.659236	NM_152655	ENSG00000	ZNF585A	-	zinc fing	protein-coding
chr7-6597	9.195746	0.763098	0.775438	0.984085	0.325074	0.981636	chr7	65974316	65974645	+	0	NA	intron (N	intron (N	7733	NM_001293	2990	Hs.255230	NM_000181	ENSG00000	GUSB	BG|MPS7	glucuroni	protein-coding
chr2-2380	5.854861	-0.96869	0.984411	-0.98403	0.325101	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-17880	NR_016510	51540	Hs.731909	NR_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr18-127	9.187889	0.76493	0.777361	0.984009	0.325111	0.981636	chr18	12722211	12722447	+	0	NA	intron (N	L1MEc|LIN	19287	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteason	protein-coding
chr9-3575	9.187889	0.76493	0.777361	0.984009	0.325111	0.981636	chr9	35751131	35754208	+	0	NA	TTS (NM_C	TTS (NM_C	1607	NM_001044	692094	Hs.571601	NM_001044	ENSG00000	MSMP	PSMP	microsemi	protein-coding
chr1-2356	8.640453	0.793585	0.806778	0.983647	0.325289	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	AluJb|SIN	-42043	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G proteir	protein-coding
chr7-1392	8.640453	0.793585	0.806778	0.983647	0.325289	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSc8|SI	34228	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr1-1243	9.229028	0.765501	0.778252	0.983616	0.325304	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2846695	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-111	6.659466	-0.93102	0.946898	-0.98323	0.325495	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-21709	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr2-1889	6.659466	-0.93102	0.946898	-0.98323	0.325495	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	promoter-	promoter-	-552	NR_031647	1E+08		NR_031647	ENSG00000	MIR1245A	MIR1245|M	microRNA	ncRNA
chr2-2239	5.74293	0.959134	0.975651	0.983071	0.325573	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	21843	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|I	mitochonc	protein-coding
chr19-937	13.20201	0.65349	0.664778	0.983019	0.325598	0.981636	chr19	9373729	9389898	+	0	NA	3’ UTR (N	3’ UTR (N	5497	NM_001172	7730	Hs.728944	NM_003451	ENSG00000	ZNF177	PIGX	zinc fing	protein-coding
chr2-1600	3.990174	1.175099	1.195503	0.982933	0.32564	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	MER5A|DNA	24267	NM_001007	22925	Hs.410477	NM_007366	ENSG00000	PLA2R1	CLEC13C|P	phospholi	protein-coding
chr7-1522	8.426273	-0.8113	0.825464	-0.98284	0.325687	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	148991	NM_001371474								
chr19-531	6.907112	0.891068	0.906632	0.982833	0.32569	0.981636	chr19	53181221	53182137	+	0	NA	intron (N	intron (N	11679	NM_001353	79788	Hs.745230	NM_024733	ENSG00000	ZNF665	ZFP160L	zinc fing	protein-coding
chr2-1192	8.862306	-0.77697	0.790641	-0.98271	0.325749	0.981636	chr2	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	3094	NR_046721	1.01E+08	Hs.704682	NR_046721	ENSG00000	STEAP3-AS	-	STEAP3 ar	ncRNA
chr6-1509	8.862306	-0.77697	0.790641	-0.98271	0.325749	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx|SIN	-45623	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr9-3573	9.690485	-0.76972	0.783263	-0.98271	0.32575	0.981636	chr9	35739429	35739628	+	0	NA	intron (N	intron (N	6606	NR_106912	1.02E+08		NR_106912	ENSG00000	MIR6853	hsa-mir-6	microRNA	ncRNA
chr1-1257	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr1	12578588	12579646	+	0	NA	promoter-	promoter-	-94	NR_106788	1.02E+08		NR_106788	ENSG00000	MIR6730	hsa-mir-6	microRNA	ncRNA
chr1-1509	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	10332	NM_001366	9869	Hs.643565	NM_012432	ENSG00000	SETDB1	ESET|H3-K	SET domai	protein-coding
chr11-128	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr11	1282824	1283416	+	0	NA	intron (N	intron (N	19670	NM_001318	54472	Hs.368527	NM_019009	ENSG00000	TOLLIP	IL-1RAcPI	toll inte	protein-coding
chr15-309	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr15	30941869	30942786	+	0	NA	3’ UTR (N	3’ UTR (N	38412	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr19-112	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr19	11240080	11240657	+	0	NA	intron (N	MIR|SINE|	749	NM_018687	55908	Hs.534467	NM_018687	ENSG00000	ANGPTL8	C19orf80|	angiopoie	protein-coding
chr22-304	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr22	30409901	30410263	+	0	NA	intron (N	AluSz6|SI	13064	NM_001204	23541	Hs.335614	NM_012429	ENSG00000	SEC14L2	C22orf6|S	SEC14 lik	protein-coding
chr3-1423	6.963967	0.88651	0.902256	0.982548	0.32583	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	Tigger1|D	57897	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr2-2017	7.503545	0.846343	0.86138	0.982543	0.325832	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-12879	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr19-521	8.707016	0.798522	0.812827	0.982401	0.325902	0.981636	chr19	5216857	5220267	+	0	NA	intron (N	intron (N	122250	NM_130854	5802	Hs.744928	NM_002850	ENSG00000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr21-289	10.16766	-0.73935	0.752684	-0.98228	0.325962	0.981636	chr21	28978922	28979121	+	0	NA	intron (N	intron (N	13856	NM_001320	26046	Hs.288773	NM_015565	ENSG00000	LTN1	C21orf10|	listerin	protein-coding
chr6-1529	10.14408	-0.73574	0.749279	-0.98193	0.326134	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	8197	NM_001114	54516	Hs.225836	NM_019041	ENSG00000	MTRF1L	HMRF1L|MF	mitochonc	protein-coding
chr11-915	8.811459	-0.78936	0.804033	-0.98175	0.326222	0.981636	chr11	9156221	9156421	+	0	NA	intron (N	intron (N	61958	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr10-924	3.469272	-1.25665	1.280089	-0.98169	0.326254	0.981636	chr10	92450512	92451105	+	0	NA	TTS (NM_C	TTS (NM_C	32147	NR_038243	1.01E+08	Hs.568772	NR_038243		MARK2P9	-	microtubu	pseudo
chr2-3391	8.860456	-0.78731	0.802171	-0.98148	0.326358	0.981636	chr2	3391295	3391511	+	0	NA	intron (N	intron (N	11709	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr12-111	5.872427	-0.95705	0.97524	-0.98135	0.326421	0.981636	chr12	11165789	11166109	+	0	NA	intron (N	L1MCc|LIN	-5245	NM_001271	1E+08	Hs.521817	NM_001271	ENSG00000	SMIM10L1	-	small int	protein-coding
chr13-369	5.872427	-0.95705	0.97524	-0.98135	0.326421	0.981636	chr13	36982369	36982878	+	0	NA	intron (N	intron (N	16717	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr17-679	5.872427	-0.95705	0.97524	-0.98135	0.326421	0.981636	chr17	67907082	67907473	+	0	NA	intron (N	L1MC5a|LI	81774	NM_004459	2186	Hs.444200	NM_004459	ENSG00000	BPTF	FAC1|FAL2	bromodoma	protein-coding
chr7-1276	5.872427	-0.95705	0.97524	-0.98135	0.326421	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	47248	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr12-572	5.735072	0.962186	0.980566	0.981256	0.326466	0.981636	chr12	57299701	57300594	+	0	NA	exon (NM_	exon (NM_	41627	NM_001351	22864	Hs.443673	NM_014925	ENSG00000	R3HDM2	CAG6|PRO1	R3H domai	protein-coding
chr18-703	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr18	70347819	70348536	+	0	NA	intron (N	L1PA5|LIN	-9997	NR_146458	1.03E+08		NR_146458		LIVAR	lnc18q22.	liver cel	ncRNA
chr2-1209	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MB7|LIN	189046	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr20-628	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr20	62886101	62886990	+	0	NA	TTS (NM_C	TTS (NM_C	-3642	NR_145839	1.1E+08		NR_145839		SNORA117	-	small nuc	snoRNA
chr4-1223	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-40102	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr8-2335	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr8	23350328	23352250	+	0	NA	intron (N	intron (N	15081	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr8-2338	4.641497	-1.07558	1.09625	-0.98115	0.32652	0.981636	chr8	23384833	23386418	+	0	NA	intron (N	intron (N	18495	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr12-113	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	32910	NM_001032	4939	Hs.414332	NM_002535	ENSG00000	OAS2	-	2’-5’-oli	protein-coding
chr15-809	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr15	80901390	80901686	+	0	NA	intron (N	AluSq10|S	-59465	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr19-394	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr19	39483271	39483615	+	0	NA	intron (N	intron (N	2605	NM_001329	92609	Hs.590956	NM_001001	ENSG00000	TIMM50	MGCA9|TIM	transloca	protein-coding
chr2-1629	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr2	1629417	1631497	+	0	NA	Intergeni	Tigger1|D	114058	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-4781	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr2	47817105	47817338	+	0	NA	intron (N	Tigger1|D	33266	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homc	protein-coding
chr21-463	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr21	46331261	46331693	+	0	NA	intron (N	intron (N	6810	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr5-1502	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	5546	NM_001012	340075	Hs.591252	NM_001012	ENSG00000	ARSI	ASI|SPG66	arylsulfa	protein-coding
chr6-1121	7.162062	-0.86737	0.884321	-0.98083	0.326676	0.981636	chr6	11217036	11217258	+	0	NA	intron (N	intron (N	15521	NM_182966	4739	Hs.37982	NM_006403	ENSG00000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr19-163	7.478121	0.841188	0.857968	0.980443	0.326868	0.981636	chr19	1631697	1631989	+	0	NA	intron (N	intron (N	20772	NM_001136	6929	Hs.371282	NM_003200	ENSG00000	TCF3	AGM8|E2A|	transcrip	protein-coding
chr4-1374	5.162213	1.025905	1.046451	0.980366	0.326905	0.981636	chr4	1374698	1375422	+	0	NA	intron (N	intron (N	27504	NM_001317	57654	Hs.380475	NM_020894	ENSG00000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr19-519	11.44324	0.686435	0.70045	0.979991	0.327091	0.981636	chr19	51964467	51974870	+	0	NA	intron (N	AluJo|SIN	17172	NM_021632	59348	Hs.407694	NM_021632	ENSG00000	ZNF350	ZBRK1|ZFQ	zinc fing	protein-coding
chr19-191	10.95451	0.710715	0.725855	0.979142	0.32751	0.981636	chr19	19132324	19132598	+	0	NA	exon (NM_	exon (NM_	6017	NM_017814	54929	Hs.631629	NM_017814	ENSG00000	TMEM161A	AROS-29	transmemb	protein-coding
chr1-1544	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-46874	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr1-1679	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	LTR41|LTF	-30353	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2354	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	LTR86C|LT	25119	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr10-738	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr10	73805413	73808511	+	0	NA	intron (N	intron (N	4636	NM_003635	8509	Hs.654758	NM_003635	ENSG00000	NDST2	HSST2|N-H	N-deacety	protein-coding
chr11-515	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr11	51523027	51523950	+	0	NA	Intergeni	ALR/Alpha	1114341	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr8-9492	9.203604	0.761264	0.777697	0.97887	0.327644	0.981636	chr8	94927592	94930870	+	0	NA	3’ UTR (N	3’ UTR (N	20147	NM_001135	94241	Hs.492261	NM_033285	ENSG00000	TP53INP1	SIP|TP53D	tumor prc	protein-coding
chr6-1319	15.7904	-0.60093	0.613954	-0.97879	0.327684	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	741	NM_001901	1490	Hs.410037	NM_001901	ENSG00000	CCN2	CTGF|HCS2	cellular	protein-coding
chr2-9223	18.59818	0.554289	0.566364	0.97868	0.327738	0.981636	chr2	92232499	92232949	+	0	NA	Intergeni	ALR/Alpha	291591	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr3-2389	7.495687	0.848734	0.867303	0.978591	0.327782	0.981636	chr3	23898876	23899307	+	0	NA	intron (N	MER1B|DNA	-17454	NM_001253	6138	Hs.381219	NM_002948	ENSG00000	RPL15	DBA12|EC4	ribosomal	protein-coding
chr1-1847	9.180031	0.766806	0.783608	0.978557	0.327799	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	52103	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrac	protein-coding
chr18-270	11.47652	0.688471	0.703593	0.978507	0.327824	0.981636	chr18	2708326	2708746	+	0	NA	intron (N	AluJo|SIN	52649	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr16-294	14.05688	-0.6264	0.640196	-0.97846	0.327848	0.981636	chr16	29458821	29459133	+	0	NA	promoter-	promoter-	-909	NM_001017	445329	Hs.460558	NM_001017	ENSG00000	SULT1A4	HAST3|M-F	sulfotrar	protein-coding
chr14-690	8.854448	-0.77561	0.792713	-0.97842	0.327866	0.981636	chr14	69074518	69074942	+	0	NA	intron (N	intron (N	77869	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCF	DDB1 and	protein-coding

chr9-2719	8.854448	-0.77561	0.792713	-0.97842	0.327866	0.981636	chr9	27197151	27198897	+	0	NA	intron (N	intron (N	84769	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|	long inte	ncRNA
chr9-1242	8.854448	-0.77561	0.792713	-0.97842	0.327866	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-2109	NR_149024	613206	Hs.197071	NM_001033	ENSG00000	LOC613206	-	uncharact	ncRNA
chr22-328	10.58797	-0.71197	0.727822	-0.97822	0.327966	0.981636	chr22	32858156	32858576	+	0	NA	intron (N	intron (N	57550	NM_000362	7078	Hs.644633	NM_000362	ENSG00000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr14-100	7.095499	-0.87946	0.899262	-0.97798	0.328086	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	non-codin	non-codin	-8251	NR_030172	574450		NR_030172	ENSG00000	MIR493	MIRN493|	microRNA	ncRNA
chr3-7095	7.095499	-0.87946	0.899262	-0.97798	0.328086	0.981636	chr3	70957669	70957991	+	0	NA	non-codin	non-codin	107094	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr6-5655	7.095499	-0.87946	0.899262	-0.97798	0.328086	0.981636	chr6	56555526	56556355	+	0	NA	intron (N	intron (N	86949	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr8-1301	7.095499	-0.87946	0.899262	-0.97798	0.328086	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	Tigger20a	-53401	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-1444	13.11002	0.646813	0.661391	0.977959	0.328095	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	20815	NM_173638	284565	Hs.523572	NM_173638	ENSG00000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr1-1563	7.485979	0.83892	0.858068	0.977685	0.32823	0.981636	chr1	15631390	15632038	+	0	NA	intron (N	L1ME2|LIN	14256	NM_032341	84301	Hs.718857	NM_032341	ENSG00000	DDI2	-	DNA damag	protein-coding
chr14-553	7.485979	0.83892	0.858068	0.977685	0.32823	0.981636	chr14	55376502	55377707	+	0	NA	intron (N	AluSq2|SI	34754	NM_014924	22863	Hs.414809	NM_014924	ENSG00000	ATG14	ATG14L|BA	autophagy	protein-coding
chr17-119	7.485979	0.83892	0.858068	0.977685	0.32823	0.981636	chr17	11990461	11991999	+	0	NA	intron (N	intron (N	6142	NM_144680	7566	Hs.370473	NM_144680	ENSG00000	ZNF18	HDSG1|KOX	zinc fing	protein-coding
chr16-534	6.897404	0.88056	0.900742	0.977595	0.328275	0.981636	chr16	53490120	53490705	+	0	NA	TTS (NM_	TTS (NM_	12797	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr20-355	6.897404	0.88056	0.900742	0.977595	0.328275	0.981636	chr20	35508933	35509391	+	0	NA	intron (N	intron (N	20490	NR_026933	140873	Hs.158680	NM_080828	ENSG00000	C20orf173	dJ47704.4	chromosom	protein-coding
chr21-333	6.897404	0.88056	0.900742	0.977595	0.328275	0.981636	chr21	33344834	33345033	+	0	NA	intron (N	AluSx|SIN	19963	NM_000629	3454	Hs.529400	NM_000629	ENSG00000	IFNAR1	AVP|IFN-a	interfer	protein-coding
chr1-4729	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr1	47299674	47301712	+	0	NA	intron (N	AluSx3|SI	13454	NM_003035	6491	Hs.525198	NM_003035	ENSG00000	STIL	MCPH7|SI	STIL cent	protein-coding
chr12-782	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr12	78204858	78207683	+	0	NA	intron (N	intron (N	153476	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-934	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr12	93407108	93408084	+	0	NA	3’ UTR (N	3’ UTR (N	29018	NM_001301	11163	Hs.506325	NM_019094	ENSG00000	NUDT4	DIPP-2B|I	nudix hyd	protein-coding
chr14-899	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr14	89969515	89970402	+	0	NA	intron (N	AluYa5|SI	14031	NM_018319	55775	Hs.209945	NM_018319	ENSG00000	TDP1	-	tyrosyl-D	protein-coding
chr15-592	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr15	59258148	59258496	+	0	NA	intron (N	AluSx1|SI	51479	NM_033195	92483	Hs.307052	NM_033195	ENSG00000	LDHAL6B	LDH6B|LDH	lactate d	protein-coding
chr19-441	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr19	4410872	4412562	+	0	NA	intron (N	AluSx1|SI	9077	NM_005483	10036	Hs.79018	NM_005483	ENSG00000	CHAF1A	CAF-1|CAF	chromatin	protein-coding
chr20-386	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr20	3869759	3870926	+	0	NA	non-codin	non-codin	-18439	NM_024960	80025	Hs.114180	NM_024960	ENSG00000	PANK2	C20orf48|	pantother	protein-coding
chr4-8802	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr4	88021481	88021919	+	0	NA	intron (N	L3|LINE|C	14065	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr7-1417	4.66692	-1.06351	1.088221	-0.97729	0.328425	0.981636	chr7	1.42E+08	1.42E+08	+	0	NA	intron (N	MIRb|SINE	1918	NM_001256	6742	Hs.490394	NM_003143	ENSG00000	SSBP1	Mt-SSB|SC	single st	protein-coding
chr1-1521	10.59583	-0.71315	0.729788	-0.97721	0.328467	0.981636	chr1	15219415	15219990	+	0	NA	exon (NM_	exon (NM_	-27523	NM_052929	114827	Hs.659997	NM_052929	ENSG00000	FHAD1	-	forkhead	protein-coding
chr10-136	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr10	13658674	13659512	+	0	NA	intron (N	intron (N	48474	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr11-200	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr11	20054196	20057024	+	0	NA	intron (N	intron (N	-6307	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-102	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	49287	NM_052932	114908	Hs.503709	NM_052932	ENSG00000	TMEM123	KCT3|PORI	transmemb	protein-coding
chr12-687	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr12	6875196	6876851	+	0	NA	intron (N	AluJb|SIN	-2720	NM_001146	84727	Hs.479856	NM_032641	ENSG00000	SPSB2	GRCC9|SSE	splA/ryar	protein-coding
chr12-132	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJb|SIN	3692	NM_001256	7574	Hs.489608	NM_019591	ENSG00000	ZNF26	HEL-179|K	zinc fing	protein-coding
chr15-431	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr15	43151178	43153247	+	0	NA	intron (N	intron (N	18626	NM_024956	80021	Hs.511175	NM_024956	ENSG00000	TMEM62	-	transmemb	protein-coding
chr15-681	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr15	68160956	68161809	+	0	NA	intron (N	L1M5|LINE	44728	NM_033429	91860	Hs.709550	NM_033429	ENSG00000	CALML4	NY-BR-20	calmoduli	protein-coding
chr18-542	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr18	54295402	54295763	+	0	NA	3’ UTR (N	3’ UTR (N	26008	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr19-217	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr19	21762352	21763085	+	0	NA	intron (N	intron (N	4861	NM_001351	163227	Hs.365142	NM_173531	ENSG00000	ZNF100	-	zinc fing	protein-coding
chr2-9886	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr2	9886900	9887881	+	0	NA	intron (N	L1MEc|LIN	43916	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-2100	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	intron (N	intron (N	12352	NM_001318	6120	Hs.282260	NM_006916	ENSG00000	RPE	RPE2-1	ribulose-	protein-coding
chr3-1960	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluY|SINE	21268	NM_001128	7037	Hs.529618	NM_003234	ENSG00000	TFRC	CD71|IMD4	transferr	protein-coding
chr7-8399	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr7	83997308	83997969	+	0	NA	intron (N	intron (N	197151	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-9282	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr7	92827580	92829607	+	0	NA	intron (N	intron (N	5366	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr8-6053	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr8	60533250	60533717	+	0	NA	intron (N	L3|LINE|C	16496	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr8-9625	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr8	96258299	96258993	+	0	NA	exon (NM_	exon (NM_	2964	NM_015942	51001	Hs.308613	NM_015942	ENSG00000	MTERF3	CGI-12|MT	mitochon	protein-coding
chr8-1198	5.89785	-0.94765	0.97023	-0.97673	0.328704	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	18303	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr15-943	6.889546	0.883028	0.904128	0.976662	0.328736	0.981636	chr15	94351532	94352002	+	0	NA	intron (N	intron (N	-4163	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr2-8810	6.889546	0.883028	0.904128	0.976662	0.328736	0.981636	chr2	8810036	8810553	+	0	NA	intron (N	intron (N	27319	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr5-1725	6.889546	0.883028	0.904128	0.976662	0.328736	0.981636	chr5	17254535	17255039	+	0	NA	intron (N	intron (N	37156	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr1-1236	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2157957	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2051	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	L1MDa|LIN	13626	NM_001193	5929	Hs.519230	NM_005057	ENSG00000	RBBP5	RBQ3|SWD1	RB bindin	protein-coding
chr11-929	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr11	9290066	9291620	+	0	NA	intron (N	AluSz6|SI	23750	NM_001165	440026	Hs.594563	NM_015012	ENSG00000	TMEM41B	-	transmemb	protein-coding
chr12-122	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3884	NR_135044	1.01E+08	Hs.536336	NR_135044	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-553	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr14	55394561	55395347	+	0	NA	intron (N	intron (N	16904	NM_014924	22863	Hs.414809	NM_014924	ENSG00000	ATG14	ATG14L|BA	autophagy	protein-coding
chr15-287	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr15	28755873	28756869	+	0	NA	non-codin	non-codin	18788	NR_026589	440253	Hs.558967	NR_026589		WHAMMP2	WHAMML2|W	WAS prote	pseudo
chr15-553	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr15	55369011	55369371	+	0	NA	intron (N	intron (N	3843	NR_030358	693213		NR_030358	ENSG00000	MIR628	MIRN628|I	microRNA	ncRNA
chr16-301	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr16	30109748	30110704	+	0	NA	intron (N	AluY|SINE	3311	NM_024307	79153	Hs.289015	NM_024307	ENSG00000	GDPD3	GDE7	glyceroph	protein-coding
chr17-789	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr17	78912017	78912633	+	0	NA	intron (N	intron (N	-9124	NM_001243	1.01E+08	Hs.734636	NM_001243	ENSG00000	CEP295NL	DDC8|KIAA	CEP295 N-	protein-coding
chr19-214	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr19	21415427	21416593	+	0	NA	intron (N	HERVK9-in	18877	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr3-1342	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	29051	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr3-1850	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	HERVK9-in	134288	NM_001025	285382	Hs.245793	NM_001025	ENSG00000	C3orf70	-	chromosom	protein-coding
chr5-9065	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr5	9065020	9065369	+	0	NA	intron (N	intron (N	-11299	NR_039779	1.01E+08		NR_039779	ENSG00000	MIR4636	mir-4636	microRNA	ncRNA
chr5-8121	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr5	81212486	81212900	+	0	NA	intron (N	intron (N	-20627	NM_001825	1160	Hs.80691	NM_001825	ENSG00000	CKMT2	SMTCK	creatine	protein-coding
chr8-1438	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	TTS (NR_1	TTS (NR_1	264	NR_106904	1.02E+08		NR_106904	ENSG00000	MIR6845	hsa-mir-6	microRNA	ncRNA
chr9-1230	5.717507	0.952668	0.975512	0.976583	0.328776	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-11452	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr19-193	7.470263	0.843528	0.86387	0.976453	0.32884	0.981636	chr19	19330422	19330767	+	0	NA	intron (N	AluSp|SIN	9765	NM_015329	23383	Hs.654939	NM_015329	ENSG00000	MAU2	KIAA0892|	MAU2 sist	protein-coding
chr20-444	5.847003	-0.96683	0.990428	-0.97617	0.32898	0.981636	chr20	44486442	44486641	+	0	NA	intron (N	intron (N	10667	NM_001261	79183	Hs.283869	NM_024331	ENSG00000	TTPAL	C20orf121	alpha toc	protein-coding
chr12-372	21.87815	0.513396	0.526219	0.975632	0.329247	0.981636	chr12	37246196	37247334	+	0	NA	Intergeni	ALR/Alpha	-1070009	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCF	ALG10 alp	protein-coding
chr11-902	7.070075	-0.8875	0.909792	-0.9755	0.329314	0.981636	chr11	90212100	90212337	+	0	NA	intron (N	THE1B|LTR	10831	NM_012124	26973	Hs.22857	NM_012124	ENSG00000	CHORDC1	CHP1	cysteine	protein-coding
chr10-111	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr10	1116047	1117124	+	0	NA	intron (N	intron (N	-43183	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr14-105	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	-15621	NR_073082	1397	Hs.534309	NM_001312	ENSG00000	CRIP2	CRIP|CRP2	cysteine	protein-coding
chr16-161	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr16	16186053	16186403	+	0	NA	intron (N	MamRep564	37243	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr19-513	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr19	5132123	5135957	+	0	NA	exon (NM_	exon (NM_	164927	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-1193	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr2	1.19E+08	1.19E+08	+	0	NA	TTS (NM_	TTS (NM_	5846	NM_001079	1622	Hs.78888	NM_020548	ENSG00000	DBI	ACBD1|ACE	diazepam	protein-coding
chr4-1695	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	LTR41C|LT	36793	NM_001199	4750	Hs.481181	NM_012224	ENSG00000	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr7-1497	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	10903	NM_001290	84626	Hs.299560	NM_032534	ENSG00000	KRBA1	-	KRAB-A do	protein-coding
chrX-2016	5.750788	0.956141	0.980479	0.975178	0.329472	0.981636	chrX	20168820	20169382	+	0	NA	intron (N	AluJb|SIN	-27263	NM_001412	1964	Hs.522590	NM_001412	ENSG00000	EIF1AX	EIF1A|EIF	eukaryoti	protein-coding
chr1-8567	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr1	85670778	85671866	+	0	NA	intron (N	AluJo|SIN	37111	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr1-1804	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	8592	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-1930	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	AluSz|SIN	30008	NR_135615	1.07E+08		NR_135615	ENSG00000	SCARNA18B	-	small Ca	ncRNA
chr15-506	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr15	50656153	50657427	+	0	NA	intron (N	intron (N	30007	NR_149154	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr18-922	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr18	9221401	9222002	+	0	NA	intron (N	intron (N	84138	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr2-1031	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr2	10311983	10312182	+	0	NA	intron (N	(CATCAT)n	8382	NM_134421	3241	Hs.580427	NM_002149	ENSG00000	HPCAL1	BDR1|HLP2	hippocalc	protein-coding
chr20-449	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr20	44942715	44943011	+	0	NA	3’ UTR (N	3’ UTR (N	11301	NR_134986	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr5-1721	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr5	17218464	17221227	+	0	NA	intron (N	intron (N	2214	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr5-1361	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	20764	NM_001350	389332	Hs.127680	NM_001350	ENSG00000	SMIM32	-	small int	protein-coding
chr5-1795	7.452698	0.83608	0.857547	0.974967	0.329576	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	16978	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr1-1034	5.709649	0.955683	0.980429	0.97476	0.329679	0.981636	chr1	10349967	10350239	+	0	NA	intron (N	AluSc|SIN	-48961	NM_001304	5226	Hs.464071	NM_002631	ENSG00000	PGD	6PGD	phosphogl	protein-coding
chr19-186	5.709649	0.955683	0.980429	0.97476	0.329679	0.981636	chr19	18664822	18665552	+	0	NA	intron (N	AluSc8|SI	-18493	NM_015321	23373	Hs.371096	NM_015321	ENSG00000	CRTC1	MAML2|MEC	CREB regu	protein-coding
chr3-4458	8.903446	-0.77364	0.7937	-0.97473	0.329696	0.981636	chr3	44587756	44588348	+	0	NA	intron (N	AluSp|SIN	3088	NM_001351	1.1E+08	Hs.157035	NM_001351732		ZNF660-ZN	-	ZNF660-ZN	protein-coding
chr1-2294	8.293147	-0.83222	0.853946	-0.97456	0.329781	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	AluY|SINE	31080	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr1-1230	15.9031	0.591789	0.607245	0.974547	0.329785	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1531139	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-6644	7.972675	-0.85743	0.87986	-0.97451	0.329802	0.981636	chr2	66442600	66442799	+	0	NA	intron (N	intron (N	-2369	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr16-895	8.88773	-0.77093	0.791103	-0.9745	0.329811	0.981636	chr16	89586687	89588223	+	0	NA	intron (N	CpG-10265	11697	NM_014427	27132	Hs.461775	NM_014427	ENSG00000	CPNE7	-	copine 7	protein-coding
chr6-7139	8.88773	-0.77093	0.791103	-0.9745	0.329811	0.981636	chr6	71397679	71397878	+	0	NA	Intergeni	L2a|LINE|	5843	NR_029504	407029		NR_029504	ENSG00000	MIR30A	MIRN30A|m	microRNA	ncRNA
chr6-8551	8.88773	-0.77093	0.791103	-0.9745	0.329811	0.981636	chr6	85510064	85510617	+	0	NA	intron (N	L1MC1|LIN	60257	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nucleo	protein-coding
chr18-585	5.93899	-0.94228	0.967179	-0.97426	0.329928	0.981636	chr18	58533154	58533993	+	0	NA	intron (N	AluJb|SIN	-67047	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr2-1281	5.93899	-0.94228	0.967179	-0.97426	0.329928	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MB7|LIN	55426	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr19-210	5.946848	-0.94422	0.969199	-0.97423	0.329944	0.981636	chr19	21042046	21043153	+	0	NA	intron (N	AluY|SINE	21942	NM_001172	80264	Hs.729202	NM_025189	ENSG00000	ZNF430	-	zinc fing	protein-coding
chr10-399	12.17555	0.694617	0.713282	0.973832	0.33014	0.981636	chr10	39997253	39997700	+	0	NA	Intergeni	ALR/Alpha	1300880	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-254	39.27387	0.413286	0.424476	0.973638	0.330236	0.981636	chr19	25463440	25464484	+	0	NA	Intergeni	ALR/Alpha	-1300515	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-117	12.32335	-0.65934	0.677416	-0.97332	0.330392	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluJb|SIN	2641	NR_110269	5049	Hs.728488	NM_002572	ENSG00000	PAFAH1B2	HEL-S-303	platelet	protein-coding
chr19-252	9.236886	0.763659	0.784847	0.973003	0.330552	0.981636	chr19	25231443	25232990	+	0	NA	Intergeni	ALR/Alpha	-1068769	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr15-589	8.681593	0.793947	0.815989	0.972987	0.33056	0.981636	chr15	58992086	58992749	+	0	NA	intron (N	L1MC5a|LI	4271	NM_001270	54778	Hs.404423	NM_017610	ENSG00000	RNF111	ARK|hRNF1	ring fing	protein-coding
chr13-413	7.120922	-0.87161	0.89603	-0.97275	0.330679	0.981636	chr13	41357163	41357385	+	0	NA	intron (N	AluJr|SIN	-45236	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochon	protein-coding
chr4-1232	7.120922	-0.87161	0.89603	-0.97275	0.330679	0.981636	chr4	1232900	1233199	+	0	NA	intron (N	intron (N	16081	NM_001328	1487	Hs.208597	NM_001328	ENSG00000	CTBP1	BARS|HADD	C-termina	protein-coding
chr7-7777	7.120922	-0.87161	0.89603	-0.97275	0.330679	0.981636	chr7	77778792	77779381	+	0	NA	exon (NM_	exon (NM_	19348	NM_032936	85025	Hs.19025	NM_032936	ENSG00000	TMEM60	C7orf35|D	transmemb	protein-coding
chr9-1054	7.120922	-0.87161	0.89603	-0.97275	0.330679	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	L1PA3|LIN	-30023	NR_104269	26134	Hs.113150	NR_104269	ENSG00000	RALGAPA1P	GARNL2|GA	Ral GTPas	pseudo
chr1-1205	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-78776	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr11-680	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr11	68024142	68026347	+	0	NA	intron (N	intron (N	-5437	NM_002496	4728	Hs.90443	NM_002496	ENSG00000	NDUFS8	CI-23k|CI	NADH:ubic	protein-coding
chr13-244	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr13	24432637	24434439	+	0	NA	intron (N	MIR|SINE|	79240	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-556	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr14	55652054	55652592	+	0	NA	intron (N	intron (N	72116	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr16-309	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr16	30984122	30984321	+	0	NA	promoter-	promoter-	-986	NM_001142	80270	Hs.460618	NM_025193	ENSG00000	HSD3B7	CBAS1|PFI	hydroxy-d	protein-coding
chr17-383	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr17	38377451	38378604	+	0	NA	intron (N	intron (N	26183	NM_014598	30837	Hs.514132	NM_014598	ENSG00000	SOCS7	NAP4|NCKA	suppresso	protein-coding
chr17-383	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr17	38395497	38397187	+	0	NA	intron (N	intron (N	-32122	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr19-524	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr19	52455903	52461278	+	0	NA	intron (N	intron (N	5037	NM_001099	147660	Hs.157287	NM_152472	ENSG00000	ZNF578	-	zinc fing	protein-coding
chr2-2414	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	-36078	NR_036083	1E+08		NR_036083	ENSG00000	MIR3133	-	microRNA	ncRNA
chr20-318	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr20	3189530	3195792	+	0	NA	intron (N	intron (N	12021	NM_023935	65992	Hs.471975	NM_023935	ENSG00000	DDRGK1	C20orf116	DDRGK dom	protein-coding
chr22-393	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr22	39377844	39378483	+	0	NA	3’ UTR (N	3’ UTR (N	13993	NM_145738	9145	Hs.216226	NM_004711	ENSG00000	SYNGR1	-	synaptogy	protein-coding
chr22-422	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr22	42213970	42214866	+	0	NA	exon (NM_	exon (NM_	923	NM_181492	6942	Hs.475018	NM_005650	ENSG00000	TCF20	AR1|DDVIE	transcrip	protein-coding
chr3-5168	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr3	51684372	51685981	+	0	NA	intron (N	intron (N	13549	NR_103462	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr5-4361	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr5	43613177	43613900	+	0	NA	intron (N	intron (N	-10308	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr5-1795	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSc5|SI	10397	NM_001040	80230	Hs.306769	NM_025158	ENSG00000	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr6-1579	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-40993	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1001	7.460556	0.833813	0.857647	0.97221	0.330946	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	5837	NM_001364	6878	Hs.489309	NM_005641	ENSG00000	TAF6	ALYUS|MGC	TATA-box	protein-coding
chr5-9716	7.154204	-0.86557	0.890324	-0.9722	0.330951	0.981636	chr5	97165813	97166185	+	0	NA	TTS (NM_	TTS (NM_	17248	NM_001159	55781	Hs.27021	NM_018343	ENSG00000	RIOK2	RIO2	RIO kinas	protein-coding
chr7-1437	7.154204	-0.86557	0.890324	-0.9722	0.330951	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (N	L2a|LINE|	-8284	NM_001130	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chr8-1304	7.154204	-0.86557	0.890324	-0.9722	0.330951	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	8996	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding

chrX-1543	10.60554	-0.70577	0.726504	-0.97146	0.331318	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	promoter-	promoter-	-658	NR_000011	26778	Hs.534404	NR_000011	ENSG00000	SNORA70	DXS648E|F	small nuc	snoRNA
chr10-733	6.938544	0.880917	0.906917	0.971331	0.331383	0.981636	chr10	73392230	73392541	+	0	NA	intron (N	L1PA5|LIN	21673	NM_001156	310	Hs.631827	NM_001156	ENSG00000	ANXA7	ANX7|SNX|	annexin A	protein-coding
chr11-625	8.84659	-0.77423	0.797085	-0.97132	0.331386	0.981636	chr11	62515135	62515908	+	0	NA	TTS (NM_0	TTS (NM_0	30143	NM_001346	79026	Hs.502756	NM_001620	ENSG00000	AHNAK	AHNAKRS|F	AHNAK nuc	protein-coding
chr2-2267	8.84659	-0.77423	0.797085	-0.97132	0.331386	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	33328	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr6-1051	7.44484	0.83838	0.863451	0.970964	0.331566	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	20888	NM_147147	11149	Hs.221660	NM_007073	ENSG00000	BVES	CARICK|HE	blood ves	protein-coding
chr9-1378	7.44484	0.83838	0.863451	0.970964	0.331566	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3264	NR_030333	693187		NR_030333	ENSG00000	MIR602	MIRN602|F	microRNA	ncRNA
chr19-131	8.607171	0.790921	0.814951	0.970513	0.331791	0.981636	chr19	13138489	13138711	+	0	NA	3’ UTR (N	3’ UTR (N	11775	NM_001271	8677	Hs.43812	NM_003765	ENSG00000	STX10	SYN10|hsy	syntaxin	protein-coding
chr1-3206	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr1	32064231	32065420	+	0	NA	Intergeni	AluSz6|SI	-7206	NM_001319	55116	Hs.25544	NM_018056	ENSG00000	TMEM39B	-	transmemb	protein-coding
chr12-288	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr12	2886524	2887078	+	0	NA	intron (N	intron (N	-4090	NM_003324	7289	Hs.655333	NM_003324	ENSG00000	TULP3	TUBL3	TUB like	protein-coding
chr16-718	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr16	71802501	71802926	+	0	NA	intron (N	AluSx1|SI	6121	NM_001030	164	Hs.461253	NM_001128	ENSG00000	AP1G1	ADTG|CLAF	adaptor r	protein-coding
chr19-383	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr19	38393146	38393657	+	0	NA	intron (N	AluSx1|SI	3109	NR_073032	399473	Hs.196011	NM_001039	ENSG00000	SPRED3	Eve-3|spr	sprouty r	protein-coding
chr3-2740	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr3	27408553	27408937	+	0	NA	intron (N	intron (N	-39285	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-3704	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr3	37040956	37041462	+	0	NA	intron (N	intron (N	47859	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-7290	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr3	72909669	72910011	+	0	NA	intron (N	intron (N	21794	NM_001080	727936	Hs.710275	NM_001080	ENSG00000	GXYLT2	GLT8D4	glucoside	protein-coding
chr5-9465	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr5	94654910	94656717	+	0	NA	intron (N	L1M2b|LIN	37144	NM_032290	84250	Hs.657315	NM_032290	ENSG00000	SLF1	ANKRD32|E	SMC5-SMC6	protein-coding
chr5-1264	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	L1MB8|LIN	7086	NM_001349	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr7-7298	5.931132	-0.94027	0.969064	-0.97029	0.331902	0.981636	chr7	72987991	72988682	+	0	NA	Intergeni	AluSz|SIN	17607	NR_040582	442578	Hs.632310	NM_001013739		STAG3L3	STAG3L1|S	stromal a	pseudo
chr15-491	5.864569	-0.95513	0.985445	-0.96923	0.332429	0.981636	chr15	49124125	49124419	+	0	NA	3’ UTR (N	3’ UTR (N	31327	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sigr	protein-coding
chr3-6383	5.864569	-0.95513	0.985445	-0.96923	0.332429	0.981636	chr3	63834679	63834908	+	0	NA	intron (N	intron (N	15494	NM_001355	132200	Hs.506386	NM_001355	ENSG00000	C3orf49	-	chromosom	protein-coding
chr3-1727	5.864569	-0.95513	0.985445	-0.96923	0.332429	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	AluJr|SIN	33246	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr6-2478	5.864569	-0.95513	0.985445	-0.96923	0.332429	0.981636	chr6	24783462	24784903	+	0	NA	intron (N	intron (N	8769	NM_001251	51053	Hs.234896	NM_015895	ENSG00000	GMNN	Gem|MGORS	geminin D	protein-coding
chr15-648	4.633639	-1.07325	1.107821	-0.96879	0.332648	0.981636	chr15	64820868	64821455	+	0	NA	intron (N	intron (N	4486	NM_025049	80119	Hs.112160	NM_025049	ENSG00000	PIF1	C15orf20|	PIF1 5’-t	protein-coding
chr20-583	4.633639	-1.07325	1.107821	-0.96879	0.332648	0.981636	chr20	58393798	58394615	+	0	NA	intron (N	intron (N	4977	NR_036633	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMF	VAMP assc	protein-coding
chr17-767	11.77961	-0.68762	0.709783	-0.96878	0.332657	0.981636	chr17	76735468	76736170	+	0	NA	promoter-	promoter-	729	NR_030366	693221		NR_030366	ENSG00000	MIR636	MIRN636|F	microRNA	ncRNA
chr1-2377	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr1	23770542	23772019	+	0	NA	intron (N	AluJb|SIN	7017	NR_038280	1.01E+08	Hs.592549	NR_038280	ENSG00000	ELOA-AS1	TCEB3-AS1	ELOA ant	ncRNA
chr1-3172	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr1	31729934	31732657	+	0	NA	exon (NM_	exon (NM_	-27278	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr1-2042	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	HERVL-int	-24233	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|C	golgi tra	protein-coding
chr1-2466	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	77587	NM_152609	163882	Hs.368353	NM_152609	ENSG00000	CNST	C1orf71|F	consortin	protein-coding
chr10-973	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr10	97366513	97369761	+	0	NA	intron (N	AluSz|SIN	33203	NM_015179	23223	Hs.434251	NM_015179	ENSG00000	RRP12	KIAA0690	ribosomal	protein-coding
chr15-909	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr15	90906257	90907057	+	0	NA	intron (N	intron (N	2467	NR_135504	4122	Hs.116459	NM_006122	ENSG00000	MAN2A2	MANA2X	mannosida	protein-coding
chr16-488	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr16	4886293	4886895	+	0	NA	intron (N	intron (N	38214	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr16-289	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr16	28908511	28909407	+	0	NA	intron (N	intron (N	16279	NM_024816	79874	Hs.555978	NM_024816	ENSG00000	RABEP2	FRA	rabaptin,	protein-coding
chr17-763	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr17	76310972	76311781	+	0	NA	3’ UTR (N	3’ UTR (N	-3696	NM_032134	84074	Hs.252739	NM_032134	ENSG00000	QRICH2	SPGF35	glutamine	protein-coding
chr20-623	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr20	62329743	62333961	+	0	NA	TTS (NR_0	TTS (NR_0	705	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr22-238	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr22	23868853	23870169	+	0	NA	intron (N	AluJb|SIN	11636	NM_001024	66035	Hs.661910	NM_030807	ENSG00000	SLC2A11	GLUT10|GI	solute ca	protein-coding
chr3-7576	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr3	75760107	75764857	+	0	NA	intron (N	L1MB2|LIN	22520	NM_001324	1E+08	Hs.556877	NM_001128	ENSG00000	ZNF717	OB1|X17|Z	zinc fing	protein-coding
chr4-3021	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr4	3021531	3021888	+	0	NA	intron (N	intron (N	52805	NR_045414	1.01E+08	Hs.575112	NR_045414		HTT-AS	HTT-AS1|F	HTT antis	ncRNA
chr5-6715	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr5	67154424	67155777	+	0	NA	intron (N	intron (N	41699	NM_005582	4064	Hs.87205	NM_005582	ENSG00000	CD180	LY64|Ly78	CD180 mol	protein-coding
chr5-1769	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	23742	NM_016290	51720	Hs.232721	NM_016290	ENSG00000	UIMC1	RAP80|X2F	ubiquitin	protein-coding
chr6-3115	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr6	31154613	31155415	+	0	NA	intron (N	intron (N	2775	NM_001105	54535	Hs.485075	NM_019052	ENSG00000	CCHCR1	C6orf18|F	coiled-cc	protein-coding
chr9-1048	5.725365	0.949639	0.98034	0.968684	0.332703	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	42451	NM_005502	19	Hs.659274	NM_005502	ENSG00000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr10-145	10.62911	-0.70927	0.732423	-0.96838	0.332853	0.981636	chr10	14519819	14521837	+	0	NA	3’ UTR (N	3’ UTR (N	11886	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr3-1959	9.211462	0.759384	0.784292	0.968242	0.332924	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	Intergeni	LTR16C|LT	31365	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SI	succinate	pseudo
chr2-6130	14.19518	0.616397	0.636622	0.96823	0.332929	0.981636	chr2	61306391	61307161	+	0	NA	intron (N	L1PA5|LIN	110601	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr19-181	7.493837	0.83665	0.864179	0.968144	0.332972	0.981636	chr19	18130532	18134840	+	0	NA	intron (N	intron (N	-20477	NR_162071	5296	Hs.371344	NM_005027	ENSG00000	PIK3R2	MPPH|MPPF	phosphoin	protein-coding
chr19-575	7.493837	0.83665	0.864179	0.968144	0.332972	0.981636	chr19	57512608	57517333	+	0	NA	3’ UTR (N	3’ UTR (N	-12355	NR_153263	256051	Hs.744289	NM_153263	ENSG00000	ZNF549	-	zinc fing	protein-coding
chr2-1052	7.493837	0.83665	0.864179	0.968144	0.332972	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	L1MC5a|LI	31789	NR_137328	9392	Hs.446350	NM_004257	ENSG00000	TGFBRAP1	TRAP-1|TF	transform	protein-coding
chr12-911	10.59768	-0.7046	0.728072	-0.96776	0.333166	0.981636	chr12	91144657	91159398	+	0	NA	intron (N	intron (N	26619	NM_133506	1634	Hs.156316	NM_001920	ENSG00000	DCN	CSCD|DSPC	decorin	protein-coding
chr1-8410	8.410557	-0.80809	0.83502	-0.96774	0.333172	0.981636	chr1	8410304	8410572	+	0	NA	intron (N	L3|LINE|C	13394	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr7-9267	6.567479	-0.95401	0.986129	-0.96743	0.333331	0.981636	chr7	92670593	92670850	+	0	NA	intron (N	L3|LINE|C	-80331	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr1-1235	11.45896	0.683495	0.706782	0.967052	0.333518	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2070827	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-550	6.997249	0.889311	0.920486	0.966131	0.333978	0.981636	chr19	55094573	55094929	+	0	NA	exon (NM_	exon (NM_	14359	NM_017729	54869	Hs.438862	NM_017729	ENSG00000	EPS8L1	DRC3|EPS8	EPS8 like	protein-coding
chr20-582	6.997249	0.889311	0.920486	0.966131	0.333978	0.981636	chr20	58269001	58269343	+	0	NA	intron (N	intron (N	40267	NR_003505	55370	Hs.473179	NM_018498		PPP4R1L	C20orf192	protein p	pseudo
chr1-1247	152.1516	0.292492	0.302749	0.966121	0.333984	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3222330	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-535	7.427274	0.830959	0.860126	0.96609	0.333999	0.981636	chr17	535736	536922	+	0	NA	intron (N	intron (N	-90389	NM_182705	359845	Hs.345588	NM_182705	ENSG00000	RFLNB	CFM1|FAM1	refilin B	protein-coding
chr19-484	7.427274	0.830959	0.860126	0.96609	0.333999	0.981636	chr19	48452711	48453417	+	0	NA	3’ UTR (N	3’ UTR (N	-2643	NM_013348	3770	Hs.144011	NM_013348	ENSG00000	KCNJ14	IRK4|KIR2	potassium	protein-coding
chr7-1385	7.427274	0.830959	0.860126	0.96609	0.333999	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	HERV3-int	99169	NM_001331	136306	Hs.99414	NM_174959	ENSG00000	SVOPL	-	SVOP like	protein-coding
chr1-1507	9.144899	0.754578	0.781116	0.966027	0.334031	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	L2c|LINE|	11105	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTS02|CTS	cathepsin	protein-coding
chr20-490	9.144899	0.754578	0.781116	0.966027	0.334031	0.981636	chr20	49022892	49023710	+	0	NA	intron (N	MER63A|DN	22755	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr12-133	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MEc|LIN	10978	NM_015394	7556	Hs.573983	NM_015394	ENSG00000	ZNF10	KOX1	zinc fing	protein-coding
chr16-467	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr16	4677560	4678282	+	0	NA	intron (N	AluJb|SIN	6603	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr20-336	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr20	33622885	33623459	+	0	NA	exon (NM_	exon (NM_	-39155	NM_080825	128864	Hs.324104	NM_080825	ENSG00000	C20orf144	dJ63M2.6	chromosom	protein-coding
chr22-178	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr22	17816406	17817016	+	0	NA	exon (NM_	exon (NM_	39421	NR_103718	200298	Hs.517397	NR_103718	ENSG00000	LINC00528	C22orf37	long inte	ncRNA
chr5-9385	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr5	93857010	93857468	+	0	NA	intron (N	L1PA3|LIN	-115639	NM_153216	134187	Hs.678995	NM_153216	ENSG00000	POU5F2	SPRM-1	POU domai	protein-coding
chr5-1685	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	4982	NM_024594	79646	Hs.388400	NM_024594	ENSG00000	PANK3	-	pantother	protein-coding
chr8-3276	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr8	32763278	32764743	+	0	NA	exon (NM_	exon (NM_	42175	NM_001322	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr8-1434	5.692083	0.946162	0.97968	0.965787	0.334151	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-6973	NM_201589	389692		NM_201589	ENSG00000	MAFA	INSDM|RIF	MAF bZIP	protein-coding
chr2-9443	9.725616	0.731994	0.758001	0.96569	0.334199	0.981636	chr2	9443632	9444294	+	0	NA	intron (N	MIR|SINE|	20309	NM_016207	51692	Hs.515972	NM_016207	ENSG00000	CPSF3	CPSF-73|C	cleavage	protein-coding
chr9-1643	7.613811	-0.82626	0.855973	-0.96529	0.334402	0.981636	chr9	16436564	16437055	+	0	NA	exon (NM_	exon (NM_	-160496	NM_001364	1E+08	Hs.586441	NM_001271	ENSG00000	C9orf92	Em:AL5134	chromosom	protein-coding
chr19-578	7.605953	-0.82465	0.854435	-0.96515	0.334472	0.981636	chr19	57851863	57852385	+	0	NA	intron (N	intron (N	2265	NM_001204	84914	Hs.642598	NM_032828	ENSG00000	ZNF587	ZF6	zinc fing	protein-coding
chr2-7454	7.605953	-0.82465	0.854435	-0.96515	0.334472	0.981636	chr2	74549622	74551186	+	0	NA	promoter-	promoter-	-878	NM_001289	84695	Hs.469045	NM_032603	ENSG00000	LOXL3	LOXL	lysyl oxi	protein-coding
chr4-1009	7.605953	-0.82465	0.854435	-0.96515	0.334472	0.981636	chr4	10098714	10099307	+	0	NA	exon (NM_	exon (NM_	17789	NM_005112	9948	Hs.128548	NM_005112	ENSG00000	WDR1	AIP1|HEL-	WD repeat	protein-coding
chr5-1461	7.605953	-0.82465	0.854435	-0.96515	0.334472	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-27356	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr10-133	8.069444	0.831812	0.861875	0.965119	0.334485	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJb|SIN	-13468	NM_145806	118472	Hs.422113	NM_145806	ENSG00000	ZNF511	-	zinc fing	protein-coding
chr10-499	4.659062	-1.06098	1.099482	-0.96498	0.334556	0.981636	chr10	49984541	49984854	+	0	NA	intron (N	L2a|LINE|	-3621	NM_001365	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr10-686	4.659062	-1.06098	1.099482	-0.96498	0.334556	0.981636	chr10	68680777	68681652	+	0	NA	intron (N	intron (N	-40025	NM_018237	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr19-512	4.659062	-1.06098	1.099482	-0.96498	0.334556	0.981636	chr19	5123391	5124116	+	0	NA	intron (N	intron (N	154640	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TI	lysine de	protein-coding
chr20-254	4.659062	-1.06098	1.099482	-0.96498	0.334556	0.981636	chr20	25429181	25431212	+	0	NA	intron (N	AluSx4|SI	22513	NR_134574	9837	Hs.658464	NM_021067	ENSG00000	GINS1	IMD55|PSF	GINS comp	protein-coding
chr4-5639	4.659062	-1.06098	1.099482	-0.96498	0.334556	0.981636	chr4	56394814	56396047	+	0	NA	exon (NM_	exon (NM_	-7922	NM_001286	132949	Hs.104347	NM_181806	ENSG00000	AASDH	ACSF4|LYS	aminoadip	protein-coding
chr2-3323	5.889992	-0.94558	0.980363	-0.96452	0.334787	0.981636	chr2	33233128	33233327	+	0	NA	intron (N	L1MEd|LIN	98630	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr4-8004	5.889992	-0.94558	0.980363	-0.96452	0.334787	0.981636	chr4	80042859	80043273	+	0	NA	intron (N	L1PB4|LIN	30163	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr6-1350	5.889992	-0.94558	0.980363	-0.96452	0.334787	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	14956	NM_001145	10767	Hs.378532	NM_006620	ENSG00000	HBS1L	EF-1a|ERF	HBS1 like	protein-coding
chr7-1490	5.889992	-0.94558	0.980363	-0.96452	0.334787	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1M5|LINE	13525	NM_152411	136051	Hs.729572	NM_152411	ENSG00000	ZNF786	-	zinc fing	protein-coding
chr16-501	5.839145	-0.96503	1.000838	-0.96422	0.334936	0.981636	chr16	50102804	50103443	+	0	NA	intron (N	intron (N	37153	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr4-1126	5.839145	-0.96503	1.000838	-0.96422	0.334936	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-6634	NR_146092	1.1E+08	Hs.642978	NR_146092	ENSG00000	MIR302CHG	-	miR-302/3	ncRNA
chr22-171	5.684225	0.949161	0.984637	0.963971	0.33506	0.981636	chr22	17101958	17102929	+	0	NA	intron (N	intron (N	17484	NM_001289	23765	Hs.48353	NM_014339	ENSG00000	IL17RA	CANDF5|CI	interleuk	protein-coding
chr8-1448	5.684225	0.949161	0.984637	0.963971	0.33506	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	TTS (NM_2	TTS (NM_2	11209	NM_001317	340385	Hs.521942	NM_213605	ENSG00000	ZNF517	-	zinc fing	protein-coding
chr5-4924	27.31962	0.467135	0.484659	0.963843	0.335125	0.981636	chr5	49243263	49244213	+	0	NA	Intergeni	ALR/Alpha	1197550	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-1634	10.16951	-0.7301	0.757683	-0.9636	0.335245	0.981636	chr6	1.63E+08	1.63E+08	+	0	NA	intron (N	AluSq|SIN	64371	NM_206853	9444	Hs.510324	NM_006775	ENSG00000	QKI	Hqk|QK|QK	QKI, KH c	protein-coding
chr1-6660	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr1	66607310	66608082	+	0	NA	intron (N	intron (N	-20744	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-8881	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr1	88816248	88817721	+	0	NA	intron (N	L1PA7|LIN	74583	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr1-1462	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSz|SIN	22164	NM_001364	388677	Hs.655156	NM_203458	ENSG00000	NOTCH2NLA	N2N|NOTCH	notch 2 N	protein-coding
chr1-2284	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	exon (NM_	exon (NM_	-4321	NM_145214	81559	Hs.13543	NM_145214	ENSG00000	TRIM11	BIA1|RNF9	tripartit	protein-coding
chr15-657	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr15	65721805	65722896	+	0	NA	intron (N	AluJb|SIN	-3018	NR_039736	1.01E+08		NR_039736	ENSG00000	MIR4511	mir-4511	microRNA	ncRNA
chr19-168	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr19	16838402	16839281	+	0	NA	intron (N	AluSx3|SI	9443	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 trar	protein-coding
chr19-444	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr19	44428711	44435222	+	0	NA	non-codir	non-codir	16506	NR_103551	7772	Hs.709348	NM_014518	ENSG00000	ZNF229	-	zinc fing	protein-coding
chr2-2731	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr2	27315929	27316233	+	0	NA	intron (N	intron (N	7016	NM_002437	4358	Hs.75659	NM_002437	ENSG00000	MPV17	CMT2EE|MI	mitochonc	protein-coding
chr2-5397	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr2	53975698	53978843	+	0	NA	intron (N	AluSc8|SI	6157	NM_001320	98	Hs.516173	NM_138448	ENSG00000	ACYP2	ACYM|ACYF	acylphosp	protein-coding
chr22-299	7.435132	0.828681	0.860226	0.963329	0.335382	0.981636	chr22	29991513	29992033	+	0	NA	intron (N	intron (N	-15276	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr5-1601	7.639234	-0.81912	0.850319	-0.96331	0.33539	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	5’ UTR (N	5’ UTR (N	2751	NR_146217	114825	Hs.744960	NM_052927	ENSG00000	PWWP2A	MST101	PWWP doma	protein-coding
chr7-1397	7.639234	-0.81912	0.850319	-0.96331	0.33539	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	65798	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr10-413	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr10	413860	414550	+	0	NA	intron (N	intron (N	-214359	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG00000	LOC101930	-	uncharact	ncRNA
chr10-136	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr10	13665151	13666621	+	0	NA	intron (N	intron (N	41681	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FF	FERM doma	protein-coding
chr12-108	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	3682	NM_001105	23603	Hs.330384	NM_014325	ENSG00000	CORO1C	HCRNN4	coronin 1	protein-coding
chr16-696	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr16	69673526	69674259	+	0	NA	intron (N	intron (N	34783	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr19-412	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr19	41228602	41229431	+	0	NA	intron (N	AluSq2|SI	2261	NM_001278	558	Hs.590970	NM_001699	ENSG00000	AXL	ARK|JTK11	AXL recep	protein-coding
chr2-6359	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr2	63597527	63597813	+	0	NA	intron (N	intron (N	8519	NM_001199	4190	Hs.526521	NM_005917	ENSG00000	MDH1	HEL-S-32|	malate de	protein-coding
chr9-1150	7.631376	-0.81755	0.848791	-0.9632	0.335449	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	MER4C|LTF	89496	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr13-459	9.733474	0.730266	0.758181	0.963181	0.335457	0.981636	chr13	45988086	45988944	+	0	NA	intron (N	AluSc8|SI	64231	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr17-590	9.733474	0.730266	0.758181	0.963181	0.335457	0.981636	chr17	59089531	59090123	+	0	NA	intron (N	AluJb|SIN	17053	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr15-851	5.701791	0.958834	0.995588	0.963083	0.335506	0.981636	chr15	85131487	85132096	+	0	NA	intron (N	L1M4|LINE	102990	NR_158179	1.02E+08	Hs.681665	NR_158179		LOC101929	-	golgin A2	pseudo
chr1-2021	11.40025	0.677969	0.704198	0.962753	0.335671	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10191	NM_138795	127829	Hs.497399	NM_138795	ENSG00000	ARL8A	ARL10B|GI	ADP ribos	protein-coding
chr1-1737	7.468413	0.831504	0.863759	0.962658	0.335719	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	49685	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr11-689	7.468413	0.831504	0.863759	0.962658	0.335719	0.981636	chr11	68929792	68930254	+	0	NA	intron (N	intron (N	26172	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglc	protein-coding
chr12-109	7.468413	0.831504	0.863759	0.962658	0.335719	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-14662	NR_038996	1E+08	Hs.660996	NR_038996		USP30-AS1	-	USP30 ant	ncRNA
chr17-760	7.468413	0.831504	0.863759	0.962658	0.335719	0.981636	chr17	76087569	76087768	+	0	NA	exon (NM_	exon (NM_	8486	NM_180990	353174	Hs.714919	NM_180990	ENSG00000	ZACN	L2|LGICZ|	zinc acti	protein-coding
chr22-413	7.468413	0.831504	0.863759	0.962658	0.335719	0.981636	chr22	41387422	41390995	+	0	NA	intron (N	AluY|SINE	7266	NM_003216	7008	Hs.181159	NM_003216	ENSG00000	TEF	-	TEF trans	protein-coding
chr1-1243	37.9137	0.408979	0.424862	0.962618	0.335739	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2829607	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-359	9.700192	0.727932	0.756371	0.962401	0.335848	0.981636	chr20	3598203	3598511	+	0	NA	intron (N	intron (N	65042	NM_022139	64096	Hs.302025	NM_022139	ENSG00000	GFRA4	-	GDNF fami	protein-coding
chr8-1408	9.700192	0.727932	0.756371	0.962401	0.335848	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx1|SI	-95301	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr19-582	7.621668	-0.82792	0.860335	-0.96233	0.335885	0.981636	chr19	58299928	58300772	+	0	NA	3’ UTR (N	3’ UTR (N	-5024	NR_144445	1.05E+08	Hs.435404	NR_144445	ENSG00000	ERVK3-1	-	endogenou	ncRNA
chr1-1191	5.923274	-0.93816	0.974951	-0.96226	0.335917	0.981636	chr1	1.19E+08	1.19E+08	+	0	NA	intron (N	L1PA4|LIN	-12100	NM_015836	10352	Hs.523506	NM_015836	ENSG00000	WARS2	NEMMLAS|T	tryptopha	protein-coding
chr11-720	5.923274	-0.93816	0.974951	-0.96226	0.335917	0.981636	chr11	72026332	72027044	+	0	NA	intron (N	intron (N	12397	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA

chr12-297	5.923274	-0.93816	0.974951	-0.96226	0.335917	0.981636	chr12	29775488	29776274	+	0	NA	intron (N	MER21C|LT	8061	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr20-384	5.923274	-0.93816	0.974951	-0.96226	0.335917	0.981636	chr20	38418447	38419588	+	0	NA	Intergeni	Intergeni	6313	NR_002910	26776	Hs.400876	NR_002910	ENSG00000	SNORA71B	RNU71B|U7	small nuc	snoRNA
chr6-1366	5.923274	-0.93816	0.974951	-0.96226	0.335917	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSz6|SI	35736	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr4-3199	7.419416	0.83323	0.866055	0.962098	0.336	0.981636	chr4	3199785	3200010	+	0	NA	exon (NM_	exon (NM_	-44472	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr11-300	8.921011	-0.76613	0.79641	-0.96198	0.33606	0.981636	chr11	3000240	3000439	+	0	NA	TTS (NM_0	TTS (NM_0	-8010	NM_001369	4676	Hs.731784	NM_005969	ENSG00000	NAP1L4	NAP1L4b|N	nucleosom	protein-coding
chr8-8978	7.598095	-0.8231	0.855684	-0.96192	0.336092	0.981636	chr8	89780168	89780509	+	0	NA	intron (N	intron (N	22522	NM_003821	8767	Hs.103755	NM_003821	ENSG00000	RIPK2	CARD3|CAR	receptor	protein-coding
chr10-120	5.962564	-0.94797	0.98551	-0.96191	0.336097	0.981636	chr10	12020963	12021964	+	0	NA	intron (N	AluJo|SIN	21346	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr13-757	10.64668	-0.70302	0.730984	-0.96174	0.336178	0.981636	chr13	75796768	75797598	+	0	NA	intron (N	intron (N	36522	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr2-2764	10.64668	-0.70302	0.730984	-0.96174	0.336178	0.981636	chr2	27645000	27645342	+	0	NA	intron (N	AluJr4|SI	16121	NM_007266	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr7-9904	10.64668	-0.70302	0.730984	-0.96174	0.336178	0.981636	chr7	99041635	99041924	+	0	NA	intron (N	intron (N	28614	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr3-1572	8.838732	-0.77282	0.803867	-0.96138	0.336359	0.981636	chr3	15723543	15724269	+	0	NA	intron (N	intron (N	-26535	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr22-402	9.152757	0.752698	0.783392	0.960819	0.336643	0.981636	chr22	40286285	40287076	+	0	NA	intron (N	intron (N	-59820	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr2-2398	8.656169	0.789274	0.821716	0.960519	0.336794	0.981636	chr2	23983253	23983953	+	0	NA	intron (N	intron (N	-26482	NM_001346	388931	Hs.407482	NM_001080	ENSG00000	MFSD2B	-	major fac	protein-coding
chr1-9675	7.647092	-0.82072	0.854651	-0.9603	0.336903	0.981636	chr1	96755599	96757069	+	0	NA	intron (N	AluSp|SIN	33696	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr10-619	7.647092	-0.82072	0.854651	-0.9603	0.336903	0.981636	chr10	61924264	61925093	+	0	NA	intron (N	intron (N	22979	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr3-1218	7.647092	-0.82072	0.854651	-0.9603	0.336903	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	17480	NM_001023	9657	Hs.604110	NM_001023	ENSG00000	IQCB1	NPHP5|PIQ	IQ motif	protein-coding
chr8-1408	7.647092	-0.82072	0.854651	-0.9603	0.336903	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-84763	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr1-1971	4.692344	-1.05132	1.094789	-0.96029	0.336908	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	Tigger1|D	30839	NM_018136	259266	Hs.121028	NM_018136	ENSG00000	ASPM	ASP|Calmb	abnormal	protein-coding
chr12-952	4.692344	-1.05132	1.094789	-0.96029	0.336908	0.981636	chr12	95272574	95273004	+	0	NA	intron (N	AluJb|SIN	-35631	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|h	microRNA	ncRNA
chr17-644	4.692344	-1.05132	1.094789	-0.96029	0.336908	0.981636	chr17	64485910	64486267	+	0	NA	intron (N	intron (N	10966	NM_007215	11232	Hs.437009	NM_007215	ENSG00000	POLG2	HP55|MTPC	DNA polym	protein-coding
chr2-1898	4.692344	-1.05132	1.094789	-0.96029	0.336908	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	non-codin	non-codin	93004	NM_001321	5378	Hs.111749	NM_000534	ENSG00000	PMS1	HNPCC3|ML	PMS1 homo	protein-coding
chr2-6122	7.146346	-0.86368	0.89967	-0.95999	0.337058	0.981636	chr2	61226024	61226335	+	0	NA	intron (N	Tigger17a	48761	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr6-1113	7.146346	-0.86368	0.89967	-0.95999	0.337058	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	75511	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr8-1233	7.146346	-0.86368	0.89967	-0.95999	0.337058	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluY|SINE	-9951	NR_037516	1.01E+08		NR_037516	ENSG00000	MIR548AA1	-	microRNA	ncRNA
chr1-9308	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr1	93084830	93085271	+	0	NA	intron (N	intron (N	5767	NM_007358	22823	Hs.31016	NM_007358	ENSG00000	MTF2	M96|PCL2|	metal res	protein-coding
chr12-459	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr12	45961752	45964004	+	0	NA	intron (N	L1MEd|LIN	27696	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr12-105	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	non-codin	non-codin	37875	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr16-158	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr16	15872350	15873342	+	0	NA	intron (N	intron (N	15757	NM_001304	123811	Hs.514179	NM_144600	ENSG00000	FOPNL	C16orf63|	FGFR1OP N	protein-coding
chr17-371	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr17	37120732	37120972	+	0	NA	intron (N	intron (N	87107	NR_036056	1E+08		NR_036056	ENSG00000	MIR2909	-	microRNA	ncRNA
chr18-585	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr18	58522362	58524763	+	0	NA	intron (N	L1PA3|LIN	-72410	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr3-1962	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	17995	NM_001312	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr6-5301	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr6	53013558	53013863	+	0	NA	exon (NM_	exon (NM_	18090	NR_001445	125050		NR_001445	ENSG00000	RN7SK	7SK	RNA compo	snRNA
chr8-1315	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr8	13153509	13154517	+	0	NA	intron (N	LTR12C|LT	-20724	NM_001348	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|H	DLC1 Rho	protein-coding
chr9-2183	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr9	21834326	21834662	+	0	NA	intron (N	MLT1D|LTR	31858	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr9-1363	7.623518	-0.81599	0.850027	-0.95995	0.337078	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	2225	NM_001200	26086	Hs.239370	NM_015597	ENSG00000	GPSM1	AGS3	G protein	protein-coding
chr1-1239	9.70805	0.726209	0.756552	0.959893	0.337109	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2443198	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1717	9.70805	0.726209	0.756552	0.959893	0.337109	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	27335	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr6-9054	9.70805	0.726209	0.756552	0.959893	0.337109	0.981636	chr6	90545789	90546081	+	0	NA	intron (N	MLT1J|LTR	41137	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr22-318	7.436982	0.840788	0.87605	0.959749	0.337182	0.981636	chr22	31806201	31806574	+	0	NA	intron (N	intron (N	52364	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr5-1083	7.436982	0.840788	0.87605	0.959749	0.337182	0.981636	chr5	1.08E+08	1.08E+08	+	0	NA	intron (N	L1M4|LINE	9504	NM_001163	64839	Hs.657225	NM_022824	ENSG00000	FBXL17	FBXO13|Fb	F-box and	protein-coding
chr17-569	10.53112	-0.71249	0.742481	-0.95961	0.337253	0.981636	chr17	56910732	56910942	+	0	NA	intron (N	intron (N	3212	NM_005082	7706	Hs.528952	NM_005082	ENSG00000	TRIM25	EFP|RNF14	tripartit	protein-coding
chrX-2407	9.270168	0.766093	0.799108	0.958685	0.337718	0.981636	chrX	2407107	2407483	+	0	NA	intron (N	LTR22C0|L	93244	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr7-9962	6.971825	0.883672	0.921942	0.95849	0.337816	0.981636	chr7	99628248	99628734	+	0	NA	intron (N	intron (N	11545	NM_001350	221785	Hs.446297	NM_145115	ENSG00000	ZSCAN25	ZNF498	zinc fing	protein-coding
chr11-782	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr11	78220837	78221369	+	0	NA	intron (N	intron (N	32184	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitin	protein-coding
chr11-125	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-50457	NM_001301	403312	Hs.450611	NM_203452		LOC403312	-	putative	protein-coding
chr12-501	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr12	50120934	50122126	+	0	NA	Intergeni	Intergeni	9294	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr15-415	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr15	41573727	41575133	+	0	NA	intron (N	MIR|SINE|	14458	NM_001330	7301	Hs.381282	NM_006293	ENSG00000	TYRO3	BYK|Dtk|E	TYRO3 pro	protein-coding
chr16-162	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr16	16206131	16208278	+	0	NA	intron (N	intron (N	16267	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr16-563	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr16	56362339	56363247	+	0	NA	3’ UTR (N	3’ UTR (N	62196	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr17-787	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr17	78707604	78707896	+	0	NA	intron (N	AluSc|SIN	9282	NM_001292	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr18-420	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr18	42030733	42030932	+	0	NA	intron (N	Helitron3	75598	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr2-2313	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-43890	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr20-582	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr20	58285949	58286895	+	0	NA	non-codin	non-codin	23017	NR_003505	55370	Hs.473179	NM_018498		PPP4R1L	C20orf192	protein p	pseudo
chr22-222	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr22	22293137	22295618	+	0	NA	Intergeni	G-rich|Lo	-3721	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr22-295	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr22	29512739	29513013	+	0	NA	intron (N	intron (N	32658	NM_021076	4744	Hs.198760	NM_021076	ENSG00000	NEFH	CMT2CC|NF	neurofila	protein-coding
chr3-5163	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr3	51633568	51637455	+	0	NA	intron (N	intron (N	-35664	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr3-1790	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	Intergeni	LTR1B|LTR	70295	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr4-1097	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	12760	NM_030821	81579	Hs.389452	NM_030821	ENSG00000	PLA2G12A	GXII|PLA2	phospholi	protein-coding
chr5-5443	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr5	5443284	5443924	+	0	NA	intron (N	intron (N	20927	NM_015325	23379	Hs.449296	NM_015325	ENSG00000	ICE1	KIAA0947	interacto	protein-coding
chr5-1128	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-49509	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr7-8959	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr7	895916	897366	+	0	NA	TTS (NM_0	TTS (NM_0	20087	NM_015949	51608	Hs.107387	NM_015949	ENSG00000	GET4	C7orf20|C	guided en	protein-coding
chr9-1254	5.699941	0.943075	0.984545	0.957879	0.338124	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L2b|LINE|	182171	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr19-270	33.33396	0.435903	0.455291	0.957415	0.338358	0.981636	chr19	27091791	27092829	+	0	NA	Intergeni	ALR/Alpha	-701121	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1591	5.758646	0.953057	0.995556	0.957312	0.33841	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-33652	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-1714	8.451697	-0.80409	0.840133	-0.9571	0.338517	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluJb|SIN	-42865	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr12-508	7.572671	-0.83051	0.867969	-0.95685	0.338645	0.981636	chr12	50818130	50818329	+	0	NA	intron (N	AluJr|SIN	-24697	NM_182559	283471	Hs.125571	NM_182559	ENSG00000	TMPRSS12	CT151	transmemb	protein-coding
chr12-476	7.113064	-0.86977	0.909047	-0.95679	0.338672	0.981636	chr12	47668124	47668323	+	0	NA	intron (N	intron (N	37807	NM_024604	79657	Hs.437855	NM_024604	ENSG00000	RPAP3	Tah1|hSpa	RNA polym	protein-coding
chr4-1186	9.244744	0.76175	0.79627	0.956648	0.338745	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJr|SIN	-7180	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr12-290	9.766756	0.732663	0.765955	0.956535	0.338802	0.981636	chr12	2909387	2910485	+	0	NA	intron (N	intron (N	19045	NM_001160	7289	Hs.655333	NM_003324	ENSG00000	TULP3	TUBL3	TUB like	protein-coding
chr1-1485	9.674769	0.723886	0.75684	0.956458	0.338841	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	3380	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr12-132	9.674769	0.723886	0.75684	0.956458	0.338841	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluJb|SIN	-7009	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr1-1931	10.82138	0.702162	0.734207	0.956353	0.338894	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	3832	NM_024529	79577	Hs.378996	NM_024529	ENSG00000	CDC73	C1orf28|F	cell divi	protein-coding
chr19-581	6.91312	0.875173	0.915152	0.956314	0.338914	0.981636	chr19	58147227	58147444	+	0	NA	intron (N	SVA_D|Ret	3454	NM_024620	79673	Hs.458377	NM_024620	ENSG00000	ZNF329	-	zinc fing	protein-coding
chr4-1361	6.91312	0.875173	0.915152	0.956314	0.338914	0.981636	chr4	13619102	13619340	+	0	NA	intron (N	AluJo|SIN	8504	NM_148894	259282	Hs.744935	NM_148894	ENSG00000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr17-688	5.203353	1.025461	1.072602	0.95605	0.339047	0.981636	chr17	68880300	68880865	+	0	NA	intron (N	MER52A|LT	74810	NM_001288	10351	Hs.58351	NM_007168	ENSG00000	ABCA8	-	ATP bindi	protein-coding
chr19-579	11.93012	0.656678	0.686922	0.955971	0.339087	0.981636	chr19	57940856	57943898	+	0	NA	exon (NM_	exon (NM_	5329	NM_005773	10172	Hs.596242	NM_005773	ENSG00000	ZNF256	BMZF-3|BM	zinc fing	protein-coding
chr1-1239	9.741332	0.728552	0.762197	0.955859	0.339144	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2392180	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1537	9.741332	0.728552	0.762197	0.955859	0.339144	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluJb|SIN	-16592	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr1-2446	9.741332	0.728552	0.762197	0.955859	0.339144	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	MER68|LTR	47019	NM_016076	51029	Hs.498317	NM_016076	ENSG00000	DESI2	C1orf121|	desumoyla	protein-coding
chr19-250	9.741332	0.728552	0.762197	0.955859	0.339144	0.981636	chr19	25058553	25059514	+	0	NA	Intergeni	ALR/Alpha	-895586	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-7574	9.741332	0.728552	0.762197	0.955859	0.339144	0.981636	chr3	75747203	75748094	+	0	NA	intron (N	L1PA5|LIN	9368	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr10-130	4.504328	1.061127	1.110436	0.955595	0.339277	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	24133	NM_001321	10539	Hs.42644	NM_006541	ENSG00000	GLRX3	GLRX4|GRX	glutaredo	protein-coding
chr2-1732	7.590237	-0.82157	0.859762	-0.95557	0.339288	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L2c|LINE|	70514	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr19-406	7.664658	-0.81208	0.850624	-0.95469	0.339737	0.981636	chr19	40626605	40627392	+	0	NA	exon (NM_	exon (NM_	25629	NM_001042	8425	Hs.466766	NM_003573	ENSG00000	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr10-919	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr10	91990634	91990833	+	0	NA	intron (N	AluSp|SIN	66963	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-779	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr11	77950179	77950507	+	0	NA	intron (N	L1PA7|LIN	44325	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTC	integrato	protein-coding
chr15-996	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr15	99635730	99636493	+	0	NA	intron (N	L1ME3A|LI	3133	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr18-107	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr18	10759513	10759783	+	0	NA	promoter-	promoter-	1	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr2-2025	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx4|SI	-101303	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr4-4468	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr4	44686260	44687319	+	0	NA	intron (N	intron (N	8369	NM_021927	60558	Hs.546419	NM_021927	ENSG00000	GUF1	EF-4|EF4|	GUF1 homo	protein-coding
chr5-3713	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr5	37139721	37139939	+	0	NA	intron (N	AluJo|SIN	-109216	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr7-1314	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	L1M7|LINE	112773	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr8-1301	7.6568	-0.81052	0.849095	-0.95458	0.339793	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-61942	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr20-268	19.64637	0.526925	0.55211	0.954384	0.339889	0.981636	chr20	26874111	26874945	+	0	NA	Intergeni	ALR/Alpha	-665295	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-3191	9.682627	0.72216	0.75702	0.953951	0.340109	0.981636	chr1	31910909	31911240	+	0	NA	intron (N	intron (N	26744	NM_001369	8073	Hs.470477	NM_003479	ENSG00000	PTP4A2	HH13|HH7-	protein t	protein-coding
chr15-426	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr15	42682030	42682997	+	0	NA	exon (NM_	exon (NM_	54615	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr15-748	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr15	74851077	74853564	+	0	NA	intron (N	intron (N	-9164	NM_001284	25989	Hs.513034	NM_001099	ENSG00000	ULK3	-	unc-51 li	protein-coding
chr2-3202	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr2	32023177	32023598	+	0	NA	TTS (NR_1	TTS (NR_1	-12379	NR_126034	51072	Hs.444969	NM_015955	ENSG00000	MEMO1	C2orf4|CC	mediator	protein-coding
chr3-7096	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr3	70963170	70963463	+	0	NA	intron (N	intron (N	101608	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr4-1387	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr4	1387102	1387600	+	0	NA	3’ UTR (N	3’ UTR (N	19091	NM_001290	54729	Hs.526396	NM_001290	ENSG00000	NKX1-1	HSPX153|N	NK1 homeo	protein-coding
chr7-6572	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr7	65726306	65726800	+	0	NA	intron (N	AluSz|SIN	24371	NR_103527	441242	Hs.373941	NM_001013	ENSG00000	LOC441242	-	uncharact	ncRNA
chr9-9991	7.44299	0.82632	0.866363	0.953781	0.340195	0.981636	chr9	99917704	99918164	+	0	NA	intron (N	MLT1J|LTR	11280	NM_017919	55014	Hs.704031	NM_017919	ENSG00000	STX17	-	syntaxin	protein-coding
chr19-375	7.40185	0.825765	0.865818	0.953739	0.340216	0.981636	chr19	37565336	37568094	+	0	NA	intron (N	L2a|LINE|	15341	NM_152606	163255	Hs.728927	NM_152606	ENSG00000	ZNF540	Nbla10512	zinc fing	protein-coding
chr2-7276	7.40185	0.825765	0.865818	0.953739	0.340216	0.981636	chr2	72763211	72763667	+	0	NA	intron (N	AluSz|SIN	62594	NM_001321	23233	Hs.303454	NM_015189	ENSG00000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr10-315	7.61566	-0.81442	0.854074	-0.95357	0.340303	0.981636	chr10	31516555	31517084	+	0	NA	intron (N	L4_A_Mam|	-117064	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-100	7.61566	-0.81442	0.854074	-0.95357	0.340303	0.981636	chr10	1E+08	1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3262	NM_001320	1147	Hs.198998	NM_001278	ENSG00000	CHUK	IKBKA|IKK	component	protein-coding
chr14-311	7.61566	-0.81442	0.854074	-0.95357	0.340303	0.981636	chr14	31154413	31154727	+	0	NA	intron (N	AluSx|SIN	53223	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr6-5651	7.61566	-0.81442	0.854074	-0.95357	0.340303	0.981636	chr6	56511084	56511537	+	0	NA	exon (NM_	exon (NM_	-117182	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr12-132	4.486762	1.049015	1.100116	0.95355	0.340312	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	14686	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|FI	DNA polym	protein-coding
chr7-5950	4.486762	1.049015	1.100116	0.95355	0.340312	0.981636	chr7	59500574	59502046	+	0	NA	Intergeni	ALR/Alpha	2051133	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr15-409	9.323763	-0.74057	0.776695	-0.95349	0.340343	0.981636	chr15	40986746	40987923	+	0	NA	intron (N	intron (N	33863	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr2-3025	9.349186	-0.73478	0.770836	-0.95322	0.340476	0.981636	chr2	30254912	30255934	+	0	NA	intron (N	intron (N	23889	NM_030915	81606	Hs.567598	NM_030915	ENSG00000	LBH	-	LBH regul	protein-coding
chr3-3145	9.349186	-0.73478	0.770836	-0.95322	0.340476	0.981636	chr3	3145008	3145397	+	0	NA	intron (N	intron (N	18262	NR_159940	51095	Hs.732725	NM_016000	ENSG00000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr4-1195	9.349186	-0.73478	0.770836	-0.95322	0.340476	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	L1M5|LINE	79770	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr2-4389	5.856711	-0.95318	1.000563	-0.95264	0.340772	0.981636	chr2	43890031	43890714	+	0	NA	intron (N	intron (N	51401	NM_022437	64241	Hs.413931	NM_022437	ENSG00000	ABCG8	GBD4|STSL	ATP bindi	protein-coding
chr9-7721	5.856711	-0.95318	1.000563	-0.95264	0.340772	0.981636	chr9	77213989	77214190	+	0	NA	intron (N	AluSz|SIN	-36172	NR_026668	1E+08	Hs.662256	NR_026668	ENSG00000	VPS13A-AS	-	VPS13A an	ncRNA
chr1-1712	10.61525	-0.69828	0.733761	-0.95165	0.341275	0.981636	chr1	1712188	1712387	+	0	NA	exon (NM_	exon (NM_	12070	NM_024011	728642	Hs.651228	NM_024011	ENSG00000	CDK11A	CDC2L2|CD	cyclin de	protein-coding
chr2-1725	10.61525	-0.69828	0.733761	-0.95165	0.341275	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	non-codin	non-codin	39833	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr19-369	8.015849	0.795726	0.836293	0.951493	0.341354	0.981636	chr19	36921917	36922800	+	0	NA	intron (N	MLT1F|LTR	6026	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr2-1139	7.179628	-0.85741	0.901193	-0.95142	0.341392	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSp|SIN	-10225	NR_110174	1.01E+08	Hs.741753	NR_110174		ACTR3-AS1	-	ACTR3 ant	ncRNA
chr5-1327	9.339479	-0.74331	0.781322	-0.95134	0.34143	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA5|LIN	13150	NM_001300	11127	Hs.43670	NM_007054	ENSG00000	KIF3A	FLA10|KLP	kinesin f	protein-coding
chr10-879	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr10	87932728	87935647	+	0	NA	intron (N	intron (N	70562	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr17-640	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr17	640319	640863	+	0	NA	intron (N	MIR3|SINE	74248	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding

chr17-409	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr17	4099458	4099657	+	0	NA	intron (N	AluSq2|SI	43473	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr19-243	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr19	2430652	2431029	+	0	NA	3’ UTR (N	3’ UTR (N	-3254	NM_012458	26517	Hs.75056	NM_012458	ENSG00000	TIMM13	TIM13|TIM	transloca	protein-coding
chr19-101	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr19	10171216	10173350	+	0	NA	intron (N	AluSx1|SI	22670	NM_001318	1786	Hs.202672	NM_001379	ENSG00000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr2-1731	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L1PA7|LIN	98517	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr2-1865	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	AluSc5|SI	14683	NM_018471	55854	Hs.741180	NM_018471	ENSG00000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr3-4450	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr3	44506727	44506926	+	0	NA	intron (N	AluSx|SIN	3791	NM_001287	285346	Hs.648974	NM_001287	ENSG00000	ZNF852	-	zinc fing	protein-coding
chr3-1110	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	MER68|LTR	23020	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr5-3466	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr5	34661077	34661276	+	0	NA	intron (N	Tigger4a|	4685	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr7-1309	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	6691	NR_110473	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-F	long inte	ncRNA
chr7-1348	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	26434	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAL	caldesmon	protein-coding
chr9-6458	7.648942	-0.80894	0.850331	-0.95133	0.341438	0.981636	chr9	6458471	6458810	+	0	NA	intron (N	L1PA7|LIN	45441	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr14-689	8.805451	-0.7777	0.817535	-0.95127	0.341467	0.981636	chr14	68976727	68977278	+	0	NA	intron (N	intron (N	2300	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr1-3814	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr1	3814520	3815284	+	0	NA	3’ UTR (N	3’ UTR (N	-18404	NM_020710	57470	Hs.268488	NM_020710	ENSG00000	LRRC47	-	leucine r	protein-coding
chr14-202	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr14	20289342	20289773	+	0	NA	3’ UTR (N	3’ UTR (N	16394	NM_138376	91875	Hs.98553	NM_138376	ENSG00000	TTC5	Strap	tetratric	protein-coding
chr6-3648	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr6	36485025	36485245	+	0	NA	intron (N	intron (N	42135	NM_173562	222658	Hs.188757	NM_173562	ENSG00000	KCTD20	C6orf69|c	potassium	protein-coding
chr7-1117	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-79793	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr9-8600	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr9	86007462	86007882	+	0	NA	intron (N	intron (N	66143	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr9-1312	7.409708	0.823462	0.865918	0.95097	0.34162	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MIR|SINE|	13159	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-2251	7.990425	0.79081	0.831651	0.950892	0.341659	0.981636	chr1	22517338	22518190	+	0	NA	intron (N	intron (N	-45725	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr2-1317	7.990425	0.79081	0.831651	0.950892	0.341659	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	L1PA5|LIN	20196	NR_149014	29798	Hs.635289	NM_013310		C2orf27A	C2orf27|C	chromosom	protein-coding
chr19-524	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr19	52465390	52466360	+	0	NA	intron (N	HERVKC4-i	12322	NM_001099	147660	Hs.157287	NM_152472	ENSG00000	ZNF578	-	zinc fing	protein-coding
chr2-2308	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7415	NR_038238	151484	Hs.559309	NR_038238	ENSG00000	LOC151484	-	uncharact	ncRNA
chr22-353	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr22	35337362	35339063	+	0	NA	intron (N	intron (N	-1413	NR_106717	1.02E+08		NR_106717	ENSG00000	MIR6069	hsa-mir-6	microRNA	ncRNA
chr3-1722	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	191873	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PF	fibronect	protein-coding
chr7-2314	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr7	23145525	23146445	+	0	NA	intron (N	AluJo|SIN	-36063	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr9-1377	5.733223	0.946446	0.995429	0.950792	0.34171	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-10312	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-2436	7.982567	0.792954	0.83415	0.950613	0.341801	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	L1MEg|LIN	195604	NM_181690	10000	Hs.498292	NM_005465	ENSG00000	AKT3	MPPH|MPPH	AKT serin	protein-coding
chr3-1979	4.478904	1.052944	1.107677	0.950588	0.341814	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	Tigger9a|	37464	NR_026786	89782	Hs.518540	NM_033029	ENSG00000	LMLN	GP63|INV|	leishmano	protein-coding
chr1-1199	7.564813	-0.82901	0.872113	-0.95058	0.341819	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-45041	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr5-1673	7.564813	-0.82901	0.872113	-0.95058	0.341819	0.981636	chr5	16737928	16738144	+	0	NA	intron (N	intron (N	-120978	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr18-688	5.666659	0.939514	0.988427	0.950514	0.341851	0.981636	chr18	68879175	68879760	+	0	NA	intron (N	LTR12C|LT	81387	NM_024781	79839	Hs.280781	NM_024781	ENSG00000	CCDC102B	ACY1L|AN|	coiled-co	protein-coding
chr20-635	5.666659	0.939514	0.988427	0.950514	0.341851	0.981636	chr20	63589168	63589619	+	0	NA	3’ UTR (N	3’ UTR (N	-15154	NM_001037	85441	Hs.517180	NM_033405	ENSG00000	HELZ2	PDIP-1|PF	helicase	protein-coding
chr7-1003	5.666659	0.939514	0.988427	0.950514	0.341851	0.981636	chr7	1E+08	1E+08	+	0	NA	TTS (NR_1	TTS (NR_1	1833	NR_103728	1.02E+08	Hs.521075	NR_103728		PVRIG2P	-	polioviru	pseudo
chr9-8164	5.666659	0.939514	0.988427	0.950514	0.341851	0.981636	chr9	81642916	81643480	+	0	NA	intron (N	L1MA9|LIN	46337	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr3-1278	9.341329	-0.73348	0.771705	-0.95046	0.341877	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	MER91A|DN	7108	NM_007283	11343	Hs.277035	NM_007283	ENSG00000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr13-984	5.915416	-0.93592	0.985152	-0.95002	0.3421	0.981636	chr13	98407029	98407228	+	0	NA	intron (N	intron (N	114997	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr3-1085	5.915416	-0.93592	0.985152	-0.95002	0.3421	0.981636	chr3	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME3A|LI	15001	NM_020890	57650	Hs.591308	NM_020890	ENSG00000	CIP2A	KIAA1524|	cell prol	protein-coding
chr6-1078	5.915416	-0.93592	0.985152	-0.95002	0.3421	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz6|SI	59995	NM_007214	11231	Hs.26904	NM_007214	ENSG00000	SEC63	DNAJC23|E	SEC63 hom	protein-coding
chr17-701	11.93798	0.655271	0.689863	0.949856	0.342185	0.981636	chr17	70175082	70177731	+	0	NA	3’ UTR (N	3’ UTR (N	6871	NM_000891	3759	Hs.1547	NM_000891	ENSG00000	KCNJ2	ATFB9|HHE	potassium	protein-coding
chr19-576	11.93798	0.655271	0.689863	0.949856	0.342185	0.981636	chr19	57699959	57705128	+	0	NA	exon (NM_	exon (NM_	6661	NR_110974	7710	Hs.646378	NM_003444	ENSG00000	ZNF154	pHZ-92	zinc fing	protein-coding
chr15-409	10.62726	-0.71822	0.756322	-0.94962	0.342303	0.981636	chr15	40954963	40955695	+	0	NA	intron (N	intron (N	1858	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr9-1104	8.897438	-0.76185	0.80272	-0.94908	0.34258	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	-90949	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr3-1325	5.658801	0.942521	0.993456	0.94873	0.342758	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-21307	NM_016557	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr11-648	8.830874	-0.77138	0.813233	-0.94854	0.342856	0.981636	chr11	64857673	64857889	+	0	NA	intron (N	intron (N	-13128	NM_017525	55561	Hs.293590	NM_017525	ENSG00000	CDC42BPG	DMPK2|HSM	CDC42 bin	protein-coding
chr14-451	9.382468	-0.7304	0.770504	-0.94795	0.343155	0.981636	chr14	45105841	45106319	+	0	NA	intron (N	AluSx|SIN	-4795	NR_003691	1E+08	Hs.712501	NR_003691	ENSG00000	SNORD127	-	small nuc	snoRNA
chr15-635	9.382468	-0.7304	0.770504	-0.94795	0.343155	0.981636	chr15	63559902	63560220	+	0	NA	intron (N	intron (N	-37326	NM_001367	283807	Hs.631163	NM_203373	ENSG00000	FBXL22	Fbl22	F-box and	protein-coding
chr5-6240	5.831287	-0.96328	1.016183	-0.94793	0.343163	0.981636	chr5	62400905	62401442	+	0	NA	intron (N	LTR33|LTR	2732	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-1342	4.684486	-1.04855	1.106171	-0.94791	0.343173	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	1459	NR_149151	5515	Hs.105818	NM_002715	ENSG00000	PPP2CA	NEDLBA|PF	protein p	protein-coding
chr6-1295	4.684486	-1.04855	1.106171	-0.94791	0.343173	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	Intergeni	L1PA7|LIN	137469	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr4-7701	10.54868	-0.70612	0.744973	-0.94784	0.34321	0.981636	chr4	77012248	77013104	+	0	NA	intron (N	intron (N	62234	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr14-311	9.37461	-0.7291	0.76927	-0.94778	0.343242	0.981636	chr14	31175642	31175859	+	0	NA	intron (N	AluSp|SIN	32043	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr18-594	9.37461	-0.7291	0.76927	-0.94778	0.343242	0.981636	chr18	59468499	59468744	+	0	NA	intron (N	intron (N	-109356	NM_005570	3998	Hs.465295	NM_005570	ENSG00000	LMAN1	ERGIC-53|	lectin, m	protein-coding
chr19-457	9.37461	-0.7291	0.76927	-0.94778	0.343242	0.981636	chr19	45786006	45786205	+	0	NA	exon (NM_	exon (NM_	-3615	NM_001288	1760	Hs.631596	NM_004409	ENSG00000	DMPK	DM|DM1|DM	DM1 prote	protein-coding
chr9-5933	9.37461	-0.7291	0.76927	-0.94778	0.343242	0.981636	chr9	5933252	5933614	+	0	NA	intron (N	intron (N	42544	NM_005511	2315	Hs.154069	NM_005511	ENSG00000	MLANA	MART-1|MA	melan-A	protein-coding
chr1-1798	7.965002	0.78596	0.829803	0.947164	0.343555	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSz6|SI	12042	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr14-731	7.965002	0.78596	0.829803	0.947164	0.343555	0.981636	chr14	73187961	73188160	+	0	NA	intron (N	AluSc|SIN	-49446	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr17-427	7.965002	0.78596	0.829803	0.947164	0.343555	0.981636	chr17	42719251	42720391	+	0	NA	intron (N	intron (N	-11670	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr17-633	7.965002	0.78596	0.829803	0.947164	0.343555	0.981636	chr17	63389362	63391034	+	0	NA	intron (N	intron (N	50069	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr19-364	7.965002	0.78596	0.829803	0.947164	0.343555	0.981636	chr19	36455055	36456325	+	0	NA	intron (N	AluSz6|SI	33745	NM_032838	84924	Hs.533939	NM_032838	ENSG00000	ZNF566	-	zinc fing	protein-coding
chr5-1348	7.957144	0.78808	0.832298	0.946872	0.343704	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	MLT1F|LTR	-32351	NM_152409	134553	Hs.708536	NM_152409	ENSG00000	C5orf24	-	chromosom	protein-coding
chr18-235	4.651204	-1.05832	1.117831	-0.94676	0.343762	0.981636	chr18	23527347	23527546	+	0	NA	intron (N	intron (N	23935	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|F	regulator	protein-coding
chr7-8405	4.651204	-1.05832	1.117831	-0.94676	0.343762	0.981636	chr7	84055623	84056190	+	0	NA	intron (N	intron (N	138883	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr11-777	9.690485	0.720403	0.761034	0.94661	0.343837	0.981636	chr11	77734528	77735215	+	0	NA	intron (N	intron (N	85963	NM_016578	51773	Hs.420229	NM_016578	ENSG00000	RSF1	HBXAP|RSF	remodelin	protein-coding
chr7-6628	9.690485	0.720403	0.761034	0.94661	0.343837	0.981636	chr7	66287294	66287732	+	0	NA	intron (N	L1HS|LINE	82179	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr3-1888	6.375023	-0.88281	0.932717	-0.94649	0.343897	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	intron (N	L1MCa|LIN	80339	NR_046873	1.01E+08	Hs.616287	NR_046873	ENSG00000	TPRG1-AS1	-	TPRG1 ant	ncRNA
chr5-9560	6.375023	-0.88281	0.932717	-0.94649	0.343897	0.981636	chr5	95601595	95601859	+	0	NA	intron (N	intron (N	-18360	NM_199243	285601	Hs.143315	NM_199243	ENSG00000	GPR150	PGR11	G protein	protein-coding
chr8-1191	6.375023	-0.88281	0.932717	-0.94649	0.343897	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-37738	NR_134297	1.02E+08	Hs.676598	NR_134297	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4890	45.56294	0.382778	0.404487	0.94633	0.34398	0.981636	chr5	48904613	48905032	+	0	NA	Intergeni	ALR/Alpha	1536466	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-307	11.10814	-0.67599	0.71447	-0.94614	0.344079	0.981636	chr16	30700711	30702498	+	0	NA	intron (N	intron (N	2433	NM_006662	10847	Hs.620916	NM_006662	ENSG00000	SRCAP	DOMO1|EAF	Snf2 rela	protein-coding
chr11-434	10.11265	-0.73025	0.771852	-0.94611	0.344094	0.981636	chr11	43462904	43463142	+	0	NA	intron (N	AluSx4|SI	-96633	NR_031577	1E+08		NR_031577	ENSG00000	MIR670	hsa-mir-6	microRNA	ncRNA
chr15-851	7.582379	-0.82005	0.866805	-0.94606	0.344118	0.981636	chr15	85100300	85100599	+	0	NA	intron (N	intron (N	118475	NM_173454	5151	Hs.9333	NM_002605	ENSG00000	PDE8A	HsT19550	phosphodi	protein-coding
chr2-5498	7.582379	-0.82005	0.866805	-0.94606	0.344118	0.981636	chr2	54986718	54987597	+	0	NA	intron (N	intron (N	23115	NM_007008	57142	Hs.637850	NM_007008	ENSG00000	RTN4	ASY|NI220	reticulon	protein-coding
chr8-9392	7.582379	-0.82005	0.866805	-0.94606	0.344118	0.981636	chr8	93926687	93926950	+	0	NA	TTS (NM_C	TTS (NM_C	9871	NM_001161	54704	Hs.22265	NM_018444	ENSG00000	PDP1	PDH|PDP|F	pyruvate	protein-coding
chr8-9768	7.582379	-0.82005	0.866805	-0.94606	0.344118	0.981636	chr8	97687745	97688029	+	0	NA	intron (N	intron (N	43703	NM_001363	92140	Hs.377155	NM_178812	ENSG00000	MTDH	3D3|AEG-1	metadheri	protein-coding
chr3-1899	9.37276	-0.73883	0.780984	-0.94603	0.344136	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	139690	NR_030642	1E+08		NR_030642	ENSG00000	MIR944	MIRN944|F	microRNA	ncRNA
chr12-113	7.476271	0.829076	0.87659	0.945797	0.344252	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	6217	NM_016196	9904	Hs.7482	NM_016196	ENSG00000	RBM19	Mrd1	RNA bindi	protein-coding
chr16-433	7.476271	0.829076	0.87659	0.945797	0.344252	0.981636	chr16	4332463	4332715	+	0	NA	intron (N	intron (N	365	NM_032575	84662	Hs.592087	NM_032575	ENSG00000	GLIS2	NKL|NPHP7	GLIS fami	protein-coding
chr7-1557	7.476271	0.829076	0.87659	0.945797	0.344252	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	67439	NM_053043	155435	Hs.591815	NM_053043	ENSG00000	RBM33	PRR8	RNA bindi	protein-coding
chr9-1331	7.476271	0.829076	0.87659	0.945797	0.344252	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	12878	NM_006266	5900	Hs.106185	NM_006266	ENSG00000	RALGDS	RGDS|RGF|	ral guani	protein-coding
chr2-2416	5.956556	-0.93035	0.983901	-0.94557	0.344368	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSc|SIN	1355	NR_033255	1841	Hs.471873	NM_012145	ENSG00000	DTYMK	CDC8|PP37	deoxythym	protein-coding
chr11-782	6.247376	0.886502	0.937565	0.945537	0.344385	0.981636	chr11	78200658	78201791	+	0	NA	intron (N	L2b|LINE|	12305	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitin	protein-coding
chr1-9450	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr1	945086	946252	+	0	NA	intron (N	intron (N	13587	NM_015658	26155	Hs.405987	NM_015658	ENSG00000	NOC2L	NET15|NET	NOC2 like	protein-coding
chr13-946	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr13	94626023	94627047	+	0	NA	intron (N	intron (N	24678	NM_180989	160897	Hs.439363	NM_180989	ENSG00000	GPR180	ITR	G protein	protein-coding
chr2-1349	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	non-codin	non-codin	37010	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr3-1336	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	39012	NM_001363	11073	Hs.593379	NM_007027	ENSG00000	TOPBP1	Dpb11|TOF	DNA topoi	protein-coding
chr4-1229	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	25301	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr6-1279	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-46770	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr9-9352	6.400446	-0.87425	0.924712	-0.94543	0.344441	0.981636	chr9	93524505	93525674	+	0	NA	intron (N	intron (N	-51495	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr1-1625	9.657203	0.718082	0.759613	0.945326	0.344493	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	19609	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr17-632	7.998283	0.788714	0.834406	0.94524	0.344536	0.981636	chr17	63200897	63201307	+	0	NA	intron (N	intron (N	234867	NM_025185	26115	Hs.410889	NM_015623	ENSG00000	TANC2	ROLSA|rol	tetratric	protein-coding
chr9-1048	7.998283	0.788714	0.834406	0.94524	0.344536	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	50477	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIF	nipsnap h	protein-coding
chr11-102	9.333471	-0.73218	0.774702	-0.94511	0.344602	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	3231	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAF	baculovir	protein-coding
chr18-509	9.366752	-0.72779	0.770137	-0.94501	0.344653	0.981636	chr18	50925884	50926703	+	0	NA	intron (N	L1MEg|LIN	-41747	NM_018696	55520	Hs.657360	NM_018696	ENSG00000	ELAC1	D29	elaC ribo	protein-coding
chr19-483	9.366752	-0.72779	0.770137	-0.94501	0.344653	0.981636	chr19	48328013	48331910	+	0	NA	intron (N	intron (N	3962	NM_001313	2014	Hs.9999	NM_001425	ENSG00000	EMP3	YMP	epithelia	protein-coding
chr20-411	9.366752	-0.72779	0.770137	-0.94501	0.344653	0.981636	chr20	41172653	41172871	+	0	NA	exon (NM_	exon (NM_	3739	NR_106931	1.02E+08		NR_106931	ENSG00000	MIR6871	hsa-mir-6	microRNA	ncRNA
chr6-3137	9.366752	-0.72779	0.770137	-0.94501	0.344653	0.981636	chr6	3137452	3138392	+	0	NA	intron (N	intron (N	19211	NM_004332	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr1-9681	7.641084	-0.80732	0.854379	-0.94492	0.3447	0.981636	chr1	96812562	96814187	+	0	NA	exon (NM_	exon (NM_	90736	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brF	polypyrim	protein-coding
chr2-5378	7.641084	-0.80732	0.854379	-0.94492	0.3447	0.981636	chr2	53781689	53781917	+	0	NA	intron (N	intron (N	-5128	NM_001127	27248	Hs.438336	NM_015701	ENSG00000	ERLEC1	C2orf30|C	endoplasm	protein-coding
chr9-2183	7.641084	-0.80732	0.854379	-0.94492	0.3447	0.981636	chr9	21838512	21838812	+	0	NA	intron (N	intron (N	36026	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr1-3901	6.367165	-0.88095	0.932622	-0.9446	0.344865	0.981636	chr1	39011649	39012284	+	0	NA	Intergeni	Intergeni	-14329	NM_001184	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubiq	protein-coding
chr16-208	6.367165	-0.88095	0.932622	-0.9446	0.344865	0.981636	chr16	20835877	20837077	+	0	NA	intron (N	L1MC1|LIN	29950	NM_001199	81691	Hs.177926	NM_030941	ENSG00000	REXO5	NEF-sp	RNA exonu	protein-coding
chr9-7031	6.367165	-0.88095	0.932622	-0.9446	0.344865	0.981636	chr9	70313119	70313696	+	0	NA	intron (N	L1MEb|LIN	54429	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr10-732	7.138488	-0.86166	0.912732	-0.94405	0.345146	0.981636	chr10	73239243	73239513	+	0	NA	exon (NM_	exon (NM_	7877	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr2-5534	7.138488	-0.86166	0.912732	-0.94405	0.345146	0.981636	chr2	55341726	55342040	+	0	NA	intron (N	L1MA8|LIN	59564	NR_027258	344405	Hs.445292	NM_001080	ENSG00000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chr16-884	7.607802	-0.81282	0.861065	-0.94397	0.345184	0.981636	chr16	88426490	88426689	+	0	NA	promoter-	promoter-	-882	NM_001367	84627	Hs.54925	NM_001127	ENSG00000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr17-302	7.607802	-0.81282	0.861065	-0.94397	0.345184	0.981636	chr17	30273489	30274226	+	0	NA	intron (N	intron (N	18087	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr2-1114	7.607802	-0.81282	0.861065	-0.94397	0.345184	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	37339	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr11-519	11.97126	0.657235	0.696298	0.9439	0.345221	0.981636	chr11	51948627	51949492	+	0	NA	Intergeni	ALR/Alpha	1539912	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-9238	6.408304	-0.87611	0.928218	-0.94386	0.345239	0.981636	chr1	92382567	92383459	+	0	NA	intron (N	L1PA4|LIN	83954	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr1-4428	4.49462	1.045117	1.107322	0.943824	0.34526	0.981636	chr1	44286857	44288414	+	0	NA	intron (N	intron (N	-35076	NR_132966	1.07E+08		NR_132966		SNORA110	-	small nuc	snoRNA
chr17-800	4.49462	1.045117	1.107322	0.943824	0.34526	0.981636	chr17	80050027	80050924	+	0	NA	intron (N	AluSx1|SI	13833	NM_017950	55036	Hs.202542	NM_017950	ENSG00000	CCDC40	CILD15|FA	coiled-co	protein-coding
chr19-974	4.49462	1.045117	1.107322	0.943824	0.34526	0.981636	chr19	9748341	9749225	+	0	NA	Intergeni	HERVH-int	19955	NM_001077	162993	Hs.665717	NM_001077	ENSG00000	ZNF846	-	zinc fing	protein-coding
chr1-6666	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr1	6666639	6667604	+	0	NA	intron (N	intron (N	34695	NM_018198	55735	Hs.462640	NM_018198	ENSG00000	DNAJC11	dJ126A5.1	DnaJ heat	protein-coding
chr1-7578	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr1	75787856	75789301	+	0	NA	promoter-	promoter-	689	NR_002749	26805		NR_002749	ENSG00000	SNORD45A	RNU45A|U4	small nuc	snoRNA
chr10-105	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr10	1053064	1053789	+	0	NA	intron (N	Tigger1|D	-2959	NM_014023	22884	Hs.188495	NM_014023	ENSG00000	WDR37	-	WD repeat	protein-coding
chr10-702	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr10	70229992	70230918	+	0	NA	intron (N	intron (N	2974	NM_021129	5464	Hs.437403	NM_021129	ENSG00000	PPA1	HEL-S-66p	pyrophosp	protein-coding
chr12-121	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr12	12161480	12162530	+	0	NA	intron (N	intron (N	50053	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr12-481	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr12	48126875	48127535	+	0	NA	intron (N	L2a|LINE|	4558	NM_001166	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|C	phosphofr	protein-coding
chr15-409	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr15	40995093	40996606	+	0	NA	intron (N	intron (N	42378	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr16-693	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr16	69303888	69305068	+	0	NA	3’ UTR (N	3’ UTR (N	-6872	NM_013245	27183	Hs.128420	NM_013245	ENSG00000	VPS4A	SKD1|SKD1	vacuolar	protein-coding
chr18-318	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr18	31854735	31854965	+	0	NA	intron (N	AluY|SINE	88278	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr2-2297	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-49446	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr6-7411	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr6	7411550	7413056	+	0	NA	intron (N	AluSz|SIN	22474	NM_001348	83732	Hs.437474	NM_031480	ENSG00000	RIOK1	AD034|RIC	RIO kinas	protein-coding

chr6-1309	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	L1PA7|LIN	60267	NM_001350	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr8-1932	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr8	19320215	19320804	+	0	NA	intron (N	AluJr|SIN	6533	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-4782	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr8	47822837	47824189	+	0	NA	intron (N	MSTB|LTR|	-85349	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr9-1347	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	66484	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chrX-7428	6.392588	-0.87241	0.924615	-0.94354	0.345407	0.981636	chrX	74284411	74289393	+	0	NA	TTS (NR_0	TTS (NR_0	307	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|h	microRNA	ncRNA
chr10-973	4.461338	1.040914	1.103414	0.943357	0.345498	0.981636	chr10	97359016	97360155	+	0	NA	intron (N	intron (N	-24856	NM_012083	23401	Hs.140720	NM_012083	ENSG00000	FRAT2	FRAT-2	FRAT regu	protein-coding
chr11-714	4.461338	1.040914	1.103414	0.943357	0.345498	0.981636	chr11	71436928	71438408	+	0	NA	intron (N	intron (N	10725	NM_001163	1717	Hs.503134	NM_001360	ENSG00000	DHCR7	SLOS	7-dehydro	protein-coding
chr7-1436	4.461338	1.040914	1.103414	0.943357	0.345498	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-17779	NM_001365	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chr9-6567	10.60739	-0.69701	0.738993	-0.94318	0.345587	0.981636	chr9	65679431	65680308	+	0	NA	intron (N	intron (N	3941	NM_001363	220869	Hs.355950	NM_001024	ENSG00000	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chr18-137	2.717364	-1.35605	1.437871	-0.9431	0.345632	0.981636	chr18	13707101	13707711	+	0	NA	intron (N	MER57-int	19152	NM_152352	125228	Hs.13034	NM_152352	ENSG00000	FAM210A	C18orf19|	family wi	protein-coding
chr11-468	11.00829	-0.68743	0.729286	-0.94261	0.345881	0.981636	chr11	46815937	46816254	+	0	NA	intron (N	MER1B|DNA	30185	NM_001008	9793	Hs.201253	NM_014756	ENSG00000	CKAP5	CHTOG|MSF	cytoskele	protein-coding
chr1-2128	6.255234	0.883771	0.937582	0.942607	0.345882	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	37382	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr19-282	6.255234	0.883771	0.937582	0.942607	0.345882	0.981636	chr19	2826583	2829322	+	0	NA	intron (N	THE1B|LTR	8084	NM_001102	115196	Hs.307043	NM_152303	ENSG00000	ZNF554	-	zinc fing	protein-coding
chr1-4029	5.674517	0.936347	0.993362	0.942604	0.345883	0.981636	chr1	40294196	40294564	+	0	NA	TTS (NM_0	TTS (NM_0	22906	NM_001852	1298	Hs.418012	NM_001852	ENSG00000	COL9A2	DJ39G22.4	collagen	protein-coding
chr8-4314	5.674517	0.936347	0.993362	0.942604	0.345883	0.981636	chr8	43147507	43148058	+	0	NA	intron (N	L1PA16|LI	7318	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr13-102	3.445698	-1.24561	1.32169	-0.94244	0.345968	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	31504	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr1-1569	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-48503	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr10-245	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr10	24532028	24534314	+	0	NA	exon (NM_	exon (NM_	66640	NM_001282	56243	Hs.445885	NM_019590	ENSG00000	KIAA1217	ETL4|SKT	KIAA1217	protein-coding
chr12-665	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr12	6650185	6652955	+	0	NA	intron (N	AluSz|SIN	-4138	NM_032489	84519	Hs.123239	NM_032489	ENSG00000	ACRBP	CT23|OY-T	acrosin b	protein-coding
chr17-440	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr17	44082561	44083740	+	0	NA	intron (N	AluJb|SIN	12239	NR_028582	92579	Hs.294005	NM_138387	ENSG00000	G6PC3	SCN4|UGRP	glucose-6	protein-coding
chr19-119	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr19	11975210	11979715	+	0	NA	intron (N	intron (N	-10155	NR_134930	1.02E+08	Hs.631643	NR_134927	ENSG00000	ZNF433-AS	-	ZNF433 an	ncRNA
chr19-518	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr19	51874615	51880937	+	0	NA	intron (N	L1MB3|LIN	10160	NM_001135	84765	Hs.723015	NM_032679	ENSG00000	ZNF577	-	zinc fing	protein-coding
chr6-3728	7.972859	0.783853	0.832553	0.941505	0.346446	0.981636	chr6	37289823	37294763	+	0	NA	intron (N	intron (N	-34138	NM_001286	221468	Hs.520101	NM_145316	ENSG00000	TMEM217	C6orf128|	transmemb	protein-coding
chr11-517	7.417566	0.821039	0.872104	0.941447	0.346476	0.981636	chr11	51750557	51750789	+	0	NA	Intergeni	ALR/Alpha	1341526	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr16-679	7.417566	0.821039	0.872104	0.941447	0.346476	0.981636	chr16	67908854	67909673	+	0	NA	exon (NM_	exon (NM_	16009	NM_006742	5681	Hs.513683	NM_006742	ENSG00000	PSKH1	-	protein s	protein-coding
chr2-4399	7.556955	-0.82756	0.87926	-0.9412	0.346604	0.981636	chr2	43991965	43992331	+	0	NA	intron (N	L2b|LINE|	3841	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr1-2597	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr1	25975194	25976327	+	0	NA	intron (N	L2a|LINE|	22303	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr1-2357	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	MSTD|LTR|	56260	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr17-395	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr17	39556552	39557424	+	0	NA	Intergeni	Intergeni	50932	NM_006160	4761	Hs.322431	NM_006160	ENSG00000	NEUROD2	EIEE72|NE	neuronal	protein-coding
chr17-606	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr17	60649632	60650806	+	0	NA	intron (N	intron (N	-27632	NM_001099	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr20-558	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr20	5588610	5589082	+	0	NA	intron (N	AluSz|SIN	22160	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr3-1691	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr3	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	25186	NM_001366	2122	Hs.656395	NM_004991	ENSG00000	MECOM	AML1-EVI-	MDS1 and	protein-coding
chr3-1702	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx1|SI	20327	NM_002740	5584	Hs.478199	NM_002740	ENSG00000	PRKCI	DXS1179E|	protein k	protein-coding
chr4-7154	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr4	71546848	71547863	+	0	NA	intron (N	intron (N	208302	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr7-1398	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluJr|SIN	18721	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr7-1399	6.221953	0.880436	0.935532	0.941107	0.34665	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	116234	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr22-214	10.2125	0.694792	0.738679	0.940588	0.346916	0.981636	chr22	21477511	21477946	+	0	NA	intron (N	intron (N	10558	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr11-464	4.45348	1.0448	1.111023	0.940394	0.347015	0.981636	chr11	46441362	46442167	+	0	NA	intron (N	L3b|LINE|	-10043	NR_036118	1E+08		NR_036118	ENSG00000	MIR3160-2	mir-3160-	microRNA	ncRNA
chr16-896	4.45348	1.0448	1.111023	0.940394	0.347015	0.981636	chr16	89663889	89664744	+	0	NA	intron (N	intron (N	6248	NR_073515	124045	Hs.655171	NM_153025	ENSG00000	SPATA33	C16orf55	spermatog	protein-coding
chr3-3737	4.45348	1.0448	1.111023	0.940394	0.347015	0.981636	chr3	37373590	37374317	+	0	NA	Intergeni	MER83B-in	-12316	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr7-9894	8.938577	-0.75831	0.80645	-0.9403	0.347062	0.981636	chr7	98942607	98942918	+	0	NA	intron (N	intron (N	61065	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr1-1626	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	L1PA15|LI	47687	NM_006182	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidin	protein-coding
chr11-332	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr11	33297803	33298493	+	0	NA	intron (N	Tigger1|D	39817	NM_001278	10114	Hs.201918	NM_005734	ENSG00000	HIPK3	DYRK6|FIS	homeodoma	protein-coding
chr15-506	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr15	50607697	50607988	+	0	NA	intron (N	AluSx|SIN	-61176	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-150	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr16	15046981	15047659	+	0	NA	intron (N	L2a|LINE|	8754	NM_173474	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAD	N-termina	protein-coding
chr17-309	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr17	30997005	30999971	+	0	NA	intron (N	L1MA5A|LI	-9796	NM_001350	1.08E+08	Hs.558901	NM_001350575		LOC107984	-	uncharact	protein-coding
chr19-963	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr19	9631900	9633684	+	0	NA	intron (N	HERVIP10E	11310	NR_122038	284385	Hs.651747	NM_001242	ENSG00000	ZNF561-AS	C19orf82	ZNF561 an	ncRNA
chr2-7246	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr2	72460747	72465534	+	0	NA	intron (N	L1MD|LINE	-315278	NM_001277	56603	Hs.91546	NM_019885	ENSG00000	CYP26B1	CYP26A2|P	cytochrom	protein-coding
chr20-559	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr20	5595941	5604050	+	0	NA	intron (N	intron (N	11011	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr6-1368	7.939578	0.78112	0.830712	0.940302	0.347063	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	L1MC4|LIN	-48542	NM_001008	340146	Hs.369703	NM_001008	ENSG00000	SLC35D3	FRCL1	solute ca	protein-coding
chr19-937	6.239518	0.88937	0.945853	0.940283	0.347072	0.981636	chr19	9371808	9372385	+	0	NA	intron (N	L1MEd|LIN	-4220	NM_001172	7730	Hs.728944	NM_003451	ENSG00000	ZNF177	PIGX	zinc fing	protein-coding
chr11-100	8.394842	-0.80445	0.855572	-0.94025	0.347092	0.981636	chr11	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	28202	NR_145747	1.1E+08		NR_145747		SNORD13I	-	small nuc	snoRNA
chr2-9265	9.723766	0.722698	0.768651	0.940216	0.347107	0.981636	chr2	92654989	92655622	+	0	NA	Intergeni	ALR/Alpha	714172	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-7363	7.93172	0.783228	0.833212	0.94001	0.347212	0.981636	chr6	73630586	73630879	+	0	NA	intron (N	intron (N	23260	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr1-3327	5.707799	0.939751	0.999736	0.939999	0.347218	0.981636	chr1	33276844	33277579	+	0	NA	intron (N	intron (N	7518	NM_001370	149076	Hs.743358	NM_152493	ENSG00000	ZNF362	RN|lin-29	zinc fing	protein-coding
chr11-726	5.707799	0.939751	0.999736	0.939999	0.347218	0.981636	chr11	72690043	72691299	+	0	NA	intron (N	AluJr|SIN	-9803	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG00000	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr1-1789	11.94584	0.653829	0.695646	0.939888	0.347275	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-45494	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr11-119	9.358894	-0.72646	0.773127	-0.93964	0.347403	0.981636	chr11	11942379	11943255	+	0	NA	exon (NM_	exon (NM_	65822	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr17-470	9.358894	-0.72646	0.773127	-0.93964	0.347403	0.981636	chr17	47051266	47051503	+	0	NA	Intergeni	Intergeni	-72131	NM_203400	388394	Hs.367999	NM_203400	ENSG00000	RPRML	-	reprimo l	protein-coding
chr2-3258	9.358894	-0.72646	0.773127	-0.93964	0.347403	0.981636	chr2	32586451	32586974	+	0	NA	intron (N	AluJb|SIN	-11894	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr2-1731	9.358894	-0.72646	0.773127	-0.93964	0.347403	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	83198	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr3-2738	9.358894	-0.72646	0.773127	-0.93964	0.347403	0.981636	chr3	27388892	27391047	+	0	NA	non-codin	non-codin	-20509	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr11-882	8.36156	-0.80975	0.861838	-0.93956	0.347442	0.981636	chr11	88294332	88294545	+	0	NA	exon (NM_	exon (NM_	43298	NM_148170	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsin	protein-coding
chr11-125	7.690082	-0.80489	0.856914	-0.93929	0.347582	0.981636	chr11	12500137	12500719	+	0	NA	intron (N	intron (N	122857	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr2-1000	7.682224	-0.80334	0.855374	-0.93917	0.347642	0.981636	chr2	1E+08	1E+08	+	0	NA	intron (N	(GTGGTG)n	88863	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr1-1125	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	50814	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr11-104	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	HUERS-P1-	5631	NM_033306	837	Hs.138378	NM_001225	ENSG00000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr16-110	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr16	11044514	11045075	+	0	NA	intron (N	AluSp|SIN	100230	NM_015226	23274	Hs.35490	NM_015226	ENSG00000	CLEC16A	Gop-1|KIA	C-type le	protein-coding
chr17-182	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr17	18265950	18266182	+	0	NA	TTS (NM_1	TTS (NM_1	4956	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochond	protein-coding
chr22-384	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr22	38479911	38481321	+	0	NA	intron (N	AluYh3|SI	12520	NM_006855	11015	Hs.745072	NM_006855	ENSG00000	KDELR3	ERD2L3	KDEL endo	protein-coding
chr9-6501	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr9	6501065	6501309	+	0	NA	intron (N	intron (N	87988	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr9-2152	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chr9	21527685	21528510	+	0	NA	intron (N	L1PA13|LI	-15912	NR_029505	407035		NR_029505	ENSG00000	MIR31	MIRN31|hs	microRNA	ncRNA
chrX-7426	6.359307	-0.87915	0.936128	-0.93913	0.347662	0.981636	chrX	74261848	74262184	+	0	NA	intron (N	AluJo|SIN	25193	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|h	microRNA	ncRNA
chr1-2772	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr1	27728357	27728997	+	0	NA	intron (N	intron (N	2716	NM_001143	199870	Hs.469359	NM_152660	ENSG00000	FAM76A	-	family wi	protein-coding
chr1-2077	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	MER44B|DN	10306	NR_029832	407026		NR_029832	ENSG00000	MIR29C	MIRN29C|m	microRNA	ncRNA
chr10-110	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	(TAT)n|Si	12891	NM_014456	27250	Hs.711490	NM_014456	ENSG00000	PDCD4	H731	programme	protein-coding
chr11-764	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr11	76480346	76481002	+	0	NA	intron (N	L1P3|LINE	35649	NM_020193	56946	Hs.352588	NM_020193	ENSG00000	EMSY	C11orf30|	EMSY tran	protein-coding
chr11-116	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	MLT1D|LTR	-86961	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr15-727	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr15	72714698	72718446	+	0	NA	intron (N	intron (N	30365	NM_033028	585	Hs.208681	NM_033028	ENSG00000	BBS4	-	Bardet-Bi	protein-coding
chr17-350	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr17	35014541	35016430	+	0	NA	intron (N	intron (N	34973	NM_013975	3980	Hs.100299	NM_002311	ENSG00000	LIG3	LIG2|LIG3	DNA ligas	protein-coding
chr19-127	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr19	12799019	12800278	+	0	NA	intron (N	AluSx|SIN	2152	NM_005809	7001	Hs.432121	NM_005809	ENSG00000	PRDX2	HEL-S-2a|	peroxired	protein-coding
chr2-2622	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr2	26222422	26223861	+	0	NA	intron (N	ERVL-E-in	21491	NM_000182	3030	Hs.516032	NM_000182	ENSG00000	HADHA	ECHA|GBP|	hydroxyac	protein-coding
chr2-8535	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr2	85358464	85359172	+	0	NA	intron (N	L1ME4b|LI	4049	NM_001135	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr21-463	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr21	46352192	46356436	+	0	NA	intron (N	intron (N	29647	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr3-1588	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	L2|LINE|L	9443	NM_022736	64747	Hs.58663	NM_022736	ENSG00000	MFSD1	SMAP4	major fac	protein-coding
chr4-3512	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr4	3512862	3520644	+	0	NA	intron (N	intron (N	15396	NR_110005	4043	Hs.40966	NM_002337	ENSG00000	LRPAP1	A2MRAP|A2	LDL recep	protein-coding
chr5-7366	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr5	73660336	73660910	+	0	NA	intron (N	Tigger1|D	34465	NM_001080	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-3064	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr6	30642683	30643580	+	0	NA	3’ UTR (N	3’ UTR (N	-4002	NM_001109	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromosom	protein-coding
chr8-1438	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	10295	NR_030633	1E+08		NR_030633	ENSG00000	MIR937	MIRN937|h	microRNA	ncRNA
chr9-1370	6.229811	0.877714	0.935546	0.938183	0.34815	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	6244	NM_015392	56654	Hs.719906	NM_015392	ENSG00000	NPDC1	CAB|CAB-|	neural pr	protein-coding
chr11-613	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr11	61371886	61373785	+	0	NA	Intergeni	MER4-int|	10461	NM_016464	51524	Hs.406530	NM_016464	ENSG00000	TMEM138	HSPC196	transmemb	protein-coding
chr11-902	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr11	90200617	90202540	+	0	NA	3’ UTR (N	3’ UTR (N	21471	NM_012124	26973	Hs.22857	NM_012124	ENSG00000	CHORDC1	CHP1	cysteine	protein-coding
chr12-796	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr12	79610057	79610412	+	0	NA	intron (N	Tigger9b|	80346	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr12-112	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	FLAM_C|SI	6734	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr14-519	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr14	51997258	51998772	+	0	NA	intron (N	intron (N	8469	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr14-689	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr14	68959530	68960198	+	0	NA	intron (N	Tigger2|D	19438	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr19-201	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr19	20188505	20189635	+	0	NA	intron (N	L1MB2|LIN	21856	NM_052852	90649	Hs.590991	NM_052852	ENSG00000	ZNF486	KRBO2	zinc fing	protein-coding
chr2-1622	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	28794	NM_004460	2191	Hs.654370	NM_004460	ENSG00000	FAP	DPPIV|FAP	fibroblas	protein-coding
chr2-1819	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	intron (N	intron (N	14341	NM_001287	6744	Hs.196983	NM_006751	ENSG00000	ITPRID2	CS-1|CS1|	ITPR inte	protein-coding
chr3-1111	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	76158	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr3-1504	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	8829	NM_001303	9819	Hs.722470	NM_014779	ENSG00000	TSC22D2	TILZ4a|TI	TSC22 dom	protein-coding
chr3-1680	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx1|SI	59503	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr5-3886	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr5	38867978	38870129	+	0	NA	exon (NM_	exon (NM_	23041	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-7385	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr5	73854124	73854473	+	0	NA	intron (N	intron (N	40752	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-1742	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr6	17426695	17427606	+	0	NA	intron (N	L2a|LINE|	33555	NM_006366	10486	Hs.132902	NM_006366	ENSG00000	CAP2	-	cyclase a	protein-coding
chr6-1384	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	5305	NM_014320	23593	Hs.486589	NM_014320	ENSG00000	HEBP2	C6ORF34B|	heme bind	protein-coding
chr7-4576	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr7	45764415	45767069	+	0	NA	intron (N	intron (N	3276	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr7-1378	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	Intergeni	Tigger17a	-19959	NM_004717	9162	Hs.242947	NM_004717	ENSG00000	DGKI	DGK-IOTA	diacylgly	protein-coding
chr9-3795	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr9	37950400	37952899	+	0	NA	intron (N	intron (N	-47296	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr9-1268	6.38473	-0.87057	0.927934	-0.93818	0.348151	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1M4|LINE	18886	NM_014007	23099	Hs.355581	NM_014007	ENSG00000	ZBTB43	ZBTB22B|Z	zinc fing	protein-coding
chr1-1539	9.665061	0.716293	0.763642	0.937996	0.348246	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-1460	NM_014856	9909	Hs.744878	NM_014856	ENSG00000	DENND4B	KIAA0476	DENN doma	protein-coding
chr15-801	5.948698	-0.92811	0.989907	-0.93758	0.348462	0.981636	chr15	80126843	80127042	+	0	NA	intron (N	AluJb|SIN	-26057	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr3-1960	9.300189	-0.73673	0.785825	-0.93753	0.348488	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	19543	NM_001128	7037	Hs.529618	NM_003234	ENSG00000	TFRC	CD71|IMD4	transferr	protein-coding
chr5-3347	9.400034	-0.72338	0.771868	-0.93719	0.348663	0.981636	chr5	33471362	33472551	+	0	NA	Intergeni	AluSx3|SI	31180	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr7-2992	9.325613	-0.73087	0.779897	-0.93714	0.348685	0.981636	chr7	29926656	29926902	+	0	NA	intron (N	intron (N	63022	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr9-2715	9.325613	-0.73087	0.779897	-0.93714	0.348685	0.981636	chr9	27157855	27159239	+	0	NA	intron (N	intron (N	49406	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GL	TEK recep	protein-coding
chr2-5590	10.64067	-0.69302	0.739648	-0.93695	0.348782	0.981636	chr2	55904357	55904911	+	0	NA	intron (N	MLT2B2|LT	19148	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr10-295	7.450848	0.8238	0.879244	0.936942	0.348789	0.981636	chr10	29500297	29500607	+	0	NA	intron (N	intron (N	44645	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-914	7.450848	0.8238	0.879244	0.936942	0.348789	0.981636	chr11	9147660	9147859	+	0	NA	intron (N	intron (N	53396	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr5-4738	22.97717	0.495739	0.529326	0.936549	0.348991	0.981636	chr5	47388618	47388920	+	0	NA	Intergeni	ALR/Alpha	-1692389	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-732	6.42587	-0.86583	0.924751	-0.93628	0.349129	0.981636	chr10	73233344	73233955	+	0	NA	intron (N	intron (N	13606	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr17-759	6.42587	-0.86583	0.924751	-0.93628	0.349129	0.981636	chr17	75945683	75946266	+	0	NA	3’ UTR (N	3’ UTR (N	-7742	NM_001319	85302	Hs.720068	NM_001080	ENSG00000	FBF1	Alb|FBF-1	Fas bindi	protein-coding
chr5-5473	6.42587	-0.86583	0.924751	-0.93628	0.349129	0.981636	chr5	5473876	5474784	+	0	NA	intron (N	L2a|LINE|	51653	NM_015325	23379	Hs.449296	NM_015325	ENSG00000	ICE1	KIAA0947	interacto	protein-coding

chr6-995	6.42587	-0.86583	0.924751	-0.93628	0.349129	0.981636	chr6	99502439	99503064	+	0	NA	intron (	MSTA|LTR|	12625	NM_00134	85015	Hs.14341	NM_03292	ENSG0000	USP45	-	ubiquiti	protein-coding
chr9-979	6.42587	-0.86583	0.924751	-0.93628	0.349129	0.981636	chr9	97994884	97996539	+	0	NA	intron (	AluSz6|SI	12370	NM_006401	10541	Hs.730654	NM_006401	ENSG0000	ANP32B	APRIL|PH	acidic n	protein-coding
chr9-113	3.998032	1.169493	1.249286	0.93613	0.349206	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (	L2a|LINE|	4581	NM_00128	7539	Hs.15040	NM_00340	ENSG0000	ZFP37	ZNF906|z	ZFP37 zi	protein-coding
chr12-11	12.40914	0.630715	0.673768	0.9361	0.349222	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	7817	NM_001111	79039	Hs.506861	NM_02407	ENSG0000	DDX54	DP97	DEAD-box	protein-coding
chr19-12	12.40914	0.630715	0.673768	0.9361	0.349222	0.981636	chr19	12012592	12021254	+	0	NA	intron (	AluSx3|SI	18818	NM_00130	163059	Hs.66777	NM_15260	ENSG0000	ZNF433	-	zinc fin	protein-coding
chr13-48	10.18707	0.690911	0.738076	0.936097	0.349223	0.981636	chr13	48395174	48395413	+	0	NA	intron (	L1PA7|LI	17820	NM_00116	10161	Hs.123464	NM_005767	ENSG0000	LPAR6	ARWH1|HY	lysophos	protein-coding
chr7-661	8.930719	-0.75684	0.808561	-0.93604	0.349254	0.981636	chr7	66153465	66153896	+	0	NA	non-codi	non-codi	38833	NM_01447	27297	Hs.300684	NM_01447	ENSG0000	CRCP	CGRP-RCP|	CGRP rec	protein-coding
chr9-135	8.930719	-0.75684	0.808561	-0.93604	0.349254	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	TTS (NM_	TTS (NM_	-25258	NM_015447	157922	Hs.52249	NM_015447	ENSG0000	CAMSAP1	-	calmoduli	protein-coding
chr11-65	6.214095	0.883233	0.943655	0.93597	0.349288	0.981636	chr11	65034769	65036247	+	0	NA	intron (	intron (	-5425	NR_16002	29901	Hs.23642	NM_01329	ENSG0000	SAC3D1	HSU79266|	SAC3 dom	protein-coding
chr11-687	6.214095	0.883233	0.943655	0.93597	0.349288	0.981636	chr11	68796170	68796720	+	0	NA	intron (	AluSq2|SI	-44925	NM_00103	9633	Hs.14593	NM_00492	ENSG0000	TESMIN	CXCDC2|M	testis e	protein-coding
chr4-420	7.674366	-0.80173	0.856621	-0.93593	0.349311	0.981636	chr4	42025350	42025801	+	0	NA	intron (	intron (	35045	NM_00634	10463	Hs.479634	NM_00634	ENSG0000	SLC30A9	BILAPES|	solute c	protein-coding
chr6-1354	7.674366	-0.80173	0.856621	-0.93593	0.349311	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	4728	NM_001134	54806	Hs.386684	NM_017651	ENSG0000	AHI1	AHI-1|JB	Abelson	protein-coding
chr2-861	7.633226	-0.80563	0.861371	-0.93529	0.349637	0.981636	chr2	86102018	86102392	+	0	NA	intron (	L1MB3|LI	3681	NM_01542	25885	Hs.53181	NM_01542	ENSG0000	POLR1A	A190|AFD	RNA poly	protein-coding
chr1-146	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (	intron (	13432	NM_00127	149013	Hs.666981	NM_00127	ENSG0000	NBPF12	COAS1|KI	NBPF mem	protein-coding
chr1-156	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (	L1MB7|LI	-39607	NR_030527	768220		NR_030527	ENSG0000	MIR765	MIRN765|	microRNA	ncRNA
chr1-168	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (	intron (	6517	NM_199344	375035	Hs.64543	NM_199344	ENSG0000	SFT2D2	UNQ512|dJ	SFT2 dom	protein-coding
chr12-11	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluSx|SI	-40770	NR_106921	1.02E+08		NR_106921	ENSG0000	MIR6861	hsa-mir-	microRNA	ncRNA
chr13-11	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	20572	NM_01821	55739	Hs.408324	NM_01821	ENSG0000	NAXD	CARKD|LP	NAD(P)HX	protein-coding
chr15-407	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr15	40749355	40749554	+	0	NA	intron (	AluJr|SI	5800	NM_01814	55177	Hs.511067	NM_01814	ENSG0000	RMDN3	FAM82A2|	regulato	protein-coding
chr16-66	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr16	66809022	66810873	+	0	NA	intron (	intron (	-8327	NM_00113	283847	Hs.37650	NM_17361	ENSG0000	TERB1	CCDC79	telomere	protein-coding
chr16-66	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr16	66943136	66943466	+	0	NA	exon (NM_	exon (NM_	7785	NM_00136	8824	Hs.28297	NM_00386	ENSG0000	CES2	CE-2|CES	carboxyl	protein-coding
chr17-29	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr17	29576577	29577650	+	0	NA	intron (	intron (	8412	NM_00134	90313	Hs.51405	NM_13834	ENSG0000	TP53I13	DSCP1	tumor pr	protein-coding
chr18-54	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr18	54936511	54944085	+	0	NA	intron (	L2|LINE|	17750	NM_00114	80323	Hs.12079	NM_025214	ENSG0000	CCDC68	SE57-1	coiled-c	protein-coding
chr19-41	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr19	41897986	41899048	+	0	NA	exon (NM_	exon (NM_	14074	NM_19900	9138	Hs.63155	NM_00470	ENSG0000	ARHGEF1	GEF1|IMD	Rho guani	protein-coding
chr21-337	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr21	33794585	33794951	+	0	NA	intron (	intron (	121036	NM_001697	539	Hs.40914	NM_001697	ENSG0000	ATP5PO	ATP5O|AT	ATP synt	protein-coding
chr5-322	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr5	32262592	32263741	+	0	NA	exon (NM_	exon (NM_	49773	NM_00104	54545	Hs.48183	NM_019061	ENSG0000	MTMR12	3-PAP|PI	myotubul	protein-coding
chr6-1061	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr6	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	6010	NM_182907	639	Hs.43602	NM_00119	ENSG0000	PRDM1	BLIMP1|P	PR/SET d	protein-coding
chr7-755	7.947436	0.778992	0.833466	0.934641	0.349974	0.981636	chr7	75553266	75555312	+	0	NA	intron (	intron (	-26166	NR_02805	5387	Hs.659871	NM_00539	ENSG0000	PMS2P3	PMS2L3|P	PMS1 hom	pseudo
chr11-14	6.433728	-0.86764	0.928407	-0.93455	0.350022	0.981636	chr11	14503809	14504307	+	0	NA	TTS (NM_1	TTS (NM_1	-4163	NM_001144	1315	Hs.33927	NM_016451	ENSG0000	COPB1	COPB	coatomer	protein-coding
chr19-494	6.433728	-0.86764	0.928407	-0.93455	0.350022	0.981636	chr19	4942743	4943483	+	0	NA	intron (	AluSx3|SI	10426	NR_03990	1.01E+08		NR_03990	ENSG0000	MIR4747	mir-4747	microRNA	ncRNA
chr2-157	6.433728	-0.86764	0.928407	-0.93455	0.350022	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (	7SK|RNA|	26972	NM_001304	57471	Hs.443894	NM_020711	ENSG0000	ERMN	JN|KIAA11	ermin	protein-coding
chr1-131	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr1	1316094	1317900	+	0	NA	intron (	AluJr|SI	-4431	NR_10678	1.02E+08		NR_10678	ENSG0000	MIR6727	hsa-mir-	microRNA	ncRNA
chr1-1081	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	TTS (NM_	TTS (NM_	58813	NM_213651	29957	Hs.65687	NM_01338	ENSG0000	SLC25A24	APC1|SCA	solute c	protein-coding
chr11-12	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	45530	NM_001301	23365	Hs.24598	NM_01531	ENSG0000	ARHGEF12	LARG|PRO	Rho guani	protein-coding
chr13-757	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr13	75798498	75799770	+	0	NA	intron (	L4_C_Mam|	38473	NM_015842	4008	Hs.207631	NM_00535	ENSG0000	LMO7	FBX20|FB	LIM domai	protein-coding
chr15-58	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr15	58833316	58834209	+	0	NA	intron (	LTR5_Hs|	62460	NM_00104	54629	Hs.59112	NM_01909	ENSG0000	MINDY2	FAM63B	MINDY ly	protein-coding
chr16-70	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr16	70527915	70528607	+	0	NA	intron (	AluSz|SI	-1238	NR_03742	1E+08		NR_037420		SNORD111	MIR3647	small nu	snoRNA
chr2-365	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr2	36565000	36566769	+	0	NA	intron (	MER20|DN	32284	NM_00104	9637	Hs.25856	NM_00510	ENSG0000	FEZ2	HUM3CL	fascicul	protein-coding
chr20-50	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr20	50687008	50687234	+	0	NA	intron (	intron (	4421	NR_11089	140876	Hs.37257	NM_08082	ENSG0000	RIPOR3	C20orf17	RIPOR fa	protein-coding
chr4-420	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr4	42055404	42056345	+	0	NA	intron (	intron (	65344	NM_00634	10463	Hs.479634	NM_00634	ENSG0000	SLC30A9	BILAPES|	solute c	protein-coding
chr4-139	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (	AluYm1|SI	24388	NM_01211	25819	Hs.63984	NM_01211	ENSG0000	NOCT	CCR4L|CC	nocturni	protein-coding
chr4-147	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (	L1MC1|LI	120842	NR_03996	1.01E+08		NR_03996	ENSG0000	MIR4799	-	microRNA	ncRNA
chr5-1461	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	3’ UTR (	3’ UTR (	-7718	NM_00102	153770	Hs.16236	NM_00102	ENSG0000	PLAC8L1	-	PLAC8 li	protein-coding
chr6-7141	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr6	71410004	71410273	+	0	NA	non-codi	non-codi	-6517	NR_029504	407029		NR_029504	ENSG0000	MIR30A	MIRN30A|	microRNA	ncRNA
chr7-6014	6.418012	-0.86399	0.924654	-0.93439	0.350103	0.981636	chr7	6014974	6015578	+	0	NA	exon (NM_	exon (NM_	-1601	NR_145771	1.1E+08		NR_145771	ENSG0000	SNORA80D	-	small nu	snoRNA
chr1-217	9.698343	0.718576	0.769134	0.934267	0.350166	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	exon (NM_	exon (NM_	10857	NM_001297	55105	Hs.36234	NM_01804	ENSG0000	GPATCH2	CT110|GP	G-patch	protein-coding
chr12-487	9.698343	0.718576	0.769134	0.934267	0.350166	0.981636	chr12	48770156	48774021	+	0	NA	promoter-	promoter-	-51	NR_03985	1.01E+08		NR_03985	ENSG0000	MIR4701	-	microRNA	ncRNA
chr21-371	9.631779	0.713937	0.764403	0.933979	0.350315	0.981636	chr21	37121291	37121490	+	0	NA	intron (	intron (	38443	NM_00331	7267	Hs.368214	NM_00331	ENSG0000	TTC3	DCRR1|RN	tetratri	protein-coding
chr21-464	9.631779	0.713937	0.764403	0.933979	0.350315	0.981636	chr21	46402422	46403087	+	0	NA	intron (	intron (	-56137	NM_206891	23181	Hs.18958	NM_015151	ENSG0000	DIP2A	C21orf10	disco int	protein-coding
chr19-25	3.230593	1.213545	1.299362	0.933954	0.350327	0.981636	chr19	25814710	25815586	+	0	NA	Intergeni	ALR/Alph	-1651701	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr22-49	7.923862	0.785376	0.841211	0.933625	0.350497	0.981636	chr22	49817928	49818361	+	0	NA	intron (	intron (	6187	NR_146334	23774	Hs.12795	NM_014577	ENSG0000	BRD1	BRL|BRPF1	bromodom	protein-coding
chr9-100	7.923862	0.785376	0.841211	0.933625	0.350497	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (	MER41-int	66231	NM_015051	23071	Hs.15402	NM_015051	ENSG0000	ERP44	PDIA10|T	endoplas	protein-coding
chr12-11	4.469196	1.036933	1.110666	0.933614	0.350503	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	promoter-	promoter-	-626	NR_10682	1.02E+08		NR_10682	ENSG0000	MIR6762	hsa-mir-	microRNA	ncRNA
chr2-119	4.469196	1.036933	1.110666	0.933614	0.350503	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (	L1MB7|LI	-42358	NM_001184	57669	Hs.36923	NM_02090	ENSG0000	EPB41L5	BE37|YMO1	erythroc	protein-coding
chr2-628	8.006141	0.786605	0.842671	0.933466	0.350579	0.981636	chr2	62853140	62853339	+	0	NA	intron (	Tigger1|	146342	NM_001354	23301	Hs.271667	NM_01525	ENSG0000	EHBP1	HPC12|NA	EH domai	protein-coding
chr11-137	7.574521	-0.81853	0.877051	-0.93327	0.350679	0.981636	chr11	13729107	13729370	+	0	NA	3’ UTR (	3’ UTR (	-55148	NR_14910	1.05E+08	Hs.577257	NR_14910	ENSG0000	LINC0254	-	long int	ncRNA
chr10-11	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	9997	NM_01445	27250	Hs.71149	NM_01445	ENSG0000	PDCD4	H731	programm	protein-coding
chr16-377	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr16	377139	377782	+	0	NA	exon (NM_	exon (NM_	4518	NM_02125	58986	Hs.28894	NM_02125	ENSG0000	TMEM8A	GPI-PLA2|	transmem	protein-coding
chr17-74	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr17	7402177	7402661	+	0	NA	TTS (NM_1	TTS (NM_1	1678	NM_15276	254863	Hs.73078	NM_15276	ENSG0000	TMEM256	C17orf61	transmem	protein-coding
chr17-29	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr17	29080688	29083265	+	0	NA	intron (	intron (	-6367	NM_00474	9220	Hs.46259	NM_00474	ENSG0000	TIAF1	MAJN|SPR	TGFB1-in	protein-coding
chr18-21	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr18	21561375	21561574	+	0	NA	intron (	AluSx|SI	39230	NM_052911	114799	Hs.46473	NM_052911	ENSG0000	ESCO1	A930014I1	establis	protein-coding
chr2-2357	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr2	2.36E+08	2.36E+08	+	0	NA	intron (	intron (	-233768	NR_14658	27321		NR_146582		TNRC17	CAGL234	trinucle	ncRNA
chr20-35	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr20	35022534	35023136	+	0	NA	intron (	AluJb|SI	-32363	NR_03991	1.01E+08		NR_03991	ENSG0000	MIR499B	MIR499A|	microRNA	ncRNA
chr7-982	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr7	98227489	98228310	+	0	NA	intron (	intron (	15645	NM_17745	168620	Hs.51197	NM_17745	ENSG0000	BHLHA15	BHLHB8|MI	basic hel	protein-coding
chr7-128	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	Intergeni	L1PA3|LI	50903	NM_00023	3952	Hs.19423	NM_00023	ENSG0000	LEP	LEPD|OB|	leptin	protein-coding
chr7-1351	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (	MIR|SINE|	4456	NM_01829	55281	Hs.52121	NM_01829	ENSG0000	TMEM140	-	transmem	protein-coding
chr9-100	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr9	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	54571	NM_001161	54881	Hs.49464	NM_01774	ENSG0000	TEX10	Ipi1|bA2	testis e	protein-coding
chr9-1344	6.196529	0.874386	0.937083	0.933093	0.350772	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (	intron (	16770	NM_001291	6256	Hs.59088	NM_002957	ENSG0000	RXRA	NR2B1	retinoid	protein-coding
chr1-179	10.17136	0.694214	0.744728	0.932171	0.351248	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	35580	NM_01560	26092	Hs.49645	NM_01560	ENSG0000	TOR1AIP1	LAP1|LAP1	torsin 1	protein-coding
chr1-786	5.169516	-0.95915	1.029271	-0.93187	0.351404	0.981636	chr1	78638782	78639388	+	0	NA	intron (	L1MDa|LI	-10704	NR_13564	10561	Hs.82316	NM_006417	ENSG0000	IFI44	MTAP44|T	interfer	protein-coding
chr17-35	5.169516	-0.95915	1.029271	-0.93187	0.351404	0.981636	chr17	35848599	35850634	+	0	NA	Intergeni	MER20|DN	19275	NM_152781	256957	Hs.51482	NM_152781	ENSG0000	HEATR9	C17orf66	HEAT rep	protein-coding
chr1-150	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr1	15038364	15039477	+	0	NA	intron (	intron (	93001	NM_001017	23254	Hs.36882	NM_01520	ENSG0000	KAZN	KAZ	kazrin,	protein-coding
chr1-159	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (	L1PBa|LI	17355	NM_00120	3428	Hs.38025	NM_005531	ENSG0000	IFI16	IFNGIP1|	interfer	protein-coding
chr10-12	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (	intron (	-13419	NR_039704	1.01E+08		NR_039704	ENSG0000	MIR4484	mir-4484	microRNA	ncRNA
chr11-73	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr11	73367651	73368384	+	0	NA	3’ UTR (	3’ UTR (	-8382	NM_15222	84957	Hs.53372	NM_032871	ENSG0000	RELT	AI3C|TNF	RELT TNF	protein-coding
chr11-11	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	18615	NM_001931	1737	Hs.335551	NM_001931	ENSG0000	DLAT	DLTA|E2|	dihydroli	protein-coding
chr12-12	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (	AluSx1|SI	-1456	NM_025157	5829	Hs.44633	NM_00285	ENSG0000	PXN	-	paxillin	protein-coding
chr19-17	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr19	17230288	17231038	+	0	NA	Intergeni	Intergeni	4437	NM_02457	79629	Hs.42267	NM_02457	ENSG0000	OCEL1	FWP009|S	occludin/	protein-coding
chr2-333	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr2	33393598	33394328	+	0	NA	intron (	L1PA5|LI	-24553	NR_03962	1.01E+08		NR_03962	ENSG0000	MIR4430	-	microRNA	ncRNA
chr3-141	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (	AluSp|SI	6128	NM_00167	483	Hs.47778	NM_00167	ENSG0000	ATP1B3	ATPB-3|C	ATPase N	protein-coding
chr4-168	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr4	16886717	16888141	+	0	NA	intron (	intron (	11216	NM_00113	9079	Hs.71433	NM_00129	ENSG0000	LDB2	CLIM1|LD	LIM domai	protein-coding
chr4-140	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	-23801	NR_07721	644962	Hs.67650	NR_077215		TNRC18P1	-	trinucle	pseudo
chr5-388	5.161658	-0.95689	1.026883	-0.93184	0.351418	0.981636	chr5	38897615	38898905	+	0	NA	intron (	L1M1|LIN	52248	NM_00132	9180	Hs.12065	NM_00399	ENSG0000	OSMR	IL-31R-b	oncostati	protein-coding
chr6-108	9.351036	-0.7251	0.778311	-0.93164	0.351525	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (	AluSx1|SI	40258	NM_00130	8724	Hs.12102	NM_00379	ENSG0000	SNX3	Grd19|MC	sorting	protein-coding
chr9-7027	9.351036	-0.7251	0.778311	-0.93164	0.351525	0.981636	chr9	70274155	70274359	+	0	NA	intron (	AluY|SIN	15279	NM_01511	23137	Hs.53418	NM_01511	ENSG0000	SMC5	SMC5L1	structur	protein-coding
chr1-202	10.19493	0.689275	0.740004	0.931448	0.351622	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (	intron (	-4977	NM_002871	5877	Hs.90875	NM_002871	ENSG0000	RABIF	MSS4|RAS	RAB inte	protein-coding
chr1-2354	10.19493	0.689275	0.740004	0.931448	0.351622	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (	L1MEf|LI	21120	NM_15249	148789	Hs.49814	NM_15249	ENSG0000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr10-14	6.263092	0.881062	0.945908	0.931445	0.351623	0.981636	chr10	14942792	14943312	+	0	NA	intron (	AluSx|SI	11044	NM_00135	64421	Hs.65593	NM_022487	ENSG0000	DCLRE1C	A-SCID|D	DNA cros	protein-coding
chr16-317	6.263092	0.881062	0.945908	0.931445	0.351623	0.981636	chr16	31748766	31749610	+	0	NA	intron (	L1PA8A|LI	35959	NM_00113	124411	Hs.52882	NM_001004	ENSG0000	ZNF720	-	zinc fin	protein-coding
chr11-52	19.61124	0.520797	0.559158	0.931395	0.351649	0.981636	chr11	52690121	52690618	+	0	NA	Intergeni	ALR/Alph	1913629	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactor	protein-coding
chr15-30	7.599945	-0.81118	0.871243	-0.93107	0.35182	0.981636	chr15	30920970	30921182	+	0	NA	intron (	AluJb|SI	17161	NM_014967	22909	Hs.58486	NM_014967	ENSG0000	FAN1	KIAA1018|	FANCD2 a	protein-coding
chr13-494	5.136235	-0.96767	1.039322	-0.93106	0.351821	0.981636	chr13	49471662	49472452	+	0	NA	intron (	FLAM_C|SI	-23896	NM_00104	51131	Hs.36903	NM_00104	ENSG0000	PHF11	APY|BCAP|	PHD fing	protein-coding
chr14-731	5.136235	-0.96767	1.039322	-0.93106	0.351821	0.981636	chr14	73126108	73126501	+	0	NA	Intergeni	Intergeni	-10203	NM_000021	5663	Hs.3260	NM_000021	ENSG0000	PSEN1	ACNINV3|	presenili	protein-coding
chr17-49	5.136235	-0.96767	1.039322	-0.93106	0.351821	0.981636	chr17	49831830	49832054	+	0	NA	3’ UTR (	3’ UTR (	-13968	NM_00124	729220	Hs.43413	NM_001242791		FLJ45513	-	uncharact	protein-coding
chr5-126	5.136235	-0.96767	1.039322	-0.93106	0.351821	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (	MLT1F1|LT	29244	NM_00119	4001	Hs.89497	NM_00557	ENSG0000	LMNB1	ADLD|LMN|	lamin B1	protein-coding
chr19-25	87.81262	0.305311	0.328056	0.930668	0.352025	0.981636	chr19	25506887	25507092	+	0	NA	Intergeni	ALR/Alph	-1343542	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr14-10	3.930729	-1.09771	1.179921	-0.93032	0.352203	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (	intron (	8566	NM_00110	7517	Hs.59232	NM_00543	ENSG0000	XRCC3	CMM6	X-ray re	protein-coding
chr2-1331	3.930729	-1.09771	1.179921	-0.93032	0.352203	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	L1MD1|LI	-73506	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000	NCKAP5-A	-	NCKAP5 a	ncRNA
chr17-297	7.914154	0.776238	0.834428	0.930263	0.352235	0.981636	chr17	29753058	29754349	+	0	NA	intron (	AluSg7|SI	7729	NM_00128	85464	Hs.654754	NM_03338	ENSG0000	SSH2	SSH-2|SS	slingshot	protein-coding
chr5-123	7.914154	0.776238	0.834428	0.930263	0.352235	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	8119	NM_00094	5480	Hs.110364	NM_00094	ENSG0000	PPIC	CYPC	peptidyl	protein-coding
chr13-20	6.351449	-0.87738	0.943393	-0.93003	0.352357	0.981636	chr13	20993955	20994440	+	0	NA	intron (	intron (	-44769	NR_10405	1.02E+08	Hs.63763	NR_10405	ENSG0000	LINC00367	-	long int	ncRNA
chr18-13	6.351449	-0.87738	0.943393	-0.93003	0.352357	0.981636	chr18	13080462	13080661	+	0	NA	intron (	L1PA6|LI	89199	NM_03214	55125	Hs.100914	NM_01806	ENSG0000	CEP192	PPP1R62	centroso	protein-coding
chr4-4857	6.351449	-0.87738	0.943393	-0.93003	0.352357	0.981636	chr4	48575439	48576086	+	0	NA	intron (	intron (	85510	NM_17561	326340	Hs.276457	NM_17561	ENSG0000	ZAR1	Z3CXXC6	zygote a	protein-coding
chr7-135	6.351449	-0.87738	0.943393	-0.93003	0.352357	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (	AluSz|SI	45715	NM_00132	23165	Hs.74325	NM_01513	ENSG0000	NUP205	C7orf14|	nucleopo	protein-coding
chr11-18	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr11	18299923	18301275	+	0	NA	intron (	AluSx|SI	21541	NM_00721	11234	Hs.43759	NM_00721	ENSG0000	HPS5	AIBP63|B	HPS5 bio	protein-coding
chr11-20	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr11	20377262	20380152	+	0	NA	intron (	intron (	-8823	NM_00114	10196	Hs.152337	NM_00578	ENSG0000	PRMT3	HRMT1L3	protein	protein-coding
chr11-711	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr11	71131865	71132179	+	0	NA	intron (	intron (	92774	NM_01230	22941	Hs.26872	NM_01230	ENSG0000	SHANK2	AUTS17|C	SH3 and	protein-coding
chr15-427	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr15	42750903	42753142	+	0	NA	exon (NM_	exon (NM_	-14894	NM_138477	146059	Hs.59923	NM_138477	ENSG0000	CDAN1	CDA1|CDA	codanin 1	protein-coding
chr15-62	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr15	62839453	62839655	+	0	NA	intron (	intron (	15597	NR_02970	406965		NR_02970	ENSG0000	MIR190A	MIR190|M	microRNA	ncRNA
chr15-90	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr15	90877515	90878953	+	0	NA	exon (NM_	exon (NM_	5356	NM_00128	5045	Hs.51315	NM_00256	ENSG0000	FURIN	FUR|PACE|	furin, p	protein-coding
chr16-89	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr16	89649385	89650001	+	0	NA	intron (	AluY|SIN	8015	NR_04641	5119	Hs.589427	NM_00276	ENSG0000	CHMP1A	CHMP1|PC	charged	protein-coding
chr18-124	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr18	12443904	12445682	+	0	NA	intron (	FRAM|SIN	12019	NR_136514	1.05E+08	Hs.51528	NR_136514		LOC105371	-	uncharact	ncRNA
chr19-36	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr19	3631708	3633472	+	0	NA	3’ UTR (	3’ UTR (	-5775	NM_021231	58509	Hs.12842	NM_021231	ENSG0000	CACTIN	C19orf29|	cactin,	protein-coding
chr19-401	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr19	4012533	4014349	+	0	NA	intron (	intron (	5705	NM_015897	51588	Hs.10577	NM_015897	ENSG0000	PIAS4	PIAS-gam	protein i	protein-coding
chr19-104	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr19	10459183	10459650	+	0	NA	exon (NM_	exon (NM_	6484	NM_00620	5141	Hs.89901	NM_00620	ENSG0000	PDE4A	DPDE2|PD	phosphodi	protein-coding
chr19-19	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr19	19891076	19893155	+	0	NA	exon (NM_	exon (NM_	-8831	NM_03121	81931	Hs.30105	NM_03121	ENSG0000	ZNF93	HPF34|HT	zinc fin	protein-coding
chr2-390	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr2	39007781	39008550	+	0	NA	intron (	L1M4b|LI	-47821	NR_02838	375196	Hs.65903	NR_02838	ENSG0000	LOC37519	-	uncharact	ncRNA
chr2-240	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (	intron (	-7028	NM_00119	2859	Hs.11221	NM_005301	ENSG0000	GPR35	-	G protei	protein-coding
chr20-35	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr20	3593155	3595171	+	0	NA	intron (	L2b|LINE|	69236	NM_02213	64096	Hs.30202	NM_02213	ENSG0000	GFRA4	-	GDNF fami	protein-coding
chr3-5724	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr3	57240831	57241656	+	0	NA	intron (	intron (	13514	NM_01209	26060	Hs.47641	NM_01209	ENSG0000	APPL1	APPL|DIP1	adaptor	protein-coding
chr6-107	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr6	1.07E+08	1.07E+08	+	0	NA	intron (	LTR12C|LT	95963	NM_020381	57107	Hs.74500	NM_020381	ENSG0000	PDSS2	C6orf210|	decapren	protein-coding
chr6-1161	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (	MER44A|D	9146	NM_15272	221294	Hs.520341	NM_15272	ENSG0000	NT5DC1	C6orf200|	5’-nucle	protein-coding
chr7-112	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (	Tigger3a|	33655	NM_15255	154743	Hs.489734	NM_15255	ENSG0000	BMT2	C7orf60|	base met	protein-coding

chr8-4286	6.204387	0.871655	0.937242	0.930022	0.35236	0.981636	chr8	42863119	42864280	+	0	NA	intron (N	AluSc|SIN	-20368	NM_199003	55145	Hs.7432	NM_018105	ENSG00000	THAP1	DYT6	THAP doma	protein-coding
chr17-427	7.906296	0.778343	0.836943	0.929984	0.352379	0.981636	chr17	42778798	42779351	+	0	NA	3’ UTR (N	3’ UTR (N	-1536	NM_001321	65266	Hs.105448	NM_032387	ENSG00000	WNK4	PHA2B|PRK	WNK lysin	protein-coding
chr20-273	7.980717	0.781698	0.840805	0.929702	0.352526	0.981636	chr20	27366030	27366962	+	0	NA	Intergeni	ALR/Alpha	-1157263	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr4-7223	7.980717	0.781698	0.840805	0.929702	0.352526	0.981636	chr4	722359	722558	+	0	NA	intron (N	intron (N	16626	NM_001317	10336	Hs.144309	NM_006315	ENSG00000	PCGF3	DONG1|RNF	polycomb	protein-coding
chr17-184	7.666508	-0.80005	0.860701	-0.92953	0.352615	0.981636	chr17	1843027	1843424	+	0	NA	intron (N	intron (N	13220	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTC	replicati	protein-coding
chr6-1175	7.666508	-0.80005	0.860701	-0.92953	0.352615	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	L1ME4b|LI	58545	NM_001366	285761	Hs.658304	NM_173674	ENSG00000	DCBLD1	dJ94G16.1	discoidin	protein-coding
chr18-585	6.441586	-0.86945	0.935771	-0.92913	0.352823	0.981636	chr18	58548503	58548921	+	0	NA	intron (N	intron (N	-51908	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr1-4008	8.118257	-0.76616	0.82461	-0.92912	0.352827	0.981636	chr1	40087853	40088374	+	0	NA	intron (N	intron (N	9139	NM_001142	5538	Hs.3873	NM_000310	ENSG00000	PPT1	CLN1|INCL	palmitoyl	protein-coding
chr11-102	8.118257	-0.76616	0.82461	-0.92912	0.352827	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	TTS (NM_C	TTS (NM_C	48637	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAF	baculovir	protein-coding
chr5-9673	8.118257	-0.76616	0.82461	-0.92912	0.352827	0.981636	chr5	96730580	96731989	+	0	NA	intron (N	intron (N	-12318	NR_104285	831	Hs.436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr5-1093	8.118257	-0.76616	0.82461	-0.92912	0.352827	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-40444	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr8-1407	8.922861	-0.75529	0.813007	-0.92901	0.352884	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	promoter-	promoter-	23	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr1-2360	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	AluSx1|SI	42715	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr11-104	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	L2a|LINE|	25024	NM_033306	837	Hs.138378	NM_001225	ENSG00000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr12-480	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr12	48045333	48045560	+	0	NA	intron (N	intron (N	-40970	NM_033150	1280	Hs.408182	NM_001844	ENSG00000	COL2A1	ANFH|AOM|	collagen	protein-coding
chr13-467	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr13	46780263	46781980	+	0	NA	intron (N	intron (N	16040	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr13-499	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr13	49914173	49914761	+	0	NA	non-codin	non-codin	21873	NM_020456	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|C	SPRY doma	protein-coding
chr15-670	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr15	67079020	67079616	+	0	NA	intron (N	intron (N	13716	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr2-6111	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr2	61118875	61119438	+	0	NA	intron (N	intron (N	25819	NR_036496	339803	Hs.252433	NR_036496	ENSG00000	LOC339803	-	uncharact	ncRNA
chr2-2100	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	intron (N	intron (N	6028	NM_001318	6120	Hs.282260	NM_006916	ENSG00000	RPE	RPE2-1	ribulose-	protein-coding
chr2-2173	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr2	2.17E+08	2.17E+08	+	0	NA	intron (N	THE1B-int	108260	NR_133642	1.05E+08		NR_133642		DIRC3-AS1	-	DIRC3 ant	ncRNA
chr2-2249	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	AluSz|SIN	17013	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr6-1078	6.376873	-0.86871	0.935112	-0.929	0.352891	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-46765	NM_001286	256380	Hs.486109	NM_198081	ENSG00000	SCML4	dJ47M23.1	Scm polyc	protein-coding
chr1-4294	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr1	42942245	42943547	+	0	NA	intron (N	MIRc|SINE	15972	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr12-709	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr12	7098469	7099218	+	0	NA	intron (N	L1MB7|LIN	-6398	NM_001733	715	Hs.524224	NM_001733	ENSG00000	C1R	EDSPD1	complemen	protein-coding
chr17-376	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr17	37613573	37614602	+	0	NA	TTS (NR_1	TTS (NR_1	952	NR_106744	1.02E+08		NR_106744	ENSG00000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr2-3931	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr2	39318949	39319389	+	0	NA	intron (N	intron (N	-75186	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-1999	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr2	2E+08	2E+08	+	0	NA	non-codin	non-codin	18770	NM_153689	205327	Hs.154494	NM_153689	ENSG00000	C2orf69	-	chromosom	protein-coding
chr8-2639	6.410154	-0.8621	0.928118	-0.92887	0.352958	0.981636	chr8	26397282	26397576	+	0	NA	intron (N	L1PA2|LIN	7016	NM_001330	665	Hs.131226	NM_004331	ENSG00000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr11-183	8.092833	-0.77287	0.83227	-0.92863	0.353079	0.981636	chr11	18352950	18353232	+	0	NA	intron (N	AluSq2|SI	30524	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr7-5508	4.717768	-1.03811	1.118204	-0.92837	0.353213	0.981636	chr7	55083076	55083545	+	0	NA	intron (N	intron (N	-26529	NM_001346	1956	Hs.488293	NM_005228	ENSG00000	EGFR	ERBB|ERBB	epidermal	protein-coding
chr1-2036	5.668509	0.955519	1.029471	0.928165	0.353322	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluJb|SIN	-41286	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNC	small nuc	snoRNA
chr12-109	8.126114	-0.76768	0.827352	-0.92788	0.353469	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	TTS (NM_C	TTS (NM_C	29190	NR_133898	83892	Hs.524731	NM_031954	ENSG00000	KCTD10	BTBD28|MS	potassium	protein-coding
chr1-1538	6.188671	0.877133	0.945379	0.927811	0.353506	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14125	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr16-864	6.188671	0.877133	0.945379	0.927811	0.353506	0.981636	chr16	8646318	8646891	+	0	NA	non-codin	non-codin	24906	NR_134608	79091	Hs.306380	NM_024109	ENSG00000	METTL22	C16orf68	methyltra	protein-coding
chr3-1204	6.188671	0.877133	0.945379	0.927811	0.353506	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	4835	NM_007085	11167	Hs.269512	NM_007085	ENSG00000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr4-5330	6.188671	0.877133	0.945379	0.927811	0.353506	0.981636	chr4	533062	533443	+	0	NA	intron (N	intron (N	34042	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr10-934	3.922871	-1.09485	1.180089	-0.92777	0.353526	0.981636	chr10	93473394	93474002	+	0	NA	intron (N	intron (N	8636	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr2-1775	3.922871	-1.09485	1.180089	-0.92777	0.353526	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	L1PA16|LI	36751	NM_152517	150737	Hs.447659	NM_152517	ENSG00000	TTC30B	IFT70|IFT	tetratric	protein-coding
chr3-8152	3.922871	-1.09485	1.180089	-0.92777	0.353526	0.981636	chr3	81525640	81526561	+	0	NA	intron (N	L1PA4|LIN	235545	NM_000158	2632	Hs.436062	NM_000158	ENSG00000	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr3-1381	3.922871	-1.09485	1.180089	-0.92777	0.353526	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSq2|SI	5490	NM_001267	25852	Hs.744868	NM_014154	ENSG00000	ARMC8	GID5|HSPC	armadillo	protein-coding
chr6-1445	3.922871	-1.09485	1.180089	-0.92777	0.353526	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	146679	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr1-2344	4.435914	1.032655	1.113063	0.92776	0.353532	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	MER102b|D	50700	NM_005646	6894	Hs.498115	NM_005646	ENSG00000	TARBP1	TRM3|TRMT	TAR (HIV-	protein-coding
chr7-1549	5.177374	-0.96146	1.036579	-0.92753	0.353649	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	33160	NR_024476	1E+08	Hs.586358	NR_024476	ENSG00000	PAXIP1-AS	PAXIP1OS	PAXIP1 an	ncRNA
chr1-1836	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9013	NM_005717	10092	Hs.518609	NM_005717	ENSG00000	ARPC5	ARC16|dJ1	actin rel	protein-coding
chr11-780	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr11	78067752	78068718	+	0	NA	TTS (NM_C	TTS (NM_C	4374	NM_003251	7069	Hs.591969	NM_003251	ENSG00000	THRSP	LPGP1|Lpg	thyroid h	protein-coding
chr14-911	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr14	91187898	91188657	+	0	NA	intron (N	MLT1J1|LT	56427	NM_001177	8111	Hs.8882	NM_003485	ENSG00000	GPR68	AI2A6|GPR	G protein	protein-coding
chr15-418	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr15	41899103	41901091	+	0	NA	3’ UTR (N	3’ UTR (N	-6044	NM_016642	51332	Hs.709819	NM_016642	ENSG00000	SPTBN5	BSPECV|HU	spectrin	protein-coding
chr16-330	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr16	3302702	3303634	+	0	NA	intron (N	intron (N	-2238	NM_153028	7627	Hs.513292	NM_153028	ENSG00000	ZNF75A	-	zinc fing	protein-coding
chr2-7249	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr2	72495491	72495996	+	0	NA	intron (N	L1ME1|LIN	330290	NM_001321	23233	Hs.303454	NM_015189	ENSG00000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr2-2164	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-27693	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr21-369	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr21	36956465	36956877	+	0	NA	intron (N	AluY|SINE	5687	NM_001352	3141	Hs.371350	NM_000411	ENSG00000	HLCS	HCS	holocarbo	protein-coding
chr3-1080	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	TTS (NM_C	TTS (NM_C	48333	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr3-1461	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	10145	NM_182943	5352	Hs.477866	NM_000935	ENSG00000	PLOD2	BRKS2|LH2	procollag	protein-coding
chr3-1465	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr3	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	20076	NM_001363	5359	Hs.130759	NM_021105	ENSG00000	PLSCR1	MMTRA1B	phospholi	protein-coding
chr3-1699	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	3975	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr4-5644	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr4	56441897	56443501	+	0	NA	intron (N	intron (N	6439	NM_001079	10606	Hs.518774	NM_006452	ENSG00000	PAICS	ADE2|ADE2	phosphori	protein-coding
chr4-7704	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr4	77041597	77043005	+	0	NA	Intergeni	AluSz|SIN	32609	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr4-1393	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	3’ UTR (N	3’ UTR (N	65581	NR_159963	1.08E+08	Hs.605782	NR_159963		LOC107984	-	uncharact	ncRNA
chr5-4184	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr5	41848450	41848816	+	0	NA	intron (N	L1PA3|LIN	-4976	NM_001364	5019	Hs.278277	NM_000436	ENSG00000	OXCT1	OXCT|SCOT	3-oxoacid	protein-coding
chr5-7559	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr5	75594882	75596946	+	0	NA	intron (N	L1MC1|LIN	-15562	NM_001276	728780	Hs.370455	NM_001271	ENSG00000	ANKDD1B	-	ankyrin r	protein-coding
chr6-1586	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	15204	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr8-6056	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chr8	60560672	60561298	+	0	NA	intron (N	LTR33A_|L	43998	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chrX-1048	5.153801	-0.95467	1.029258	-0.92753	0.353651	0.981636	chrX	10481828	10482641	+	0	NA	intron (N	intron (N	85369	NM_001193	4281	Hs.27695	NM_000381	ENSG00000	MID1	BBBG1|FXY	midline 1	protein-coding
chr11-107	8.110399	-0.76467	0.82445	-0.92749	0.353672	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-44474	NM_152434	143884	Hs.212140	NM_152434	ENSG00000	CWF19L2	-	CWF19 lik	protein-coding
chr14-312	8.110399	-0.76467	0.82445	-0.92749	0.353672	0.981636	chr14	31202990	31204519	+	0	NA	intron (N	L1PA5|LIN	4039	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr4-1688	8.110399	-0.76467	0.82445	-0.92749	0.353672	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	47469	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr4-1833	8.110399	-0.76467	0.82445	-0.92749	0.353672	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	7765	NM_001111	53842	Hs.333179	NM_001111	ENSG00000	CLDN22	CLDN21	claudin 2	protein-coding
chr9-1089	8.110399	-0.76467	0.82445	-0.92749	0.353672	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA3|LIN	25908	NM_001286	8727	Hs.58488	NM_003798	ENSG00000	CTNNAL1	ACRP|CLLP	catenin a	protein-coding
chr16-569	8.100691	-0.77444	0.835036	-0.92744	0.353699	0.981636	chr16	56946048	56946362	+	0	NA	Intergeni	AluSx1|SI	14063	NM_014685	9709	Hs.146393	NM_014685	ENSG00000	HERPUD1	HERP|Mif1	homocyste	protein-coding
chr1-2435	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	AluSz|SIN	231122	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr11-656	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr11	65633527	65634744	+	0	NA	exon (NM_	exon (NM_	-2175	NR_039839	1.01E+08		NR_039839	ENSG00000	MIR4690	-	microRNA	ncRNA
chr16-222	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr16	22263386	22263585	+	0	NA	intron (N	AluSx|SIN	-33890	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr16-677	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr16	67728309	67731420	+	0	NA	intron (N	intron (N	-10548	NR_027398	81577	Hs.307084	NM_030819	ENSG00000	GFOD2	-	glucose-f	protein-coding
chr19-151	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr19	15174089	15175507	+	0	NA	intron (N	AluSx|SIN	4552	NR_106853	1.02E+08		NR_106853	ENSG00000	MIR6795	hsa-mir-6	microRNA	ncRNA
chr2-2194	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	4651	NM_001173	10290	Hs.21639	NM_005876	ENSG00000	SPEG	APEG-1|AP	striated	protein-coding
chr22-418	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr22	41868721	41869705	+	0	NA	intron (N	AluSg|SIN	-31731	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr9-8901	6.237669	0.874954	0.943708	0.927145	0.353851	0.981636	chr9	89013020	89013780	+	0	NA	3’ UTR (N	3’ UTR (N	21932	NM_005226	1903	Hs.585118	NM_005226	ENSG00000	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr1-1237	22.90876	0.489175	0.527618	0.927139	0.353854	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2279003	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2270	10.22821	0.691526	0.746108	0.926844	0.354007	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	HSMAR2|DN	98755	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr19-271	28.30124	0.449374	0.484852	0.926828	0.354016	0.981636	chr19	27139682	27140680	+	0	NA	Intergeni	ALR/Alpha	-653250	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-755	5.128377	-0.96546	1.041748	-0.92677	0.354046	0.981636	chr13	75560808	75561426	+	0	NA	intron (N	AluJb|SIN	11367	NM_006002	7347	Hs.162241	NM_006002	ENSG00000	UCHL3	UCH-L3	ubiquitin	protein-coding
chr19-105	5.128377	-0.96546	1.041748	-0.92677	0.354046	0.981636	chr19	10562648	10563019	+	0	NA	exon (NM_	exon (NM_	3177	NM_023008	65095	Hs.709967	NM_023008	ENSG00000	KRI1	-	KRI1 homo	protein-coding
chr20-414	5.128377	-0.96546	1.041748	-0.92677	0.354046	0.981636	chr20	41464738	41464937	+	0	NA	intron (N	L1MC4a|LI	-98019	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr5-1510	5.128377	-0.96546	1.041748	-0.92677	0.354046	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	L1MC4a|LI	18130	NM_001258	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr16-158	7.493097	1.737649	1.875625	0.926437	0.354219	0.981636	chr16	1580422	1580669	+	0	NA	promoter-	promoter-	18	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG00000	LOC105371	-	uncharact	ncRNA
chr13-513	11.09427	-0.66548	0.718323	-0.92644	0.354219	0.981636	chr13	51369022	51369221	+	0	NA	exon (NM_	exon (NM_	-20482	NR_049878	1.01E+08		NR_049878	ENSG00000	MIR5693	-	microRNA	ncRNA
chr19-786	6.23166	0.892498	0.963554	0.926257	0.354313	0.981636	chr19	7863481	7864129	+	0	NA	3’ UTR (N	3’ UTR (N	10585	NM_001190	80164	Hs.288540	NM_001080	ENSG00000	PRR36	-	proline r	protein-coding
chr12-567	4.617923	-1.06854	1.153682	-0.9262	0.354342	0.981636	chr12	56745407	56745942	+	0	NA	intron (N	AluSx1|SI	6649	NM_000946	5557	Hs.534339	NM_000946	ENSG00000	PRIM1	p49	DNA prima	protein-coding
chr3-1231	7.392142	0.815599	0.881214	0.92554	0.354685	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-15728	NR_106960	1.02E+08		NR_106960	ENSG00000	MIR7110	hsa-mir-7	microRNA	ncRNA
chr13-113	5.804383	-1.58839	1.716408	-0.92542	0.354749	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	Intergeni	Intergeni	6495	NR_047495	1.01E+08	Hs.353773	NR_047495	ENSG00000	LINC00565	-	long inte	ncRNA
chr16-224	11.06099	-0.66917	0.723526	-0.92487	0.355033	0.981636	chr16	22493558	22493812	+	0	NA	Intergeni	Intergeni	-10764	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr11-941	7.425424	0.818418	0.88508	0.924682	0.355131	0.981636	chr11	94178503	94178796	+	0	NA	intron (N	intron (N	49808	NM_015368	24145	Hs.591976	NM_015368	ENSG00000	PANX1	MRS1|PX1|	pannexin	protein-coding
chr16-111	7.425424	0.818418	0.88508	0.924682	0.355131	0.981636	chr16	11123984	11124505	+	0	NA	intron (N	intron (N	131938	NM_003745	8651	Hs.50640	NM_003745	ENSG00000	SOCS1	CIS1|CISH	suppresso	protein-coding
chr19-755	7.425424	0.818418	0.88508	0.924682	0.355131	0.981636	chr19	7551821	7552438	+	0	NA	intron (N	AluJb|SIN	16412	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr2-2350	11.5793	-0.64458	0.697131	-0.92462	0.355164	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	27050	NM_001371306								
chr14-103	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	13916	NM_024071	79038	Hs.592322	NM_024071	ENSG00000	ZFYVE21	HCVP7TP1|	zinc fing	protein-coding
chr15-525	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr15	52546435	52546823	+	0	NA	TTS (NM_C	TTS (NM_C	-17579	NM_000259	4644	Hs.21213	NM_000259	ENSG00000	MYO5A	GS1|MYH12	myosin VA	protein-coding
chr15-553	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr15	55311886	55312522	+	0	NA	Intergeni	LTR17|LTR	6919	NM_001308	1.02E+08	Hs.493512	NM_001308	ENSG00000	PIGBOS1	HP06981	PIGB oppo	protein-coding
chr16-163	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr16	16332024	16332381	+	0	NA	intron (N	L1M4|LINE	2897	NR_106828	1.02E+08		NR_106828	ENSG00000	MIR6770-1	hsa-mir-6	microRNA	ncRNA
chr17-182	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr17	18234158	18235073	+	0	NA	intron (N	intron (N	8980	NM_004140	3996	Hs.513983	NM_004140	ENSG00000	LLGL1	DLG4|HUGL	LLGL scri	protein-coding
chr20-327	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr20	32713970	32714342	+	0	NA	intron (N	L2a|LINE|	29852	NM_001099	149951	Hs.408427	NM_053041	ENSG00000	COMMD7	C20orf92|	COMM doma	protein-coding
chr5-1795	7.922012	0.774077	0.837198	0.924605	0.355171	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	12589	NM_001040	80230	Hs.306769	NM_025158	ENSG00000	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr21-392	10.16951	0.685372	0.741384	0.92445	0.355252	0.981636	chr21	39270422	39270621	+	0	NA	intron (N	intron (N	43111	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr1-1241	13.58719	0.616403	0.667022	0.924112	0.355428	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2677089	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-323	8.14368	-0.75961	0.822392	-0.92366	0.355661	0.981636	chr21	32367687	32368053	+	0	NA	intron (N	intron (N	9452	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNC	small nuc	snoRNA
chr21-436	8.14368	-0.75961	0.822392	-0.92366	0.355661	0.981636	chr21	43666190	43666898	+	0	NA	intron (N	AluSg4|SI	6984	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr11-106	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSp|SIN	-17300	NM_001330	143879	Hs.101949	NM_152433	ENSG00000	KBTBD3	BKLHD3	kelch rep	protein-coding
chr16-676	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr16	67611175	67612324	+	0	NA	intron (N	intron (N	-33395	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr2-8496	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr2	84965724	84966761	+	0	NA	Intergeni	Charliela	-4919	NM_020122	56888	Hs.654968	NM_020122	ENSG00000	KCMF1	DEBT91|FI	potassium	protein-coding
chr3-1016	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-6879	NR_024407	1E+08	Hs.743292	NR_024407	ENSG00000	ZBTB11-AS	-	ZBTB11 an	ncRNA
chr3-1727	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	5658	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr4-7311	8.102541	-0.76319	0.826875	-0.92299	0.356015	0.981636	chr4	73118246	73118786	+	0	NA	intron (N	intron (N	-48757	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr16-167	7.955294	0.776781	0.841734	0.922834	0.356094	0.981636	chr16	1672276	1672818	+	0	NA	intron (N	intron (N	-5732	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr16-749	7.955294	0.776781	0.841734	0.922834	0.356094	0.981636	chr16	74941670	74942645	+	0	NA	intron (N	intron (N	42966	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr9-1161	7.955294	0.776781	0.841734	0.922834	0.356094	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	35943	NM_002581	5069	Hs.643599	NM_002581	ENSG00000	PAPPA	ASBABP2|D	pappalysi	protein-coding
chr4-1354	6.979683	0.880465	0.954216	0.922711	0.356158	0.981636	chr4	1354910	1355561	+	0	NA	exon (NM_	exon (NM_	7679	NM_001317	57654	Hs.380475	NM_020894	ENSG00000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr10-407	34.5256	0.403534	0.437368	0.922642	0.356194	0.981636	chr10	40771382	40771646	+	0	NA	Intergeni	ALR/Alpha	1596531	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr16-694	8.151538	-0.7611	0.825126	-0.9224	0.356318	0.981636	chr16	69462319	69462817	+	0	NA	3’ UTR (N	3’ UTR (N	37973	NM_030579	80777	Hs.461131	NM_030579	ENSG00000	CYB5B	CYB5-M|CY	cytochrom	protein-coding
chr5-1466	8.151538	-0.7611	0.825126	-0.9224	0.356318	0.981636	chr5	1466101	1468364	+	0	NA	intron (N	intron (N	-21792	NM_001044	6531	Hs.406	NM_001044	ENSG00000	SLC6A3	DAT|DAT1|	solute ca	protein-coding
chr8-7384	8.151538	-0.7611	0.825126	-0.9224	0.356318	0.981636	chr8	73844376	73844782	+	0	NA	intron (N	SVA_B|Ret	34283	NM_018299	55284	Hs.128841	NM_018299	ENSG00000	UBE2W	UBC-16|UE	ubiquitin	protein-coding
chr6-1459	7.625368	-0.80387	0.87155	-0.92235	0.356348	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	40163	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr8-1233	7.625368	-0.80387	0.87155	-0.92235	0.356348	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	L1ME1|LIN	-24003	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA

chr5-4881	37.78014	0.391905	0.425003	0.922123	0.356464	0.981636	chr5	48810888	48811807	+	0	NA	Intergeni	ALR/Alpha	1629941	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2237	8.135822	-0.75813	0.822231	-0.92204	0.356509	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MC3|LIN	10225	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr11-863	8.135822	-0.75813	0.822231	-0.92204	0.356509	0.981636	chr11	86339010	86340873	+	0	NA	intron (N	L1PA6|LIN	-34795	NM_021827	60494	Hs.144913	NM_021827	ENSG00000	CCDC81	-	coiled-cc	protein-coding
chr17-290	8.135822	-0.75813	0.822231	-0.92204	0.356509	0.981636	chr17	29080058	29080257	+	0	NA	intron (N	CpG	-4548	NM_004740	9220	Hs.462590	NM_004740	ENSG00000	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr5-5597	8.135822	-0.75813	0.822231	-0.92204	0.356509	0.981636	chr5	55972338	55977461	+	0	NA	intron (N	MIR|SINE|	20064	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr6-7517	8.135822	-0.75813	0.822231	-0.92204	0.356509	0.981636	chr6	75175799	75184148	+	0	NA	intron (N	L1MB3|LIN	26080	NM_080645	1303	Hs.101302	NM_004370	ENSG00000	COL12A1	BA209D8.1	collagen	protein-coding
chr8-2775	5.19494	-0.94858	1.028833	-0.922	0.35653	0.981636	chr8	27756365	27757002	+	0	NA	intron (N	intron (N	15957	NR_156432	55246	Hs.445512	NM_018246	ENSG00000	CCDC25	-	coiled-cc	protein-coding
chr2-9361	5.187082	-0.94637	1.026442	-0.92199	0.356533	0.981636	chr2	9361958	9363398	+	0	NA	intron (N	AluJo|SIN	59913	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-3302	5.187082	-0.94637	1.026442	-0.92199	0.356533	0.981636	chr2	33026782	33027767	+	0	NA	intron (N	L1MA9|LIN	80321	NM_206943	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-3324	5.187082	-0.94637	1.026442	-0.92199	0.356533	0.981636	chr2	33246904	33247657	+	0	NA	intron (N	MIRb|SINE	112683	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr22-455	5.187082	-0.94637	1.026442	-0.92199	0.356533	0.981636	chr22	45554110	45555636	+	0	NA	intron (N	intron (N	50774	NR_131244	1.01E+08	Hs.517692	NR_131244	ENSG00000	LINC01589	TCONS_000	long inte	ncRNA
chr19-291	12.91359	0.609947	0.661596	0.921933	0.356563	0.981636	chr19	2915647	2918752	+	0	NA	exon (NM_	exon (NM_	10091	NM_001319	126295	Hs.591378	NM_173480	ENSG00000	ZNF57	ZNF424	zinc fing	protein-coding
chr8-5378	4.643346	-1.05547	1.145119	-0.92171	0.356678	0.981636	chr8	53788006	53788205	+	0	NA	intron (N	intron (N	54937	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr1-6261	9.802785	-0.70141	0.761114	-0.92156	0.356759	0.981636	chr1	62618090	62618477	+	0	NA	intron (N	intron (N	20763	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr5-9349	9.802785	-0.70141	0.761114	-0.92156	0.356759	0.981636	chr5	93490666	93490865	+	0	NA	intron (N	(GGT)n|Si	80578	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1296	9.86149	-0.69174	0.750767	-0.92137	0.356856	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	MER58A|DN	-114496	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr6-1005	9.86149	-0.69174	0.750767	-0.92137	0.356856	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA3|LIN	-122270	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr18-801	9.425457	-0.7175	0.778797	-0.92129	0.356899	0.981636	chr18	80133301	80133500	+	0	NA	intron (N	intron (N	-14524	NR_028339	1E+08	Hs.352602	NM_001145	ENSG00000	PARD6G-AS	-	PARD6G an	ncRNA
chr6-1580	9.37646	-0.71928	0.780934	-0.92104	0.357027	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	3410	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-7777	9.37646	-0.71928	0.780934	-0.92104	0.357027	0.981636	chr7	77774310	77774603	+	0	NA	intron (N	AluSx3|SI	23978	NM_032936	85025	Hs.19025	NM_032936	ENSG00000	TMEM60	C7orf35|D	transmemb	protein-coding
chr1-7774	6.171105	0.86827	0.942761	0.920986	0.357058	0.981636	chr1	77744682	77744972	+	0	NA	intron (N	AluJr|SIN	15025	NM_201626	23032	Hs.480597	NM_015017	ENSG00000	USP33	VDU1	ubiquitin	protein-coding
chr15-727	6.171105	0.86827	0.942761	0.920986	0.357058	0.981636	chr15	72731508	72732863	+	0	NA	intron (N	intron (N	45978	NM_033028	585	Hs.208681	NM_033028	ENSG00000	BBS4	-	Bardet-Bi	protein-coding
chr2-2239	6.171105	0.86827	0.942761	0.920986	0.357058	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSz6|SI	18487	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr22-200	6.171105	0.86827	0.942761	0.920986	0.357058	0.981636	chr22	20043179	20044299	+	0	NA	intron (N	intron (N	10600	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr7-8790	2.701649	-1.34751	1.463629	-0.92066	0.357228	0.981636	chr7	87907020	87907871	+	0	NA	exon (NM_	exon (NM_	-26698	NM_021721	53616	Hs.256398	NM_004194	ENSG00000	ADAM22	ADAM 22|E	ADAM meta	protein-coding
chr2-3328	12.42504	-0.64138	0.696953	-0.92027	0.357432	0.981636	chr2	33286580	33287018	+	0	NA	intron (N	L1PA4|LIN	-131717	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr1-2415	7.65865	-0.79826	0.867745	-0.91993	0.35761	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSc|SIN	3118	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr15-572	7.65865	-0.79826	0.867745	-0.91993	0.35761	0.981636	chr15	57276691	57277020	+	0	NA	intron (N	AluSx|SIN	1802	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr12-120	8.477305	0.742187	0.806824	0.919887	0.357632	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	42018	NM_000017	35	Hs.507076	NM_000017	ENSG00000	ACADS	ACAD3|SCA	acyl-CoA	protein-coding
chr17-463	8.477305	0.742187	0.806824	0.919887	0.357632	0.981636	chr17	46351699	46352805	+	0	NA	intron (N	AluSp|SIN	9535	NM_001363	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr8-9451	8.477305	0.742187	0.806824	0.919887	0.357632	0.981636	chr8	94518591	94519415	+	0	NA	exon (NM_	exon (NM_	34466	NM_015496	25962	Hs.202238	NM_015496	ENSG00000	VIRMA	KIAA1429|	vir like	protein-coding
chr18-588	8.46159	0.746177	0.811263	0.919773	0.357691	0.981636	chr18	58898540	58898898	+	0	NA	intron (N	intron (N	33842	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr11-894	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr11	8949626	8950508	+	0	NA	intron (N	intron (N	-7034	NM_020646	56676	Hs.501852	NM_020646	ENSG00000	ASCL3	HASH3|SGN	achaete-s	protein-coding
chr3-1238	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1M5|LINE	12963	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-1832	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	L1M5|LINE	28002	NM_001111	53842	Hs.333179	NM_001111	ENSG00000	CLDN22	CLDN21	claudin 2	protein-coding
chr6-1823	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr6	18238301	18241172	+	0	NA	intron (N	Tigger15a	24794	NM_001134	7913	Hs.484813	NM_003472	ENSG00000	DEK	D6S231E	DEK proto	protein-coding
chr6-1635	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr6	1.64E+08	1.64E+08	+	0	NA	3' UTR (N	3' UTR (N	101688	NR_134620	1.03E+08	Hs.738183	NR_134620		LOC102724	-	uncharact	ncRNA
chr8-6170	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chr8	61709518	61711713	+	0	NA	intron (N	intron (N	3977	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chrX-7383	3.915013	-1.09203	1.18731	-0.91975	0.357705	0.981636	chrX	73832883	73833504	+	0	NA	intron (N	intron (N	19560	NR_001564	7503	Hs.529901	NR_001564	ENSG00000	XIST	DXS1089|D	X inactiv	ncRNA
chr19-440	12.92145	0.608666	0.661819	0.919686	0.357737	0.981636	chr19	44027742	44033536	+	0	NA	intron (N	MER77B|LT	5260	NM_001129	7673	Hs.279840	NM_013360	ENSG00000	ZNF222	-	zinc fing	protein-coding
chr19-373	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr19	37350394	37350719	+	0	NA	intron (N	L1MD2|LIN	15907	NM_001329	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr21-178	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr21	17810280	17811420	+	0	NA	intron (N	intron (N	8506	NM_001100	54149	Hs.293811	NM_017447	ENSG00000	C21orf91	C21orf14|	chromosom	protein-coding
chr3-4772	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr3	47726918	47727136	+	0	NA	intron (N	AluSz|SIN	54866	NM_003074	6599	Hs.476179	NM_003074	ENSG00000	SMARCC1	BAF155|CR	SWI/SNF r	protein-coding
chr3-1080	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	23069	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr4-8294	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr4	82944963	82945352	+	0	NA	intron (N	intron (N	-44241	NR_034077	1E+08	Hs.728916	NR_034075	ENSG00000	THAP9-AS1	-	THAP9 ant	ncRNA
chr4-8804	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr4	88047418	88047617	+	0	NA	intron (N	AluJo|SIN	39882	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr4-1592	6.402296	-0.86014	0.935304	-0.91963	0.357764	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	15465	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr15-520	3.956152	-1.08357	1.178467	-0.91947	0.357849	0.981636	chr15	52049911	52050611	+	0	NA	intron (N	intron (N	31042	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr6-2044	3.956152	-1.08357	1.178467	-0.91947	0.357849	0.981636	chr6	20441032	20441903	+	0	NA	intron (N	L1MB4|LIN	37788	NM_001243	1871	Hs.269408	NM_001949	ENSG00000	E2F3	E2F-3	E2F trans	protein-coding
chr6-2513	3.956152	-1.08357	1.178467	-0.91947	0.357849	0.981636	chr6	25132239	25132883	+	0	NA	intron (N	MER4-int|	5262	NR_002174	8418	Hs.484918	NR_002174	ENSG00000	CMAHP	CMAH|CSAH	cytidine	pseudo
chr17-625	9.820351	-0.69463	0.755627	-0.91928	0.357949	0.981636	chr17	62554145	62554713	+	0	NA	intron (N	AluSz|SIN	-73241	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr1-1519	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	MER9a3|LT	8477	NM_053055	117145	Hs.164070	NM_053055	ENSG00000	THEM4	CTMP	thioester	protein-coding
chr10-956	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr10	95634548	95634941	+	0	NA	intron (N	intron (N	21967	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-113	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	50986	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr14-203	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr14	20385225	20385795	+	0	NA	intron (N	AluSq2|SI	27991	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr15-477	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr15	47761880	47762799	+	0	NA	intron (N	intron (N	43850	NM_153619	80031	Hs.511265	NM_020858	ENSG00000	SEMA6D	-	semaphori	protein-coding
chr16-460	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr16	4608078	4608946	+	0	NA	TTS (NM_1	TTS (NM_1	6376	NM_145253	124402	Hs.513313	NM_145253	ENSG00000	UBALD1	FAM100A|F	UBA like	protein-coding
chr17-810	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr17	81031846	81033163	+	0	NA	non-codin	non-codin	2215	NR_026857	440465	Hs.448889	NM_001004	ENSG00000	BAIAP2-DT	BAIAP2-AS	BAIAP2 di	ncRNA
chr18-241	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr18	24142929	24144343	+	0	NA	intron (N	AluJo|SIN	4152	NM_138644	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding
chr3-4841	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr3	48413880	48416034	+	0	NA	exon (NM_	exon (NM_	14506	NM_002673	5364	Hs.476209	NM_002673	ENSG00000	PLXNB1	PLEXIN-B1	plexin B1	protein-coding
chr4-5561	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr4	5561866	5563348	+	0	NA	3' UTR (N	3' UTR (N	37451	NR_126517	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr8-5398	6.212245	0.868829	0.945429	0.918978	0.358107	0.981636	chr8	53981978	53982413	+	0	NA	intron (N	Tigger1|D	40253	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr7-1276	6.451294	-0.85719	0.932864	-0.91888	0.358157	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	40313	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-1230	6.451294	-0.85719	0.932864	-0.91888	0.358157	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSg|SIN	21053	NM_001363	93594	Hs.492716	NM_145647	ENSG00000	TBC1D31	Gm85|WDR6	TBC1 doma	protein-coding
chr9-2644	6.451294	-0.85719	0.932864	-0.91888	0.358157	0.981636	chr9	2644187	2644386	+	0	NA	intron (N	AluSq2|SI	-21913	NR_015375	401491	Hs.416043	NR_015375	ENSG00000	VLDLR-AS1	linc-VLDL	VLDLR ant	ncRNA
chr1-9225	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr1	92258692	92259351	+	0	NA	intron (N	intron (N	39966	NM_053274	11146	Hs.49105	NM_007070	ENSG00000	GLMN	FAP|FAP48	glomulin,	protein-coding
chr10-101	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr10	1019966	1020712	+	0	NA	TTS (NM_0	TTS (NM_0	-2298	NR_027708	55853	Hs.728538	NM_018470	ENSG00000	IDI2-AS1	C10orf110	IDI2 anti	ncRNA
chr11-947	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr11	9475709	9476590	+	0	NA	intron (N	MIR|SINE|	15137	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr12-651	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr12	6518866	6519284	+	0	NA	intron (N	AluYm1|SI	8853	NR_004387	692148		NR_004387	ENSG00000	SCARNA10	U85	small Caj	ncRNA
chr12-542	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr12	54272779	54274061	+	0	NA	intron (N	AluSx1|SI	6702	NM_012117	23468	Hs.349283	NM_012117	ENSG00000	CBX5	HEL25|HP1	chromobox	protein-coding
chr13-421	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr13	42169004	42169769	+	0	NA	intron (N	intron (N	31328	NM_001204	160851	Hs.630380	NM_152910	ENSG00000	DGKH	DGKeta	diacylgly	protein-coding
chr13-112	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	69486	NM_006322	10426	Hs.224152	NM_006322	ENSG00000	TUBGCP3	104p|ALP6	tubulin g	protein-coding
chr2-8747	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr2	87473063	87474657	+	0	NA	intron (N	intron (N	3910	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr2-1597	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-10682	NM_001282	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr2-2071	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	-8357	NR_036227	1E+08		NR_036227	ENSG00000	MIR2355	mir-2355	microRNA	ncRNA
chr2-2077	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluSq2|SI	4432	NM_001142	151195	Hs.471234	NM_152523	ENSG00000	CCNYL1	-	cyclin Y	protein-coding
chr4-1684	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	L1ME3|LIN	40747	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-1255	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	L1M5|LINE	45710	NR_109887	1.02E+08	Hs.407582	NR_109887	ENSG00000	LINC02240	-	long inte	ncRNA
chr9-5044	5.145943	-0.95243	1.036565	-0.91884	0.35818	0.981636	chr9	5044510	5046605	+	0	NA	intron (N	L1MB3|LIN	3864	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr5-7570	9.4176	-0.71615	0.779674	-0.91853	0.358343	0.981636	chr5	75702030	75702276	+	0	NA	intron (N	L1PA8|LIN	10302	NM_152408	134359	Hs.432726	NM_152408	ENSG00000	POC5	C5orf37	POC5 cent	protein-coding
chr1-1231	37.72929	0.389443	0.424081	0.918322	0.35845	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1657529	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-931	8.159396	-0.7626	0.830505	-0.91824	0.358495	0.981636	chr11	93177755	93179035	+	0	NA	intron (N	L1PA2|LIN	19031	NM_001286	120103	Hs.148766	NM_152313	ENSG00000	SLC36A4	PAT4	solute ca	protein-coding
chr17-137	5.120519	-0.96332	1.049195	-0.91816	0.358537	0.981636	chr17	1377492	1377890	+	0	NA	intron (N	intron (N	22531	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|F	tyrosine	protein-coding
chr1-2078	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	TTS (NR_0	TTS (NR_0	213	NR_029832	407026		NR_029832	ENSG00000	MIR29C	MIRN29C|m	microRNA	ncRNA
chr11-117	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	53275	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr16-699	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr16	69991447	69992254	+	0	NA	intron (N	AluSg4|SI	-38496	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr19-204	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr19	2044706	2047153	+	0	NA	intron (N	intron (N	5315	NM_199054	2872	Hs.515032	NM_017572	ENSG00000	MKNK2	GPRK7|MNK	MAPK inte	protein-coding
chr4-1529	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr4	1.53E+08	1.53E+08	+	0	NA	Intergeni	Intergeni	-17647	NM_001371116								
chr7-4467	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr7	44674367	44674887	+	0	NA	intron (N	intron (N	68000	NM_001003	4967	Hs.488181	NM_002541	ENSG00000	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr9-9445	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr9	94456423	94457254	+	0	NA	intron (N	intron (N	82269	NM_032558	84641	Hs.555996	NM_032558	ENSG00000	MFSD14B	HIATL1	major fac	protein-coding
chr9-9876	6.178963	0.865513	0.942775	0.918048	0.358594	0.981636	chr9	98767543	98768216	+	0	NA	intron (N	intron (N	28676	NM_173551	203286	Hs.406890	NM_173551	ENSG00000	ANKS6	ANKRD14|N	ankyrin r	protein-coding
chr22-363	11.59687	-0.63894	0.696112	-0.91787	0.358685	0.981636	chr22	36385661	36387142	+	0	NA	intron (N	intron (N	1666	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr1-1002	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	FLAM_C|SI	16708	NM_001918	1629	Hs.709187	NM_001918	ENSG00000	DBT	BCATE2|BC	dihydroli	protein-coding
chr19-218	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr19	21841494	21842467	+	0	NA	intron (N	BSR/Beta|	-5798	NM_003423	7594	Hs.534365	NM_003423	ENSG00000	ZNF43	HTF6|KOX2	zinc fing	protein-coding
chr21-260	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr21	26019537	26020005	+	0	NA	intron (N	intron (N	120619	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr3-4818	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr3	48183556	48186829	+	0	NA	intron (N	AluJr|SIN	3225	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr3-1309	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	51542	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr4-5545	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr4	55452381	55453570	+	0	NA	intron (N	intron (N	57018	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr4-1280	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz|SIN	-31480	NM_018078	55132	Hs.654971	NM_018078	ENSG00000	LARP1B	LARP2	La ribonu	protein-coding
chr5-1098	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-69973	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr6-2646	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr6	26469446	26469800	+	0	NA	TTS (NM_0	TTS (NM_0	11668	NM_007049	11120	Hs.159028	NM_007049	ENSG00000	BTN2A1	BK14H9.1|	butyrophi	protein-coding
chr6-1444	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L1MB7|LIN	42813	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr7-4740	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr7	47403842	47405346	+	0	NA	intron (N	intron (N	60209	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-7436	5.179224	-0.9441	1.028816	-0.91766	0.358796	0.981636	chr7	74368132	74369052	+	0	NA	intron (N	intron (N	79117	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly d	protein-coding
chr10-925	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr10	92504272	92504707	+	0	NA	intron (N	L1MC5|LIN	-6728	NM_001165	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr10-114	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	8494	NM_139169	142940	Hs.21187	NM_139169	ENSG00000	TRUB1	PUS4	TruB pseu	protein-coding
chr2-1066	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr2	10666438	10666648	+	0	NA	intron (N	AluSz|SIN	23432	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-9861	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr2	98610399	98611858	+	0	NA	intron (N	intron (N	2539	NM_001330	25972	Hs.13370	NM_014044	ENSG00000	UNC50	GMH1|HSD2	unc-50 in	protein-coding
chr2-1891	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	(TCTA)n|S	29975	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr21-371	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr21	37138534	37138802	+	0	NA	exon (NM_	exon (NM_	55258	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr4-1593	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	64115	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-1107	8.127964	-0.75663	0.824648	-0.91751	0.358873	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	non-codin	non-codin	23675	NM_001303	91137	Hs.75639	NM_138773	ENSG00000	SLC25A46	HMSN6B	solute ca	protein-coding
chr1-1557	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	FLAM_A|SI	23614	NM_033657	7818	Hs.516746	NM_004632	ENSG00000	DAP3	DAP-3|MRP	death ass	protein-coding
chr1-2064	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	-17214	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr11-103	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L1M1|LINE	182634	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr15-496	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr15	49613927	49615156	+	0	NA	intron (N	LOR1a|LTR	6277	NM_152647	196951	Hs.712959	NM_152647	ENSG00000	FAM227B	C15orf33	family wi	protein-coding
chr2-5370	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr2	53708881	53709692	+	0	NA	intron (N	MSTA-int|	-58497	NM_001346	494143	Hs.585944	NM_001008	ENSG00000	CHAC2	GCG1	ChaC cati	protein-coding
chr7-9889	8.444024	0.73955	0.806165	0.917369	0.35895	0.981636	chr7	98899996	98901588	+	0	NA	intron (N	L1ME1|LIN	19095	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr15-446	6.459152	-0.85897	0.936557	-0.91716	0.35906	0.981636	chr15	44654475	44655018	+	0	NA	intron (N	AluSq2|SI	8916	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr11-779	6.343591	-0.87563	0.954763	-0.91711	0.359084	0.981636	chr11	77940641	77940866	+	0	NA	intron (N	AluSz6|SI	53915	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr20-449	6.443436	-0.85534	0.932767	-0.91699	0.359149	0.981636	chr20	44995160	44995461	+	0	NA	intron (N	intron (N	28798	NR_147974	6789	Hs.472838	NM_006282	ENSG00000	STK4	KRS2|MST1	serine/th	protein-coding
chr7-7424	6.443436	-0.85534	0.932767	-0.91699	0.359149	0.981636	chr7	74243135	74243477	+	0	NA	intron (N	intron (N	11093	NM_181471	5982	Hs.647062	NM_002914	ENSG00000	RFC2	RFC40	replicati	protein-coding
chrX-2023	6.443436	-0.85534	0.932767	-0.91699	0.359149	0.981636	chrX	20233349	20233555	+	0	NA	intron (N	L1ME3G|LI	33457	NM_004586	6197	Hs.445387	NM_004586	ENSG00000	RPS6KA3	CLS|HU-3|	ribosomal	protein-coding

chr17-489	7.88873	0.771257	0.841093	0.916969	0.359159	0.981636	chr17	4890647	4891128	+	0	NA	intron (N	intron (N	-8649	NM_001145	1E+08	Hs.579243	NM_001145	ENSG0000C	C17orf107	-	chromosom	protein-coding
chr20-319	7.88873	0.771257	0.841093	0.916969	0.359159	0.981636	chr20	31945731	31946423	+	0	NA	intron (N	intron (N	5969	NM_030815	81572	Hs.435755	NM_030815	ENSG0000C	PDRG1	C20orf126	p53 and D	protein-coding
chr12-101	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	41477	NM_014503	27340	Hs.295732	NM_014503	ENSG0000C	UTP20	1A6/DRIM|	UTP20 sma	protein-coding
chr2-1759	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr2	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	65178	NM_030650	80856	Hs.209561	NM_030650	ENSG0000C	LNPK	KIAA1715|	lunapark,	protein-coding
chr20-370	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr20	37035042	37036082	+	0	NA	intron (N	intron (N	60435	NM_001323	5933	Hs.207745	NM_002895	ENSG0000C	RBL1	CP107|PRE	RB transc	protein-coding
chr3-1415	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	(AT)n|Sim	33680	NM_001303	5922	Hs.98445	NM_006506	ENSG0000C	RASA2	GAP1M	RAS p21 p	protein-coding
chr5-8072	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr5	80729208	80729765	+	0	NA	intron (N	intron (N	-74503	NM_000791	1719	Hs.592364	NM_000791	ENSG0000C	DHFR	DHFRP1|DY	dihydrofc	protein-coding
chr6-1754	3.948294	-1.08071	1.178632	-0.91692	0.359184	0.981636	chr6	17547802	17549461	+	0	NA	intron (N	L1ME3Cz|L	-37366	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr12-623	7.880873	0.773372	0.843632	0.916718	0.359291	0.981636	chr12	6233315	6233777	+	0	NA	intron (N	intron (N	33146	NM_001769	928	Hs.114286	NM_001769	ENSG0000C	CD9	BTCC-1|DF	CD9 molec	protein-coding
chr9-5982	10.68366	0.664315	0.72496	0.916346	0.359485	0.981636	chr9	5982467	5982756	+	0	NA	intron (N	MSTC|LTR|	-25215	NR_039811	1.01E+08		NR_039811	ENSG0000C	MIR4665	mir-4665	microRNA	ncRNA
chr5-4947	40.69938	0.394087	0.430122	0.916221	0.359551	0.981636	chr5	49479027	49479228	+	0	NA	Intergeni	ALR/Alpha	962161	NM_198449	133418	Hs.561411	NM_198449	ENSG0000C	EMB	GP70	embigin	protein-coding
chr16-430	9.845775	-0.68923	0.752367	-0.91608	0.359623	0.981636	chr16	4301766	4301980	+	0	NA	Intergeni	AluSc8|SI	-12888	NM_001318	84662	Hs.592087	NM_032575	ENSG0000C	GLIS2	NKL|NPHP7	GLIS fami	protein-coding
chr19-762	8.039423	0.789434	0.862024	0.915791	0.359776	0.981636	chr19	7622252	7622568	+	0	NA	exon (NM_	exon (NM_	4971	NR_106850	1.02E+08		NR_106850	ENSG0000C	MIR6792	hsa-mir-6	microRNA	ncRNA
chr3-1461	6.369015	-0.86681	0.946522	-0.91579	0.359777	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA8|LIN	-43057	NR_146297	1.1E+08		NR_146297	ENSG0000C	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr3-1728	6.369015	-0.86681	0.946522	-0.91579	0.359777	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	54656	NM_001349	1894	Hs.518299	NM_018098	ENSG0000C	ECT2	ARHGEF31	epithelia	protein-coding
chr15-988	6.163247	0.870983	0.951134	0.915731	0.359808	0.981636	chr15	98834324	98834540	+	0	NA	intron (N	intron (N	50006	NR_039864	1.01E+08		NR_039864	ENSG0000C	MIR4714	-	microRNA	ncRNA
chr17-630	6.163247	0.870983	0.951134	0.915731	0.359808	0.981636	chr17	63086494	63086785	+	0	NA	intron (N	L1MCa|LIN	120404	NM_025185	26115	Hs.410889	NM_015623	ENSG0000C	TANC2	ROLSA|rol	tetratric	protein-coding
chr22-216	6.163247	0.870983	0.951134	0.915731	0.359808	0.981636	chr22	21691658	21691866	+	0	NA	intron (N	intron (N	25750	NM_148175	23759	Hs.438587	NM_014337	ENSG0000C	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr1-1715	10.69938	0.661195	0.722154	0.915587	0.359884	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	47006	NM_015172	23215	Hs.494614	NM_015172	ENSG0000C	PRRC2C	BAT2-iso|	proline r	protein-coding
chr19-121	10.69938	0.661195	0.722154	0.915587	0.359884	0.981636	chr19	12179842	12193133	+	0	NA	intron (N	intron (N	-8528	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr1-2332	8.094683	-0.76172	0.831958	-0.91557	0.359892	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	L2b|LINE|	43598	NM_001328	80003	Hs.370605	NM_014801	ENSG0000C	PCNX2	PCNXL2	pecanex 2	protein-coding
chr16-215	8.094683	-0.76172	0.831958	-0.91557	0.359892	0.981636	chr16	2152522	2154467	+	0	NA	3’ UTR (N	3’ UTR (N	1611	NR_002736	26788		NR_002736	ENSG0000C	SNORD60	RNU60|U60	small nuc	snoRNA
chr17-146	8.094683	-0.76172	0.831958	-0.91557	0.359892	0.981636	chr17	1461950	1462219	+	0	NA	Intergeni	AluSx4|SI	-5852	NM_005206	1398	Hs.461896	NM_005206	ENSG0000C	CRK	CRKII|p38	CRK protc	protein-coding
chr3-5324	8.094683	-0.76172	0.831958	-0.91557	0.359892	0.981636	chr3	53244093	53244292	+	0	NA	intron (N	intron (N	11830	NM_001064	7086	Hs.89643	NM_001064	ENSG0000C	TKT	HEL-S-48|	transketc	protein-coding
chr3-1505	8.094683	-0.76172	0.831958	-0.91557	0.359892	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	-27159	NM_016275	51714	Hs.369052	NM_016275	ENSG0000C	SELENOT	SELT	selenoprc	protein-coding
chr1-1457	10.17736	0.683668	0.746897	0.915344	0.360011	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	SVA_D|Ret	48279	NR_103845	11126	Hs.488237	NM_007053	ENSG0000C	CD160	BY55|NK1|	CD160 mol	protein-coding
chr2-1908	8.069259	-0.76847	0.839695	-0.91518	0.360097	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	9758	NM_014905	2744	Hs.116448	NM_014905	ENSG0000C	GLS	AAD20|CAS	glutamina	protein-coding
chrX-1033	8.069259	-0.76847	0.839695	-0.91518	0.360097	0.981636	chrX	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	1338	NM_001006	51186	Hs.533287	NM_016303	ENSG0000C	TCEAL9	WBP5|WEX6	transcrip	protein-coding
chr5-1057	3.889589	-1.10683	1.209545	-0.91508	0.360149	0.981636	chr5	10573999	10574509	+	0	NA	intron (N	intron (N	10184	NM_001164	651746	Hs.26039	NM_001164	ENSG0000C	ANKRD33B	-	ankyrin r	protein-coding
chr22-232	8.013999	0.784418	0.857254	0.915035	0.360173	0.981636	chr22	23261397	23262176	+	0	NA	promoter-	promoter-	-981	NR_033408	26226	Hs.729589	NR_033408	ENSG0000C	FBXW4P1	FBW3|FBXW	F-box anc	pseudo
chr1-2688	10.28692	0.697832	0.762711	0.914937	0.360225	0.981636	chr1	26888041	26888405	+	0	NA	intron (N	intron (N	2060	NM_018066	54707	Hs.14333	NM_018066	ENSG0000C	GPN2	ATPBD1B	GPN-loop	protein-coding
chr10-731	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr10	73174726	73182877	+	0	NA	intron (N	intron (N	10682	NM_173348	317662	Hs.408577	NM_173348	ENSG0000C	FAM149B1	KIAA0974	family wi	protein-coding
chr12-507	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr12	50704568	50704982	+	0	NA	intron (N	AluSx|SIN	-59326	NM_005171	466	Hs.648565	NM_005171	ENSG0000C	ATF1	EWS-ATF1|	activatir	protein-coding
chr13-113	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	1164	NR_107042	1.02E+08		NR_107042	ENSG0000C	MIR8075	hsa-mir-8	microRNA	ncRNA
chr16-270	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr16	2707447	2708801	+	0	NA	3’ UTR (N	3’ UTR (N	12100	NM_001318	83886	Hs.332878	NM_031948	ENSG0000C	PRSS27	CAPH2|MPN	serine pr	protein-coding
chr22-207	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr22	20763583	20765397	+	0	NA	intron (N	intron (N	-9623	NM_000185	3053	Hs.474270	NM_000185	ENSG0000C	SERPIND1	D22S673|H	serpin fa	protein-coding
chr5-7355	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr5	73559086	73562778	+	0	NA	intron (N	L1MA7|LIN	4707	NM_023039	57763	Hs.239154	NM_023039	ENSG0000C	ANKRA2	ANKRA	ankyrin r	protein-coding
chr6-1089	8.451882	0.737582	0.806312	0.91476	0.360318	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	16278	NM_001199	27244	Hs.591336	NM_014454	ENSG0000C	SESN1	PA26|SEST	sestrin 1	protein-coding
chr8-7305	8.436166	0.741541	0.810752	0.914634	0.360384	0.981636	chr8	73055672	73055910	+	0	NA	Intergeni	L1PA6|LIN	37381	NM_153225	157869	Hs.439040	NM_153225	ENSG0000C	SBSPON	C8orf84|R	somatomec	protein-coding
chr9-6825	11.55573	-0.64133	0.701303	-0.91449	0.360459	0.981636	chr9	68259448	68259728	+	0	NA	intron (N	AluSz|SIN	17643	NM_201453	445571	Hs.645337	NM_201453	ENSG0000C	CBWD3	bA561023.	COBW doma	protein-coding
chr1-1490	12.92931	0.607376	0.664413	0.914155	0.360636	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	25476	NM_001277	400818	Hs.445080	NM_001037	ENSG0000C	NBPF9	AE01	NBPF memb	protein-coding
chr18-293	9.284473	-0.73422	0.803446	-0.91384	0.360801	0.981636	chr18	2936563	2936796	+	0	NA	intron (N	AluJb|SIN	9944	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr12-768	9.812493	-0.6934	0.759456	-0.91302	0.36123	0.981636	chr12	76856528	76857576	+	0	NA	Intergeni	MLT1G3|LT	21967	NM_001321	1466	Hs.530904	NM_001321	ENSG0000C	CSRP2	CRP2|LMO5	cysteine	protein-coding
chr15-648	7.92987	0.7718	0.845508	0.912823	0.361335	0.981636	chr15	64863407	64863633	+	0	NA	intron (N	(TG)n|Sim	21605	NM_025201	80301	Hs.709337	NM_025201	ENSG0000C	PLEKHO2	PLEKHQ1|P	pleckstri	protein-coding
chr15-656	7.92987	0.7718	0.845508	0.912823	0.361335	0.981636	chr15	65667535	65668222	+	0	NA	intron (N	intron (N	24999	NM_001254	9187	Hs.173092	NM_004727	ENSG0000C	SLC24A1	CSNB1D|Hs	solute ca	protein-coding
chr10-500	9.894772	-0.68761	0.753496	-0.91256	0.361473	0.981636	chr10	50095447	50095676	+	0	NA	intron (N	intron (N	27607	NM_001005	387680	Hs.365286	NM_018232	ENSG0000C	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-103	10.6661	0.659013	0.722264	0.912426	0.361544	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	17915	NM_014976	22984	Hs.239499	NM_014976	ENSG0000C	PDCD11	ALG-4|ALG	programme	protein-coding
chr19-123	10.6661	0.659013	0.722264	0.912426	0.361544	0.981636	chr19	12349425	12354224	+	0	NA	intron (N	intron (N	13859	NM_030824	79973	Hs.253193	NM_030824	ENSG0000C	ZNF442	-	zinc fing	protein-coding
chr16-700	8.169104	-0.75304	0.825389	-0.91234	0.36159	0.981636	chr16	70028698	70029000	+	0	NA	intron (N	AluSx|SIN	-1497	NR_036265	1E+08		NR_036265	ENSG0000C	MIR1972-2	-	microRNA	ncRNA
chr3-1421	8.169104	-0.75304	0.825389	-0.91234	0.36159	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	26885	NM_001039	256356	Hs.135904	NM_152776	ENSG0000C	GK5	-	glycerol	protein-coding
chr5-9575	9.879056	-0.68512	0.751131	-0.91212	0.361706	0.981636	chr5	95755614	95756539	+	0	NA	intron (N	L1MB3|LIN	-23974	NM_001349	83890	Hs.50499	NM_031952	ENSG0000C	SPATA9	NYD-SP16	spermatog	protein-coding
chr5-1413	9.879056	-0.68512	0.751131	-0.91212	0.361706	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_C	TTS (NM_C	3284	NM_005642	6879	Hs.438838	NM_005642	ENSG0000C	TAF7	TAF2F|TAF	TATA-box	protein-coding
chr19-217	6.435578	-0.85338	0.93627	-0.91147	0.362049	0.981636	chr19	21758570	21759304	+	0	NA	intron (N	intron (N	8192	NR_024523	641367	Hs.680128	NR_024523	ENSG0000C	LOC641367	-	cyclin Y	pseudo
chr16-375	7.896588	0.769053	0.843887	0.911323	0.362125	0.981636	chr16	375861	376231	+	0	NA	intron (N	CpG	-5508	NM_006428	10573	Hs.513230	NM_006428	ENSG0000C	MRPL28	MAAT1|p15	mitochonc	protein-coding
chr9-1312	7.896588	0.769053	0.843887	0.911323	0.362125	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	42725	NM_033387	286336	Hs.143878	NM_033387	ENSG0000C	FAM78A	C9orf59	family wi	protein-coding
chrX-4067	7.896588	0.769053	0.843887	0.911323	0.362125	0.981636	chrX	40674692	40675281	+	0	NA	intron (N	intron (N	-27425	NM_001330	159013	Hs.495961	NM_144970	ENSG0000C	CXorf38	-	chromosom	protein-coding
chr2-2186	7.988575	0.77943	0.855403	0.911184	0.362198	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	7607	NM_001369	27148	Hs.471404	NM_015690	ENSG0000C	STK36	FU	serine/th	protein-coding
chr7-1085	7.988575	0.77943	0.855403	0.911184	0.362198	0.981636	chr7	1.09E+08	1.09E+08	+	0	NA	intron (N	MLT1A0|LT	13071	NM_001256	50640	Hs.617340	NM_015723	ENSG0000C	PNPLA8	IPLA2-2|I	patatin l	protein-coding
chr2-1612	8.167254	-0.76413	0.838675	-0.91111	0.362235	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	exon (NM_	exon (NM_	-13264	NR_110163	1.01E+08	Hs.660929	NR_110163	ENSG0000C	LINC01806	-	long inte	ncRNA
chr16-685	8.176962	-0.75449	0.828134	-0.91108	0.362255	0.981636	chr16	685360	685736	+	0	NA	exon (NM_	exon (NM_	-1214	NM_001323	339123	Hs.533771	NM_001005	ENSG0000C	JMJD8	C16orf20|	jumonji c	protein-coding
chr19-626	8.176962	-0.75449	0.828134	-0.91108	0.362255	0.981636	chr19	6266908	6267156	+	0	NA	intron (N	FLAM_A|SI	12943	NM_005934	4298	Hs.10095	NM_005934	ENSG0000C	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr20-586	8.176962	-0.75449	0.828134	-0.91108	0.362255	0.981636	chr20	58668872	58669289	+	0	NA	intron (N	intron (N	17797	NM_001134	8675	Hs.307913	NM_003763	ENSG0000C	STX16	SYN16	syntaxin	protein-coding
chr2-9588	6.75968	0.823074	0.903463	0.911021	0.362285	0.981636	chr2	95885756	95886294	+	0	NA	intron (N	intron (N	-59044	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr4-5696	8.161246	-0.75155	0.825229	-0.91071	0.362447	0.981636	chr4	56964316	56964754	+	0	NA	intron (N	intron (N	13071	NM_032313	84273	Hs.8715	NM_032313	ENSG0000C	NOA1	C4orf14|M	nitric ox	protein-coding
chr1-7792	7.873015	0.775459	0.851745	0.910436	0.362593	0.981636	chr1	77926130	77926329	+	0	NA	intron (N	intron (N	-36690	NR_103535	374987	Hs.632414	NM_199343	ENSG0000C	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr19-254	63.17859	0.325875	0.358041	0.910161	0.362737	0.981636	chr19	25439330	25439541	+	0	NA	Intergeni	ALR/Alpha	-1275988	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000C	HAVCR1P1	-	hepatitis	pseudo
chr1-5508	8.120106	-0.75509	0.829715	-0.91006	0.362789	0.981636	chr1	55082620	55083067	+	0	NA	intron (N	intron (N	42621	NR_110451	255738	Hs.18844	NM_174936	ENSG0000C	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr14-305	8.120106	-0.75509	0.829715	-0.91006	0.362789	0.981636	chr14	30599128	30599932	+	0	NA	intron (N	MLT1B|LTR	-22173	NR_151720	1.05E+08	Hs.603980	NR_151720	ENSG0000C	G2E3-AS1	CAT1647	G2E3 anti	ncRNA
chr3-3382	8.120106	-0.75509	0.829715	-0.91006	0.362789	0.981636	chr3	33827523	33827722	+	0	NA	TTS (NM_C	TTS (NM_C	28992	NM_013374	10015	Hs.475896	NM_013374	ENSG0000C	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-1680	8.120106	-0.75509	0.829715	-0.91006	0.362789	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	L1PA2|LIN	78964	NM_014498	27333	Hs.143600	NM_014498	ENSG0000C	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr6-1825	8.120106	-0.75509	0.829715	-0.91006	0.362789	0.981636	chr6	18255395	18257920	+	0	NA	intron (N	intron (N	7873	NM_001134	7913	Hs.484813	NM_003472	ENSG0000C	DEK	D6S231E	DEK protc	protein-coding
chr1-1511	10.67395	0.657463	0.722464	0.910028	0.362808	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	L2c|LINE|	-6394	NM_013353	29765	Hs.709681	NM_013353	ENSG0000C	TMOD4	SK-TMOD	tropomodu	protein-coding
chr2-1331	10.67395	0.657463	0.722464	0.910028	0.362808	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-111131	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000C	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr10-679	9.837917	-0.68796	0.75618	-0.90979	0.362933	0.981636	chr10	67922108	67923377	+	0	NA	3’ UTR (N	3’ UTR (N	31340	NM_001314	23411	Hs.369779	NM_012238	ENSG0000C	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-722	9.837917	-0.68796	0.75618	-0.90979	0.362933	0.981636	chr10	72274224	72275707	+	0	NA	exon (NM_	exon (NM_	1041	NM_019058	54541	Hs.744875	NM_019058	ENSG0000C	DDIT4	Dig2|REDD	DNA damag	protein-coding
chr10-740	9.837917	-0.68796	0.75618	-0.90979	0.362933	0.981636	chr10	74043245	74046839	+	0	NA	intron (N	AluJb|SIN	46926	NM_003373	7414	Hs.643896	NM_003373	ENSG0000C	VCL	CMD1W|CMH	vinculin	protein-coding
chr6-8562	9.837917	-0.68796	0.75618	-0.90979	0.362933	0.981636	chr6	85621321	85623998	+	0	NA	exon (NM_	exon (NM_	18792	NM_001159	10492	Hs.571177	NM_006372	ENSG0000C	SYNCRIP	GRY-RBP|G	synaptota	protein-coding
chr5-1711	6.318167	-0.88488	0.972739	-0.90968	0.36299	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-125247	NM_021025	30012	Hs.249125	NM_021025	ENSG0000C	TLX3	HOX11L2|R	T cell le	protein-coding
chr17-482	4.477054	1.032562	1.135089	0.909675	0.362994	0.981636	chr17	4822916	4823710	+	0	NA	3’ UTR (N	3’ UTR (N	-10027	NM_153827	50488	Hs.443417	NM_015716	ENSG0000C	MINK1	B55|MAP4K	misshaper	protein-coding
chr11-776	8.4186	0.734937	0.808229	0.909318	0.363183	0.981636	chr11	77688648	77689151	+	0	NA	intron (N	intron (N	-51093	NM_001311	1207	Hs.430733	NM_001293	ENSG0000C	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr12-116	8.4186	0.734937	0.808229	0.909318	0.363183	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	35080	NM_012174	26259	Hs.624537	NM_012174	ENSG0000C	FBXW8	FBW6|FBW8	F-box anc	protein-coding
chr18-810	8.4186	0.734937	0.808229	0.909318	0.363183	0.981636	chr18	8102784	8103188	+	0	NA	intron (N	Tigger1|D	264048	NR_024419	1E+08	Hs.666655	NR_024419	ENSG0000C	LOC100192	-	uncharact	ncRNA
chr6-1329	8.4186	0.734937	0.808229	0.909318	0.363183	0.981636	chr6	1329703	1330629	+	0	NA	Intergeni	LTR17|LTR	18068	NM_033260	94234	Hs.591352	NM_033260	ENSG0000C	FOXQ1	HFH1	forkhead	protein-coding
chr19-524	10.70723	0.659641	0.725565	0.909141	0.363276	0.981636	chr19	52401711	52415102	+	0	NA	intron (N	AluSx1|SI	10557	NM_032423	84436	Hs.662043	NM_032423	ENSG0000C	ZNF528	-	zinc fing	protein-coding
chr9-2722	11.58115	-0.63674	0.700485	-0.909	0.363349	0.981636	chr9	27227541	27232114	+	0	NA	3’ UTR (N	3’ UTR (N	52966	NR_026679	158035	Hs.201554	NR_026679	ENSG0000C	LINC00032	C9orf14|N	long inte	ncRNA
chr11-765	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr11	76536902	76538058	+	0	NA	intron (N	intron (N	92455	NM_020193	56946	Hs.352588	NM_020193	ENSG0000C	EMSY	C11orf30|	EMSY trar	protein-coding
chr18-260	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr18	26050219	26051491	+	0	NA	intron (N	AluYa5|SI	39758	NM_001007	6760	Hs.129261	NM_005637	ENSG0000C	SS18	SSXT|SYT	SS18 subu	protein-coding
chr2-1827	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	39047	NR_073367	54431	Hs.516632	NM_018981	ENSG0000C	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr3-1132	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr3	11324100	11325912	+	0	NA	intron (N	Tigger3a|	52609	NM_001144	10533	Hs.38032	NM_006395	ENSG0000C	ATG7	APG7-LIKE	autophagy	protein-coding
chr4-4205	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr4	42050457	42051372	+	0	NA	intron (N	L1ME2z|LI	60384	NM_006345	10463	Hs.479634	NM_006345	ENSG0000C	SLC30A9	BILAPES|C	solute ca	protein-coding
chr6-2839	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr6	28395892	28396808	+	0	NA	intron (N	L2a|LINE|	2416	NM_001368	9753	Hs.134816	NM_014724	ENSG0000C	ZSCAN12	ZFP96|ZNF	zinc fing	protein-coding
chr6-8554	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr6	85540622	85541239	+	0	NA	intron (N	A-rich|Lo	52928	NM_153816	57231	Hs.485871	NM_020468	ENSG0000C	SNX14	RGS-PX2|S	sorting n	protein-coding
chr6-1332	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	L2c|LINE|	36236	NM_001301	2070	Hs.596680	NM_004100	ENSG0000C	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr7-7655	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr7	76558254	76558658	+	0	NA	intron (N	Tigger1|D	9115	NR_029411	1E+08	Hs.712837	NR_029411	ENSG0000C	LOC100133	-	uncharact	ncRNA
chr7-1491	5.171366	-0.94175	1.036121	-0.90892	0.363395	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-20173	NM_001303	8427	Hs.729056	NM_003575	ENSG0000C	ZNF282	HUB1	zinc fing	protein-coding
chr14-899	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr14	89990951	89992613	+	0	NA	intron (N	intron (N	35855	NM_018319	55775	Hs.209945	NM_018319	ENSG0000C	TDP1	-	tyrosyl-D	protein-coding
chr15-592	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr15	59220032	59221263	+	0	NA	intron (N	L1ME4b|LI	13804	NM_033195	92483	Hs.307052	NM_033195	ENSG0000C	LDHAL6B	LDH6B|LDH	lactate d	protein-coding
chr2-1680	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr2	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-134611	NR_131227	1.06E+08	Hs.512811	NR_131227		LOC105616	-	uncharact	ncRNA
chr3-1380	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	51347	NM_001170	199221	Hs.351403	NM_173543	ENSG0000C	DZIP1L	DZIP2|PKD	DAZ inter	protein-coding
chr4-2664	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr4	26643242	26644515	+	0	NA	intron (N	L1PA6|LIN	59794	NM_018317	55296	Hs.479403	NM_018317	ENSG0000C	TBC1D19	-	TBC1 doma	protein-coding
chr5-9072	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr5	907287	908820	+	0	NA	exon (NM_	exon (NM_	15169	NM_001166	9319	Hs.436187	NM_004237	ENSG0000C	TRIP13	16E1BP|MV	thyroid h	protein-coding
chr6-1529	3.940436	-1.07773	1.185845	-0.90883	0.363441	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-2945	NM_001142	26271	Hs.520506	NM_012177	ENSG0000C	FBXO5	EMI1|FBX5	F-box prc	protein-coding
chr19-500	6.734257	0.817358	0.899737	0.908441	0.363645	0.981636	chr19	50033573	50034127	+	0	NA	intron (N	MLT1D|LTR	7845	NM_001006	25888	Hs.440553	NM_015428	ENSG0000C	ZNF473	ZFP100|ZN	zinc fing	protein-coding
chr6-1075	6.734257	0.817358	0.899737	0.908441	0.363645	0.981636	chr6	10751190	10752301	+	0	NA	intron (N	intron (N	3940	NM_030969	81853	Hs.95600	NM_030969	ENSG0000C	TMEM14B	-	transmemb	protein-coding
chr6-2832	6.734257	0.817358	0.899737	0.908441	0.363645	0.981636	chr6	28325902	28327224	+	0	NA	exon (NM_	exon (NM_	9571	NM_001135	64288	Hs.656413	NM_030899	ENSG0000C	ZSCAN31	ZNF20-Lp|	zinc fing	protein-coding
chr6-7360	6.734257	0.817358	0.899737	0.908441	0.363645	0.981636	chr6	73603406	73604467	+	0	NA	intron (N	(A)n|Simp	50056	NM_012434	26503	Hs.597422	NM_012434	ENSG0000C	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr7-1589	6.734257	0.817358	0.899737	0.908441	0.363645	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	65563	NM_001350	55112	Hs.389945	NM_018051	ENSG0000C	WDR60	FAP163|SR	WD repeat	protein-coding
chr10-631	9.871198	-0.68385	0.752923	-0.90826	0.363742	0.981636	chr10	63193621	63194004	+	0	NA	intron (N	AluY|SINE	60484	NM_030759	29982	Hs.449628	NM_030759	ENSG0000C	NRBF2	COPR|COPR	nuclear r	protein-coding
chr9-1073	9.871198	-0.68385	0.752923	-0.90826	0.363742	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	TTS (NM_C	TTS (NM_C	47865	NM_001244	5887	Hs.521640	NM_002874	ENSG0000C	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chr1-3310	6.726399	0.819883	0.903118	0.907836	0.363965	0.981636	chr1	33103276	33103841	+	0	NA	intron (N	L2a|LINE|	21380	NM_001301	113451	Hs.101807	NM_052998	ENSG0000C	AZIN2	ADC|AZI2|	antizyme	protein-coding
chr1-1679	6.726399	0.819883	0.903118	0.907836	0.363965	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-27637	NR_031702	1E+08		NR_031702	ENSG0000C	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr11-119	6.726399	0.819883	0.903118	0.907836	0.363965	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	4745	NM_014807	9854	Hs.26899	NM_014807	ENSG0000C	C2CD2L	DLNB23|TM	C2CD2 lik	protein-coding
chr15-979	6.726399	0.819883	0.903118	0.907836	0.363965	0.981636	chr15	97962183	97963474	+	0	NA	intron (N	intron (N	2125	NM_183376	91947	Hs.6093	NM_183376	ENSG0000C	ARRDC4	-	arrestin	protein-coding
chr7-7699	6.726399	0.819883	0.903118	0.907836	0.363965	0.981636	chr7	76994219	76994566	+	0	NA	intron (N	intron (N	13570	NR_023383	441263	Hs.675888	NR_023383	ENSG0000C	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr1-1479	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	L1MA7|LIN	26391	NM_016334	51463	Hs.504320	NM_016334	ENSG0000C	GPR89B	GPHR|GPR8	G protein	protein-coding
chr10-471	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr10	47150384	47151236	+	0	NA	Intergeni	Intergeni	-149387	NM_004962	2662	Hs.2171	NM_004962	ENSG0000C	GDF10	BIP|BMP-3	growth di	protein-coding
chr12-121	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-50237	NM_020993	605	Hs.530970	NM_020993	ENSG0000C	BCL7A	BCL7	BAF chrom	protein-coding
chr15-204	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr15	20445208	20445778	+	0	NA	intron (N	intron (N	-5006	NR_036443	440248	Hs.531509	NM_199045	ENSG0000C	HERC2P9	-	hect doma	pseudo
chr15-328	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr15	32837453	32837673	+	0	NA	intron (N	L2|LINE|L	-118698	NR_109767	1E+08	Hs.610545	NR_109767	ENSG0000C	LOC100131	-	uncharact	ncRNA
chr19-107	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr19	10791475	10792080	+	0	NA	intron (N	intron (N	11523	NR_039903	1.01E+08		NR_039903	ENSG0000C	MIR4748	mir-4748	microRNA	ncRNA
chr19-371	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr19	37145965	37147100	+	0	NA	TTS (NM_1	TTS (NM_1	25904	NM_199126	199704	Hs.659236	NM_152655	ENSG0000C	ZNF585A	-	zinc fing	protein-coding
chr2-2062	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr2	20621637	20621840	+	0	NA	intron (N	intron (N	-29190	NR_046836	1.01E+08	Hs.591546	NR_046836	ENSG0000C	HS1BP3-IT	-	HS1BP3 ir	ncRNA
chr22-430	6.186821	0.862599	0.951181	0.906871	0.364475	0.981636	chr22	43061194	43062720	+	0	NA	intron (N	L2b|LINE|	23372	NR_125362	1.01E+08	Hs.706553	NR_125362	ENSG0000C	LOC100506	-	uncharact	ncRNA

chr7-7697	7.691931	-0.79236	0.873754	-0.90684	0.364489	0.981636	chr7	76972579	76972819	+	0	NA	Intergeni	Intergeni	-8123	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr1-4395	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr1	43956343	43957113	+	0	NA	intron (N	intron (N	9778	NM_014652	9670	Hs.158497	NM_014652	ENSG00000	IPO13	IMP13|KAP	importin	protein-coding
chr11-944	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr11	94497129	94498438	+	0	NA	intron (N	intron (N	3799	NM_017704	54851	Hs.29052	NM_017704	ENSG00000	ANKRD49	FGIF|GBIF	ankyrin r	protein-coding
chr14-507	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr14	50728891	50729768	+	0	NA	intron (N	FAM|SINE|	-61023	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr22-353	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr22	35323426	35328162	+	0	NA	intron (N	intron (N	-9846	NR_037471	1.01E+08		NR_037471	ENSG00000	MIR3909	mir-3909	microRNA	ncRNA
chr3-5248	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr3	52489385	52490078	+	0	NA	intron (N	intron (N	-5607	NM_015136	23166	Hs.301989	NM_015136	ENSG00000	STAB1	CLEVER-1|	stabilin	protein-coding
chr5-4763	8.45974	0.735585	0.811201	0.906785	0.36452	0.981636	chr5	47631951	47633692	+	0	NA	Intergeni	ALR/Alpha	-1936441	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-4345	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr1	43450883	43451211	+	0	NA	TTS (NM_0	TTS (NM_0	-2403	NR_046744	1.01E+08	Hs.619768	NR_046744	ENSG00000	SZT2-AS1	-	SZT2 anti	ncRNA
chr10-742	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr10	74242943	74243319	+	0	NA	intron (N	LTR28B|LT	66368	NM_001369	132	Hs.656586	NM_001123	ENSG00000	ADK	AK	adenosine	protein-coding
chr11-459	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr11	45947482	45949078	+	0	NA	intron (N	intron (N	25624	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr12-560	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr12	56034404	56035335	+	0	NA	exon (NM_	exon (NM_	-7049	NM_001029	6231	Hs.447562	NM_001029	ENSG00000	RPS26	DBA10|S26	ribosomal	protein-coding
chr19-126	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr19	12605014	12605548	+	0	NA	intron (N	AluJr|SIN	5532	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr20-345	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr20	34500228	34501614	+	0	NA	intron (N	L1M2|LINE	-15463	NM_001319	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr22-312	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr22	31258646	31261133	+	0	NA	exon (NM_	exon (NM_	11505	NM_016733	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr8-7373	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr8	73737080	73737596	+	0	NA	intron (N	AluSp|SIN	9502	NM_001164	27067	Hs.561815	NM_014393	ENSG00000	STAU2	39K2|39K3	staufen d	protein-coding
chr9-9992	8.426458	0.73296	0.808376	0.906706	0.364562	0.981636	chr9	99922547	99922917	+	0	NA	intron (N	intron (N	16078	NM_017919	55014	Hs.704031	NM_017919	ENSG00000	STX17	-	syntaxin	protein-coding
chr8-1034	6.394438	-0.85808	0.946559	-0.90652	0.36466	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	6864	NM_015420	25879	Hs.532265	NM_015420	ENSG00000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr13-113	8.153388	-0.75001	0.827654	-0.90618	0.364838	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	5214	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr19-395	8.153388	-0.75001	0.827654	-0.90618	0.364838	0.981636	chr19	3955850	3956436	+	0	NA	Intergeni	Intergeni	5369	NR_030367	693222		NR_030367	ENSG00000	MIR637	MIRN637|h	microRNA	ncRNA
chr4-8026	8.153388	-0.75001	0.827654	-0.90618	0.364838	0.981636	chr4	80268090	80268929	+	0	NA	5' UTR (N	5' UTR (N	244	NM_001291	2250	Hs.37055	NM_004464	ENSG00000	FGF5	HBGF-5|Sm	fibroblas	protein-coding
chr3-1865	7.61751	-0.80201	0.885298	-0.90592	0.364978	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	AluSx|SIN	-6059	NM_017541	1427	Hs.376209	NM_017541	ENSG00000	CRYGS	CRYG8|CTR	crystalli	protein-coding
chr7-1549	7.61751	-0.80201	0.885298	-0.90592	0.364978	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	TTS (NR_0	TTS (NR_0	21226	NR_024476	1E+08	Hs.586358	NR_024476	ENSG00000	PAXIP1-AS	PAXIP1OS	PAXIP1 ar	ncRNA
chr4-5696	3.907155	-1.08917	1.202454	-0.90579	0.365048	0.981636	chr4	56960533	56961112	+	0	NA	Intergeni	AluSc|SIN	16784	NM_032313	84273	Hs.8715	NM_032313	ENSG00000	NOA1	C4orf14|M	nitric ox	protein-coding
chr6-1472	3.907155	-1.08917	1.202454	-0.90579	0.365048	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1MC1|LIN	-15357	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr14-351	5.138085	-0.95016	1.049345	-0.90548	0.365212	0.981636	chr14	35169140	35169572	+	0	NA	intron (N	L1MEf|LIN	46804	NM_001256	9692	Hs.458487	NM_014672	ENSG00000	PRORP	KIAA0391|	protein c	protein-coding
chr2-2405	5.138085	-0.95016	1.049345	-0.90548	0.365212	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	LOR1-int|	13513	NM_016552	51281	Hs.656615	NM_016552	ENSG00000	ANKMY1	ZMYND13	ankyrin r	protein-coding
chr5-6958	5.138085	-0.95016	1.049345	-0.90548	0.365212	0.981636	chr5	69589953	69591203	+	0	NA	intron (N	intron (N	30333	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr11-134	8.086825	-0.76023	0.839853	-0.90519	0.365365	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	AluJb|SIN	33838	NM_015261	23310	Hs.438550	NM_015261	ENSG00000	NCAPD3	CAP-D3|CA	non-SMC c	protein-coding
chr2-1916	8.086825	-0.76023	0.839853	-0.90519	0.365365	0.981636	chr2	1.92E+08	1.92E+08	+	0	NA	non-codin	non-codin	-1682	NR_131917	1.06E+08	Hs.104972	NR_131917		LOC105747	-	uncharact	ncRNA
chr16-534	5.095095	-0.97512	1.077295	-0.90515	0.365384	0.981636	chr16	53443915	53444274	+	0	NA	intron (N	AluSq2|SI	8475	NM_001323	5934	Hs.513609	NM_005611	ENSG00000	RBL2	P130|Rb2	RB transc	protein-coding
chr5-1313	5.095095	-0.97512	1.077295	-0.90515	0.365384	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	3' UTR (N	3' UTR (N	129607	NM_001038	56990	Hs.508829	NM_020240	ENSG00000	CDC42SE2	SPEC2	CDC42 sma	protein-coding
chr12-132	4.999066	0.94409	1.043056	0.905119	0.365403	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3' UTR (N	3' UTR (N	34210	NM_183238	1E+08	Hs.29698	NM_183238	ENSG00000	ZNF605	-	zinc fing	protein-coding
chr17-504	4.999066	0.94409	1.043056	0.905119	0.365403	0.981636	chr17	50461462	50463407	+	0	NA	exon (NM_	exon (NM_	-5895	NR_110232	80221	Hs.288959	NM_025149	ENSG00000	ACSF2	ACSMW|AVY	acyl-CoA	protein-coding
chr7-1126	4.999066	0.94409	1.043056	0.905119	0.365403	0.981636	chr7	1126382	1127009	+	0	NA	intron (N	AluSz|SIN	11552	NM_001318	84310	Hs.653258	NM_032350	ENSG00000	C7orf50	YCR016W	chromosom	protein-coding
chr10-457	6.887327	-0.80903	0.893875	-0.90508	0.365422	0.981636	chr10	45761483	45762034	+	0	NA	intron (N	intron (N	34492	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr4-2531	6.887327	-0.80903	0.893875	-0.90508	0.365422	0.981636	chr4	25315291	25316108	+	0	NA	intron (N	L1MB4|LIN	2925	NM_001318	29063	Hs.278945	NM_024936	ENSG00000	ZCCHC4	HSPC052|Z	zinc fing	protein-coding
chr9-9502	6.887327	-0.80903	0.893875	-0.90508	0.365422	0.981636	chr9	95026616	95027093	+	0	NA	intron (N	intron (N	-38496	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chrX-7015	6.887327	-0.80903	0.893875	-0.90508	0.365422	0.981636	chrX	70151876	70152869	+	0	NA	intron (N	L1MEf|LIN	18437	NM_001370	3476	Hs.496267	NM_001551	ENSG00000	IGBP1	ALPHA-4|I	immunoglo	protein-coding
chr6-1496	5.112661	-0.96124	1.062188	-0.90496	0.365487	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L1ME3F|LI	-30208	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr1-1009	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJb|SIN	16499	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr12-280	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr12	2803548	2803923	+	0	NA	3' UTR (N	3' UTR (N	8765	NM_002014	2288	Hs.524183	NM_002014	ENSG00000	FKBP4	FKBP51|FK	FKBP prol	protein-coding
chr12-760	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr12	76043080	76044753	+	0	NA	TTS (NM_1	TTS (NM_1	-12140	NM_007350	22822	Hs.602085	NM_007350	ENSG00000	PHLDA1	DT1P1B11|	pleckstri	protein-coding
chr15-810	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr15	81002987	81004040	+	0	NA	3' UTR (N	3' UTR (N	2590	NM_022566	59274	Hs.513071	NM_022566	ENSG00000	TLNRD1	MESDC1	talin roc	protein-coding
chr19-450	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr19	45084572	45085524	+	0	NA	TTS (NR_1	TTS (NR_1	5343	NR_134887	1.05E+08	Hs.662696	NR_134887	ENSG00000	GEMIN7-AS	-	GEMIN7 ar	ncRNA
chr2-1113	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	1699	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr2-2376	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	18242	NM_001137	9208	Hs.471779	NM_004735	ENSG00000	LRRFIP1	FLAP-1|FL	LRR bindi	protein-coding
chr4-1478	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	LTR12|LTR	67699	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr4-1478	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	L2b|LINE|	102554	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr6-1282	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	190905	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr7-1209	6.879469	-0.80727	0.892128	-0.90488	0.365527	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	TTS (NM_1	TTS (NM_1	6392	NM_198267	54556	Hs.489811	NM_019071	ENSG00000	ING3	Eaf4|ING2	inhibitor	protein-coding
chr1-1611	6.767538	0.8206	0.907128	0.904613	0.36567	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	2971	NM_012475	27005	Hs.8015	NM_012475	ENSG00000	USP21	USP16|USP	ubiquitin	protein-coding
chr18-353	6.767538	0.8206	0.907128	0.904613	0.36567	0.981636	chr18	35327134	35327803	+	0	NA	Intergeni	L2|LINE|L	16952	NM_001308	7572	Hs.514802	NM_006965	ENSG00000	ZNF24	KOX17|RSG	zinc fing	protein-coding
chr4-5710	6.145682	0.861993	0.952908	0.904592	0.365681	0.981636	chr4	57105783	57106345	+	0	NA	intron (N	AluYk3|SI	-3698	NR_034081	255130	Hs.691061	NR_034081	ENSG00000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr4-8245	7.963152	0.77442	0.856358	0.904317	0.365827	0.981636	chr4	82451192	82452441	+	0	NA	intron (N	AluJb|SIN	21226	NM_021204	58478	Hs.18442	NM_021204	ENSG00000	ENOPH1	E1|MASA|M	enolase-p	protein-coding
chr1-2067	10.68181	0.655889	0.725878	0.903579	0.366218	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	-39735	NM_153758	29949	Hs.661017	NM_013371	ENSG00000	IL19	IL-10C|MD	interleuk	protein-coding
chr19-266	10.68181	0.655889	0.725878	0.903579	0.366218	0.981636	chr19	26688382	26689695	+	0	NA	Intergeni	ALR/Alpha	-1104393	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-423	6.854045	-0.81525	0.902607	-0.90321	0.366413	0.981636	chr13	42313947	42314352	+	0	NA	intron (N	intron (N	41997	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr18-486	6.854045	-0.81525	0.902607	-0.90321	0.366413	0.981636	chr18	48625669	48626433	+	0	NA	intron (N	AluSx|SIN	-44549	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr1-1014	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr1	10145063	10145545	+	0	NA	intron (N	intron (N	-65266	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-1553	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSp|SIN	-5074	NM_001105	23623	Hs.226499	NM_014328	ENSG00000	RUSC1	NESCA	RUN and S	protein-coding
chr1-2239	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	16282	NR_132119	441124	Hs.520589	NR_132119		GTF2IP20	-	general t	pseudo
chr10-270	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr10	27059638	27060154	+	0	NA	intron (N	AluSx|SIN	40602	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr10-101	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	50106	NM_001174	27343	Hs.523230	NM_013274	ENSG00000	POLL	BETAN|POL	DNA polym	protein-coding
chr11-710	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr11	71088836	71089658	+	0	NA	intron (N	intron (N	135549	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CC	SH3 and m	protein-coding
chr14-673	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr14	67312165	67312917	+	0	NA	exon (NM_	exon (NM_	47263	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr14-738	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr14	73861715	73864014	+	0	NA	3' UTR (N	3' UTR (N	10917	NM_152444	145482	Hs.632344	NM_152444	ENSG00000	PTGR2	HEL-S-298	prostagla	protein-coding
chr14-775	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr14	77554204	77554988	+	0	NA	intron (N	MIRb|SINE	-55780	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr15-488	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr15	48832074	48837014	+	0	NA	intron (N	(ATTGA)n|	-23475	NM_001194	22995	Hs.443005	NM_014985	ENSG00000	CEP152	MCPH4|MCP	centrosom	protein-coding
chr16-465	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr16	4656540	4658520	+	0	NA	intron (N	intron (N	-13788	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr16-236	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr16	23623868	23624514	+	0	NA	intron (N	intron (N	17166	NM_024675	79728	Hs.444664	NM_024675	ENSG00000	PALB2	FANCN|PNC	partner a	protein-coding
chr17-576	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr17	57616721	57617358	+	0	NA	intron (N	intron (N	-8627	NR_110807	1.02E+08	Hs.680439	NR_110807	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-104	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr19	10466233	10467955	+	0	NA	exon (NM_	exon (NM_	14162	NM_006202	5141	Hs.89901	NM_006202	ENSG00000	PDE4A	DPDE2|PDE	phosphodi	protein-coding
chr19-180	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr19	18010156	18013013	+	0	NA	intron (N	AluJo|SIN	3414	NM_015683	27106	Hs.515249	NM_015683	ENSG00000	ARRDC2	CLONE2494	arrestin	protein-coding
chr2-6079	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr2	60799980	60800525	+	0	NA	3' UTR (N	3' UTR (N	43984	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr2-2302	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L2|LINE|L	14153	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr22-207	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr22	20732613	20736315	+	0	NA	exon (NM_	exon (NM_	33350	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AP	transmemb	pseudo
chr3-7359	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr3	73599096	73600690	+	0	NA	intron (N	MER20B|DN	-23675	NR_046681	1.02E+08	Hs.733334	NR_046681		PDZRN3-AS	-	PDZRN3 ar	ncRNA
chr7-2590	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr7	2590137	2590632	+	0	NA	intron (N	intron (N	31405	NM_152558	23288	Hs.520627	NM_152558	ENSG00000	IQCE	1700028P0	IQ motif	protein-coding
chr7-7602	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr7	76027307	76030103	+	0	NA	intron (N	intron (N	1819	NM_001317	51657	Hs.11615	NM_016086	ENSG00000	STYXL1	DUSP24|MK	serine/th	protein-coding
chr9-1275	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	Intergeni	AluSq2|SI	-14419	NM_001035	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr9-1283	6.708833	0.811688	0.899408	0.90247	0.366807	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	8396	NM_001329	26995	Hs.632685	NM_015679	ENSG00000	TRUB2	CLONE2492	TruB pseu	protein-coding
chr15-801	6.42772	-0.8513	0.943532	-0.90225	0.366925	0.981636	chr15	80171258	80171543	+	0	NA	intron (N	L1PA4|LIN	18401	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr3-1566	6.42772	-0.8513	0.943532	-0.90225	0.366925	0.981636	chr3	15667570	15667885	+	0	NA	non-codin	non-codin	29644	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chrX-1479	6.42772	-0.8513	0.943532	-0.90225	0.366925	0.981636	chrX	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	33667	NM_001185	2332	Hs.103183	NM_002024	ENSG00000	FMR1	FMRP|FRAX	fragile X	protein-coding
chr12-559	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chr12	55950888	55952125	+	0	NA	intron (N	intron (N	14556	NM_001200	6490	Hs.95972	NM_006928	ENSG00000	PMEL	D12S53E|M	premelano	protein-coding
chr12-647	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chr12	64720260	64723220	+	0	NA	intron (N	intron (N	37666	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr16-586	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chr16	58666579	58667474	+	0	NA	non-codin	non-codin	17305	NM_001308	55238	Hs.10499	NM_018231	ENSG00000	SLC38A7	SNAT7	solute ca	protein-coding
chr22-376	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chr22	37653964	37654264	+	0	NA	intron (N	MIRb|SINE	4263	NR_109952	1.02E+08		NR_109952	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-6036	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chr7	60368805	60369662	+	0	NA	Intergeni	ALR/Alpha	2919056	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chrX-1085	6.742115	0.814874	0.90324	0.902167	0.366968	0.981636	chrX	1.09E+08	1.09E+08	+	0	NA	intron (N	L2a|LINE|	144310	NM_003604	8471	Hs.407141	NM_003604	ENSG00000	IRS4	IRS-4|PY1	insulin r	protein-coding
chr12-896	6.895185	-0.81084	0.898936	-0.902	0.367055	0.981636	chr12	896674	898271	+	0	NA	intron (N	intron (N	35604	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr15-928	9.86334	-0.68254	0.756738	-0.90195	0.367082	0.981636	chr15	92897578	92898725	+	0	NA	non-codin	non-codin	-2173	NM_001042	1106	Hs.220864	NM_001271	ENSG00000	CHD2	EEOC	chromodom	protein-coding
chr1-1512	6.700975	0.814189	0.902791	0.901857	0.367133	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	MIRc|SINE	20360	NM_001135	8394	Hs.655131	NM_003557	ENSG00000	PIP5K1A	-	phosphati	protein-coding
chr15-845	6.700975	0.814189	0.902791	0.901857	0.367133	0.981636	chr15	84522469	84522706	+	0	NA	Intergeni	AluSx1|SI	-5740	NM_001267	643707	Hs.498345	NM_001267	ENSG00000	GOLGA6L4	-	golgin A6	protein-coding
chr17-311	6.700975	0.814189	0.902791	0.901857	0.367133	0.981636	chr17	31186200	31187893	+	0	NA	intron (N	HERVL-int	92069	NM_001128	4763	Hs.113577	NM_000267	ENSG00000	NF1	NFNS|VRNF	neurofibr	protein-coding
chrX-7139	6.700975	0.814189	0.902791	0.901857	0.367133	0.981636	chrX	71398004	71398962	+	0	NA	intron (N	intron (N	32126	NR_104387	6872	Hs.158560	NM_004606	ENSG00000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr12-798	6.155389	0.87377	0.96901	0.901714	0.367209	0.981636	chr12	79871492	79871935	+	0	NA	intron (N	intron (N	42198	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr16-158	6.155389	0.87377	0.96901	0.901714	0.367209	0.981636	chr16	1585535	1586098	+	0	NA	intron (N	AluY|SINE	5289	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG00000	LOC105371	-	uncharact	ncRNA
chr1-9710	6.15354	0.85919	0.952921	0.901639	0.367249	0.981636	chr1	9710742	9712041	+	0	NA	intron (N	AluSz6|SI	19924	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-3143	6.15354	0.85919	0.952921	0.901639	0.367249	0.981636	chr1	31433044	31433471	+	0	NA	intron (N	intron (N	19444	NM_018565	347735	Hs.270655	NM_018565	ENSG00000	SERINC2	FKSG84|PR	serine in	protein-coding
chr1-3749	6.15354	0.85919	0.952921	0.901639	0.367249	0.981636	chr1	37493978	37494837	+	0	NA	intron (N	AluSq2|SI	6587	NR_049844	1.01E+08		NR_049844	ENSG00000	MIR5581	-	microRNA	ncRNA
chr17-493	6.15354	0.85919	0.952921	0.901639	0.367249	0.981636	chr17	49301335	49301565	+	0	NA	intron (N	AluSx|SIN	-12996	NR_106745	1.02E+08		NR_106745	ENSG00000	MIR6129	hsa-mir-6	microRNA	ncRNA
chr1-1738	10.18522	0.681875	0.756301	0.901592	0.367274	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	3' UTR (N	3' UTR (N	-17930	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr19-269	44.33506	0.596282	0.661456	0.901469	0.367339	0.981636	chr19	26986861	26987068	+	0	NA	Intergeni	ALR/Alpha	-806467	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1081	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-2490	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr10-793	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr10	79385269	79385483	+	0	NA	3' UTR (N	3' UTR (N	37907	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr15-304	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr15	30485215	30486105	+	0	NA	intron (N	intron (N	11677	NR_036650	1E+08	Hs.562620	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr2-2619	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr2	26194125	26194494	+	0	NA	intron (N	intron (N	13593	NM_001191	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 assc	protein-coding
chr2-1973	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	TTS (NM_0	TTS (NM_0	43764	NM_001005	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MD	splicing	protein-coding
chr8-4782	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr8	47827611	47829067	+	0	NA	exon (NM_	exon (NM_	-90175	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr8-4791	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr8	47915516	47918317	+	0	NA	intron (N	intron (N	43220	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr9-1104	6.871611	-0.80555	0.893636	-0.90143	0.367361	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	105366	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr8-9943	11.22925	0.639366	0.709328	0.901369	0.367392	0.981636	chr8	99432410	99433424	+	0	NA	intron (N	intron (N	103813	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr1-1009	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr1	10094903	10096129	+	0	NA	exon (NM_	exon (NM_	62558	NM_001105	10277	Hs.593974	NM_006048	ENSG00000	UBE4B	E4|HDNB1|	ubiquitin	protein-coding
chr1-2444	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	Intergeni	Tigger7|D	44860	NM_001126	159	Hs.498313	NM_001126	ENSG00000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr14-242	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr14	24290097	24291508	+	0	NA	3' UTR (N	3' UTR (N	8658	NM_138452	115817	Hs.348350	NM_138452	ENSG00000	DHRS1	SDR19C1	dehydroge	protein-coding
chr19-197	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr19	19719167	19720684	+	0	NA	intron (N	L1MCa|LIN	13187	NM_021030	7561	Hs.659932	NM_021030	ENSG00000	ZNF14	GIOT-4|KO	zinc fing	protein-coding
chr22-200	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr22	20051007	20051789	+	0	NA	intron (N	AluSp|SIN	18259	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr5-1192	4.965784	0.940081	1.043277	0.901085	0.367543	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-33696	NM_001077	25816	Hs.618488	NM_014350	ENSG00000	TNFAIP8	GG2-1|MDC	TNF alpha	protein-coding
chrX-5399	3.880621	1.140763	1.266333	0.90084	0.367673	0.981636	chrX	53995197	53995410	+	0	NA	intron (N	MIRb|SINE	47844	NM_001184	23133	Hs.133352	NM_015107	ENSG00000	PHF8	JHDM1F|KI	PHD finge	protein-coding
chr11-119	9.920196	-0.68215	0.757886	-0.90007	0.368085	0.981636	chr11	11940424	11940777	+	0	NA	intron (N	intron (N	68039	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr12-122	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	-21064	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr2-1209	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	3' UTR (N	3' UTR (N	198924	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding

chr5-7748	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr5	77487866	77488687	+	0	NA	intron (N	intron (N	4040	NM_018268	55255	Hs. 482573	NM_018268	ENSG00000	WDR41	MSTP048	WD repeat	protein-coding
chr6-7884	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr6	7884689	7885597	+	0	NA	intron (N	intron (N	24934	NM_001145	81567	Hs. 150837	NM_022085	ENSG00000	TXNDC5	ENDOPDI|E	thioredox	protein-coding
chr7-6507	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr7	65071632	65073054	+	0	NA	intron (N	intron (N	1805	NR_145716	1.1E+08		NR_145716	ENSG00000	SNORA15B-	-	small nuc	snoRNA
chr9-3394	6.91275	-0.80127	0.890641	-0.89966	0.368302	0.981636	chr9	33940727	33941523	+	0	NA	intron (N	intron (N	-6750	NR_102370	1.01E+08		NR_102370	ENSG00000	SNORD121B	-	small nuc	snoRNA
chr11-860	8.112248	-0.75351	0.837588	-0.89962	0.368322	0.981636	chr11	86027518	86027764	+	0	NA	intron (N	AluJr|SIN	41443	NM_007166	8301	Hs. 163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr1-1514	7.904446	0.766701	0.852266	0.899603	0.368332	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	3389	NM_207171	23126	Hs. 489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo tran	protein-coding
chr19-579	16.16813	0.540514	0.600847	0.899587	0.36834	0.981636	chr19	57975854	57989843	+	0	NA	intron (N	AluJr4|SI	-8314	NM_152474	147685	Hs. 134209	NM_152474	ENSG00000	C19orf18	-	chromosom	protein-coding
chr11-173	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr11	17304972	17305789	+	0	NA	intron (N	L1M5|LINE	28410	NM_001352	4925	Hs. 654599	NM_005013	ENSG00000	NUCB2	HEL-S-109	nucleobin	protein-coding
chr11-122	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-28447	NM_019604	56253	Hs. 159523	NM_019604	ENSG00000	CRTAM	CD355	cytotoxic	protein-coding
chr15-808	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr15	80852846	80853610	+	0	NA	intron (N	MLT10|LTR	-11155	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr16-532	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr16	53222013	53222417	+	0	NA	intron (N	AluSq2|SI	13764	NM_001352	80205	Hs. 59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-818	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr17	81862286	81863284	+	0	NA	Intergeni	AluSx|SIN	-2250	NM_000918	5034	Hs. 464336	NM_000918	ENSG00000	P4HB	CLCRP1|DS	prolyl 4-	protein-coding
chr19-199	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr19	19915541	19920539	+	0	NA	intron (N	L1PA5|LIN	17094	NM_031218	81931	Hs. 301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr3-1544	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr3	15442675	15443002	+	0	NA	TTS (NM_0	TTS (NM_0	15240	NM_033083	85403	Hs. 716733	NM_033083	ENSG00000	EAF1	-	ELL assoc	protein-coding
chr4-1223	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-50557	NM_139243	132612	Hs. 518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr4-1511	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	22249	NR_000007	8944		NR_000007	ENSG00000	SNORD73A	RNU73|RNU	small nuc	snoRNA
chr6-3746	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr6	37465357	37466816	+	0	NA	intron (N	L1MEf|LIN	32865	NM_015050	23070	Hs. 520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr7-8406	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr7	84066704	84067618	+	0	NA	intron (N	L1PA2|LIN	127628	NM_006080	10371	Hs. 252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-1079	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA4|LIN	20735	NM_000108	1738	Hs. 131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr8-2332	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr8	23320350	23323902	+	0	NA	intron (N	intron (N	-14082	NR_038323	1.01E+08	Hs. 661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr9-3242	6.904892	-0.79955	0.8889	-0.89948	0.368398	0.981636	chr9	32420615	32425387	+	0	NA	intron (N	intron (N	38358	NM_001362	48	Hs. 567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr19-124	11.20382	0.635748	0.706931	0.899308	0.368489	0.981636	chr19	12428903	12432003	+	0	NA	exon (NM_	exon (NM_	10568	NM_005815	10224	Hs. 636894	NM_005815	ENSG00000	ZNF443	ZK1	zinc fing	protein-coding
chr1-1257	6.220103	0.86578	0.963219	0.89884	0.368738	0.981636	chr1	12576803	12577677	+	0	NA	intron (N	intron (N	1783	NR_106788	1.02E+08		NR_106788	ENSG00000	MIR6730	hsa-mir-6	microRNA	ncRNA
chr12-121	6.220103	0.86578	0.963219	0.89884	0.368738	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	29975	NM_001270	10645	Hs. 297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr15-313	6.220103	0.86578	0.963219	0.89884	0.368738	0.981636	chr15	31380937	31381564	+	0	NA	intron (N	MLT1D|LTR	54415	NM_001302	51621	Hs. 376443	NM_015995	ENSG00000	KLF13	BTEB3|FKL	Kruppel l	protein-coding
chr1-1239	8.434316	0.730925	0.813281	0.898736	0.368793	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2395909	NR_003955	647121	Hs. 697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-403	8.434316	0.730925	0.813281	0.898736	0.368793	0.981636	chr19	40369893	40370927	+	0	NA	TTS (NR_1	TTS (NR_1	564	NR_106854	1.02E+08		NR_106854	ENSG00000	MIR6796	hsa-mir-6	microRNA	ncRNA
chr7-1288	8.434316	0.730925	0.813281	0.898736	0.368793	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	13642	NM_001367	64753	Hs. 521178	NM_022742	ENSG00000	CCDC136	NAG6	coiled-co	protein-coding
chr16-743	8.14553	-0.74841	0.83274	-0.89873	0.368797	0.981636	chr16	74339017	74339216	+	0	NA	intron (N	AluSp|SIN	29139	NR_026950	283922	Hs. 558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr15-633	11.23895	0.646147	0.719077	0.898577	0.368878	0.981636	chr15	63303213	63303514	+	0	NA	intron (N	L1ME3A|LI	25758	NM_031301	83464	Hs. 511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr15-523	10.71509	0.658052	0.732353	0.898545	0.368895	0.981636	chr15	52374406	52375792	+	0	NA	intron (N	AluJr|SIN	-79295	NM_018728	55930	Hs. 487036	NM_018728	ENSG00000	MYO5C	-	myosin VC	protein-coding
chr3-1953	8.973894	0.707334	0.787327	0.8984	0.368972	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	AluY|SINE	-30123	NM_152531	152002	Hs. 478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr1-3785	8.493021	0.738201	0.821746	0.898333	0.369008	0.981636	chr1	3785673	3787053	+	0	NA	intron (N	AluSz|SIN	10135	NM_020710	57470	Hs. 268488	NM_020710	ENSG00000	LRRC47	-	leucine r	protein-coding
chr10-207	8.393176	0.730265	0.812947	0.898293	0.369029	0.981636	chr10	207384	207995	+	0	NA	intron (N	L1PA3|LIN	27695	NM_001202	10771	Hs. 292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr4-1593	8.393176	0.730265	0.812947	0.898293	0.369029	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSx4|SI	56225	NM_001351	9693	Hs. 744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr18-589	8.981751	0.705459	0.785376	0.898243	0.369056	0.981636	chr18	58979233	58980157	+	0	NA	intron (N	intron (N	-55984	NR_024021	390858	Hs. 716280	NR_024021		OACYLP	ACYL3P	O-acyltra	pseudo
chr10-101	4.973642	0.936658	1.043134	0.897927	0.369225	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	35640	NM_022039	6468	Hs. 500822	NM_022039	ENSG00000	FBXW4	DAC|FBW4|	F-box and	protein-coding
chr17-173	4.973642	0.936658	1.043134	0.897927	0.369225	0.981636	chr17	1732838	1734023	+	0	NA	intron (N	MIRc|SINE	8599	NM_001163	124997	Hs. 234572	NM_152348	ENSG00000	WDR81	CAMRQ2|HY	WD repeat	protein-coding
chr2-1482	4.973642	0.936658	1.043134	0.897927	0.369225	0.981636	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	HERVL18-i	-232612	NM_181742	5000	Hs. 558364	NM_002552	ENSG00000	ORC4	ORC4L|ORC	origin re	protein-coding
chr2-2322	4.973642	0.936658	1.043134	0.897927	0.369225	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	intron (N	91786	NR_030288	693147		NR_030288	ENSG00000	MIR562	MIRN562|h	microRNA	ncRNA
chr10-406	19.15579	0.530922	0.591938	0.896922	0.369761	0.981636	chr10	40683400	40683650	+	0	NA	Intergeni	ALR/Alpha	1684520	NR_024380	441666	Hs. 255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-7835	5.204648	-0.93315	1.040427	-0.89689	0.369777	0.981636	chr5	78357492	78358218	+	0	NA	TTS (NR_1	TTS (NR_1	2686	NR_105014	728769	Hs. 586193	NR_105014	ENSG00000	SCAMP1-AS	-	SCAMP1 an	ncRNA
chr5-1313	5.204648	-0.93315	1.040427	-0.89689	0.369777	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	126018	NM_001038	56990	Hs. 508829	NM_020240	ENSG00000	CDC42SE2	SPEC2	CDC42 sma	protein-coding
chr9-1109	9.753788	-0.70366	0.784759	-0.89665	0.369904	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	89084	NM_001351	1902	Hs. 126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-717	8.605137	-0.72114	0.80435	-0.89655	0.369961	0.981636	chr12	71771993	71772375	+	0	NA	intron (N	MLT1H|LTR	17321	NM_014999	23011	Hs. 524590	NM_014999	ENSG00000	RAB21	-	RAB21, me	protein-coding
chr5-1110	10.31509	-0.66211	0.73856	-0.89649	0.36999	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	non-codin	non-codin	3763	NM_138551	85480	Hs. 389874	NM_033035	ENSG00000	TSLP	-	thymic st	protein-coding
chr11-463	8.597279	-0.71969	0.802975	-0.89628	0.370103	0.981636	chr11	46321623	46322773	+	0	NA	TTS (NM_0	TTS (NM_0	-10728	NM_201532	8525	Hs. 502461	NM_003646	ENSG00000	DGKZ	DAGK5|DAG	diacylgly	protein-coding
chr11-120	8.597279	-0.71969	0.802975	-0.89628	0.370103	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	42717	NM_001301	23365	Hs. 24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr1-1034	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	1034912	1035579	+	0	NA	intron (N	intron (N	1252	NM_001364	375790	Hs. 273330	NM_198576	ENSG00000	AGRN	AGRIN|CMS	agrin	protein-coding
chr1-1705	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	17050493	17050692	+	0	NA	intron (N	AluSq|SIN	3578	NM_003000	6390	Hs. 465924	NM_003000	ENSG00000	SDHB	CWS2|IP|P	succinate	protein-coding
chr1-1680	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	non-codin	non-codin	60818	NM_001267	23432	Hs. 271809	NM_007369	ENSG00000	GPR161	RE2	G protein	protein-coding
chr1-1804	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	9142	NM_032360	84320	Hs. 200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr1-2128	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	40638	NM_014053	28982	Hs. 7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr1-2357	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	94163	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr11-625	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr11	62585777	62586511	+	0	NA	intron (N	intron (N	5379	NM_001367	64852	Hs. 728983	NM_022830	ENSG00000	TUT1	PAPD2|RBM	terminal	protein-coding
chr11-662	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr11	66232784	66236710	+	0	NA	intron (N	AluJo|SIN	-22547	NM_001134	64837	Hs. 280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr14-710	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr14	71030525	71031817	+	0	NA	intron (N	intron (N	123712	NM_001308	22990	Hs. 446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex l	protein-coding
chr15-504	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr15	50481157	50482010	+	0	NA	exon (NM_	exon (NM_	57178	NM_001128	9101	Hs. 443731	NM_005154	ENSG00000	USP8	HumORF8|P	ubiquitin	protein-coding
chr15-637	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr15	63731202	63732924	+	0	NA	intron (N	AluSx1|SI	101885	NM_003922	8925	Hs. 210385	NM_003922	ENSG00000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr16-234	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr16	23472374	23472951	+	0	NA	intron (N	AluJb|SIN	-19473	NM_153603	91949	Hs. 185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr17-309	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr17	30984680	30986577	+	0	NA	intron (N	L2b|LINE|	10293	NR_002221	503645	Hs. 683578	NR_002221	ENSG00000	DPRXP4	-	divergent	pseudo
chr17-812	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr17	81251393	81252486	+	0	NA	intron (N	intron (N	12025	NR_148426	284184	Hs. 356545	NM_001086	ENSG00000	NDUFAF8	C17orf89	NADH:ubic	protein-coding
chr18-549	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr18	54913331	54918854	+	0	NA	intron (N	intron (N	41956	NM_001143	80323	Hs. 120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-co	protein-coding
chr19-191	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr19	1917689	1921858	+	0	NA	intron (N	AluSx1|SI	14374	NM_001329	113178	Hs. 144980	NM_079834	ENSG00000	SCAMP4	SCAMP-4	secretory	protein-coding
chr19-584	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr19	58455996	58457381	+	0	NA	3’ UTR (N	3’ UTR (N	5066	NM_207395	388569	Hs. 186970	NM_207395	ENSG00000	ZNF324B	-	zinc fing	protein-coding
chr2-5463	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr2	54634857	54635056	+	0	NA	intron (N	intron (N	76562	NM_178313	6711	Hs. 503178	NM_003128	ENSG00000	SPTBN1	ELF|HEL10	spectrin	protein-coding
chr2-1591	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-15761	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr20-459	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr20	45900180	45901734	+	0	NA	intron (N	MIR|SINE|	-9670	NM_080749	140825	Hs. 517094	NM_080749	ENSG00000	NEURL2	C20orf163	neuralize	protein-coding
chr22-243	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr22	24317656	24318973	+	0	NA	intron (N	SVA_D|Ret	-23794	NM_001254	23384	Hs. 474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr22-316	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr22	31619677	31621437	+	0	NA	TTS (NR_1	TTS (NR_1	974	NR_106959	1.02E+08		NR_106959	ENSG00000	MIR7109	hsa-mir-7	microRNA	ncRNA
chr22-418	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr22	41896798	41897496	+	0	NA	exon (NM_	exon (NM_	-3797	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr4-1222	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	64692	NM_015312	84162	Hs. 408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr6-1047	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	L1PA2|LIN	116980	NM_001321	57531	Hs. 434340	NM_020771	ENSG00000	HACE1	SPPRS	HECT doma	protein-coding
chr7-4457	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr7	44575910	44576324	+	0	NA	Intergeni	Intergeni	-1579	NM_001257	54606	Hs. 654762	NM_019082	ENSG00000	DDX56	DDX21|DDX	DEAD-box	protein-coding
chr7-9942	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr7	99423749	99425483	+	0	NA	intron (N	intron (N	14182	NM_015545	26024	Hs. 632313	NM_015545	ENSG00000	PTCD1	-	pentatric	protein-coding
chr8-1436	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	-2877	NR_015445	286076	Hs. 178095	NM_001024610		BREA2	-	breast ca	ncRNA
chr9-1206	6.716691	0.809181	0.902912	0.89619	0.370151	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-25526	NM_001272	55755	Hs. 269560	NM_018249	ENSG00000	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr1-1512	13.44161	0.587098	0.655112	0.89618	0.370157	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4611	NM_001135	8394	Hs. 655131	NM_003557	ENSG00000	PIP5K1A	-	phosphati	protein-coding
chr10-894	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr10	89402516	89404698	+	0	NA	exon (NM_	exon (NM_	-10961	NM_012420	24138	Hs. 252839	NM_012420	ENSG00000	IFIT5	ISG58|P58	interfero	protein-coding
chr11-122	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr11	12238404	12239904	+	0	NA	intron (N	MIRb|SINE	-47746	NM_032867	84953	Hs. 60371	NM_032867	ENSG00000	MICALCL	Ebitein1	MICAL C-t	protein-coding
chr11-785	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr11	78570412	78570892	+	0	NA	intron (N	AluJb|SIN	4212	NM_001243	79731	Hs. 503389	NM_024678	ENSG00000	NARS2	DFNB94|SL	asparagin	protein-coding
chr13-110	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	10351	NM_001846	1284	Hs. 508716	NM_001846	ENSG00000	COL4A2	BSVD2|ICH	collagen	protein-coding
chr14-884	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr14	88458143	88462632	+	0	NA	Intergeni	L1PA4|LIN	74730	NM_018418	55812	Hs. 525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-419	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr15	41941851	41942299	+	0	NA	intron (N	intron (N	20658	NR_120332	1.02E+08	Hs. 680195	NR_120332		EHD4-AS1	-	EHD4 anti	ncRNA
chr15-667	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr15	66753369	66755840	+	0	NA	intron (N	intron (N	52368	NR_027654	4091	Hs. 153863	NM_005585	ENSG00000	SMAD6	AOVD2|HsT	SMAD fami	protein-coding
chr16-149	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr16	14992899	14994407	+	0	NA	intron (N	L1PA4|LIN	16744	NR_036054	1E+08		NR_036054	ENSG00000	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr16-845	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr16	84570808	84572616	+	0	NA	intron (N	intron (N	46366	NM_021149	23406	Hs. 289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr17-320	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr17	32000482	32000986	+	0	NA	3’ UTR (N	3’ UTR (N	-6649	NM_001321	114659	Hs. 514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr17-321	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr17	32194213	32195791	+	0	NA	intron (N	AluSc8|SI	-43431	NR_002222	503640	Hs. 631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr17-759	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr17	75901724	75902627	+	0	NA	intron (N	intron (N	2925	NM_032478	64978	Hs. 442609	NM_032478	ENSG00000	MRPL38	HSPC262|I	mitochond	protein-coding
chr19-619	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr19	61985	62310	+	0	NA	intron (N	Plat_L3|L	8819	NR_033266	375690	Hs. 521961	NR_033266	ENSG00000	WASH5P	-	WASP fami	pseudo
chr19-584	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr19	58412120	58412510	+	0	NA	intron (N	AluYb8|SI	3641	NM_001318	201514	Hs. 439551	NM_173548	ENSG00000	ZNF584	-	zinc fing	protein-coding
chr2-1125	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-5876	NR_136321	1.05E+08	Hs. 599548	NR_136321		LOC105373	-	uncharact	ncRNA
chr2-2016	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-6470	NM_001168	151254	Hs. 335788	NM_152525	ENSG00000	C2CD6	ALS2CR11	C2 calciu	protein-coding
chr3-4982	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr3	4982174	4984867	+	0	NA	exon (NM_	exon (NM_	-3559	NR_037903	1.01E+08	Hs. 434505	NR_037903	ENSG00000	BHLHE40-A	-	BHLHE40 a	ncRNA
chr3-1913	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-28977	NR_120606	1.03E+08		NR_120606		LINCR-000	-	uncharact	ncRNA
chr5-9698	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr5	96989947	96990146	+	0	NA	intron (N	intron (N	31613	NM_175920	4012	Hs. 527199	NM_005575	ENSG00000	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr5-1330	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	Charlie2b	21559	NR_131767	54819	Hs. 29700	NM_017655	ENSG00000	ZCCHC10	-	zinc fing	protein-coding
chr6-8087	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr6	8087483	8089824	+	0	NA	intron (N	THE1B|LTR	-2120	NR_003703	1E+08		NR_003703		SCARNA27	-	small Caj	ncRNA
chr6-7510	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr6	75108035	75109125	+	0	NA	intron (N	intron (N	20202	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr7-6005	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr7	6005493	6005856	+	0	NA	intron (N	MIRb|SINE	3375	NM_001322	5395	Hs. 632637	NM_000535	ENSG00000	PMS2	HNPCC4|ML	PMS1 homo	protein-coding
chr7-3258	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr7	32582931	32583558	+	0	NA	intron (N	intron (N	87755	NM_015060	23080	Hs. 128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr8-1335	6.897034	-0.79781	0.8904	-0.89601	0.370246	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	MIRc|SINE	6125	NM_003033	6482	Hs. 374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr2-3336	9.896622	-0.67837	0.757312	-0.89575	0.370384	0.981636	chr2	33365845	33366282	+	0	NA	intron (N	intron (N	-52453	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr7-1309	9.896622	-0.67837	0.757312	-0.89575	0.370384	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc8|SI	10773	NR_110473	378805	Hs. 150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-P	long inte	ncRNA
chr20-594	8.401034	0.72827	0.813095	0.895677	0.370425	0.981636	chr20	5945219	5945423	+	0	NA	intron (N	L2a|LINE|	5212	NM_015939	51605	Hs. 128791	NM_015939	ENSG00000	TRMT6	CGI-09|GC	tRNA meth	protein-coding
chr12-560	8.385319	0.732223	0.817581	0.895597	0.370468	0.981636	chr12	56032734	56033225	+	0	NA	intron (N	intron (N	-7888	NR_135023	1.05E+08	Hs. 670395	NR_135023		LOC105369	-	uncharact	ncRNA
chr1-2014	10.34837	-0.65817	0.735009	-0.89546	0.370539	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	MIR|SINE|	8964	NM_001193	1465	Hs. 108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr1-2432	10.34837	-0.65817	0.735009	-0.89546	0.370539	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	43804	NM_014812	9859	Hs. 533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr13-483	5.163508	-0.93925	1.049072	-0.89532	0.370618	0.981636	chr13	48311971	48312602	+	0	NA	intron (N	L1MCc|LIN	8539	NM_000321	5925	Hs. 408528	NM_000321	ENSG00000	RB1	OSRC|PPP1	RB transc	protein-coding
chr9-5093	5.163508	-0.93925	1.049072	-0.89532	0.370618	0.981636	chr9	5093480	5094233	+	0	NA	intron (N	intron (N	52163	NM_001322	3717	Hs. 656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr5-9676	10.34051	-0.65696	0.733879	-0.89519	0.370685	0.981636	chr5	96763055	96763500	+	0	NA	intron (N	intron (N	19675	NR_104285	831	Hs. 436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr10-405	11.21168	0.634279	0.708612	0.8951	0.370733	0.981636	chr10	40514545	40515204	+	0	NA	Intergeni	ALR/Alpha	1818278	NR_045000	399746	Hs. 742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-2263	8.94847	0.702917	0.785586	0.894769	0.370911	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluJr|SIN	25428	NM_001618	142	Hs. 177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr1-9869	3.932578	-1.07456	1.200975	-0.89474	0.370928	0.981636	chr1	98690771	98691641	+	0	NA	intron (N	intron (N	29485	NM_001364	51375	Hs. 197015	NM_015976	ENSG00000	SNX7	-	sorting n	protein-coding
chrX-9719	3.932578	-1.07456	1.200975	-0.89474	0.370928	0.981636	chrX	9719080	9719498	+	0	NA	3’ UTR (N	3’ UTR (N	46558	NM_000273	4935	Hs. 74124	NM_000273	ENSG00000	GPR143	NYS6|OA1	G protein	protein-coding
chr19-452	7.871165	0.763864	0.853784	0.894681	0.370958	0.981636	chr19	45263114	45263457	+	0	NA	intron (N	intron (N	12014	NM_001199	57787	Hs. 34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr1-1639	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr1	16399182	16399533	+	0	NA	non-codin	non-codin	32115	NR_073501	26099	Hs. 252967	NM_001114	ENSG00000	SZRD1	C1orf144	SUZ RNA b	protein-coding
chr2-3937	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr2	39373317	39376640	+	0	NA	intron (N	intron (N	62307	NM_003618	8491	Hs. 655750	NM_003618	ENSG00000	MAP4K3	GLK|MAPKK	mitogen-a	protein-coding
chr2-2226	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	AluSg|SIN	42760	NR_130154	10056	Hs. 471452	NM_005687	ENSG00000	FARSB	FARSLB|FR	phenylala	protein-coding
chr3-5331	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr3	53312554	53312789	+	0	NA	intron (N	AluYm1|SI	20456	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr6-8563	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr6	85631855	85632344	+	0	NA	intron (N	intron (N	9352	NM_001159	10492	Hs. 571177	NM_006372	ENSG00000	SYNCRIP	GRY-RBP|G	synaptota	protein-coding
chr7-9944	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr7	99441291	99441704	+	0	NA	intron (N	intron (N	2121	NM_001318	10898	Hs. 489287	NM_006693	ENSG00000	CPSF4	CPSF30|NA	cleavage	protein-coding

chr7-1571	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	31945	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr8-1033	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	HAL1|LINE	6844	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr9-2186	6.863753	-0.80384	0.898466	-0.89468	0.370958	0.981636	chr9	21862022	21862548	+	0	NA	3’ UTR (N	3’ UTR (N	59649	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr1-1553	8.956328	0.70106	0.783638	0.894622	0.370989	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-1161	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr17-427	8.956328	0.70106	0.783638	0.894622	0.370989	0.981636	chr17	42716303	42718633	+	0	NA	intron (N	intron (N	-9317	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr17-640	8.956328	0.70106	0.783638	0.894622	0.370989	0.981636	chr17	64068710	64071231	+	0	NA	intron (N	MLT1H|LTR	-49336	NM_001099	3384	Hs.431460	NM_000873	ENSG00000	ICAM2	CD102	intercell	protein-coding
chr2-1098	8.956328	0.70106	0.783638	0.894622	0.370989	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	L1ME1|LIN	-46840	NR_038099	1E+08	Hs.535619	NM_001205	ENSG00000	LIMS4	LIMS3L	LIM zinc	protein-coding
chr7-1587	8.956328	0.70106	0.783638	0.894622	0.370989	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-32507	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr2-1113	8.579713	-0.72754	0.813692	-0.89413	0.371254	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MLT1H1|LT	-43387	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr6-3325	8.579713	-0.72754	0.813692	-0.89413	0.371254	0.981636	chr6	33257244	33257476	+	0	NA	intron (N	L1MEd|LIN	7824	NR_044997	414765	Hs.675862	NR_044997	ENSG00000	HCG25	dJ1033B10	HLA compl	ncRNA
chr4-1228	6.693117	0.816772	0.913517	0.894097	0.37127	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	LTR8A|LTR	8464	NM_001361	2247	Hs.284244	NM_002006	ENSG00000	FGF2	BFGF|FGF-	fibroblas	protein-coding
chr6-1192	6.693117	0.816772	0.913517	0.894097	0.37127	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	Tigger3b|	-53558	NM_001288	79632	Hs.443789	NM_024581	ENSG00000	FAM184A	C6orf60	family wi	protein-coding
chr9-3443	4.45163	1.023933	1.145232	0.894084	0.371277	0.981636	chr9	34438113	34438647	+	0	NA	intron (N	LTR12C|LT	20190	NM_147202	203259	Hs.493771	NM_147202	ENSG00000	FAM219A	C9orf25	family wi	protein-coding
chr17-292	10.30723	-0.66091	0.739302	-0.89397	0.371339	0.981636	chr17	29262010	29262353	+	0	NA	3’ UTR (N	3’ UTR (N	15324	NM_005208	1411	Hs.46275	NM_005208	ENSG00000	CRYBA1	CRYB1|CTR	crystalli	protein-coding
chr12-781	8.571855	-0.72606	0.812304	-0.89383	0.371411	0.981636	chr12	78140036	78140255	+	0	NA	intron (N	intron (N	219601	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr1-8499	4.957926	0.943581	1.055658	0.893832	0.371412	0.981636	chr1	8499674	8500648	+	0	NA	intron (N	(AAC)n|Si	-5248	NR_132752	1.07E+08		NR_132752		SNORD128	ZL43	small nuc	snoRNA
chr10-680	8.63056	-0.71496	0.800094	-0.89359	0.371541	0.981636	chr10	68055462	68056607	+	0	NA	intron (N	AluSx1|SI	19249	NM_001278	26091	Hs.51891	NM_015601	ENSG00000	HERC4	-	HECT and	protein-coding
chr16-300	8.63056	-0.71496	0.800094	-0.89359	0.371541	0.981636	chr16	30059650	30060244	+	0	NA	intron (N	MIRb|SINE	-4332	NM_184043	226	Hs.513490	NM_000034	ENSG00000	ALDOA	ALDA|GSD1	aldolase,	protein-coding
chr17-285	8.63056	-0.71496	0.800094	-0.89359	0.371541	0.981636	chr17	28583214	28583945	+	0	NA	exon (NM_	exon (NM_	-6684	NM_005165	230	Hs.155247	NM_005165	ENSG00000	ALDOC	ALDC	aldolase,	protein-coding
chr12-661	10.28967	-0.66745	0.747079	-0.89341	0.371636	0.981636	chr12	66136735	66136934	+	0	NA	TTS (NM_0	TTS (NM_0	6083	NR_125724	1.04E+08	Hs.504820	NR_125724	ENSG00000	LLPH-DT	LLPH-AS1	LLPH dive	ncRNA
chr1-8393	8.622703	-0.71353	0.798725	-0.89334	0.371674	0.981636	chr1	83937464	83937710	+	0	NA	intron (N	Tigger3a|	61545	NM_001350	79739	Hs.445826	NM_024686	ENSG00000	TTLL7	-	tubulin t	protein-coding
chr11-657	8.622703	-0.71353	0.798725	-0.89334	0.371674	0.981636	chr11	65718545	65718752	+	0	NA	exon (NM_	exon (NM_	2290	NM_032193	84153	Hs.718438	NM_032193	ENSG00000	RNASEH2C	AGS3|AYP1	ribonucle	protein-coding
chr13-483	8.622703	-0.71353	0.798725	-0.89334	0.371674	0.981636	chr13	48381385	48381924	+	0	NA	intron (N	intron (N	31459	NM_001162	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr17-281	8.622703	-0.71353	0.798725	-0.89334	0.371674	0.981636	chr17	28134734	28135402	+	0	NA	intron (N	intron (N	-91495	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr1-2065	8.989609	0.70362	0.787658	0.893307	0.371693	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	16764	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr6-3357	8.989609	0.70362	0.787658	0.893307	0.371693	0.981636	chr6	33574406	33577720	+	0	NA	intron (N	AluSp|SIN	4213	NM_001188	578	Hs.485139	NM_001188	ENSG00000	BAK1	BAK|BAK-L	BCL2 anta	protein-coding
chr1-1126	8.18667	-0.74473	0.833713	-0.89327	0.371715	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	7023	NM_001042	389	Hs.502659	NM_175744	ENSG00000	RHOC	ARH9|ARHC	ras homol	protein-coding
chr4-1690	8.18667	-0.74473	0.833713	-0.89327	0.371715	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	4798	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr11-863	8.467598	0.733507	0.821236	0.893175	0.371763	0.981636	chr11	8635605	8636503	+	0	NA	intron (N	LTR8A|LTR	22782	NM_014818	9866	Hs.130836	NM_014818	ENSG00000	TRIM66	C11orf29|	tripartit	protein-coding
chr11-117	8.467598	0.733507	0.821236	0.893175	0.371763	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	9689	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr14-104	8.467598	0.733507	0.821236	0.893175	0.371763	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	12956	NR_162135	1.13E+08		NR_162135		MIR12121	-	microRNA	ncRNA
chr5-6568	8.467598	0.733507	0.821236	0.893175	0.371763	0.981636	chr5	65687714	65688004	+	0	NA	intron (N	AluSz|SIN	34250	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr15-891	6.838329	-0.81185	0.909038	-0.89309	0.371808	0.981636	chr15	89179106	89179305	+	0	NA	intron (N	intron (N	42374	NM_000326	6017	Hs.1933	NM_000326	ENSG00000	RLBP1	CRALBP	retinalde	protein-coding
chr18-541	6.838329	-0.81185	0.909038	-0.89309	0.371808	0.981636	chr18	54182384	54182583	+	0	NA	intron (N	L2c|LINE|	39929	NR_002970	677819	Hs.655869	NR_002970	ENSG00000	SNORA37	ACA37	small nuc	snoRNA
chr1-1244	24.91684	0.455302	0.509873	0.892971	0.371873	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2918654	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-677	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr14	67793819	67794411	+	0	NA	intron (N	intron (N	22475	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-705	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr14	70562379	70562664	+	0	NA	Intergeni	MSTA-int|	-27517	NM_003814	8748	Hs.177984	NM_003814	ENSG00000	ADAM20	-	ADAM meta	protein-coding
chr19-796	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr19	7966537	7967002	+	0	NA	intron (N	AluJr|SIN	-23103	NM_006351	10469	Hs.465784	NM_006351	ENSG00000	TIMM44	TIM44	transloca	protein-coding
chr3-9833	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr3	9833244	9833691	+	0	NA	intron (N	intron (N	10541	NM_001351	285367	Hs.33719	NM_173659	ENSG00000	RPUSD3	-	RNA pseud	protein-coding
chr8-1334	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	100001	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1275	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	35349	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr9-1290	6.683409	0.805992	0.902633	0.892934	0.371892	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	11320	NM_032809	84895	Hs.632693	NM_032809	ENSG00000	MIGA2	C9orf54|F	mitoguard	protein-coding
chr17-441	11.67129	-0.63285	0.708757	-0.89291	0.371908	0.981636	chr17	44197036	44197235	+	0	NA	intron (N	intron (N	1026	NM_001098	56970	Hs.512651	NM_020218	ENSG00000	ATXN7L3	-	ataxin 7	protein-coding
chr2-9278	16.17598	0.539477	0.604441	0.892522	0.372113	0.981636	chr2	92780060	92780372	+	0	NA	Intergeni	ALR/Alpha	839083	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-2294	9.040457	0.712617	0.798483	0.892464	0.372144	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	intron (N	18762	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NP	nucleopor	protein-coding
chr1-3768	6.675551	0.808482	0.906035	0.89233	0.372216	0.981636	chr1	37683414	37683801	+	0	NA	intron (N	intron (N	6922	NM_001350	54955	Hs.272673	NM_017850	ENSG00000	C1orf109	-	chromosom	protein-coding
chr16-288	6.675551	0.808482	0.906035	0.89233	0.372216	0.981636	chr16	28837579	28838052	+	0	NA	TTS (NM_1	TTS (NM_1	6192	NR_039872	1.01E+08		NR_039872	ENSG00000	MIR4721	-	microRNA	ncRNA
chr21-428	6.675551	0.808482	0.906035	0.89233	0.372216	0.981636	chr21	42854987	42856070	+	0	NA	intron (N	intron (N	23747	NM_001260	10785	Hs.248815	NM_018669	ENSG00000	WDR4	GAMOS6|MI	WD repeat	protein-coding
chr5-7940	6.675551	0.808482	0.906035	0.89233	0.372216	0.981636	chr5	79409117	79409664	+	0	NA	intron (N	AluSz|SIN	104446	NM_001277	9456	Hs.591761	NM_004272	ENSG00000	HOMER1	HOMER|HOM	homer sca	protein-coding
chr9-1015	6.675551	0.808482	0.906035	0.89233	0.372216	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	20634	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr2-8490	16.04924	-0.5359	0.60082	-0.89194	0.372424	0.981636	chr2	84906074	84907327	+	0	NA	TTS (NM_0	TTS (NM_0	1044	NM_021103	9168	Hs.446574	NM_021103	ENSG00000	TMSB10	MIG12|TB1	thymosin	protein-coding
chr10-402	12.88632	0.599645	0.672484	0.891686	0.372561	0.981636	chr10	40288160	40289699	+	0	NA	Intergeni	ALR/Alpha	1592333	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr2-7008	12.06803	-0.61045	0.685024	-0.89113	0.372857	0.981636	chr2	70087927	70088824	+	0	NA	exon (NM_	exon (NM_	898	NM_006196	5093	Hs.2853	NM_006196	ENSG00000	PCBP1	HEL-S-85|	poly(rC)	protein-coding
chr8-1334	8.563997	-0.72465	0.813351	-0.89094	0.372962	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	102938	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr1-1549	11.18626	0.630679	0.707975	0.890821	0.373025	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-4122	NM_138300	90780	Hs.533597	NM_138300	ENSG00000	PYGO2	1190004M2	pygopus f	protein-coding
chr1-2473	6.161397	0.856177	0.961287	0.890657	0.373113	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24844	NM_001329	84838	Hs.168677	NM_032752	ENSG00000	ZNF496	NIZP1|ZFP	zinc fing	protein-coding
chr7-4293	6.161397	0.856177	0.961287	0.890657	0.373113	0.981636	chr7	42938677	42938910	+	0	NA	TTS (NM_0	TTS (NM_0	6417	NR_156497	64983	Hs.50252	NM_031903	ENSG00000	MRPL32	HSPC283|I	mitochond	protein-coding
chrX-1376	6.161397	0.856177	0.961287	0.890657	0.373113	0.981636	chrX	13767275	13767474	+	0	NA	intron (N	intron (N	32626	NM_003611	8481	Hs.6483	NM_003611	ENSG00000	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chr15-708	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr15	70848679	70849423	+	0	NA	intron (N	L1MC5a|LI	-4188	NM_001284	54839	Hs.12692	NM_017691	ENSG00000	LRRC49	PGs4	leucine r	protein-coding
chr17-596	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr17	59605839	59606240	+	0	NA	intron (N	AluSp|SIN	-13650	NM_001288	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr19-436	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr19	43651467	43652181	+	0	NA	intron (N	intron (N	-11974	NM_145296	199731	Hs.370984	NM_145296	ENSG00000	CADM4	IGSF4C|NE	cell adhe	protein-coding
chr3-1204	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	10135	NM_007085	11167	Hs.269512	NM_007085	ENSG00000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr4-1139	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA3|LIN	39700	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr9-9223	8.614845	-0.71212	0.799751	-0.89042	0.373238	0.981636	chr9	92234830	92243743	+	0	NA	intron (N	L1MDa|LIN	-48130	NM_001350	138652	Hs.742918	NM_001350291		PRSS47	-	serine pr	protein-coding
chr14-899	8.940612	0.704831	0.791905	0.890045	0.373442	0.981636	chr14	89993275	89994735	+	0	NA	intron (N	L1MB7|LIN	38078	NM_018319	55775	Hs.209945	NM_018319	ENSG00000	TDP1	-	tyrosyl-D	protein-coding
chr3-1420	3.973718	-1.06582	1.197642	-0.88993	0.373501	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	promoter-	promoter-	12	NM_001178	7029	Hs.379018	NM_006286	ENSG00000	TFDP2	DP2	transcrip	protein-coding
chr11-710	10.37379	-0.65309	0.733869	-0.88992	0.373508	0.981636	chr11	71056039	71056656	+	0	NA	intron (N	intron (N	168449	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CO	SH3 and m	protein-coding
chr9-6568	10.37379	-0.65309	0.733869	-0.88992	0.373508	0.981636	chr9	65681491	65682146	+	0	NA	TTS (NM_0	TTS (NM_0	5890	NM_001363	220869	Hs.355950	NM_001024	ENSG00000	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chr1-1204	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	non-codin	non-codin	-57833	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1613	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSx|SIN	18503	NM_001278	6391	Hs.444472	NM_003001	ENSG00000	SDHC	CYB560|CY	succinate	protein-coding
chr1-2029	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	18521	NM_001303	59349	Hs.706793	NM_021633	ENSG00000	KLHL12	C3IP1|DKI	kelch lik	protein-coding
chr10-102	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	22633	NM_017787	54838	Hs.500897	NM_017787	ENSG00000	WBP1L	C10orf26|	WW domain	protein-coding
chr19-358	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr19	35895444	35896298	+	0	NA	intron (N	MIR1_Amn|	3866	NM_001321	84807	Hs.466531	NM_032721	ENSG00000	NFKBID	IkBNS|Ika	NFKB inhi	protein-coding
chr19-388	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr19	38827409	38828393	+	0	NA	intron (N	intron (N	3893	NM_001398	1891	Hs.196176	NM_001398	ENSG00000	ECH1	HPXEL	enoyl-CoA	protein-coding
chr21-370	8.964186	0.699213	0.785916	0.889679	0.373638	0.981636	chr21	37090908	37091202	+	0	NA	intron (N	intron (N	8108	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr19-125	4.94036	0.932603	1.048761	0.889243	0.373873	0.981636	chr19	12584490	12585363	+	0	NA	intron (N	intron (N	25887	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr11-122	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	L1ME1|LIN	-2735	NM_001001	414899	Hs.686109	NM_001001	ENSG00000	BLID	BRCC2	BH3-like	protein-coding
chr12-297	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr12	29732141	29733112	+	0	NA	intron (N	MIRb|SINE	51316	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr2-2022	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	FLAM_C|SI	2113	NR_145774	1.1E+08		NR_145774	ENSG00000	SNORD70B	-	small nuc	snoRNA
chr20-413	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr20	41312083	41312649	+	0	NA	Intergeni	LTR12F|LT	-12246	NM_015035	23051	Hs.380133	NM_015035	ENSG00000	ZHX3	TIX1	zinc fing	protein-coding
chr4-1187	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	TTS (NM_0	TTS (NM_0	36728	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr5-1282	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	173305	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr6-1109	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	Tigger15a	5578	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr9-1299	6.889176	-0.79604	0.895208	-0.88923	0.373882	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	32399	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr18-621	6.419862	-0.84907	0.954894	-0.88917	0.373909	0.981636	chr18	62158993	62159192	+	0	NA	intron (N	AluSg|SIN	27964	NM_012327	23556	Hs.157031	NM_012327	ENSG00000	PIGN	MCAHS|MCA	phosphati	protein-coding
chr17-460	8.178812	-0.74315	0.836164	-0.88876	0.374134	0.981636	chr17	46089937	46090223	+	0	NA	intron (N	MLT1C|LTR	90830	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr2-1741	8.178812	-0.74315	0.836164	-0.88876	0.374134	0.981636	chr2	1741960	1742332	+	0	NA	intron (N	intron (N	2369	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COR	peroxidas	protein-coding
chr19-840	8.021857	0.782082	0.880027	0.888703	0.374163	0.981636	chr19	8404964	8405163	+	0	NA	TTS (NM_0	TTS (NM_0	-8240	NM_001005	51257	Hs.631861	NM_016496	ENSG00000	2-Mar	HSPC240|M	membrane	protein-coding
chr5-4735	18.35507	0.512037	0.576174	0.888683	0.374173	0.981636	chr5	47358734	47359982	+	0	NA	Intergeni	ALR/Alpha	-1662978	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1165	6.749972	0.812341	0.914098	0.88868	0.374175	0.981636	chr1	11656339	11658071	+	0	NA	intron (N	MER58C|DN	2328	NM_033182	93611	Hs.556006	NM_033182	ENSG00000	FBXO44	FBG3|FBX3	F-box pro	protein-coding
chr1-1847	11.15298	0.628562	0.707423	0.888523	0.374259	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1MA3|LIN	22466	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr1-1627	8.923046	0.69852	0.786239	0.888433	0.374308	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10009	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr12-110	8.923046	0.69852	0.786239	0.888433	0.374308	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15703	NR_135088	79600	Hs.211511	NM_024549	ENSG00000	TCTN1	JBTS13|TE	tectonic	protein-coding
chr3-1954	8.923046	0.69852	0.786239	0.888433	0.374308	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	MLT1A1|LT	32126	NM_012287	23527	Hs.593373	NM_012287	ENSG00000	ACAP2	CENTB2|CN	ArfGAP wi	protein-coding
chr1-1144	8.930904	0.696673	0.784287	0.888287	0.374386	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	86124	NM_033020	51592	Hs.26837	NM_015906	ENSG00000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr1-1506	8.930904	0.696673	0.784287	0.888287	0.374386	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	4656	NM_018178	55204	Hs.203699	NM_018178	ENSG00000	GOLPH3L	GPP34R	golgi pho	protein-coding
chr11-577	8.930904	0.696673	0.784287	0.888287	0.374386	0.981636	chr11	57703389	57705042	+	0	NA	3’ UTR (N	3’ UTR (N	8000	NR_157587	219541	Hs.43619	NM_153450	ENSG00000	MED19	DT2P1G7|I	mediator	protein-coding
chr11-108	8.930904	0.696673	0.784287	0.888287	0.374386	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz6|SI	71053	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr9-3424	8.930904	0.696673	0.784287	0.888287	0.374386	0.981636	chr9	34241134	34242794	+	0	NA	exon (NM_	exon (NM_	62921	NM_001171	51271	Hs.268963	NM_016525	ENSG00000	UBAP1	NAG20|SPC	ubiquitin	protein-coding
chr1-4102	5.19679	-0.93064	1.047862	-0.88813	0.374469	0.981636	chr1	41027256	41027588	+	0	NA	non-codin	non-codin	-5667	NM_001168	200172	Hs.194609	NM_144990	ENSG00000	SLFNL1	-	schlafen	protein-coding
chr2-1328	5.19679	-0.93064	1.047862	-0.88813	0.374469	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-113383	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr11-107	8.581563	-0.71689	0.80748	-0.88781	0.374645	0.981636	chr11	10779027	10779525	+	0	NA	3’ UTR (N	3’ UTR (N	22332	NR_004403	692223	Hs.723086	NR_004403	ENSG00000	SNORD97	U97	small nuc	snoRNA
chr14-998	8.581563	-0.71689	0.80748	-0.88781	0.374645	0.981636	chr14	99897215	99897653	+	0	NA	intron (N	intron (N	-73988	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr1-1539	8.408892	0.726188	0.81803	0.887728	0.374687	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	1822	NR_106795	1.02E+08		NR_106795	ENSG00000	MIR6737	hsa-mir-6	microRNA	ncRNA
chr11-124	6.938174	-0.79349	0.894242	-0.88733	0.374899	0.981636	chr11	12496093	12498167	+	0	NA	intron (N	intron (N	119559	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr14-507	6.938174	-0.79349	0.894242	-0.88733	0.374899	0.981636	chr14	50732599	50732952	+	0	NA	intron (N	AluSc8|SI	-64469	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr21-289	6.938174	-0.79349	0.894242	-0.88733	0.374899	0.981636	chr21	28957299	28958336	+	0	NA	intron (N	intron (N	35060	NM_001320	26046	Hs.288773	NM_015565	ENSG00000	LTN1	C21orf10|	listerin	protein-coding
chr4-8673	6.938174	-0.79349	0.894242	-0.88733	0.374899	0.981636	chr4	86735807	86736452	+	0	NA	intron (N	intron (N	113255	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr2-2247	6.930316	-0.79178	0.892493	-0.88716	0.374995	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	154246	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr5-1194	6.930316	-0.79178	0.892493	-0.88716	0.374995	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	26567	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr5-1461	6.930316	-0.79178	0.892493	-0.88716	0.374995	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	38458	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr5-1462	6.930316	-0.79178	0.892493	-0.88716	0.374995	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	55108	NM_018989	54439	Hs.61441	NM_018989	ENSG00000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr8-5405	6.930316	-0.79178	0.892493	-0.88716	0.374995	0.981636	chr8	54050982	54051472	+	0	NA	intron (N	intron (N	-28779	NR_109901	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr2-1663	6.194679	0.859405	0.969079	0.886826	0.375173	0.981636	chr2	16637678	16637896	+	0	NA	intron (N	MIR3|SINE	28047	NM_030797	81553	Hs.467769	NM_030797	ENSG00000	FAM49A	-	family wi	protein-coding
chr3-4840	6.194679	0.859405	0.969079	0.886826	0.375173	0.981636	chr3	48409428	48410576	+	0	NA	exon (NM_	exon (NM_	19461	NM_002673	5364	Hs.476209	NM_002673	ENSG00000	PLXNB1	PLEXIN-B1	plexin B1	protein-coding
chr10-497	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr10	4975311	4978197	+	0	NA	intron (N	intron (N	13339	NM_001353	1645	Hs.460260	NM_001353	ENSG00000	AKR1C1	2-ALPHA-H	aldo-keto	protein-coding
chr11-899	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr11	899045	901048	+	0	NA	exon (NM_	exon (NM_	10764	NM_001142	66005	Hs.144468	NM_023947	ENSG00000	CHID1	GL008|SI-	chitinase	protein-coding
chr11-649	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr11	64911561	64914337	+	0	NA	intron (N	intron (N	4260	NM_001367	23130	Hs.370671	NM_015104	ENSG00000	ATG2A	-	autophagy	protein-coding
chr12-269	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr12	26979427	26980594	+	0	NA	intron (N	intron (N	34374	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr14-954	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr14	95465581	95465926	+	0	NA	intron (N	intron (N	10082	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr15-412	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr15	41243805	41245368	+	0	NA	intron (N	MER20|DNA	13318	NM_007236	11261	Hs.406234	NM_007236	ENSG00000	CHP1	CHP|SLC9A	calcineur	protein-coding
chr16-269	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr16	2699564	2700329	+	0	NA	intron (N	intron (N	17423	NM_018992	54442	Hs.61960	NM_018992	ENSG00000	KCTD5	-	potassium	protein-coding
chr19-556	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr19	55695347	55695668	+	0	NA	3’ UTR (N	3’ UTR (N	18882	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding

chr2-219	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr2	2.2E+08	2.2E+08	+	0	NA	intron (	L2c|LINE|	4948	NM_205847	29926	Hs.27059	NM_01333	ENSG0000	GMPPA	AAMR	GDP-mann	protein-coding
chr20-25	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr20	25644067	25645800	+	0	NA	intron (	L1M3|LIN	20708	NR_126467	1.03E+08	Hs.633621	NR_12646	ENSG0000	ZNF337-A	-	ZNF337 a	ncRNA
chr20-32	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr20	32309560	32310611	+	0	NA	exon (NM_	exon (NM_	32434	NM_00479	9371	Hs.36967	NM_00479	ENSG0000	KIF3B	FLA8|HHO	kinesin f	protein-coding
chr21-33	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr21	33817277	33818067	+	0	NA	intron (	L2c|LINE|	98132	NM_001697	539	Hs.40914	NM_001697	ENSG0000	ATP5PO	ATP50|AT	ATP synt	protein-coding
chr21-454	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr21	45474815	45475040	+	0	NA	intron (	CpG	-3339	NR_10687	1.02E+08		NR_10687	ENSG0000	MIR6815	hsa-mir-	microRNA	ncRNA
chr21-464	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr21	46430646	46432425	+	0	NA	exon (NM_	exon (NM_	-27356	NM_206891	23181	Hs.18958	NM_015151	ENSG0000	DIP2A	C21orf10	disco int	protein-coding
chr22-23	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr22	23659537	23659870	+	0	NA	intron (	intron (	-27382	NM_01644	51233	Hs.51746	NM_01644	ENSG0000	DRICH1	C22orf43|	aspartat	protein-coding
chr3-458	6.691267	0.803445	0.906155	0.886653	0.375266	0.981636	chr3	45833756	45834355	+	0	NA	intron (	intron (	8064	NM_020347	54585	Hs.30824	NM_020347	ENSG0000	LZTFL1	BBS17	leucine z	protein-coding
chr19-57	13.94606	0.569538	0.642689	0.886179	0.375521	0.981636	chr19	57571173	57577622	+	0	NA	intron (	MER74B|LT	4514	NM_01787	55659	Hs.247711	NM_01787	ENSG0000	ZNF416	-	zinc fin	protein-coding
chr11-771	4.948218	0.929151	1.048616	0.886073	0.375578	0.981636	chr11	77117253	77118618	+	0	NA	intron (	MIR|SINE|	-10311	NM_001127	4647	Hs.370421	NM_00026	ENSG0000	MYO7A	DFNA11|D	myosin VI	protein-coding
chr16-84	4.948218	0.929151	1.048616	0.886073	0.375578	0.981636	chr16	84071671	84072885	+	0	NA	intron (	L1MB7|LI	-30121	NM_00108	146167		NM_00108	ENSG0000	SLC38A8	FVH2	solute c	protein-coding
chr19-38	4.948218	0.929151	1.048616	0.886073	0.375578	0.981636	chr19	38890083	38891353	+	0	NA	intron (	AluSx|SI	3437	NR_03414	22933	Hs.46669	NM_012237	ENSG0000	SIRT2	SIR2|SIR	sirtuin	protein-coding
chr6-111	4.948218	0.929151	1.048616	0.886073	0.375578	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (	L2b|LINE|	-66419	NM_001164	10758	Hs.561514	NM_14720	ENSG0000	TRAF3IP2	ACT1|C6o	TRAF3 int	protein-coding
chr5-4954	37.00299	0.378213	0.426852	0.886052	0.375589	0.981636	chr5	49545496	49547490	+	0	NA	Intergeni	ALR/Alph	894795	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-32	8.556139	-0.72327	0.816865	-0.88543	0.375926	0.981636	chr19	32382532	32383467	+	0	NA	exon (NM_	exon (NM_	22540	NR_046201	400684	Hs.43876	NR_046201	ENSG0000	LOC400684	-	uncharact	ncRNA
chr10-10	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (	AluSx3|SI	24897	NM_00113	55719	Hs.44745	NM_018121	ENSG0000	SLF2	C10orf6|	SMC5-SMC	protein-coding
chr12-48	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr12	48656711	48657412	+	0	NA	promoter-	promoter-	-279	NR_00295	677793	Hs.68972	NR_00295	ENSG0000	SNORA2A	ACA2A	small nuc	snoRNA
chr13-75	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr13	75583741	75584313	+	0	NA	intron (	L1MEf|LI	34277	NM_00600	7347	Hs.162241	NM_00600	ENSG0000	UCHL3	UCH-L3	ubiquiti	protein-coding
chr16-881	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr16	8818097	8819098	+	0	NA	intron (	intron (	20758	NM_00030	5373	Hs.62573	NM_00030	ENSG0000	PMM2	CDG1|CDG1	phosphom	protein-coding
chr2-993	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr2	99398511	99400443	+	0	NA	TTS (NM_	TTS (NM_	62088	NM_015904	9669	Hs.15868	NM_015904	ENSG0000	EIF5B	IF2	eukaryoti	protein-coding
chr6-8317	8.648126	-0.70742	0.799177	-0.88519	0.376054	0.981636	chr6	83177781	83179551	+	0	NA	intron (	intron (	14599	NM_00119	5238	Hs.66166	NM_01559	ENSG0000	PGM3	AGM1|IMD	phosphogl	protein-coding
chr22-20	8.442174	0.728778	0.823346	0.885142	0.37608	0.981636	chr22	20816567	20817696	+	0	NA	intron (	intron (	41680	NM_058004	5297	Hs.52943	NM_00265	ENSG0000	PI4KA	PI4K-ALP	phosphati	protein-coding
chr6-1121	8.442174	0.728778	0.823346	0.885142	0.37608	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	25121	NM_00103	619208	Hs.59134	NM_00103	ENSG0000	FAM229B	C6orf225	family wi	protein-coding
chr21-91	10.66425	0.650437	0.734893	0.885078	0.376115	0.981636	chr21	9126152	9126861	+	0	NA	intron (	LTR6A|LT	3255	NR_03832	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr11-831	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr11	83164492	83171529	+	0	NA	intron (	intron (	10879	NM_00134	51585	Hs.12895	NM_01588	ENSG0000	PCF11	-	PCF11 cl	protein-coding
chr13-45	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr13	45028584	45028847	+	0	NA	3’ UTR (	3’ UTR (	39177	NM_01855	55425	Hs.731811	NM_01855	ENSG0000	GPALPP1	AD029|KI	GPALPP m	protein-coding
chr17-63	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr17	63361334	63361677	+	0	NA	intron (	MER52A|LT	78762	NM_00133	1534	Hs.355264	NM_00191	ENSG0000	CYB561	CYB561A1|	cytochro	protein-coding
chr3-3851	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr3	38515451	38515828	+	0	NA	intron (	intron (	19299	NR_13493	9941	Hs.517897	NM_005107	ENSG0000	EXOG	ENDOGL1|	exo/endo	protein-coding
chr5-1111	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (	MSTC|LTR|	21817	NM_139281	134430	Hs.533237	NM_139281	ENSG0000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr7-4574	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr7	45743796	45748235	+	0	NA	intron (	intron (	23003	NR_024271	641977	Hs.723477	NR_024271	ENSG0000	SEPTIN7P	SEPT13|S	septin 7	pseudo
chr9-1114	8.606987	-0.71069	0.803203	-0.88482	0.376251	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	62362	NM_001364	23392	Hs.36825	NM_00108	ENSG0000	ECPAS	ECM29|KI	Ecm29 pr	protein-coding
chr6-374	6.461002	-0.84403	0.953958	-0.88477	0.376281	0.981636	chr6	37458151	37458541	+	0	NA	intron (	AluSx|SI	25125	NM_01505	23070	Hs.52010	NM_01505	ENSG0000	CMTR1	FTSJD2|KI	cap meth	protein-coding
chr1-2201	3.899297	-1.08622	1.22792	-0.8846	0.376371	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (	intron (	-5117	NR_029711	406969		NR_029711	ENSG0000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr6-309	3.899297	-1.08622	1.22792	-0.8846	0.376371	0.981636	chr6	3098302	3098762	+	0	NA	intron (	L1M5|LIN	-19844	NR_02664	670	Hs.10136	NM_00433	ENSG0000	BPHL	BPH-RP|M	biphenyl	protein-coding
chr1-9871	6.667693	0.811005	0.916816	0.884589	0.376379	0.981636	chr1	98711816	98712259	+	0	NA	intron (	Tigger1|	50316	NM_001364	51375	Hs.19701	NM_01597	ENSG0000	SNX7	-	sorting	protein-coding
chr16-68	6.667693	0.811005	0.916816	0.884589	0.376379	0.981636	chr16	68060804	68061039	+	0	NA	intron (	intron (	-24449	NM_17316	4775	Hs.43658	NM_00455	ENSG0000	NFATC3	NF-AT4c|	nuclear	protein-coding
chr16-69	6.855895	-0.80212	0.906816	-0.88455	0.3764	0.981636	chr16	69575438	69575713	+	0	NA	intron (	AluJb|SI	9609	NM_13871	10725	Hs.371987	NM_00659	ENSG0000	NFAT5	NF-AT5|N	nuclear	protein-coding
chr4-139	6.855895	-0.80212	0.906816	-0.88455	0.3764	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (	Tigger3a|	29550	NM_00130	80854	Hs.48079	NM_03064	ENSG0000	SETD7	KMT7|SET7	SET domai	protein-coding
chr7-436	6.855895	-0.80212	0.906816	-0.88455	0.3764	0.981636	chr7	43603118	43603589	+	0	NA	intron (	intron (	20245	NM_00476	9263	Hs.70948	NM_00476	ENSG0000	STK17A	DRAK1	serine/t	protein-coding
chr1-3841	4.9815	0.933113	1.05523	0.884275	0.376548	0.981636	chr1	3841264	3842153	+	0	NA	intron (	intron (	15503	NM_014704	9731	Hs.13308	NM_014704	ENSG0000	CEP104	CFAP256|	centroso	protein-coding
chr15-74	4.9815	0.933113	1.05523	0.884275	0.376548	0.981636	chr15	74633839	74634257	+	0	NA	intron (	MIR3|SIN	19054	NM_00113	1198	Hs.51179	NM_00129	ENSG0000	CLK3	PHCLK3|P	CDC like	protein-coding
chr3-1291	4.9815	0.933113	1.05523	0.884275	0.376548	0.981636	chr3	12919866	12920740	+	0	NA	intron (	intron (	-35092	NR_13618	1.05E+08	Hs.56117	NR_13618	ENSG0000	LINC0202	-	long int	ncRNA
chr7-1177	6.710683	0.825445	0.933523	0.884226	0.376574	0.981636	chr7	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	115741	NM_00136	83992	Hs.59228	NM_033427	ENSG0000	CTTNBP2	C7orf8|C	cortacti	protein-coding
chr12-10	5.648539	-0.869	0.983147	-0.88389	0.376753	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	TTS (NM_	TTS (NM_	10352	NM_00682	10970	Hs.74368	NM_00682	ENSG0000	CKAP4	CLIMP-63|	cytoskel	protein-coding
chr12-11	5.648539	-0.869	0.983147	-0.88389	0.376753	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	30487	NM_00103	4939	Hs.41433	NM_00253	ENSG0000	OAS2	-	2’-5’-oli	protein-coding
chr2-232	5.648539	-0.869	0.983147	-0.88389	0.376753	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (	AluJo|SI	-24263	NM_00117	3769	Hs.46733	NM_00224	ENSG0000	KCNJ13	KIR1.4|KI	potassiu	protein-coding
chr6-1177	5.648539	-0.869	0.983147	-0.88389	0.376753	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	29169	NM_13845	116150	Hs.28900	NM_13845	ENSG0000	NUS1	C6orf68|	NUS1 deh	protein-coding
chr17-75	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr17	75228912	75229360	+	0	NA	intron (	intron (	23457	NM_02484	79902	Hs.362817	NM_02484	ENSG0000	NUP85	FROUNT|N	nucleopo	protein-coding
chr20-38	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr20	389356	389609	+	0	NA	intron (	intron (	8139	NM_001301	57761	Hs.51682	NM_02115	ENSG0000	TRIB3	C20orf97|	tribbles	protein-coding
chr3-471	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr3	47102111	47102892	+	0	NA	intron (	intron (	61476	NM_01415	29072	Hs.517941	NM_012271	ENSG0000	SETD2	HBP231|HI	SET domai	protein-coding
chr4-1254	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (	THE1C-int	-83501	NR_03174	1E+08		NR_03174	ENSG0000	MIR2054	hsa-mir-	microRNA	ncRNA
chr5-811	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr5	81127149	81128413	+	0	NA	intron (	AluSx|SI	-105539	NM_00182	1160	Hs.80691	NM_00182	ENSG0000	CKMT2	SMTCK	creatine	protein-coding
chr7-1347	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	18769	NM_03313	800	Hs.49020	NM_00434	ENSG0000	CALD1	CDM|H-CA	caldesmo	protein-coding
chr8-103	6.922458	-0.79002	0.894001	-0.88369	0.376866	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	Intergeni	L1MB5|LI	15975	NM_00125	115908	Hs.405614	NM_13845	ENSG0000	CTHRC1	-	collagen	protein-coding
chr1-112	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	15471	NM_00136	4343	Hs.514941	NM_02096	ENSG0000	MOV10	fSAP113|	Mov10 RI	protein-coding
chr1-1504	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-1629	NR_10693	1.02E+08		NR_10693	ENSG0000	MIR6878	hsa-mir-	microRNA	ncRNA
chr1-180	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	4006	NM_02095	57710	Hs.73481	NM_02095	ENSG0000	KIAA1614	-	KIAA1614	protein-coding
chr1-232	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (	L1MDa|LI	22748	NR_138027	84284	Hs.64271	NM_032324	ENSG0000	NTPCR	C1orf57|	nucleosi	protein-coding
chr11-79	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr11	799402	803299	+	0	NA	exon (NM_	exon (NM_	-3069	NM_001191	79751	Hs.99486	NM_02469	ENSG0000	SLC25A22	EIEE3|GC-	solute c	protein-coding
chr15-89	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr15	89833378	89834249	+	0	NA	non-codi	non-codi	16908	NR_049817	1.01E+08		NR_049817	ENSG0000	MIR5094	-	microRNA	ncRNA
chr2-2627	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr2	26277407	26279396	+	0	NA	intron (	intron (	33462	NM_001281	3032	Hs.51584	NM_00018	ENSG0000	HADHB	ECHB|MST	hydroxya	protein-coding
chr2-7027	8.938762	0.69481	0.786569	0.883343	0.377051	0.981636	chr2	70275272	70277543	+	0	NA	intron (	AluYk4|SI	16817	NM_001317	6637	Hs.465167	NM_00309	ENSG0000	SNRPG	SMG|Sm-G	small nuc	protein-coding
chr17-48	10.25638	-0.67187	0.760737	-0.88318	0.377137	0.981636	chr17	48846024	48846244	+	0	NA	intron (	AluSz6|SI	15099	NM_001261	10241	Hs.51492	NM_005831	ENSG0000	CALCOCO2	NDP52	calcium	protein-coding
chr5-804	6.830471	-0.81023	0.917498	-0.88308	0.377191	0.981636	chr5	80483605	80484022	+	0	NA	TTS (NR_1	TTS (NR_1	-4287	NM_20554	167555	Hs.33818	NM_20554	ENSG0000	FAM151B	UNQ9217	family wi	protein-coding
chr2-113	8.663842	-0.71023	0.80434	-0.883	0.377237	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	non-codi	non-codi	19444	NM_01395	7849	Hs.46972	NM_00346	ENSG0000	PAX8	-	paired b	protein-coding
chr1-235	11.19411	0.629176	0.71267	0.882843	0.377321	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	exon (NM_	exon (NM_	86072	NM_00250	4811	Hs.356624	NM_00250	ENSG0000	NID1	NID	nidogen 1	protein-coding
chr12-284	11.19411	0.629176	0.71267	0.882843	0.377321	0.981636	chr12	284527	285839	+	0	NA	3’ UTR (	3’ UTR (	-22310	NM_00119	6540	Hs.50439	NM_01661	ENSG0000	SLC6A13	GAT-2|GA	solute c	protein-coding
chr2-926	11.70827	0.612594	0.693915	0.882808	0.37734	0.981636	chr2	92624184	92625662	+	0	NA	Intergeni	ALR/Alph	683790	NR_027714	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B p	pseudo
chr3-3314	10.19308	0.679957	0.770273	0.882748	0.377372	0.981636	chr3	33142399	33143527	+	0	NA	3’ UTR (	3’ UTR (	29005	NM_006371	10491	Hs.51788	NM_006371	ENSG0000	CRTAP	CASP|LEP	cartilag	protein-coding
chr1-183	6.724549	0.806573	0.913774	0.882683	0.377407	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (	L1MEd|LI	105756	NM_001297	23179	Hs.49714	NM_01514	ENSG0000	RGL1	RGL	ral guani	protein-coding
chr1-218	6.724549	0.806573	0.913774	0.882683	0.377407	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (	MER52D|LT	-21783	NR_13814	7042	Hs.13337	NM_00323	ENSG0000	TGFB2	G-TSF|LD	transfor	protein-coding
chr15-561	6.724549	0.806573	0.913774	0.882683	0.377407	0.981636	chr15	56100862	56101964	+	0	NA	exon (NM_	exon (NM_	88519	NM_00137	64864	Hs.74508	NM_022841	ENSG0000	RFX7	RFXDC2	regulato	protein-coding
chr2-995	6.724549	0.806573	0.913774	0.882683	0.377407	0.981636	chr2	99586218	99586942	+	0	NA	intron (	intron (	-96563	NR_135652	51455	Hs.443077	NM_01631	ENSG0000	REV1	AIBP80|R	REV1 DNA	protein-coding
chr8-1444	6.724549	0.806573	0.913774	0.882683	0.377407	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	-7079	NM_01343	4796	Hs.67528	NM_01343	ENSG0000	TONSL	IKBR|NFK	tonsoku l	protein-coding
chr10-427	10.35022	-0.64946	0.736091	-0.88231	0.37761	0.981636	chr10	42796434	42796746	+	0	NA	exon (NM_	exon (NM_	13795	NM_01475	9790	Hs.10848	NM_01475	ENSG0000	BMS1	ACC|BMS1	BMS1 rib	protein-coding
chr4-129	10.35022	-0.64946	0.736091	-0.88231	0.37761	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (	LTR14C|LT	12106	NM_00130	132320	Hs.65469	NM_14464	ENSG0000	SCLT1	CAP-1A|C	sodium c	protein-coding
chr6-111	10.35022	-0.64946	0.736091	-0.88231	0.37761	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	107702	NM_15336	91749	Hs.40057	NM_15336	ENSG0000	MFSD4B	KIAA1919|	major fa	protein-coding
chr10-894	8.640268	-0.70599	0.800203	-0.88227	0.377631	0.981636	chr10	89417320	89418672	+	0	NA	exon (NM_	exon (NM_	3428	NM_01242	24138	Hs.25283	NM_01242	ENSG0000	IFIT5	ISG58|P5	interfer	protein-coding
chr19-32	8.640268	-0.70599	0.800203	-0.88227	0.377631	0.981636	chr19	32626733	32627038	+	0	NA	intron (	intron (	-18416	NR_14571	1.1E+08		NR_14571	ENSG0000	SNORA68B	-	small nuc	snoRNA
chr3-1254	8.640268	-0.70599	0.800203	-0.88227	0.377631	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	40498	NM_003794	8723	Hs.50724	NM_003794	ENSG0000	SNX4	ATG24B	sorting	protein-coding
chr4-675	8.640268	-0.70599	0.800203	-0.88227	0.377631	0.981636	chr4	67532852	67534801	+	0	NA	intron (	AluJr4|SI	11677	NM_00181	1060	Hs.479867	NM_00181	ENSG0000	CENPC	CENP-C|C	centrome	protein-coding
chr1-393	10.29152	-0.65856	0.746521	-0.88218	0.377681	0.981636	chr1	39388019	39388399	+	0	NA	exon (NM_	exon (NM_	-20864	NM_01503	643314	Hs.65876	NM_01503	ENSG0000	KIAA0754	-	KIAA0754	protein-coding
chr1-117	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (	MER74B|LT	27922	NM_01768	54834	Hs.31080	NM_01768	ENSG0000	GDAP2	MACROD3|	gangliosi	protein-coding
chr19-49	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr19	4956015	4956448	+	0	NA	intron (	AluJr|SI	-12882	NM_01501	23030	Hs.65481	NM_01501	ENSG0000	KDM4B	JMJD2B|T	lysine d	protein-coding
chr20-621	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr20	62195136	62195905	+	0	NA	intron (	intron (	12495	NM_01566	26164	Hs.34063	NM_01566	ENSG0000	MTG2	GTPBP5|O	mitochon	protein-coding
chr4-554	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr4	55409709	55410317	+	0	NA	intron (	intron (	14056	NM_01847	55858	Hs.47976	NM_01847	ENSG0000	TMEM165	CDG2K|FT	transmem	protein-coding
chr5-135	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (	Charlie2	37328	NM_13860	9555	Hs.42027	NM_00489	ENSG0000	H2AFY	H2A.y|H2	H2A hist	protein-coding
chr6-1444	5.640681	-0.86691	0.983097	-0.88182	0.377875	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	86122	NR_13277	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr21-44	8.375611	0.723463	0.820629	0.881596	0.377995	0.981636	chr21	44063849	44064332	+	0	NA	intron (	intron (	-10234	NM_001351	7109	Hs.126221	NM_003274	ENSG0000	TRAPPC10	EHOC-1|E	trafficki	protein-coding
chr17-827	7.912304	0.764129	0.867185	0.88116	0.378231	0.981636	chr17	82726656	82726890	+	0	NA	intron (	intron (	-8842	NM_02215	64122	Hs.15113	NM_02215	ENSG0000	FN3K	-	fructosa	protein-coding
chr19-12	7.912304	0.764129	0.867185	0.88116	0.378231	0.981636	chr19	12678994	12679517	+	0	NA	intron (	AluJr|SI	1956	NM_00120	1725	Hs.79064	NM_00193	ENSG0000	DHPS	DHS|DS|MI	deoxyhyp	protein-coding
chr15-631	10.31694	-0.65336	0.741793	-0.88078	0.378435	0.981636	chr15	63127373	63128482	+	0	NA	intron (	intron (	6066	NM_00128	114294	Hs.41038	NM_032857	ENSG0000	LACTB	G24|MRPL	lactamas	protein-coding
chr16-821	9.880906	-0.6756	0.767086	-0.88073	0.378464	0.981636	chr16	82167548	82167747	+	0	NA	intron (	MER1A|DN	2577	NM_005792	10200	Hs.34440	NM_005792	ENSG0000	MPHOSPH6	MPP|MPP-	M-phase	protein-coding
chr20-284	23.67223	0.452375	0.513712	0.8806	0.378534	0.981636	chr20	28480930	28481453	+	0	NA	Intergeni	ALR/Alph	121474	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr9-101	8.932754	0.706847	0.803079	0.88017	0.378767	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	6932	NM_019592	56254	Hs.72908	NM_019592	ENSG0000	RNF20	BRE1|BRE1	ring fin	protein-coding
chr1-433	10.39922	-0.64798	0.736194	-0.88017	0.378767	0.981636	chr1	43383193	43383712	+	0	NA	TTS (NM_	TTS (NM_	6348	NM_001001	112950	Hs.30175	NM_052877	ENSG0000	MED8	ARC32	mediator	protein-coding
chr1-230	7.238703	0.765989	0.870598	0.879841	0.378945	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (	intron (	137607	NM_004481	2590	Hs.743964	NM_004481	ENSG0000	GALNT2	GalNAc-T	polypepti	protein-coding
chr15-56	7.238703	0.765989	0.870598	0.879841	0.378945	0.981636	chr15	56954824	56955249	+	0	NA	intron (	L1PA6|LI	35591	NM_001322	6938	Hs.511504	NM_00320	ENSG0000	TCF12	CRS3|HEB|	transcri	protein-coding
chr4-989	7.238703	0.765989	0.870598	0.879841	0.378945	0.981636	chr4	98925730	98926289	+	0	NA	intron (	AluJr|SI	3124	NM_00113	1977	Hs.13211	NM_00196	ENSG0000	EIF4E	AUTS19|C	eukaryoti	protein-coding
chr6-1107	7.238703	0.765989	0.870598	0.879841	0.378945	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (	MER11A|LT	-71940	NM_001287	262	Hs.15911	NM_001634	ENSG0000	AMD1	ADOMETDC|	adenosyl	protein-coding
chrX-1084	7.238703	0.765989	0.870598	0.879841	0.378945	0.981636	chrX	1.08E+08	1.08E+08	+	0	NA	intron (	HERVL-int	41879	NM_00049	1287	Hs.36908	NM_00049	ENSG0000	COL4A5	ASLN|ATS|	collagen	protein-coding
chr1-1611	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	TTS (NM_	TTS (NM_	4218	NM_00136	5498	Hs.51737	NM_00030	ENSG0000	PPOX	PPO|V290	protopor	protein-coding
chr17-80	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr17	80241368	80242944	+	0	NA	intron (	AluSx|SI	-18696	NM_00125	57674	Hs.19564	NM_020914	ENSG0000	RNF213	AL017|C17	ring fin	protein-coding
chr19-26	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr19	26826473	26827436	+	0	NA	Intergeni	ALR/Alph	-966477	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr3-757	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr3	75755927	75758925	+	0	NA	intron (	Tigger1|	19146	NR_03623	1E+08		NR_03623	ENSG0000	MIR4273	-	microRNA	ncRNA
chr7-129	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (	Tigger1|	45383	NM_00104	4899	Hs.65436	NM_005011	ENSG0000	NRF1	ALPHA-PA	nuclear	protein-coding
chr8-1411	8.972044	0.697334	0.792576	0.879832	0.37895	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	32021	NR_148197	22898	Hs.18166	NM_014957	ENSG0000	DENND3	-	DENN dom	protein-coding
chr5-3241	11.12755	0.624934	0.710347	0.879759	0.37899	0.981636	chr5	32417475	32417904	+	0	NA	non-codi	non-codi	-23214	NR_03030	693164		NR_03030	ENSG0000	MIR579	MIRN579|	microRNA	ncRNA
chr17-47	6.657986	0.80019	0.909581	0.879735	0.379003	0.981636	chr17	47354407	47354618	+	0	NA	intron (	L1PBa|LI	30557	NM_152347	124989	Hs.46330	NM_152347	ENSG0000	EFCAB13	C17orf57	EF-hand	protein-coding
chr2-128	6.657986	0.80019	0.909581	0.879735	0.379003	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	7052	NR_027671	56886	Hs.74330	NM_02012	ENSG0000	UGGT1	HUGT1|UG	UDP-gluc	protein-coding
chr3-2391	6.657986	0.80019	0.909581	0.879735	0.379003	0.981636	chr3	23910567	23910766	+	0	NA	intron (	intron (	-5879	NM_00125	6138	Hs.38121	NM_00294	ENSG0000	RPL15	DBA12|EC	ribosomal	protein-coding
chr6-1361	6.657986	0.80019	0.909581	0.879735	0.379003	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	3’ UTR (	3’ UTR (	58460	NM_13841	113115	Hs.12153	NM_13841	ENSG0000	MTFR2	DUFD1|FA	mitochon	protein-coding
chr9-100	6.657986	0.80019	0.909581	0.879735	0.379003	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (	intron (	72840	NM_015051	23071	Hs.15402	NM_015051	ENSG0000	ERP44	PDIA10|T	endoplas	protein-coding
chr21-391	8.573705	-0.7155	0.813486	-0.87955	0.379104	0.981636	chr21	39174100	39174325	+	0	NA	TTS (NM_	TTS (NM_	9239	NM_00372	8624	Hs.47383	NM_00372	ENSG0000	PSMG1	C21LRP|D	proteaso	protein-coding
chr16-224	12.5452	-0.59254	0.673713	-0.87952	0.37912	0.981636	chr16	22465886	22466310	+	0	NA	intron (	intron (	-28383	NR_02746	1E+08	Hs.70957	NR_027460		RRN3P3	-	RRN3 hom	pseudo
chr16-47	8.90548	0.692253	0.787361	0.879207	0.379289	0.981636	chr16	47511855	47512638	+	0	NA	intron (	L4_C_Mam|	50915	NM_001031	5257	Hs.78060	NM_00029	ENSG0000	PHKB	-	phosphor	protein-coding
chr12-10	6.650128	0.802686	0.913017	0.879157	0.379316	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (	L1MB3|LI	-17269	NR_03899	1E+08	Hs.66099	NR_038996		USP30-AS1	-	USP30 ant	ncRNA
chr19-34	6.650128	0.802686	0.913017	0.879157	0.379316	0.981636	chr19	34215397	34215812	+	0	NA	exon (NM_	exon (NM_	-38950	NM_01468	9710	Hs.33007	NM_01468	ENSG0000	KIAA0355	-	KIAA0355	protein-coding
chr2-744	6.650128	0.802686	0.913017	0.879157	0.379316	0.981636	chr2	74429126	74430261	+	0	NA	intron (	intron (	7963	NM_00132	84058	Hs.64348	NM_03211	ENSG0000	WDR54	-	WD repeat	protein-coding
chr5-122	6.650128	0.802686	0.913017	0.879157	0.379316	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	-26007	NR_14614	28966	Hs.48320	NM_01403	ENSG0000	SNX24	PRO1284|	sorting	protein-coding
chr10-217	6.881319	-0.79422	0.903522	-0.87903	0.379387	0.981636	chr10	21740276	21740753	+	0	NA	intron (	intron (	206342	NM_00119	8028	Hs.30385	NM_004641	ENSG0000	MLLT10	AF10	MLLT10 hi	protein-coding
chr15-72	6.881319	-0.79422	0.903522	-0.87903	0.379387	0.981636	chr15	72225457	72225789	+	0	NA	intron (	L1ME3Cz|	4288	NM_00120	5315	Hs.53477	NM_002654	ENSG0000	PKM	CTHBP|HE	pyruvate	protein-coding
chr6-130	6.881319	-0.79422	0.903522	-0.87903	0.379387	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (	LTR33|LT	69661	NM_00119	1.01E+08	Hs.38871	NM_00119	ENSG0000	SMLR1	-	small le	protein-coding

chr14-100	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	non-codin	non-codin	-2343	NR_030528	768222		NR_030528	ENSG00000	MIR770	MIRN770|	microRNA	ncRNA
chr17-394	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr17	39477761	39478734	+	0	NA	intron (N	AluSx|SIN	16761	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr2-3721	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr2	37219715	37220187	+	0	NA	intron (N	intron (N	11645	NM_005760	10153	Hs.135406	NM_005760	ENSG00000	CEBPZ	CBF|CBF2|	CCAAT enh	protein-coding
chr5-1405	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1742	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-7567	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr6	75671810	75672459	+	0	NA	intron (N	intron (N	70254	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSP	SUMO spec	protein-coding
chr6-1335	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	287469	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr6-1445	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	166716	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chrX-1543	5.673962	-0.85952	0.97805	-0.87881	0.379506	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	6275	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr1-2308	13.95391	0.568345	0.647155	0.87822	0.379824	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	2026	NM_001136	84886	Hs.520494	NM_032800	ENSG00000	C1orf198	-	chromosom	protein-coding
chr20-519	5.615257	-0.8768	0.998511	-0.8781	0.379888	0.981636	chr20	5195254	5195698	+	0	NA	3’ UTR (N	3’ UTR (N	68468	NM_003818	8760	Hs.126857	NM_003818	ENSG00000	CDS2	-	CDP-diacy	protein-coding
chr1-1543	11.6907	0.607712	0.692647	0.877376	0.380282	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluJr|SIN	3605	NM_001367	57198	Hs.435700	NM_020452	ENSG00000	ATP8B2	ATPID	ATPase ph	protein-coding
chr19-185	7.246561	0.763684	0.870694	0.877098	0.380434	0.981636	chr19	18568522	18569221	+	0	NA	3’ UTR (N	3’ UTR (N	-2859	NM_001321	7311	Hs.5308	NM_003333	ENSG00000	UBA52	CEP52|HUB	ubiquitin	protein-coding
chr10-984	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr10	98402018	98403070	+	0	NA	intron (N	intron (N	-7237	NR_031619	1E+08		NR_031619	ENSG00000	MIR1287	MIRN1287|	microRNA	ncRNA
chr10-119	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	61139	NR_039829	1.01E+08		NR_039829	ENSG00000	MIR4681	-	microRNA	ncRNA
chr13-491	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr13	49115394	49116856	+	0	NA	intron (N	L2b|LINE|	5808	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr13-113	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	29626	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr17-164	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr17	16432813	16433367	+	0	NA	intron (N	AluSq2|SI	-5897	NR_045025	125144	Hs.368934	NM_152350	ENSG00000	SNHG29	C17orf45|	small nuc	ncRNA
chr20-370	6.9146	-0.78817	0.89883	-0.87689	0.380547	0.981636	chr20	37059386	37060665	+	0	NA	intron (N	AluSp|SIN	35972	NM_001323	5933	Hs.207745	NM_002895	ENSG00000	RBL1	CP107|PRE	RB transc	protein-coding
chr16-236	9.486197	0.672854	0.767374	0.876827	0.38058	0.981636	chr16	23620633	23621287	+	0	NA	intron (N	AluSz|SIN	20397	NM_024675	79728	Hs.444664	NM_024675	ENSG00000	PALB2	FANCN|PNC	partner a	protein-coding
chr22-318	9.486197	0.672854	0.767374	0.876827	0.38058	0.981636	chr22	31845147	31845634	+	0	NA	intron (N	intron (N	91367	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr1-2790	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr1	27901578	27902155	+	0	NA	intron (N	AluJr|SIN	12709	NM_002946	6118	Hs.79411	NM_002946	ENSG00000	RPA2	REPA2|RP-	replicati	protein-coding
chr10-499	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr10	49960604	49962265	+	0	NA	intron (N	intron (N	7222	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr10-679	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr10	67959668	67961066	+	0	NA	intron (N	intron (N	50516	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-686	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr10	68682949	68683771	+	0	NA	intron (N	AluY|SINE	-37879	NM_018237	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr11-173	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr11	17311500	17312769	+	0	NA	intron (N	intron (N	35164	NM_001352	4925	Hs.654599	NM_005013	ENSG00000	NUCB2	HEL-S-109	nucleobin	protein-coding
chr12-781	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr12	78148996	78149949	+	0	NA	intron (N	intron (N	210274	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-950	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr12	95027179	95029383	+	0	NA	intron (N	L1MB7|LIN	-24568	NM_001258	55967	Hs.506374	NM_018838	ENSG00000	NDUFA12	B17.2|DAP	NADH:ubic	protein-coding
chr13-110	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	5895	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr19-527	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr19	52771920	52772398	+	0	NA	intron (N	AluSp|SIN	14632	NM_001321	162966	Hs.696848	NM_198457	ENSG00000	ZNF600	KR-ZNF1	zinc fing	protein-coding
chr2-1829	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-72273	NM_001463	2487	Hs.128453	NM_001463	ENSG00000	FRZB	FRE|FRITZ	frizzled	protein-coding
chr20-506	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr20	50682304	50684053	+	0	NA	intron (N	intron (N	8364	NR_110890	140876	Hs.372578	NM_080829	ENSG00000	RIPOR3	C20orf175	RIPOR fam	protein-coding
chr5-3696	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr5	36961672	36962730	+	0	NA	exon (NM_	exon (NM_	85432	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr7-1433	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	TTS (NR_1	TTS (NR_1	739	NR_106952	1.02E+08		NR_106952	ENSG00000	MIR6892	hsa-mir-6	microRNA	ncRNA
chr9-1151	5.666104	-0.85744	0.977999	-0.87673	0.380631	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	L2a|LINE|	9148	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|	tenascin	protein-coding
chr1-3785	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr1	37855340	37855539	+	0	NA	intron (N	L3|LINE|C	4153	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr11-103	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	12941	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr12-462	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr12	46204829	46207575	+	0	NA	intron (N	intron (N	60314	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr13-770	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr13	77009340	77010770	+	0	NA	intron (N	L1PA7|LIN	17104	NM_012158	26224	Hs.508284	NM_012158	ENSG00000	FBXL3	FBL3|FBL3	F-box anc	protein-coding
chr13-770	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr13	77087138	77087803	+	0	NA	intron (N	intron (N	11956	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr19-832	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr19	8322480	8324480	+	0	NA	TTS (NM_0	TTS (NM_0	1984	NM_001031	6234	Hs.153177	NM_001031	ENSG00000	RPS28	DBA15|S28	ribosomal	protein-coding
chr2-2349	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	L1MB2|LIN	5887	NM_001371302								
chr5-1674	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr5	16747574	16747803	+	0	NA	intron (N	AluSc8|SI	-130630	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-5292	8.63241	-0.70453	0.803657	-0.87666	0.380674	0.981636	chr5	52927805	52928114	+	0	NA	intron (N	MLT1A0|LT	-61393	NM_002203	3673	Hs.482077	NM_002203	ENSG00000	ITGA2	BR|CD49B|	integrin	protein-coding
chr2-1732	5.15565	-0.93658	1.068369	-0.87665	0.380678	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	MLT1L|LTR	17998	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr14-311	8.599129	-0.70925	0.809177	-0.87651	0.380756	0.981636	chr14	31155596	31157393	+	0	NA	intron (N	AluSx|SIN	51299	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr5-4841	15.62855	0.54688	0.624139	0.876216	0.380913	0.981636	chr5	48414003	48414324	+	0	NA	Intergeni	ALR/Alpha	2027125	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2484	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr1	24844735	24845660	+	0	NA	TTS (NM_0	TTS (NM_0	74219	NR_106789	1.02E+08		NR_106789	ENSG00000	MIR6731	hsa-mir-6	microRNA	ncRNA
chr1-5181	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr1	51817010	51817822	+	0	NA	intron (N	intron (N	18986	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr10-215	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr10	21586728	21587233	+	0	NA	intron (N	intron (N	52808	NM_001195	8028	Hs.30385	NM_004641	ENSG00000	MLLT10	AF10	MLLT10 hi	protein-coding
chr10-721	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr10	72183519	72184341	+	0	NA	intron (N	AluSx|SIN	32026	NM_001369	51008	Hs.500007	NM_015947	ENSG00000	ASCC1	ASC1p50|	activatin	protein-coding
chr10-737	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr10	73775562	73776311	+	0	NA	3’ UTR (N	3’ UTR (N	3645	NM_001284	170384	Hs.588854	NM_173540	ENSG00000	FUT11	FUCTXI	fucosyltr	protein-coding
chr12-781	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr12	78141184	78141919	+	0	NA	intron (N	intron (N	218195	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr13-730	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr13	73064028	73065336	+	0	NA	intron (N	AluSg|SIN	5677	NM_001730	688	Hs.508234	NM_001730	ENSG00000	KLF5	BTEB2|CKL	Kruppel l	protein-coding
chr17-758	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr17	7589040	7589719	+	0	NA	exon (NM_	exon (NM_	715	NM_006942	6665	Hs.95582	NM_006942	ENSG00000	SOX15	SOX20|SOX	SRY-box t	protein-coding
chr2-1117	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-3760	NR_039929	1.01E+08		NR_039929	ENSG00000	MIR4771-2	-	microRNA	ncRNA
chr2-2082	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	3531	NM_001282	3417	Hs.593422	NM_005896	ENSG00000	IDH1	HEL-216|H	isocitrat	protein-coding
chr2-2185	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluYb9|SI	6615	NM_001271	9125	Hs.148767	NM_005444	ENSG00000	CNOT9	CAF40|CT1	CCR4-NOT	protein-coding
chr3-3142	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr3	3142321	3142758	+	0	NA	intron (N	intron (N	15599	NR_159940	51095	Hs.732725	NM_016000	ENSG00000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr5-5366	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr5	53661596	53661961	+	0	NA	intron (N	L1PA4|LIN	101139	NR_134474	4724	Hs.528222	NM_002495	ENSG00000	NDUFS4	AQDQ|CI-1	NADH:ubic	protein-coding
chr5-5688	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr5	56889735	56890414	+	0	NA	intron (N	L2c|LINE|	-19186	NR_136556	133383	Hs.85950	NM_153706	ENSG00000	SETD9	C5orf35	SET domai	protein-coding
chr8-1233	5.632823	-0.86487	0.987393	-0.87591	0.381079	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-21158	NR_030382	693130		NR_030382	ENSG00000	MIR548D1	MIRN548D1	microRNA	ncRNA
chr1-2488	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (N	intron (N	7996	NM_024836	79894	Hs.521151	NM_024836	ENSG00000	ZNF672	-	zinc fing	protein-coding
chr11-520	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr11	52014757	52015225	+	0	NA	Intergeni	ALR/Alpha	1605844	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-740	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr11	74073139	74074414	+	0	NA	intron (N	Charlie4a	-64539	NM_022803	7352	Hs.101337	NM_003356	ENSG00000	UCP3	SLC25A9	uncouplin	protein-coding
chr12-885	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr12	88504541	88507675	+	0	NA	intron (N	intron (N	74363	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligan	protein-coding
chr12-132	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-4379	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr14-907	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr14	90767497	90768582	+	0	NA	intron (N	L1M4c|LIN	48378	NM_001320	145567	Hs.655697	NM_001010	ENSG00000	TTC7B	TTC7L1|c1	tetratric	protein-coding
chr15-658	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr15	65896864	65898592	+	0	NA	3’ UTR (N	3’ UTR (N	28237	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr15-727	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr15	72736780	72737892	+	0	NA	intron (N	intron (N	-45499	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr2-6144	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr2	61449034	61449361	+	0	NA	intron (N	intron (N	21890	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr2-9860	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr2	98600211	98601845	+	0	NA	intron (N	AluSg|SIN	7484	NM_001008	493753	Hs.596537	NM_001008	ENSG00000	COA5	6330578E1	cytochrom	protein-coding
chr6-3212	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr6	32121340	32122222	+	0	NA	intron (N	intron (N	6465	NM_001136	1388	Hs.42853	NM_004381	ENSG00000	ATF6B	CREB-RP|	activatin	protein-coding
chr6-1113	7.213279	0.760623	0.868585	0.875703	0.381191	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L1M1|LINE	-100726	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr8-1937	6.453144	-0.84182	0.961458	-0.87556	0.381267	0.981636	chr8	19373257	19373573	+	0	NA	intron (N	(TA)n|Sim	59439	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr5-1387	12.52949	-0.59052	0.67473	-0.87519	0.38147	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	L1MC4|LIN	-24385	NR_134244	1.05E+08	Hs.445981	NR_134244	ENSG00000	LOC105379	-	uncharact	ncRNA
chr1-1481	8.889765	0.695948	0.795678	0.87466	0.381759	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	TTS (NR_1	TTS (NR_1	34547	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr6-3731	9.460774	0.668622	0.764562	0.874517	0.381837	0.981636	chr6	37315965	37316164	+	0	NA	intron (N	intron (N	-37919	NM_183078	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr1-9722	8.913338	0.690365	0.789651	0.874265	0.381974	0.981636	chr1	9722405	9724133	+	0	NA	exon (NM_	exon (NM_	31802	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr15-514	8.913338	0.690365	0.789651	0.874265	0.381974	0.981636	chr15	51459325	51459546	+	0	NA	intron (N	intron (N	82189	NM_001330	342035	Hs.526441	NM_181789	ENSG00000	GLDN	CLOM|COLM	gliomedin	protein-coding
chr15-286	8.41675	0.723965	0.828153	0.874192	0.382013	0.981636	chr15	28664358	28664621	+	0	NA	intron (N	intron (N	10047	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr16-275	8.41675	0.723965	0.828153	0.874192	0.382013	0.981636	chr16	27522290	27522499	+	0	NA	intron (N	L1MB8|LIN	27519	NM_001520	2975	Hs.371718	NM_001520	ENSG00000	GTF3C1	TFIIIC|TF	general t	protein-coding
chr9-1140	8.41675	0.723965	0.828153	0.874192	0.382013	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	MER5A|DNA	41293	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr11-526	3.735039	1.051322	1.202756	0.874094	0.382067	0.981636	chr11	52622071	52622576	+	0	NA	Intergeni	ALR/Alpha	1981675	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr6-4318	8.94662	0.692887	0.793238	0.873492	0.382395	0.981636	chr6	43187462	43188807	+	0	NA	intron (N	intron (N	5938	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr6-1600	8.94662	0.692887	0.793238	0.873492	0.382395	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-19488	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr1-1648	6.665843	0.797588	0.913137	0.87346	0.382412	0.981636	chr1	1.65E+08	1.65E+08	+	0	NA	intron (N	intron (N	-33111	NR_038072	1.01E+08	Hs.661039	NR_038072	ENSG00000	LOC100505	-	uncharact	ncRNA
chr12-193	6.665843	0.797588	0.913137	0.87346	0.382412	0.981636	chr12	19377787	19378232	+	0	NA	Intergeni	AluY|SINE	-61483	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr14-583	6.665843	0.797588	0.913137	0.87346	0.382412	0.981636	chr14	58382716	58382943	+	0	NA	Intergeni	AluY|SINE	-13101	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr2-1975	3.924721	-1.07109	1.226397	-0.87337	0.382463	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	THE1B-int	58007	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr4-8305	8.475456	0.731291	0.837335	0.873354	0.38247	0.981636	chr4	83050089	83050466	+	0	NA	intron (N	L2a|LINE|	15094	NM_001330	51138	Hs.190384	NM_016129	ENSG00000	COPS4	CSN4|SGN4	COP9 sign	protein-coding
chr16-162	11.64956	0.607069	0.695149	0.873294	0.382503	0.981636	chr16	16274726	16275716	+	0	NA	intron (N	intron (N	-24938	NR_128709	1.04E+08		NR_128709	ENSG00000	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr11-642	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr11	64263729	64264455	+	0	NA	exon (NM_	exon (NM_	12562	NM_000932	5331	Hs.523761	NM_000932	ENSG00000	PLCB3	-	phospholi	protein-coding
chr17-823	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr17	8233723	8236148	+	0	NA	intron (N	intron (N	-10892	NR_026951	284029	Hs.121692	NM_173621	ENSG00000	LINC00324	C17orf44|	long inte	ncRNA
chr2-2011	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	13069	NM_001206	843	Hs.5353	NM_001230	ENSG00000	CASP10	ALPS2|FLI	caspase 1	protein-coding
chr20-436	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr20	43607203	43608134	+	0	NA	intron (N	SVA_D|Ret	16731	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|	intraflag	protein-coding
chr4-1463	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	intron (N	L1P1|LINE	90065	NM_001354	345051	Hs.170876	NM_001354	ENSG00000	REELD1	-	reeler do	protein-coding
chr7-2486	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr7	24863526	24864031	+	0	NA	intron (N	MIR|SINE|	28843	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORF	oxysterol	protein-coding
chr7-1024	6.699125	0.800748	0.91707	0.873159	0.382577	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-1443	NR_039677	1.01E+08		NR_039677	ENSG00000	MIR4467	-	microRNA	ncRNA
chr1-1180	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr1	11800523	11801010	+	0	NA	intron (N	intron (N	2911	NM_001330	4524	Hs.214142	NM_005957	ENSG00000	MTHFR	-	methylene	protein-coding
chr14-742	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr14	74298001	74299615	+	0	NA	intron (N	intron (N	4126	NR_148467	5826	Hs.94395	NM_000050	ENSG00000	ABCD4	ABC41|EST	ATP bindi	protein-coding
chr15-281	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr15	28166427	28167234	+	0	NA	intron (N	L1MC4|LIN	-67515	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr15-349	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr15	34962275	34962664	+	0	NA	intron (N	intron (N	7273	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr16-195	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr16	19579352	19582170	+	0	NA	intron (N	L2c|LINE|	25058	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr17-479	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr17	47975597	47977290	+	0	NA	intron (N	AluJb|SIN	5330	NM_001278	80279	Hs.20157	NM_025197	ENSG00000	CDK5RAP3	C53|HSF-2	CDK5 regu	protein-coding
chr17-501	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr17	50116921	50117763	+	0	NA	intron (N	CpG	12818	NM_174920	201191	Hs.567769	NM_174920	ENSG00000	SAMD14	-	sterile a	protein-coding
chr18-837	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr18	8378122	8379550	+	0	NA	intron (N	intron (N	-11802	NR_024419	1E+08	Hs.666655	NR_024419	ENSG00000	LOC100192	-	uncharact	ncRNA
chr19-126	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr19	12600801	12601886	+	0	NA	intron (N	AluY|SINE	9470	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr19-375	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr19	37582734	37586186	+	0	NA	intron (N	intron (N	10286	NM_001321	51276	Hs.590944	NM_016536	ENSG00000	ZNF571	HSPC059	zinc fing	protein-coding
chr19-449	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr19	44901615	44903300	+	0	NA	intron (N	AluJb|SIN	-3339	NM_000041	348	Hs.654439	NM_000041	ENSG00000	APOE	AD2|APO-E	apolipopr	protein-coding
chr2-1592	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	MLT1G1|LT	30401	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2083	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-41371	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr2-2229	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	66203	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr20-449	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr20	44912782	44914370	+	0	NA	intron (N	AluSg|SIN	3516	NM_001124	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr7-7411	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr7	74115258	74117676	+	0	NA	intron (N	MLT1D|LTR	23250	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr8-2197	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr8	21972337	21972916	+	0	NA	intron (N	intron (N	-51508	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr9-1298	7.221137	0.758325	0.86868	0.872963	0.382683	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	16487	NM_001110	10868	Hs.5452	NM_006676	ENSG00000	USP20	LSFR3A|VI	ubiquitin	protein-coding
chr22-135	13.33206	0.575962	0.659967	0.872713	0.38282	0.981636	chr22	13517852	13518255	+	0	NA	Intergeni	ALR/Alpha	1620647	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr2-8588	10.60554	0.644334	0.738403	0.872604	0.382879	0.981636	chr2	85881946	85882152	+	0	NA	intron (N	THE1A-int	5500	NM_001354	8869	Hs.415117	NM_003896	ENSG00000	ST3GAL5	SATI|SIAT	ST3 beta-	protein-coding
chr2-3885	10.37564	-0.64431	0.738421	-0.87256	0.382905	0.981636	chr2	38858109	38858582	+	0	NA	intron (N	AluSz6|SI	17589	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr16-672	4.914937	0.92494	1.060112	0.872493	0.38294	0.981636	chr16	67255222	67255609	+	0	NA	non-codin	non-codin	6436	NR_136665	6553	Hs.439650	NM_004594	ENSG00000	SLC9A5	NHE5	solute ca	protein-coding
chr8-1856	4.914937	0.92494	1.060112	0.872493	0.38294	0.981636	chr8	18567878	18568772	+	0	NA	intron (N	intron (N	177043	NM_000015	10	Hs.2	NM_000015	ENSG00000	NAT2	AAC2|NAT-	N-acetylt	protein-coding
chr10-977	4.956076	0.925478	1.060822	0.872416	0.382982	0.981636	chr10	97756453	97757277	+	0	NA	intron (N	intron (N	15134	NM_003015	6425	Hs.279565	NM_003015	ENSG00000	SFRP5	SARP3	secreted	protein-coding
chr15-404	4.956076	0.925478	1.060822	0.872416	0.382982	0.981636	chr15	40418636	40419232	+	0	NA	3’ UTR (N	3’ UTR (N	13137	NR_148925	3712	Hs.513646	NM_002225	ENSG00000	IVD	ACAD2	isovalery	protein-coding

chr4-1541	4.956076	0.925478	1.060822	0.872416	0.382982	0.981636	chr4	154195	155969	+		0	NA	intron (N	THE1B-int	26961	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr5-1731	4.956076	0.925478	1.060822	0.872416	0.382982	0.981636	chr5	1.73E+08	1.73E+08	+		0	NA	intron (N	intron (N	18486	NM_013980	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr2-3684	7.205421	0.762973	0.874584	0.872384	0.382999	0.981636	chr2	36848746	36849807	+		0	NA	3’ UTR (N	3’ UTR (N	117260	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr3-1559	5.607399	-0.87478	1.002903	-0.87225	0.383072	0.981636	chr3	1.56E+08	1.56E+08	+		0	NA	intron (N	AluSq|SIN	41160	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr9-1308	5.607399	-0.87478	1.002903	-0.87225	0.383072	0.981636	chr9	1.31E+08	1.31E+08	+		0	NA	intron (N	intron (N	29747	NM_198180	347148	Hs.660704	NM_198180	ENSG00000	QRFP	26RFa|P51	pyrogluta	protein-coding
chr12-935	9.468632	0.66688	0.76474	0.872035	0.383189	0.981636	chr12	93574941	93575817	+		0	NA	3’ UTR (N	3’ UTR (N	2704	NM_001270	8835	Hs.485572	NM_003877	ENSG00000	SOCS2	CIS2|Cish	suppresso	protein-coding
chr16-288	9.468632	0.66688	0.76474	0.872035	0.383189	0.981636	chr16	28842590	28844775	+		0	NA	TTS (NR_0	TTS (NR_0	325	NR_039872	1.01E+08		NR_039872	ENSG00000	MIR4721	-	microRNA	ncRNA
chr11-110	8.681408	-0.7026	0.80573	-0.87201	0.383205	0.981636	chr11	1.1E+08	1.1E+08	+		0	NA	intron (N	L1PA16|LI	7774	NM_004109	2230	Hs.744	NM_004109	ENSG00000	FDX1	ADX|FDX|I	ferredoxi	protein-coding
chr8-9453	8.681408	-0.7026	0.80573	-0.87201	0.383205	0.981636	chr8	94533649	94534153	+		0	NA	intron (N	AluSz|SIN	19568	NM_015496	25962	Hs.202238	NM_015496	ENSG00000	VIRMA	KIAA1429|	vir like	protein-coding
chr2-1114	6.412004	-0.84665	0.971035	-0.87191	0.383259	0.981636	chr2	1.11E+08	1.11E+08	+		0	NA	intron (N	intron (N	20348	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr5-1764	6.412004	-0.84665	0.971035	-0.87191	0.383259	0.981636	chr5	1.76E+08	1.76E+08	+		0	NA	intron (N	intron (N	30728	NM_014613	23197	Hs.484242	NM_014613	ENSG00000	FAF2	ETEA|UBXD	Fas assoc	protein-coding
chr19-343	8.67355	-0.7012	0.804352	-0.87176	0.383341	0.981636	chr19	34371531	34371730	+		0	NA	intron (N	AluSx3|SI	6434	NM_001329	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr6-1664	8.67355	-0.7012	0.804352	-0.87176	0.383341	0.981636	chr6	1.66E+08	1.66E+08	+		0	NA	intron (N	MER34A1|L	35470	NR_046793	1.01E+08	Hs.675698	NR_046793	ENSG00000	RPS6KA2-I	-	RPS6KA2 i	ncRNA
chr9-1250	8.67355	-0.7012	0.804352	-0.87176	0.383341	0.981636	chr9	1.25E+08	1.25E+08	+		0	NA	intron (N	AluSz|SIN	-76756	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr1-2038	11.69856	0.606302	0.695606	0.871617	0.383418	0.981636	chr1	2.04E+08	2.04E+08	+		0	NA	intron (N	intron (N	8176	NM_001174	1E+08		NM_001174	ENSG00000	ZBED6	MGR	zinc fing	protein-coding
chr19-374	11.69856	0.606302	0.695606	0.871617	0.383418	0.981636	chr19	37474322	37485331	+		0	NA	intron (N	L1MEd|LIN	10255	NM_001321	148268	Hs.126962	NM_144694	ENSG00000	ZNF570	-	zinc fing	protein-coding
chr9-1110	10.30908	-0.65214	0.748374	-0.8714	0.383533	0.981636	chr9	1.11E+08	1.11E+08	+		0	NA	intron (N	L1PA7|LIN	11893	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr1-7575	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr1	75758164	75758727	+		0	NA	intron (N	MER21B|LT	-13432	NR_130749	1744	Hs.525459	NR_130749		DLSTP1	DLSTP	dihydroli	pseudo
chr10-794	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr10	79427915	79428742	+		0	NA	intron (N	L1MB3|LIN	17296	NM_153367	219654	Hs.523080	NM_153367	ENSG00000	ZCCHC24	C10orf56|	zinc fing	protein-coding
chr10-943	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr10	94340948	94342431	+		0	NA	exon (NM_	exon (NM_	21250	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10c	NOC3 like	protein-coding
chr10-996	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr10	99677844	99678454	+		0	NA	intron (N	L1ME3E|LI	18520	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr12-684	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr12	6841165	6841736	+		0	NA	intron (N	intron (N	525	NM_002075	2784	Hs.631657	NM_002075	ENSG00000	GNB3	CSNB1H	G protein	protein-coding
chr12-640	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr12	64064333	64066875	+		0	NA	intron (N	AluJr|SIN	156692	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr13-274	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr13	27433681	27434009	+		0	NA	intron (N	intron (N	9226	NM_002097	2971	Hs.445977	NM_002097	ENSG00000	GTF3A	AP2|TFIII	general t	protein-coding
chr13-101	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr13	1.01E+08	1.01E+08	+		0	NA	intron (N	intron (N	7599	NM_001271	9358	Hs.696554	NM_004791	ENSG00000	ITGBL1	OSCP|TIED	integrin	protein-coding
chr13-113	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr13	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	7937	NM_007111	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr13-113	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr13	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	11647	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr13-113	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr13	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	6918	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr14-528	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr14	52886355	52887234	+		0	NA	intron (N	intron (N	64256	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr15-487	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr15	48732046	48732853	+		0	NA	Intergeni	L1PA8A|LI	78620	NM_014985	22995	Hs.443005	NM_014985	ENSG00000	CEP152	MCPH4|MCP	centrosom	protein-coding
chr15-808	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr15	80840952	80842953	+		0	NA	TTS (NR_0	TTS (NR_0	121	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr2-1555	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr2	15552228	15552632	+		0	NA	intron (N	Tigger2a|	8904	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr2-2186	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr2	2.19E+08	2.19E+08	+		0	NA	intron (N	AluJr4|SI	5833	NM_001369	27148	Hs.471404	NM_015690	ENSG00000	STK36	FU	serine/th	protein-coding
chr3-4816	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr3	48166512	48168452	+		0	NA	intron (N	intron (N	20935	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr3-1363	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr3	1.36E+08	1.36E+08	+		0	NA	intron (N	L1M4c|LIN	72552	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr3-1461	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr3	1.46E+08	1.46E+08	+		0	NA	intron (N	intron (N	-34828	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr4-1568	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr4	15684910	15685280	+		0	NA	intron (N	Tigger9a|	3268	NM_001145	285550	Hs.399980	NM_001145	ENSG00000	FAM200B	C4orf53	family wi	protein-coding
chr4-5645	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr4	56458636	56463101	+		0	NA	3’ UTR (N	3’ UTR (N	-6749	NM_001267	6731	Hs.237825	NM_006947	ENSG00000	SRP72	BMFF|BMFS	signal re	protein-coding
chr4-8236	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr4	82367020	82370919	+		0	NA	intron (N	intron (N	5022	NM_031370	3184	Hs.480073	NM_002138	ENSG00000	HNRNPD	AUF1|AUF1	heterogen	protein-coding
chr4-1451	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr4	1.45E+08	1.45E+08	+		0	NA	intron (N	intron (N	-21130	NM_001256	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding
chr4-1867	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr4	1.87E+08	1.87E+08	+		0	NA	intron (N	intron (N	6151	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr7-6731	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr7	67312490	67314316	+		0	NA	intron (N	Tigger1|D	10765	NR_040585	64940	Hs.632013	NM_022906	ENSG00000	STAG3L4	STAG3L4P	stromal a	pseudo
chr7-1273	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr7	1.27E+08	1.27E+08	+		0	NA	intron (N	intron (N	6877	NM_176814	168850	Hs.159006	NM_176814	ENSG00000	ZNF800	-	zinc fing	protein-coding
chr8-2544	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr8	25442181	25443929	+		0	NA	intron (N	HAL1M8|LI	15378	NM_017634	54793	Hs.72071	NM_017634	ENSG00000	KCTD9	BTBD27	potassium	protein-coding
chr8-1033	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr8	1.03E+08	1.03E+08	+		0	NA	intron (N	MIRb|SINE	4223	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr8-1034	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr8	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	27252	NM_015420	25879	Hs.532265	NM_015420	ENSG00000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr8-1332	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr8	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	27552	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-1003	5.658247	-0.85534	0.982257	-0.87079	0.383866	0.981636	chr9	1E+08	1E+08	+		0	NA	intron (N	L1MEd|LIN	19677	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr7-6402	12.58819	-0.58316	0.66978	-0.87067	0.383935	0.981636	chr7	6402782	6403031	+		0	NA	3’ UTR (N	3’ UTR (N	28379	NM_006908	5879	Hs.413812	NM_006908	ENSG00000	RAC1	MIG5|MRD4	Rac famil	protein-coding
chr17-291	10.6721	0.648666	0.745444	0.870174	0.384205	0.981636	chr17	29165693	29166754	+		0	NA	exon (NM_	exon (NM_	10550	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr2-1105	10.83525	-0.62787	0.721554	-0.87017	0.38421	0.981636	chr2	1.11E+08	1.11E+08	+		0	NA	exon (NM_	exon (NM_	42064	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr1-1788	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr1	1.79E+08	1.79E+08	+		0	NA	intron (N	intron (N	61500	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr12-144	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr12	14478257	14478625	+		0	NA	exon (NM_	exon (NM_	-89291	NR_120465	1.02E+08	Hs.131933	NR_120465	ENSG00000	PLBD1-AS1	-	PLBD1 ant	ncRNA
chr2-2705	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr2	27053891	27056302	+		0	NA	exon (NM_	exon (NM_	3428	NR_104246	60509	Hs.138207	NM_021831	ENSG00000	AGBL5	CCP5|RP75	ATP/GTP b	protein-coding
chr2-1084	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr2	1.08E+08	1.08E+08	+		0	NA	intron (N	MIR|SINE|	5442	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr3-4858	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr3	48581982	48585323	+		0	NA	intron (N	intron (N	-4675	NR_031756	1E+08		NR_031756	ENSG00000	MIR711	hsa-mir-7	microRNA	ncRNA
chr6-7347	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr6	73478578	73478878	+		0	NA	intron (N	AluSx1|SI	16991	NM_001123	25821	Hs.347614	NM_012123	ENSG00000	MTO1	CGI-02|CC	mitochond	protein-coding
chr7-7544	9.43535	0.664425	0.763989	0.869679	0.384476	0.981636	chr7	75440450	75441972	+		0	NA	intron (N	intron (N	30889	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WE	NSUN5 pse	pseudo
chr11-683	9.030749	0.70441	0.810059	0.869578	0.384531	0.981636	chr11	68386402	68386773	+		0	NA	exon (NM_	exon (NM_	73996	NM_001291	4041	Hs.6347	NM_002335	ENSG00000	LRP5	BMND1|EVR	LDL recep	protein-coding
chr19-531	4.922795	0.921428	1.059965	0.8693	0.384683	0.981636	chr19	53171820	53172763	+		0	NA	intron (N	L1MA7|LIN	-13231	NM_001172	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr16-881	8.665692	-0.69975	0.805385	-0.86884	0.384936	0.981636	chr16	88183225	88185081	+		0	NA	Intergeni	Intergeni	-10128	NR_110944	1.02E+08	Hs.634835	NR_110944	ENSG00000	LINC02182	LA16c-444	long inte	ncRNA
chr3-3819	8.665692	-0.69975	0.805385	-0.86884	0.384936	0.981636	chr3	38198696	38200034	+		0	NA	intron (N	AluJr|SIN	33828	NM_005109	9943	Hs.475970	NM_005109	ENSG00000	OXSR1	OSR1	oxidative	protein-coding
chr2-1098	7.366349	-0.7516	0.865348	-0.86855	0.385094	0.981636	chr2	1.1E+08	1.1E+08	+		0	NA	intron (N	AluSz|SIN	44209	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr2-2060	7.366349	-0.7516	0.865348	-0.86855	0.385094	0.981636	chr2	2.06E+08	2.06E+08	+		0	NA	intron (N	MER112|DN	68561	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr10-215	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr10	21558735	21559160	+		0	NA	intron (N	L1M5|LINE	24775	NM_001195	8028	Hs.30385	NM_004641	ENSG00000	MLLT10	AF10	MLLT10 hi	protein-coding
chr11-651	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr11	6513068	6514545	+		0	NA	intron (N	L1ME3|LIN	16510	NM_144666	144132	Hs.720080	NM_144666	ENSG00000	DNHD1	C11orf47|	dynein he	protein-coding
chr13-198	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr13	19843585	19844512	+		0	NA	intron (N	AluY|SINE	19588	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr13-952	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr13	95235760	95236223	+		0	NA	intron (N	intron (N	25647	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-780	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr15	78020320	78020987	+		0	NA	intron (N	MIR|SINE|	-26428	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr18-541	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr18	54182665	54182990	+		0	NA	intron (N	AluJb|SIN	39585	NR_002970	677819	Hs.655869	NR_002970	ENSG00000	SNORA37	ACA37	small nuc	snoRNA
chr18-575	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr18	57557528	57557807	+		0	NA	intron (N	AluJb|SIN	29035	NM_001371095								
chr20-312	7.187855	0.755275	0.869809	0.868323	0.385218	0.981636	chr20	3120812	3121358	+		0	NA	intron (N	intron (N	14174	NR_038395	1E+08	Hs.129448	NR_038395	ENSG00000	UBOX5-AS1	-	UBOX5 ant	ncRNA
chr14-709	8.624552	-0.70302	0.809632	-0.86832	0.385222	0.981636	chr14	70995583	70996090	+		0	NA	exon (NM_	exon (NM_	88377	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr17-189	7.254418	0.761399	0.8769	0.868284	0.385239	0.981636	chr17	1897444	1898417	+		0	NA	3’ UTR (N	3’ UTR (N	67925	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTC	replicati	protein-coding
chr5-1067	6.963598	-0.7854	0.905158	-0.86769	0.385563	0.981636	chr5	10677301	10677627	+		0	NA	Intergeni	L1MB8|LIN	83770	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr1-2201	6.95574	-0.78369	0.903388	-0.8675	0.385669	0.981636	chr1	2.2E+08	2.2E+08	+		0	NA	intron (N	L1MC4|LIN	-16053	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr1-2011	8.880057	0.687754	0.792957	0.867328	0.385762	0.981636	chr1	2.01E+08	2.01E+08	+		0	NA	intron (N	intron (N	18489	NM_001288	252839	Hs.181444	NM_016456	ENSG00000	TMEM9	DERM4|TME	transmemb	protein-coding
chr20-623	8.880057	0.687754	0.792957	0.867328	0.385762	0.981636	chr20	62307920	62309356	+		0	NA	TTS (NM_0	TTS (NM_0	5641	NM_007002	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr2-1118	4.409751	-0.96393	1.111412	-0.8673	0.385778	0.981636	chr2	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	20238	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr17-460	10.85282	-0.62184	0.717003	-0.86728	0.385791	0.981636	chr17	46093979	46094178	+		0	NA	intron (N	intron (N	94828	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr1-1553	9.443208	0.662684	0.764167	0.867198	0.385833	0.981636	chr1	1.55E+08	1.55E+08	+		0	NA	intron (N	AluSz6|SI	4803	NR_103478	23623	Hs.226499	NM_014328	ENSG00000	RUSC1	NESCA	RUN and S	protein-coding
chr1-2296	9.443208	0.662684	0.764167	0.867198	0.385833	0.981636	chr1	2.3E+08	2.3E+08	+		0	NA	intron (N	intron (N	13184	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr11-720	9.443208	0.662684	0.764167	0.867198	0.385833	0.981636	chr11	72033122	72035707	+		0	NA	intron (N	MIR|SINE|	20123	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA
chr19-214	9.443208	0.662684	0.764167	0.867198	0.385833	0.981636	chr19	21413470	21414464	+		0	NA	intron (N	HERVK9-in	16834	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr21-448	9.443208	0.662684	0.764167	0.867198	0.385833	0.981636	chr21	44849322	44849658	+		0	NA	TTS (NR_1	TTS (NR_1	24200	NM_004339	754	Hs.474010	NM_004339	ENSG00000	PTTG1IP	C21orf1|C	PTTG1 int	protein-coding
chr1-1549	6.75783	0.80966	0.933951	0.866919	0.385986	0.981636	chr1	1.55E+08	1.55E+08	+		0	NA	intron (N	intron (N	11421	NM_001323	10654	Hs.30954	NM_006556	ENSG00000	PMVK	HUMPMKI|P	phosphome	protein-coding
chr1-4113	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr1	41132169	41133300	+		0	NA	intron (N	L1PA6|LIN	28698	NR_135092	22955	Hs.571874	NM_012236	ENSG00000	SCMH1	Scml3	Scm polyc	protein-coding
chr10-679	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr10	67998251	67998987	+		0	NA	intron (N	LTR37-int	12264	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr11-102	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr11	1.02E+08	1.02E+08	+		0	NA	intron (N	L1MB3|LIN	4585	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr14-100	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr14	1.01E+08	1.01E+08	+		0	NA	promoter-	promoter-	-790	NR_003080	692215		NR_003080	ENSG00000	SNORD112	14q(0)	small nuc	snoRNA
chr17-164	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr17	16431509	16431708	+		0	NA	intron (N	L2a|LINE|	-7379	NR_045025	125144	Hs.368934	NM_152350	ENSG00000	SNHG29	C17orf45|	small nuc	ncRNA
chr3-4790	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr3	47902338	47902894	+		0	NA	intron (N	AluSg|SIN	53061	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr5-3729	7.358491	-0.74995	0.86521	-0.86678	0.386062	0.981636	chr5	37297658	37297901	+		0	NA	intron (N	intron (N	-48351	NM_023073	65250	Hs.586199	NM_023073	ENSG00000	CPLANE1	C5orf42|H	ciliogene	protein-coding
chr11-375	6.906742	-0.78623	0.907181	-0.86668	0.386118	0.981636	chr11	3753284	3753704	+		0	NA	intron (N	intron (N	44052	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr6-1249	10.86067	-0.623	0.718971	-0.86652	0.386205	0.981636	chr6	1.25E+08	1.25E+08	+		0	NA	intron (N	LTR27E|LT	-4673	NR_104440	154214	Hs.12876	NM_152553	ENSG00000	RNF217	C6orf172|	ring fing	protein-coding
chr6-8750	7.709497	-0.78199	0.902575	-0.8664	0.386272	0.981636	chr6	87508184	87508383	+		0	NA	intron (N	intron (N	35309	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMP	solute ca	protein-coding
chr14-203	9.445058	0.672267	0.776039	0.86628	0.386337	0.981636	chr14	20313433	20313667	+		0	NA	exon (NM_	exon (NM_	-7599	NM_138376	91875	Hs.98553	NM_138376	ENSG00000	TTC5	Strap	tetratric	protein-coding
chr7-1075	5.624965	-0.86283	0.996291	-0.86605	0.386465	0.981636	chr7	1.08E+08	1.08E+08	+		0	NA	intron (N	L1MEb|LIN	8583	NM_001371354								
chr8-9515	5.624965	-0.86283	0.996291	-0.86605	0.386465	0.981636	chr8	95154589	95155345	+		0	NA	3’ UTR (N	3’ UTR (N	21182	NM_024613	79666	Hs.29724	NM_024613	ENSG00000	PLEKHF2	EAPF|PHAF	pleckstri	protein-coding
chr11-311	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr11	3114261	3122840	+		0	NA	intron (N	MER4A1|LT	46760	NM_001144	114879	Hs.436166	NM_020896	ENSG00000	OSBPL5	OBPH1|ORP	oxysterol	protein-coding
chr12-147	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr12	14796243	14797211	+		0	NA	intron (N	Tigger4b|	6751	NM_016312	51729	Hs.655138	NM_016312	ENSG00000	WBP11	NPWBP|PPP	WW domain	protein-coding
chr17-452	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr17	45262973	45266331	+		0	NA	exon (NM_	exon (NM_	-2558	NM_152343	124783	Hs.412719	NM_152343	ENSG00000	SPATA32	AEP2|C17c	spermatog	protein-coding
chr19-247	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr19	2476307	2478075	+		0	NA	exon (NM_	exon (NM_	1064	NM_015675	4616	Hs.110571	NM_015675	ENSG00000	GADD45B	GADD45BET	growth ar	protein-coding
chr19-106	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr19	10660488	10662021	+		0	NA	intron (N	AluSz|SIN	6908	NM_004516	3609	Hs.465885	NM_004516	ENSG00000	ILF3	CBTF|DRBF	interleuk	protein-coding
chr2-2031	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr2	20311111	20312042	+		0	NA	exon (NM_	exon (NM_	15810	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio R	protein-coding
chr4-7671	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr4	76710753	76712885	+		0	NA	intron (N	intron (N	136268	NR_039655	1.01E+08		NR_039655	ENSG00000	MIR548AH	-	microRNA	ncRNA
chr6-1365	7.391773	-0.74439	0.859595	-0.86598	0.386503	0.981636	chr6	1.37E+08	1.37E+08	+		0	NA	intron (N	intron (N	-22103	NM_003980	9053	Hs.486548	NM_003980	ENSG00000	MAP7	E-MAP-115	microtubu	protein-coding
chr13-950	10.41678	-0.64155	0.740957	-0.86584	0.38658	0.981636	chr13	95081432	95081743	+		0	NA	intron (N	intron (N	121546	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr8-7204	10.78625	-0.62933	0.726881	-0.86579	0.386606	0.981636	chr8	72044664	72046886	+		0	NA	intron (N	intron (N	29809	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr1-3165	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr1	31658096	31658405	+		0	NA	intron (N	intron (N	-13374	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr1-1550	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr1	1.55E+08	1.55E+08	+		0	NA	intron (N	intron (N	5850	NM_003815	8751	Hs.312098	NM_003815	ENSG00000	ADAM15	MDC15	ADAM meta	protein-coding
chr1-1677	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr1	1.68E+08	1.68E+08	+		0	NA	intron (N	MIRb|SINE	64462	NM_024569	9019	Hs.493919	NM_003953	ENSG00000	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr1-1789	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr1	1.79E+08	1.79E+08	+		0	NA	intron (N	L1PA16|LI	-43274	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr1-2042	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr1	2.04E+08	2.04E+08	+		0	NA	exon (NM_	exon (NM_	-59642	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|C	golgi tra	protein-coding
chr12-112	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	-76365	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr14-678	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr14	67801112	67805516	+		0	NA	intron (N	intron (N	13276	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr16-261	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr16	2610588	2611949	+		0	NA	intron (N	intron (N	7884	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr16-301	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr16	30104292	30105120	+		0	NA	TTS (NM_0	TTS (NM_0	8276	NR_135192	1.02E+08	Hs.569669	NR_135192		LOC101928	-	uncharact	ncRNA
chr17-152	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr17	1529606	1530771	+		0	NA	intron (N	L3|LINE|C	13269	NR_028514	1E+08	Hs.633815	NR_028514	ENSG00000	PITPNA-AS	-	PITPNA ar	ncRNA
chr19-118	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr19	11895433	11896260	+		0	NA	intron (N	L1M5|LINE	8064	NM_001364	7620	Hs.565280	NM_021915	ENSG00000	ZNF69	Cos5|hZNF	zinc fing	protein-coding
chr19-125	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr19	12596768	12597844	+		0	NA	intron (N	intron (N	13507	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr19-361	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr19	36117854	36118352	+		0	NA	intron (N	MIRb|SINE	2333	NM_001300	1155	Hs.31053	NM_001281	ENSG00000	TBCB	CG22|CKAP	tubulin f	protein-coding
chr19-488	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr19	48834144	48834470	+		0	NA	exon (NM_	exon (NM_	2184	NM_016246	51171	Hs.18788	NM_016246	ENSG00000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding

chr19-541	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr19	54148404	54151277	+	0	NA	intron (N	intron (N	9881	NM_024316	79165	Hs.590974	NM_024316	ENSG00000	LENG1	-	leukocyte	protein-coding
chr2-3208	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr2	32089702	32090411	+	0	NA	intron (N	AluY|SINE	26445	NM_199436	6683	Hs.468091	NM_014946	ENSG00000	SPAST	ADPSP|FSP	spastin	protein-coding
chr2-5554	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr2	55545309	55546118	+	0	NA	TTS (NM_0	TTS (NM_0	26118	NM_080667	112942	Hs.264208	NM_080667	ENSG00000	CFAP36	BARTL1|CC	cilia and	protein-coding
chr20-939	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr20	9391440	9392073	+	0	NA	intron (N	LTR16C|LT	83956	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr22-312	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr22	31281155	31290028	+	0	NA	intron (N	MIR3|SINE	6897	NM_052880	113791	Hs.26670	NM_052880	ENSG00000	PIK3IP1	HGFL|TrIP	phosphoir	protein-coding
chr22-404	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr22	40422415	40424184	+	0	NA	intron (N	intron (N	40141	NM_001282	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr3-9651	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr3	9651901	9654654	+	0	NA	intron (N	intron (N	3772	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr4-8672	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr4	86723280	86723541	+	0	NA	intron (N	MER1B|DNA	125974	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr6-4723	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr6	47231831	47233070	+	0	NA	3’ UTR (N	3’ UTR (N	77455	NM_014452	27242	Hs.443577	NM_014452	ENSG00000	TNFRSF21	BM-018|CD	TNF recep	protein-coding
chr7-7546	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr7	754617	755194	+	0	NA	intron (N	CpG-25256	-27229	NM_001164	5575	Hs.520851	NM_002735	ENSG00000	PRKAR1B	PRKAR1	protein k	protein-coding
chr7-1346	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	TTS (NM_1	TTS (NM_1	33166	NM_001724	669	Hs.198365	NM_001724	ENSG00000	BPGM	DPGM|ECYT	bisphosph	protein-coding
chr9-1249	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-53410	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr9-1276	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	13628	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr9-1365	7.195713	0.752972	0.869904	0.865581	0.38672	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	11684	NR_039820	1.01E+08		NR_039820	ENSG00000	MIR4673	-	microRNA	ncRNA
chr1-1294	9.109583	-0.6741	0.778906	-0.86544	0.386798	0.981636	chr1	1294036	1294787	+	0	NA	exon (NM_	exon (NM_	1759	NR_106784	1.02E+08		NR_106784	ENSG00000	MIR6726	hsa-mir-6	microRNA	ncRNA
chr14-607	9.109583	-0.6741	0.778906	-0.86544	0.386798	0.981636	chr14	60713461	60714819	+	0	NA	exon (NM_	exon (NM_	10211	NM_017420	51804	Hs.97849	NM_017420	ENSG00000	SIX4	AREC3	SIX homeo	protein-coding
chr14-739	6.873461	-0.79232	0.915713	-0.86525	0.3869	0.981636	chr14	73900514	73900891	+	0	NA	intron (N	Kanga2_a|	13843	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding
chr1-1504	9.47649	0.665142	0.768788	0.865183	0.386938	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	MIRb|SINE	1696	NR_106938	1.02E+08		NR_106938	ENSG00000	MIR6878	hsa-mir-6	microRNA	ncRNA
chr1-2143	9.47649	0.665142	0.768788	0.865183	0.386938	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	76113	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr19-407	9.47649	0.665142	0.768788	0.865183	0.386938	0.981636	chr19	40729572	40731161	+	0	NA	intron (N	intron (N	13254	NM_025194	80271	Hs.515415	NM_025194	ENSG00000	ITPKC	IP3-3KC|I	inositol-	protein-coding
chr4-4789	9.47649	0.665142	0.768788	0.865183	0.386938	0.981636	chr4	47897250	47897827	+	0	NA	TTS (NR_1	TTS (NR_1	-16689	NR_125879	1.02E+08	Hs.134190	NR_125879		LOC101927	-	uncharact	ncRNA
chr5-1416	7.179997	0.757588	0.875823	0.865002	0.387038	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	4356	NR_149167	8841	Hs.519632	NM_003883	ENSG00000	HDAC3	HD3|KDAC3	histone d	protein-coding
chr6-8335	7.179997	0.757588	0.875823	0.865002	0.387038	0.981636	chr6	83359736	83360926	+	0	NA	intron (N	HERVL-int	70720	NM_002395	4199	Hs.21160	NM_002395	ENSG00000	ME1	HUMNDME|M	malic enz	protein-coding
chr7-1333	7.179997	0.757588	0.875823	0.865002	0.387038	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	15864	NR_106749	1.02E+08		NR_106749	ENSG00000	MIR6133	hsa-mir-6	microRNA	ncRNA
chr1-4121	5.699386	-0.85	0.982786	-0.86489	0.3871	0.981636	chr1	41219263	41220220	+	0	NA	intron (N	AluSx1|SI	22565	NM_001350	22955	Hs.571874	NM_012236	ENSG00000	SCMH1	Scml3	Scm polyc	protein-coding
chr5-1130	5.699386	-0.85	0.982786	-0.86489	0.3871	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	48687	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr8-3813	5.699386	-0.85	0.982786	-0.86489	0.3871	0.981636	chr8	38138272	38139218	+	0	NA	intron (N	intron (N	12207	NM_000349	6770	Hs.521535	NM_000349	ENSG00000	STAR	STARD1	steroidog	protein-coding
chr1-1679	11.63986	0.600766	0.694699	0.864787	0.387156	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx1|SI	-16737	NM_001143	25874	Hs.517768	NM_015415	ENSG00000	MPC2	BRP44|SLC	mitochond	protein-coding
chr18-686	7.399631	-0.74604	0.862734	-0.86474	0.387179	0.981636	chr18	68685593	68686281	+	0	NA	intron (N	L2b|LINE|	29171	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr20-199	7.399631	-0.74604	0.862734	-0.86474	0.387179	0.981636	chr20	19940941	19941566	+	0	NA	intron (N	intron (N	51687	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr4-1509	7.399631	-0.74604	0.862734	-0.86474	0.387179	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	L1MB2|LIN	103200	NM_001199	987	Hs.480938	NM_006726	ENSG00000	LRBA	BGL|CDC4L	LPS respo	protein-coding
chr6-3214	9.552761	0.678075	0.784234	0.864633	0.38724	0.981636	chr6	32148675	32149185	+	0	NA	3’ UTR (N	3’ UTR (N	3009	NM_030651	80863	Hs.549204	NM_030651	ENSG00000	PRRT1	C6orf31|D	proline r	protein-coding
chr6-4357	9.117441	-0.67548	0.781336	-0.86451	0.387305	0.981636	chr6	43578145	43578344	+	0	NA	intron (N	AluSq2|SI	2059	NM_001291	5429	Hs.655467	NM_006502	ENSG00000	POLH	RAD30|RAD	DNA polym	protein-coding
chr1-1839	8.921196	0.688392	0.796349	0.864435	0.387349	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	102118	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr5-1379	8.921196	0.688392	0.796349	0.864435	0.387349	0.981636	chr5	13793397	13793697	+	0	NA	exon (NM_	exon (NM_	150933	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr10-943	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr10	94333498	94334521	+	0	NA	3’ UTR (N	3’ UTR (N	28930	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr10-127	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	MLT1J|LTR	141215	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr12-502	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr12	50230078	50230358	+	0	NA	intron (N	AluSx|SIN	3994	NR_031625	1E+08		NR_031625	ENSG00000	MIR1293	MIRN1293|	microRNA	ncRNA
chr16-314	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr16	31473328	31479535	+	0	NA	intron (N	CpG-9580	3226	NM_015927	7041	Hs.513530	NM_015927	ENSG00000	TGFB1I1	ARA55|HIC	transform	protein-coding
chr17-372	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr17	37237428	37237708	+	0	NA	intron (N	L1ME3D|LI	-7233	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr3-1227	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MC5|LIN	24426	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr4-2490	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr4	24909908	24910190	+	0	NA	intron (N	MLT1C|LTR	2929	NM_001130	91050	Hs.106432	NM_173463	ENSG00000	CCDC149	-	coiled-co	protein-coding
chr5-8042	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr5	80428091	80428449	+	0	NA	intron (N	L1PA5|LIN	20206	NM_001105	9765	Hs.482660	NM_014733	ENSG00000	ZFYVE16	PPP1R69	zinc fing	protein-coding
chr5-1158	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	non-codin	non-codin	11901	NM_004707	9140	Hs.264482	NM_004707	ENSG00000	ATG12	APG12|APG	autophagy	protein-coding
chr5-1591	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	L1ME3F|LI	41025	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr6-7509	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr6	75099963	75102730	+	0	NA	intron (N	intron (N	27436	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr7-1276	7.383915	-0.74275	0.859455	-0.86421	0.387471	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	5613	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr1-1569	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-26886	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr1-2357	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	L2c|LINE|	87274	NR_031718	1E+08		NR_031718	ENSG00000	MIR1537	MIRN1537|	microRNA	ncRNA
chr10-114	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	Intergeni	Tigger1|D	-10456	NR_120677	1.03E+08		NR_120677	ENSG00000	LINC02626	-	long inte	ncRNA
chr11-108	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	118483	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr13-242	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr13	24294730	24299720	+	0	NA	intron (N	AluJr|SIN	-9941	NM_001303	338872	Hs.362854	NM_178540	ENSG00000	C1QTNF9	AQL1|C1QT	C1q and T	protein-coding
chr17-408	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr17	4089130	4089790	+	0	NA	intron (N	intron (N	53570	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr19-349	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr19	34933281	34936104	+	0	NA	intron (N	L1ME3B|LI	7789	NR_024018	90075	Hs.657402	NM_194325	ENSG00000	ZNF30	KOX28	zinc fing	protein-coding
chr2-1084	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA13|LI	31427	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr20-490	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr20	49024755	49025035	+	0	NA	intron (N	AluSg|SIN	21161	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr20-563	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr20	56365388	56366581	+	0	NA	intron (N	intron (N	7010	NM_080821	116151	Hs.143736	NM_080821	ENSG00000	FAM210B	5A3|C20or	family wi	protein-coding
chr6-5301	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr6	53017727	53018477	+	0	NA	intron (N	intron (N	22482	NR_001445	125050		NR_001445	ENSG00000	RN7SK	7SK	RNA compo	snRNA
chr6-1093	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	Intergeni	ERVL-E-in	24426	NM_001346	8763	Hs.520313	NM_006016	ENSG00000	CD164	DFNA66|MC	CD164 mol	protein-coding
chr7-4785	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr7	4785363	4788381	+	0	NA	intron (N	AluSx1|SI	1767	NR_039800	1.01E+08		NR_039800	ENSG00000	MIR4656	-	microRNA	ncRNA
chr7-8820	7.228995	0.756006	0.874875	0.864131	0.387516	0.981636	chr7	88203371	88204763	+	0	NA	Intergeni	Intergeni	-12593	NR_120517	1.03E+08	Hs.489040	NR_120517		LOC102723	-	uncharact	ncRNA
chr1-1698	6.947882	-0.78188	0.904918	-0.86403	0.38757	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	44215	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr14-739	6.947882	-0.78188	0.904918	-0.86403	0.38757	0.981636	chr14	73956462	73956787	+	0	NA	intron (N	L1M4|LINE	6322	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr20-389	9.101725	-0.67274	0.778725	-0.8639	0.387644	0.981636	chr20	38990158	38990426	+	0	NA	intron (N	intron (N	27948	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr21-258	9.101725	-0.67274	0.778725	-0.8639	0.387644	0.981636	chr21	25881095	25881584	+	0	NA	3’ UTR (N	3’ UTR (N	-145685	NM_001003	522	Hs.246310	NM_001685	ENSG00000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr17-154	5.478088	0.856337	0.991522	0.863659	0.387775	0.981636	chr17	15498985	15499531	+	0	NA	intron (N	intron (N	-28422	NR_146601	94145	Hs.697356	NR_146601		CDRT3	-	CMT1A dup	ncRNA
chr2-1592	5.478088	0.856337	0.991522	0.863659	0.387775	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MC5a|LI	48706	NM_152528	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr21-326	5.478088	0.856337	0.991522	0.863659	0.387775	0.981636	chr21	32602574	32605534	+	0	NA	intron (N	intron (N	8323	NM_001350	1.1E+08	Hs.5811	NM_001350338		C21orf59-	-	C21orf59-	protein-coding
chr4-1683	5.478088	0.856337	0.991522	0.863659	0.387775	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-55745	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr16-295	12.19515	0.586712	0.679483	0.863468	0.38788	0.981636	chr16	29510642	29511182	+	0	NA	Intergeni	AluJo|SIN	-5038	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr17-678	10.40893	-0.64031	0.741699	-0.86331	0.387969	0.981636	chr17	67893516	67894168	+	0	NA	intron (N	intron (N	68339	NM_004459	2186	Hs.444200	NM_004459	ENSG00000	BPTF	FAC1|FALZ	bromodoma	protein-coding
chr4-1196	8.657834	-0.69824	0.80886	-0.86323	0.388009	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	14097	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr7-1077	8.657834	-0.69824	0.80886	-0.86323	0.388009	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-5027	NR_144537	1.02E+08	Hs.432792	NR_144536	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-440	17.63848	0.497538	0.576411	0.863165	0.388047	0.981636	chr19	44007545	44012055	+	0	NA	intron (N	MER77B|LT	6843	NM_006300	7773	Hs.193583	NM_006300	ENSG00000	ZNF230	FDZF2	zinc fing	protein-coding
chr10-100	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	(CA)n|Sim	15091	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr10-119	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L1M4|LINE	14661	NM_001243	22876	Hs.369755	NM_014937	ENSG00000	INPP5F	MSTP007|M	inositol	protein-coding
chr17-758	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chr17	75874426	75875475	+	0	NA	exon (NM_	exon (NM_	3631	NM_033452	91107	Hs.293660	NM_033452	ENSG00000	TRIM47	GOA|RNF10	tripartit	protein-coding
chr4-4753	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chr4	47534877	47535736	+	0	NA	intron (N	L1PA15|LI	50031	NM_020453	57205	Hs.437241	NM_020453	ENSG00000	ATP10D	ATPVD	ATPase ph	protein-coding
chr9-6573	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chr9	65734635	65735330	+	0	NA	TTS (NM_0	TTS (NM_0	-2164	NM_199244	349334	Hs.712520	NM_199244	ENSG00000	FOXD4L4	FOXD4L2|F	forkhead	protein-coding
chrX-1068	5.691528	-0.84792	0.982734	-0.86281	0.38824	0.981636	chrX	1.07E+08	1.07E+08	+	0	NA	intron (N	L1PA3|LIN	26408	NM_198881	54885	Hs.351798	NM_017752	ENSG00000	TBC1D8B	GRAMD8B	TBC1 doma	protein-coding
chr13-757	4.443033	-0.95424	1.10609	-0.86271	0.388295	0.981636	chr13	75751879	75752430	+	0	NA	intron (N	AluSx1|SI	-8166	NM_001366	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr14-742	4.443033	-0.95424	1.10609	-0.86271	0.388295	0.981636	chr14	74293550	74294053	+	0	NA	intron (N	L2b|LINE|	9133	NR_148467	5826	Hs.94395	NM_005050	ENSG00000	ABCD4	ABC41|EST	ATP bindi	protein-coding
chr16-650	4.443033	-0.95424	1.10609	-0.86271	0.388295	0.981636	chr16	65048170	65048782	+	0	NA	intron (N	L1P5|LINE	73587	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr11-198	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr11	19886188	19886791	+	0	NA	intron (N	intron (N	-126406	NR_039843	1.01E+08		NR_039843	ENSG00000	MIR4694	-	microRNA	ncRNA
chr2-1956	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	L1MB3|LIN	33349	NM_020342	57181	Hs.650158	NM_020342	ENSG00000	SLC39A10	LZT-Hs2	solute ca	protein-coding
chr21-323	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr21	32369065	32370183	+	0	NA	intron (N	intron (N	7698	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr3-4980	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr3	49805187	49805899	+	0	NA	TTS (NM_0	TTS (NM_0	702	NR_049825	1.01E+08		NR_049825	ENSG00000	MIR5193	mir-5193	microRNA	ncRNA
chr3-1237	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MLT1A1|LT	73232	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr4-1393	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	L1MEc|LIN	-27547	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr6-1224	4.435175	-0.95165	1.103149	-0.86267	0.388321	0.981636	chr6	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	30994	NM_001243	3298	Hs.158195	NM_004506	ENSG00000	HSF2	HSF 2|HST	heat shoc	protein-coding
chr12-125	7.197563	0.765452	0.887377	0.862601	0.388357	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	37508	NM_023928	65985	Hs.656073	NM_023928	ENSG00000	AACS	ACSF1|SUR	acetoacet	protein-coding
chr12-571	4.401893	-0.96136	1.114557	-0.86255	0.388386	0.981636	chr12	57101340	57102380	+	0	NA	intron (N	AluSx|SIN	8429	NM_001178	6778	Hs.524518	NM_003153	ENSG00000	STAT6	D12S1644|	signal tr	protein-coding
chr16-844	4.401893	-0.96136	1.114557	-0.86255	0.388386	0.981636	chr16	84459229	84459755	+	0	NA	non-codin	non-codin	7869	NR_146503	1.05E+08	Hs.610979	NR_146503	ENSG00000	ATP2C2-AS	-	ATP2C2 an	ncRNA
chr7-6455	4.401893	-0.96136	1.114557	-0.86255	0.388386	0.981636	chr7	64559687	64560916	+	0	NA	intron (N	AluSx|SIN	2770	NM_178558	340252	Hs.520886	NM_178558	ENSG00000	ZNF680	-	zinc fing	protein-coding
chr15-717	5.599541	-0.87285	1.011984	-0.86251	0.388405	0.981636	chr15	71766597	71766949	+	0	NA	intron (N	L1ME1|LIN	-43781	NM_016346	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr8-1279	5.599541	-0.87285	1.011984	-0.86251	0.388405	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz|SIN	13964	NR_031610	1E+08		NR_031610	ENSG00000	MIR1205	MIRN1205|	microRNA	ncRNA
chr3-1995	8.887915	0.685833	0.795264	0.862397	0.388469	0.981636	chr3	19953285	19953692	+	0	NA	intron (N	AluSz6|SI	6391	NM_004162	5868	Hs.475663	NM_004162	ENSG00000	RAB5A	RAB5	RAB5A, me	protein-coding
chr14-747	5.47023	0.859426	0.996567	0.862386	0.388475	0.981636	chr14	74701497	74702562	+	0	NA	intron (N	THE1B-int	11051	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr6-1703	5.47023	0.859426	0.996567	0.862386	0.388475	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	26338	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr11-711	3.204245	-1.1234	1.302685	-0.86238	0.388481	0.981636	chr11	71104873	71105632	+	0	NA	intron (N	L1MC1|LIN	119544	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CO	SH3 and m	protein-coding
chr3-1309	3.204245	-1.1234	1.302685	-0.86238	0.388481	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	45979	NM_001001	27032	Hs.584884	NM_014382	ENSG00000	ATP2C1	ATP2C1A|B	ATPase se	protein-coding
chr10-750	9.409926	0.660224	0.765659	0.862295	0.388525	0.981636	chr10	75024997	75025951	+	0	NA	intron (N	intron (N	3741	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr5-7542	6.624704	0.796721	0.924097	0.862161	0.388599	0.981636	chr5	75422749	75423075	+	0	NA	intron (N	MLT1B|LTR	85692	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr10-977	9.099875	-0.68285	0.79205	-0.86213	0.388617	0.981636	chr10	97717568	97717955	+	0	NA	3’ UTR (N	3’ UTR (N	4031	NM_031484	83742	Hs.744073	NM_031484	ENSG00000	MARVELD1	GB14|MARV	MARVEL do	protein-coding
chr1-8534	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr1	85347425	85348200	+	0	NA	intron (N	intron (N	56694	NM_001330	23576	Hs.713411	NM_012137	ENSG00000	DDAH1	DDAH|DDAH	dimethyla	protein-coding
chr1-1793	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSx3|SI	35934	NM_003101	6646	Hs.445588	NM_003101	ENSG00000	SOAT1	ACACT|ACA	sterol O-	protein-coding
chr11-433	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr11	43364832	43365152	+	0	NA	intron (N	AluSp|SIN	6072	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr16-188	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr16	18881521	18882113	+	0	NA	intron (N	intron (N	44587	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr2-1144	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr2	11443957	11444173	+	0	NA	TTS (NM_1	TTS (NM_1	22096	NR_103490	1876	Hs.603093	NM_198256	ENSG00000	E2F6	E2F-6	E2F trans	protein-coding
chr3-3705	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr3	37055093	37055741	+	0	NA	intron (N	AluSc|SIN	62067	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-3738	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr3	37381807	37382006	+	0	NA	Intergeni	L1MDa|LIN	-4363	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr4-7675	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr4	76751455	76751947	+	0	NA	intron (N	L1MB2|LIN	146443	NM_001029	345079	Hs.257292	NM_001029	ENSG00000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr8-5381	7.350633	-0.74834	0.868096	-0.86204	0.388664	0.981636	chr8	53814488	53814687	+	0	NA	intron (N	intron (N	28455	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr5-1041	10.2758	-0.65622	0.761908	-0.86129	0.389079	0.981636	chr5	10418744	10418955	+	0	NA	intron (N	L2c|LINE|	16485	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr1-1224	6.732407	0.803763	0.933637	0.860895	0.389296	0.981636	chr1	1224968	1225737	+	0	NA	intron (N	intron (N	6649	NM_016176	51150	Hs.42806	NM_016176	ENSG00000	SDF4	Cab45|SDF	stromal c	protein-coding
chr15-515	6.732407	0.803763	0.933637	0.860895	0.389296	0.981636	chr15	51516546	51517052	+	0	NA	intron (N	L1PB3|LIN	105972	NM_015263	23312	Hs.511386	NM_015263	ENSG00000	DMXL2	DFNA71|PE	Dmx like	protein-coding
chr3-1620	6.732407	0.803763	0.933637	0.860895	0.389296	0.981636	chr3	16200452	16200812	+	0	NA	exon (NM_	exon (NM_	-16144	NM_001319	117248	Hs.411308	NM_054110	ENSG00000	GALNT15	GALNACT15	polypepti	protein-coding
chr6-1498	6.732407	0.803763	0.933637	0.860895	0.389296	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MA7|LIN	-21147	NR_045126	1.01E+08	Hs.642734	NR_045126	ENSG00000	RAET1E-AS	RAET1G-AS	RAET1E an	ncRNA
chr10-889	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr10	88923166	88925199	+	0	NA	TTS (NM_0	TTS (NM_0	-8502	NR_125373	1E+08		NR_125373	ENSG00000	ACTA2-AS1	UC001kfo|	ACTA2 ant	ncRNA
chr10-125	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	23728	NM_078469	56647	Hs.370292	NM_016567	ENSG00000	BCCIP	TOK-1|TOK	BRCA2 and	protein-coding
chr12-121	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr12	12180240	12181465	+	0	NA	intron (N	intron (N	68900	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr12-639	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr12	63990422	63991565	+	0	NA	intron (N	intron (N	146293	NM_001346	57522	Hs.210751	NM_020762	ENSG00000	SRGAP1	ARHGAP13|	SLIT-ROBO	protein-coding
chr14-310	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr14	31017838	31018818	+	0	NA	intron (N	L2c|LINE|	-3586	NR_030354	693209		NR_030354	ENSG00000	MIR624	MIRN624|h	microRNA	ncRNA

chr14-689	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr14	68933813	68934559	+	0	NA	intron (N	intron (N	45116	NM_001102	87	Hs.23575	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr15-636	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr15	63613856	63614372	+	0	NA	intron (N	intron (N	-13287	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr2-1874	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-33038	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr21-462	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr21	46292550	46293264	+	0	NA	TTS (NM_0	TTS (NM_0	6565	NM_001314	54059	Hs.474066	NM_058181	ENSG00000	YBEY	C21orf57	ybeY meta	protein-coding
chr22-293	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr22	29327813	29328090	+	0	NA	3' UTR (N	3' UTR (N	5307	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr3-1277	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	26052	NM_007283	11343	Hs.277035	NM_007283	ENSG00000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr3-1286	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9751	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr4-8805	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr4	88053015	88053449	+	0	NA	intron (N	MER3|DNA|	45597	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr8-2337	5.650389	-0.85318	0.991087	-0.86086	0.389317	0.981636	chr8	23374323	23375418	+	0	NA	intron (N	L1PA5|LIN	29250	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr6-1110	9.402068	0.661966	0.769356	0.860416	0.38956	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx1|SI	21405	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr1-1542	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-1130	NM_001010	388701	Hs.104967	NM_001010	ENSG00000	C1orf189	-	chromosom	protein-coding
chr12-123	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	1247	NR_036187	1E+08		NR_036187	ENSG00000	MIR4304	-	microRNA	ncRNA
chr19-252	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr19	25299806	25300554	+	0	NA	Intergeni	ALR/Alpha	-1136733	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-1134	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	THE1C|LTR	5802	NR_107043	1.02E+08		NR_107043	ENSG00000	MIR8076	hsa-mir-8	microRNA	ncRNA
chr5-1790	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L1ME4a|LI	6361	NM_001353	345462	Hs.445740	NM_001136	ENSG00000	ZNF879	DKFZp686E	zinc fing	protein-coding
chr9-3510	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr9	35105035	35107481	+	0	NA	non-codir	non-codir	-3063	NM_001287	30968	Hs.3439	NM_013442	ENSG00000	STOML2	HSPC108|S	stomatin	protein-coding
chr9-9225	9.451066	0.660924	0.768214	0.860338	0.389603	0.981636	chr9	92253524	92253849	+	0	NA	intron (N	intron (N	38861	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr11-975	12.16187	0.584716	0.679875	0.860035	0.38977	0.981636	chr11	975370	975718	+	0	NA	intron (N	CpG	49674	NM_012305	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr2-1279	9.093867	-0.67139	0.780794	-0.85988	0.389853	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	THE1B|LTR	63484	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr4-9832	9.093867	-0.67139	0.780794	-0.85988	0.389853	0.981636	chr4	98320618	98320817	+	0	NA	intron (N	L1PA2|LIN	59333	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr5-1415	9.093867	-0.67139	0.780794	-0.85988	0.389853	0.981636	chr5	14157879	14158563	+	0	NA	intron (N	AluSc|SIN	14879	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr22-455	9.135006	-0.66835	0.777309	-0.85983	0.389885	0.981636	chr22	45556911	45560828	+	0	NA	TTS (NM_0	TTS (NM_0	46778	NR_131244	1.01E+08	Hs.517692	NR_131244	ENSG00000	LINC01589	TCONS_000	long inte	ncRNA
chr5-8730	9.135006	-0.66835	0.777309	-0.85983	0.389885	0.981636	chr5	87304674	87306460	+	0	NA	intron (N	L1PA13|LI	18061	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr7-8390	9.135006	-0.66835	0.777309	-0.85983	0.389885	0.981636	chr7	839001	839200	+	0	NA	intron (N	intron (N	-2274	NM_001367	23353	Hs.438072	NM_025154	ENSG00000	SUN1	UNC84A	Sad1 and	protein-coding
chr9-2790	9.135006	-0.66835	0.777309	-0.85983	0.389885	0.981636	chr9	2790902	2792190	+	0	NA	Intergeni	LTR8B|LTR	52549	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio F	protein-coding
chr1-2305	9.417784	0.658476	0.765838	0.859812	0.389893	0.981636	chr1	23059471	23059690	+	0	NA	intron (N	intron (N	15275	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr1-2263	9.417784	0.658476	0.765838	0.859812	0.389893	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	28407	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr1-2293	9.417784	0.658476	0.765838	0.859812	0.389893	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	promoter-	promoter-	-617	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr17-809	9.417784	0.658476	0.765838	0.859812	0.389893	0.981636	chr17	80995959	80997843	+	0	NA	intron (N	FLAM_A|SI	5060	NM_024591	79643	Hs.514560	NM_024591	ENSG00000	CHMP6	VPS20	charged m	protein-coding
chr4-5338	9.417784	0.658476	0.765838	0.859812	0.389893	0.981636	chr4	53383311	53383808	+	0	NA	intron (N	AluSx1|SI	5906	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr1-1717	12.20301	0.58537	0.680973	0.859608	0.390005	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	5500	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr2-1192	3.196387	-1.11993	1.30305	-0.85947	0.390083	0.981636	chr2	1.19E+08	1.19E+08	+	0	NA	intron (N	MER113A|D	-13188	NR_046721	1.01E+08	Hs.704682	NR_046721	ENSG00000	STEAP3-AS	-	STEAP3 ar	ncRNA
chr9-6923	3.196387	-1.11993	1.30305	-0.85947	0.390083	0.981636	chr9	69235003	69235693	+	0	NA	intron (N	AluY|SINE	30193	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jur	protein-coding
chr10-100	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-11640	NM_017893	57715	Hs.591923	NM_017893	ENSG00000	SEMA4G	-	semaphori	protein-coding
chr11-754	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr11	75407264	75408686	+	0	NA	intron (N	intron (N	3554	NR_000025	114599	Hs.689080	NR_000025	ENSG00000	SNORD15B	RNU15B|U1	small nuc	snoRNA
chr12-465	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr12	46513545	46517068	+	0	NA	intron (N	L1PA14|LI	131199	NR_125381	1E+08	Hs.525922	NR_125377		LOC100288	-	uncharact	ncRNA
chr18-280	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr18	2800427	2800980	+	0	NA	intron (N	intron (N	-46303	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr2-8746	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr2	87469091	87470457	+	0	NA	promoter-	promoter-	-176	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr3-9985	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr3	99852897	99856408	+	0	NA	intron (N	MER20|DNA	21521	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr3-1017	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA7|LIN	10812	NM_024548	79598	Hs.444135	NM_024548	ENSG00000	CEP97	2810403B0	centrosom	protein-coding
chr3-1204	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	16308	NM_007085	11167	Hs.269512	NM_007085	ENSG00000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr7-1165	7.376057	-0.74112	0.862318	-0.85945	0.390094	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	AluJo|SIN	28916	NM_001172	857	Hs.74034	NM_001753	ENSG00000	CAV1	BSCL3|CGL	caveolin	protein-coding
chr19-121	12.16973	0.583368	0.678823	0.85938	0.390131	0.981636	chr19	12110494	12113448	+	0	NA	exon (NM_	exon (NM_	19674	NM_001348	388507	Hs.127473	NM_001004314		ZNF788P	ZNF788	zinc fing	protein-coding
chr5-4953	12.16973	0.583368	0.678823	0.85938	0.390131	0.981636	chr5	49535216	49537790	+	0	NA	Intergeni	ALR/Alpha	904785	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1444	11.64771	0.599318	0.697667	0.859032	0.390323	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	15256	NR_104076	1.02E+08		NR_104076	ENSG00000	RNVU1-15	RNU1-121|	RNA, vari	snRNA
chr14-737	9.142864	-0.6697	0.779735	-0.85888	0.390405	0.981636	chr14	73718809	73723324	+	0	NA	intron (N	MIR|SINE|	-6682	NM_006029	9240	Hs.194709	NM_006029	ENSG00000	PNMA1	MA1	PNMA fami	protein-coding
chr7-9283	9.142864	-0.6697	0.779735	-0.85888	0.390405	0.981636	chr7	92832644	92833526	+	0	NA	intron (N	CpG	874	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr19-388	8.954478	0.69086	0.80479	0.858435	0.390652	0.981636	chr19	38888369	38889050	+	0	NA	intron (N	intron (N	5446	NR_034146	22933	Hs.466693	NM_012237	ENSG00000	SIRT2	SIR2|SIR2	sirtuin 2	protein-coding
chr21-392	7.325209	-0.75586	0.880621	-0.85832	0.390714	0.981636	chr21	39231791	39232318	+	0	NA	intron (N	intron (N	-48540	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr12-894	9.127149	-0.667	0.777128	-0.85829	0.390734	0.981636	chr12	89446361	89446647	+	0	NA	intron (N	L1PA5|LIN	78292	NM_003774	8693	Hs.25130	NM_003774	ENSG00000	GALNT4	GALNAC-T4	polypepti	protein-coding
chr13-110	9.127149	-0.667	0.777128	-0.85829	0.390734	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-1334	NR_046583	1.01E+08	Hs.508716	NR_046583	ENSG00000	COL4A2-AS	-	COL4A2 ar	ncRNA
chr13-113	9.127149	-0.667	0.777128	-0.85829	0.390734	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	non-codir	non-codir	17964	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr1-5865	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr1	58658031	58658906	+	0	NA	3' UTR (N	3' UTR (N	41594	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr1-1126	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	4406	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr1-2120	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L2a|LINE|	5333	NR_036068	1E+08		NR_036068	ENSG00000	MIR3122	mir-3122	microRNA	ncRNA
chr10-120	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr10	12027192	12027776	+	0	NA	intron (N	intron (N	15325	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr11-856	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr11	85699133	85704970	+	0	NA	intron (N	L1MEg|LIN	-15856	NM_152723	220388	Hs.376241	NM_152723	ENSG00000	CCDC89	-	coiled-co	protein-coding
chr12-105	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MSTD|LTR|	11595	NM_001145	387882	Hs.368938	NM_207376	ENSG00000	C12orf75	AGD3|OCC-	chromosom	protein-coding
chr12-121	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3' UTR (N	3' UTR (N	13598	NM_019034	54509	Hs.707579	NM_019034	ENSG00000	RHOF	ARHF|RIF	ras homol	protein-coding
chr15-808	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr15	80864140	80867235	+	0	NA	intron (N	MER30B|DN	-23614	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr2-7420	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr2	74204423	74205746	+	0	NA	intron (N	AluSg|SIN	6469	NM_006636	10797	Hs.469030	NM_006636	ENSG00000	MTHFD2	NMDMC	methylene	protein-coding
chr2-1751	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	HAL1b|LIN	41227	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr2-2060	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	L1PB1|LIN	49668	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr3-1612	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	(TTTCTT)r	24225	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr4-8839	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr4	88396980	88398391	+	0	NA	intron (N	AluSx|SIN	18946	NM_017912	55008	Hs.529317	NM_017912	ENSG00000	HERC6	-	HECT and	protein-coding
chr6-8725	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr6	87259201	87260917	+	0	NA	exon (NM_	exon (NM_	-62529	NM_001287	57150	Hs.70769	NM_020425	ENSG00000	SMIM8	C6orf162|	small int	protein-coding
chr7-1522	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	163103	NM_170606	58508	Hs.647120	NM_021230	ENSG00000	KMT2C	HALR|KLEF	lysine me	protein-coding
chr9-9810	4.427317	-0.94904	1.106253	-0.85789	0.390953	0.981636	chr9	98103526	98104776	+	0	NA	intron (N	intron (N	15071	NM_014788	9830	Hs.575631	NM_014788	ENSG00000	TRIM14	-	tripartit	protein-coding
chr22-395	17.04842	-0.5019	0.585102	-0.8578	0.391004	0.981636	chr22	39521088	39523299	+	0	NA	exon (NM_	exon (NM_	1629	NM_182810	468	Hs.496487	NM_001675	ENSG00000	ATF4	CREB-2|CR	activatir	protein-coding
chr1-1245	14.93738	0.534173	0.622774	0.857731	0.391041	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3042236	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-896	7.162432	0.749877	0.874343	0.857647	0.391087	0.981636	chr16	89690941	89692083	+	0	NA	exon (NM_	exon (NM_	4823	NR_027703	8558	Hs.699177	NM_003674	ENSG00000	CDK10	ALSAS|PIS	cyclin de	protein-coding
chr19-791	7.162432	0.749877	0.874343	0.857647	0.391087	0.981636	chr19	7910525	7912282	+	0	NA	intron (N	intron (N	-4744	NM_001195	1.01E+08	Hs.646773	NM_001195	ENSG00000	TGFBR3L	TGFR-3L	transform	protein-coding
chr8-4161	7.162432	0.749877	0.874343	0.857647	0.391087	0.981636	chr8	41610877	41612026	+	0	NA	intron (N	intron (N	32935	NM_001363	137964	Hs.355753	NM_178819	ENSG00000	GPAT4	1-AGPAT 6	glycerol-	protein-coding
chr8-4288	7.162432	0.749877	0.874343	0.857647	0.391087	0.981636	chr8	42886801	42887037	+	0	NA	intron (N	AluJr|SIN	9356	NR_039679	1.01E+08		NR_039679	ENSG00000	MIR4469	mir-4469	microRNA	ncRNA
chr8-1030	7.162432	0.749877	0.874343	0.857647	0.391087	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	MIRc|SINE	35577	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATF	ATPase H+	protein-coding
chr14-911	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr14	91196473	91196852	+	0	NA	intron (N	intron (N	48042	NM_001177	8111	Hs.8882	NM_003485	ENSG00000	GPR68	AI2A6|GPR	G protein	protein-coding
chr14-100	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-464	NR_003219	767606		NR_003219	ENSG00000	SNORD114-	14q(II-26	small nuc	snoRNA
chr15-808	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr15	80891304	80900459	+	0	NA	exon (NM_	exon (NM_	-53808	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr15-809	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr15	80935454	80942516	+	0	NA	intron (N	intron (N	50834	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr20-368	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr20	36807611	36808579	+	0	NA	intron (N	AluY|SINE	-34332	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr21-149	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr21	14966914	14968877	+	0	NA	exon (NM_	exon (NM_	-49227	NR_146322	1.08E+08		NR_146322		LINC02246	-	long inte	ncRNA
chr3-1286	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	L1ME3B|LI	21683	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr4-1011	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr4	10110542	10111999	+	0	NA	intron (N	intron (N	5529	NM_005112	9948	Hs.128548	NM_005112	ENSG00000	WDR1	AIP1|HEL-	WD repeat	protein-coding
chr4-1511	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	31999	NM_001128	152503	Hs.744983	NM_001009	ENSG00000	SH3D19	EBP|EVE1|	SH3 domai	protein-coding
chr9-1150	7.417196	-0.73726	0.859883	-0.8574	0.391224	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	5' UTR (N	5' UTR (N	27027	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr19-267	11.681	0.601353	0.701617	0.857097	0.391391	0.981636	chr19	26753253	26754252	+	0	NA	Intergeni	ALR/Alpha	-1039679	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-171	5.68367	-0.84574	0.987028	-0.85685	0.391526	0.981636	chr11	17111707	17112752	+	0	NA	intron (N	AluSx1|SI	-34562	NM_001017	6207	Hs.446588	NM_001017	ENSG00000	RPS13	S13	ribosomal	protein-coding
chr3-9879	5.68367	-0.84574	0.987028	-0.85685	0.391526	0.981636	chr3	98796577	98797546	+	0	NA	3' UTR (N	3' UTR (N	33754	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr5-1317	5.68367	-0.84574	0.987028	-0.85685	0.391526	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	77117	NM_001008	96459	Hs.591273	NM_133372	ENSG00000	FNIP1	-	folliculi	protein-coding
chr10-108	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr10	1089212	1091268	+	0	NA	intron (N	AluSx|SIN	-33536	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr11-710	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr11	71074061	71075077	+	0	NA	intron (N	LTR71B|LT	150227	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CO	SH3 and m	protein-coding
chr11-105	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	Intergeni	Charlie17	26241	NM_032424	84437	Hs.266782	NM_032424	ENSG00000	MSANTD4	KIAA1826	Myb/SANT	protein-coding
chr12-123	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME1|LIN	6441	NM_001516	2967	Hs.355348	NM_001516	ENSG00000	GTF2H3	BTF2|P34|	general t	protein-coding
chr12-131	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-35701	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr13-984	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr13	98452638	98453146	+	0	NA	3' UTR (N	3' UTR (N	69233	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr16-174	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr16	1743590	1745863	+	0	NA	intron (N	intron (N	9741	NR_036138	1E+08		NR_036138	ENSG00000	MIR3177	mir-3177	microRNA	ncRNA
chr16-155	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr16	15581743	15584231	+	0	NA	intron (N	intron (N	28108	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-192	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr16	19224914	19225806	+	0	NA	intron (N	intron (N	53025	NM_001308	51760	Hs.258326	NM_016524	ENSG00000	SYT17	sytXVII	synaptota	protein-coding
chr17-501	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr17	5012975	5015102	+	0	NA	intron (N	intron (N	6055	NR_120665	1.03E+08	Hs.666487	NR_120665	ENSG00000	LOC102724	-	uncharact	ncRNA
chr19-854	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr19	8546360	8548874	+	0	NA	intron (N	AluSg4|SI	29825	NM_012335	4542	Hs.465818	NM_012335	ENSG00000	MYO1F	-	myosin IF	protein-coding
chr19-168	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr19	16878593	16879384	+	0	NA	3' UTR (N	3' UTR (N	-10011	NM_003950	9002	Hs.137574	NM_003950	ENSG00000	F2RL3	PAR4	F2R like	protein-coding
chr20-640	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr20	64017008	64019672	+	0	NA	intron (N	L1MC4|LIN	-15387	NM_001348	284739	Hs.97840	NM_207349	ENSG00000	C20orf204	LINC00176	chromosom	protein-coding
chr21-440	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr21	44037730	44038538	+	0	NA	intron (N	intron (N	25825	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr22-204	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr22	20404166	20407471	+	0	NA	exon (NM_	exon (NM_	11667	NM_001256	7625	Hs.517418	NM_003426	ENSG00000	ZNF74	COS52|ZFP	zinc fing	protein-coding
chr5-1325	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L2-3_Crp|	4619	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr6-1703	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	13426	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr7-1006	7.203571	0.750605	0.876113	0.856744	0.391586	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	4988	NM_022574	64599	Hs.414396	NM_022574	ENSG00000	GIGYF1	GYF1|PERG	GRB10 int	protein-coding
chr11-704	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr11	70486624	70487493	+	0	NA	exon (NM_	exon (NM_	88529	NM_001184	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactir	protein-coding
chr15-427	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr15	42782234	42783639	+	0	NA	intron (N	intron (N	-45808	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr19-235	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr19	2353196	2353884	+	0	NA	3' UTR (N	3' UTR (N	24856	NM_152988	56928	Hs.744026	NM_152988	ENSG00000	SPPL2B	IMP-4|IMP	signal pe	protein-coding
chr2-1052	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	35549	NM_007227	11250	Hs.590903	NM_007227	ENSG00000	GPR45	PSP24|PSP	G protein	protein-coding
chr2-2057	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	67242	NM_018534	8828	Hs.471200	NM_003872	ENSG00000	NRP2	NP2|NPN2|	neuropili	protein-coding
chr6-2960	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr6	29605312	29607271	+	0	NA	intron (N	intron (N	18385	NM_007160	7932	Hs.529493	NM_007160	ENSG00000	OR2H2	FAT11|OLF	olfactory	protein-coding
chr9-1283	5.485946	0.853271	0.996452	0.856309	0.391827	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	L2a|LINE|	4152	NR_031672	1E+08		NR_031672	ENSG00000	MIR1268A	MIR1268|M	microRNA	ncRNA
chr16-446	7.425054	-0.73888	0.863024	-0.85615	0.391913	0.981636	chr16	4461335	4461925	+	0	NA	TTS (NM_0	TTS (NM_0	12995	NM_001351	57407	Hs.288969	NM_020677	ENSG00000	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr2-3715	7.425054	-0.73888	0.863024	-0.85615	0.391913	0.981636	chr2	37151523	37152113	+	0	NA	intron (N	AluYc|SIN	-3996	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr2-5563	7.425054	-0.73888	0.863024	-0.85615	0.391913	0.981636	chr2	55636857	55637439	+	0	NA	intron (N	intron (N	-19526	NM_020463	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr16-470	4.930653	0.9176	1.072375	0.855671	0.39218	0.981636	chr16	4704390	4704770	+	0	NA	intron (N	intron (N	10862	NM_001370	84309	Hs.513315	NM_032349	ENSG00000	NUDT16L1	SDOS|TIRR	nudix hyd	protein-coding
chr10-889	6.634412	0.80772	0.94397	0.855663	0.392184	0.981636	chr10	88984036	88984368	+	0	NA	intron (N	L3|LINE|C	-6596	NM_152871	355	Hs.244139	NM_000043	ENSG00000	FAS	ALPS1A|AP	Fas cell	protein-coding
chr10-920	6.634412	0.80772	0.94397	0.855663	0.392184	0.981636	chr10	92021982	92022267	+	0	NA	intron (N	intron (N	98354	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr1-7792	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr1	77921652	77924905	+	0	NA	intron (N	AluJb|SIN	-33739	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr1-2201	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	3' UTR (N	3' UTR (N	-32703	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr11-106	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr11	10683230	10685459	+	0	NA	intron (N	L1PA3|LIN	9230	NM_001100	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding

chr11-57	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr11	57318773	57319392	+	0	NA	intron (N	AluY|SINE	5870	NM_03339	85456	Hs.53073	NM_03339	ENSG0000	TNKS1BP1	TAB182	tankyras	protein-coding
chr12-781	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr12	78178360	78178993	+	0	NA	intron (N	intron (N	181070	NR_135021	1.05E+08	Hs.15689	NR_135021	ENSG0000	LINC02424	-	long int	ncRNA
chr13-102	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	MER31B|LT	15941	NM_001204	1.01E+08	Hs.25842	NM_001204	ENSG0000	BIVM-ERC	ERCC5-202	BIVM-ERC	protein-coding
chr13-10	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	3058	NM_00374	8660	Hs.442344	NM_00374	ENSG0000	IRS2	IRS-2	insulin	protein-coding
chr14-50	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr14	50648584	50648982	+	0	NA	intron (N	AluY|SINE	19523	NM_02181	60485	Hs.642842	NM_02181	ENSG0000	SAV1	SAV|WW45|	salvador	protein-coding
chr15-712	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr15	71256719	71261142	+	0	NA	intron (N	AluSp|SIN	-69871	NR_12034	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr16-54	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr16	549907	550106	+	0	NA	intron (N	intron (N	6729	NR_036137	1E+08		NR_036137	ENSG0000	MIR3176	mir-3176	microRNA	ncRNA
chr20-17	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr20	17667918	17669556	+	0	NA	intron (N	L1MEd|LIN	13505	NM_00136	6238	Hs.47221	NM_004587	ENSG0000	RRBP1	ES/130|ES	ribosome	protein-coding
chr4-100	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr4	10095562	10095840	+	0	NA	intron (N	intron (N	-17009	NR_03609	1E+08		NR_03609	ENSG0000	MIR3138	mir-3138	microRNA	ncRNA
chr6-1624	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr6	16247663	16247930	+	0	NA	intron (N	MIR|SINE|	9209	NM_006877	2766	Hs.484741	NM_006877	ENSG0000	GMPR	GMPR 1|GM	guanosin	protein-coding
chr6-130	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	TTS (NM_	TTS (NM_	11640	NM_00119	1.01E+08	Hs.38871	NM_00119	ENSG0000	SMLR1	-	small le	protein-coding
chr8-118	7.409338	-0.73563	0.859743	-0.85564	0.392198	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	L3|LINE|	38808	NM_000127	2131	Hs.49261	NM_000127	ENSG0000	EXT1	EXT|LGCR|	exostosi	protein-coding
chr10-40	9.998501	0.642042	0.750635	0.855332	0.392367	0.981636	chr10	40837518	40837976	+	0	NA	Intergeni	ALR/Alpha	1530298	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr14-52	9.133157	-0.67836	0.793196	-0.85522	0.392429	0.981636	chr14	52874729	52875119	+	0	NA	intron (N	AluJr|SIN	76126	NM_006832	10979	Hs.50934	NM_006832	ENSG0000	FERMT2	KIND2|MI	fermitin	protein-coding
chr10-87	10.86252	-0.61468	0.718983	-0.85494	0.392587	0.981636	chr10	87800473	87803977	+	0	NA	intron (N	MER4-int|	16006	NM_001321	84896	Hs.43594	NM_03281	ENSG0000	ATAD1	AFDC1|FNF	ATPase f	protein-coding
chr12-132	10.86252	-0.61468	0.718983	-0.85494	0.392587	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSp|SIN	-17364	NM_015114	23141	Hs.65462	NM_015114	ENSG0000	ANKLE2	KIAA0692|	ankyrin	protein-coding
chr9-110	10.86252	-0.61468	0.718983	-0.85494	0.392587	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	145883	NM_00136	4593	Hs.52165	NM_005592	ENSG0000	MUSK	CMS9|FADS	muscle a	protein-coding
chr1-946	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr1	946308	947052	+	0	NA	intron (N	intron (N	12576	NM_01565	26155	Hs.405987	NM_01565	ENSG0000	NOC2L	NET15|NET	NOC2 lik	protein-coding
chr10-10	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr10	1093973	1094656	+	0	NA	intron (N	MER58A|DN	-37610	NR_13430	3422	Hs.283652	NM_00450	ENSG0000	IDI1	IPP1|IPPI	isopente	protein-coding
chr2-962	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr2	96252531	96253875	+	0	NA	3’ UTR (N	3’ UTR (N	12794	NM_00119	55654	Hs.16430	NM_01784	ENSG0000	TMEM127	-	transmem	protein-coding
chr22-20	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr22	20036690	20037116	+	0	NA	non-codi	non-codi	3764	NR_02970	406961		NR_02970	ENSG0000	MIR185	MIRN185|m	microRNA	ncRNA
chr6-387	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr6	38700219	38700482	+	0	NA	intron (N	intron (N	2795	NM_00670	2739	Hs.26884	NM_00670	ENSG0000	GLO1	GLOD1|GLY	glyoxala	protein-coding
chr9-136	7.170289	0.747555	0.874437	0.854899	0.392607	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18662	NM_01899	54461	Hs.522507	NM_01899	ENSG0000	FBXW5	Fbw5	F-box an	protein-coding
chr1-465	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr1	46561197	46567963	+	0	NA	intron (N	AluSp|SIN	-12923	NM_001322	148930	Hs.350764	NM_18251	ENSG0000	KNCN	Kino|L5	kinocili	protein-coding
chr1-2344	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	L1MEf|LIN	38976	NM_00564	6894	Hs.49811	NM_00564	ENSG0000	TARBP1	TRM3|TRMT	TAR (HIV-	protein-coding
chr11-64	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr11	6459466	6461361	+	0	NA	intron (N	intron (N	13528	NM_03327	10612	Hs.591992	NM_00645	ENSG0000	TRIM3	BERP|HAC1	tripartit	protein-coding
chr12-112	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-92762	NR_106921	1.02E+08		NR_106921	ENSG0000	MIR6861	hsa-mir-	microRNA	ncRNA
chr12-12	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSq2|SI	9979	NM_001037	8655	Hs.5120	NM_00374	ENSG0000	DYNLL1	DLC1|DLC	dynein li	protein-coding
chr13-11	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	6734	NM_199162	113622	Hs.98669	NM_13843	ENSG0000	ADPRHL1	ARH2	ADP-ribo	protein-coding
chr15-304	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr15	30475640	30476364	+	0	NA	intron (N	AluSp|SIN	2019	NR_03665	1E+08	Hs.56262	NR_036650		WHAMMP1	WHDC1P1	WAS prot	pseudo
chr18-124	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr18	12449032	12449527	+	0	NA	3’ UTR (N	3’ UTR (N	16505	NR_136514	1.05E+08	Hs.51528	NR_136514		LOC105371	-	uncharact	ncRNA
chr19-297	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr19	29706945	29707341	+	0	NA	intron (N	AluSz6|SI	7913	NM_001282	83636	Hs.529094	NM_03144	ENSG0000	C19orf12	MPAN|NBIA	chromoso	protein-coding
chr4-561	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr4	5610592	5611225	+	0	NA	intron (N	intron (N	85752	NR_126517	10141	Hs.177972	NM_00575	ENSG0000	LINC01587	C4orf6|a	long int	ncRNA
chr6-829	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr6	82930624	82932149	+	0	NA	intron (N	THE1C-int	134455	NM_00135	90025	Hs.14860	NM_19892	ENSG0000	UBE3D	C6orf157|	ubiquiti	protein-coding
chr7-7451	5.452664	0.849467	0.993824	0.854746	0.392692	0.981636	chr7	74510846	74512868	+	0	NA	intron (N	intron (N	57951	NM_01632	9569	Hs.64705	NM_00568	ENSG0000	GTF2IRD1	BEN|CREAM	GTF2I re	protein-coding
chr1-2217	9.96522	0.639635	0.748441	0.854623	0.39276	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	4929	NR_11193	11221	Hs.497822	NM_007207	ENSG0000	DUSP10	MKP-5|MKF	dual spe	protein-coding
chr19-104	6.616846	0.799175	0.935131	0.854613	0.392765	0.981636	chr19	10454948	10455151	+	0	NA	intron (N	intron (N	2117	NM_006202	5141	Hs.89901	NM_006202	ENSG0000	PDE4A	DPDE2|PDE	phosphodi	protein-coding
chr19-50	7.154574	0.752167	0.880397	0.85435	0.392911	0.981636	chr19	50382025	50382266	+	0	NA	exon (NM_	exon (NM_	-2178	NM_00125	5424	Hs.27941	NM_002691	ENSG0000	POLD1	CDC2|CRCS	DNA poly	protein-coding
chr4-2692	7.342775	-0.74675	0.874114	-0.85429	0.392945	0.981636	chr4	26920431	26921025	+	0	NA	intron (N	intron (N	59887	NM_02086	57620	Hs.74495	NM_02086	ENSG0000	STIM2	-	stromal	protein-coding
chr1-123	42.13848	0.349653	0.409303	0.854266	0.392958	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2016633	NR_00395	647121	Hs.697682	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr15-491	9.119291	-0.66563	0.779192	-0.85426	0.392961	0.981636	chr15	49131275	49131682	+	0	NA	intron (N	intron (N	24121	NM_00114	9318	Hs.369614	NM_00423	ENSG0000	COPS2	ALIEN|CSN	COP9 sig	protein-coding
chr4-1007	9.119291	-0.66563	0.779192	-0.85426	0.392961	0.981636	chr4	10072403	10075574	+	0	NA	TTS (NM_	TTS (NM_	4704	NR_03609	1E+08		NR_03609	ENSG0000	MIR3138	mir-3138	microRNA	ncRNA
chr4-113	9.119291	-0.66563	0.779192	-0.85426	0.392961	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	77839	NM_001354	79642	Hs.22895	NM_02459	ENSG0000	ARSJ	ASJ	arylsulf	protein-coding
chr1-166	14.91196	0.531373	0.622083	0.854183	0.393004	0.981636	chr1	16603810	16604399	+	0	NA	intron (N	intron (N	9501	NM_01794	55672	Hs.467587	NM_01794	ENSG0000	NBPF1	AB13|AB14	NBPF mem	protein-coding
chr16-39	9.973078	0.637966	0.746877	0.854177	0.393007	0.981636	chr16	3965992	3966681	+	0	NA	exon (NM_	exon (NM_	-15892	NR_120311	1.03E+08	Hs.36473	NR_120311	ENSG0000	LOC102724	-	uncharact	ncRNA
chr11-152	5.444806	0.852527	0.998892	0.853473	0.393397	0.981636	chr11	15232763	15233814	+	0	NA	intron (N	intron (N	84186	NM_00127	387755	Hs.591997	NM_001031	ENSG0000	INSC	-	INSC spi	protein-coding
chr19-541	5.444806	0.852527	0.998892	0.853473	0.393397	0.981636	chr19	54175674	54177473	+	0	NA	intron (N	MER20|DNA	-3413	NM_00114	147798	Hs.35512	NM_14468	ENSG0000	TMC4	-	transmem	protein-coding
chr6-8977	5.444806	0.852527	0.998892	0.853473	0.393397	0.981636	chr6	89770478	89771746	+	0	NA	intron (N	LTR35B|LT	48682	NM_014611	23195	Hs.52994	NM_014611	ENSG0000	MDN1	Rea1	midasin	protein-coding
chr7-140	5.444806	0.852527	0.998892	0.853473	0.393397	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L1ME4b|LI	44970	NM_00136	84255	Hs.446021	NM_03229	ENSG0000	SLC37A3	-	solute c	protein-coding
chr3-1522	6.840179	-0.79859	0.935709	-0.85346	0.393406	0.981636	chr3	15224519	15224733	+	0	NA	intron (N	L1ME4a|LI	18380	NM_01429	23473	Hs.595234	NM_01429	ENSG0000	CAPN7	CALPAIN7|	calpain 7	protein-coding
chr3-124	9.086009	-0.67004	0.785167	-0.85338	0.39345	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L3|LINE|	-49084	NM_03304	56667	Hs.5940	NM_03304	ENSG0000	MUC13	DRCC1|MU	mucin 13,	protein-coding
chr8-118	9.086009	-0.67004	0.785167	-0.85338	0.39345	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	L1PA7|LIN	47122	NM_000127	2131	Hs.49261	NM_000127	ENSG0000	EXT1	EXT|LGCR|	exostosi	protein-coding
chr17-42	13.07507	-0.56106	0.657751	-0.853	0.393662	0.981636	chr17	42999517	43001532	+	0	NA	intron (N	AluY|SINE	2105	NR_146327	6155	Hs.51419	NM_00098	ENSG0000	RPL27	DBA16|L27	ribosomal	protein-coding
chr1-220	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr1	22054310	22055920	+	0	NA	intron (N	AluY|SINE	2406	NM_044472	998	Hs.467637	NM_001791	ENSG0000	CDC42	CDC42Hs|	cell divi	protein-coding
chr14-75	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr14	75059759	75061894	+	0	NA	intron (N	AluSx|SIN	3198	NM_001107	97	Hs.18573	NM_001107	ENSG0000	ACYP1	ACYPE	acylphos	protein-coding
chr16-11	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr16	11903918	11904429	+	0	NA	intron (N	intron (N	11783	NM_002094	2935	Hs.52878	NM_002094	ENSG0000	GSPT1	551G9.2|	G1 to S	protein-coding
chr2-1342	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	10953	NM_00241	4249	Hs.4988	NM_00241	ENSG0000	MGAT5	GNT-V|GN	alpha-1,	protein-coding
chr8-899	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr8	89960776	89962871	+	0	NA	intron (N	intron (N	22848	NM_00248	4683	Hs.49220	NM_00248	ENSG0000	NBN	AT-V1|AT-	nibrin	protein-coding
chr9-365	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chr9	36591832	36592155	+	0	NA	intron (N	intron (N	19098	NM_014791	9833	Hs.18433	NM_014791	ENSG0000	MELK	HPK38	maternal	protein-coding
chrX-518	4.394035	-0.95884	1.124116	-0.85297	0.393673	0.981636	chrX	51806635	51807382	+	0	NA	intron (N	AluSx3|SI	3932	NM_00100	9500	Hs.5258	NM_00698	ENSG0000	MAGED1	DLXIN-1|N	MAGE fami	protein-coding
chr6-4037	8.895773	0.683803	0.802006	0.852616	0.393872	0.981636	chr6	4037482	4037775	+	0	NA	intron (N	intron (N	16328	NM_00391	8899	Hs.159014	NM_00391	ENSG0000	PRPF4B	PR4H|PRP4	pre-mRNA	protein-coding
chr19-404	8.854633	0.68313	0.801253	0.852578	0.393894	0.981636	chr19	4045835	4046169	+	0	NA	3’ UTR (N	3’ UTR (N	19527	NM_001317	51341	Hs.591384	NM_01589	ENSG0000	ZBTB7A	FBI-1|FBI	zinc fin	protein-coding
chr11-674	7.743149	0.721748	0.846615	0.85251	0.393931	0.981636	chr11	67433272	67434254	+	0	NA	intron (N	intron (N	3919	NM_00560	5790	Hs.15597	NM_00560	ENSG0000	PTPRCAP	CD45-AP|I	protein t	protein-coding
chr6-476	5.462372	0.862688	1.012082	0.85239	0.393998	0.981636	chr6	47607945	47608420	+	0	NA	intron (N	intron (N	-48290	NM_15383	222611	Hs.72486	NM_15383	ENSG0000	ADGRF2	GPR111|P	adhesion	protein-coding
chr4-122	9.384503	0.655976	0.76963	0.852327	0.394033	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	TTS (NM_	TTS (NM_	-15973	NM_13924	132612	Hs.518957	NM_13924	ENSG0000	ADAD1	Tenr	adenosin	protein-coding
chr1-7722	5.617107	-0.86078	1.010362	-0.85195	0.39424	0.981636	chr1	77221294	77221621	+	0	NA	Intergeni	AluSx|SIN	-2027	NM_005482	10026	Hs.17830	NM_005482	ENSG0000	PIGK	GPI8	phosphati	protein-coding
chr10-10	5.617107	-0.86078	1.010362	-0.85195	0.39424	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	L1ME4a|LI	13859	NM_001347	10613	Hs.150087	NM_00645	ENSG0000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr2-539	7.368199	-0.73946	0.868291	-0.85163	0.394419	0.981636	chr2	53936630	53938339	+	0	NA	exon (NM_	exon (NM_	33509	NM_014614	23198	Hs.413801	NM_014614	ENSG0000	PSME4	PA200	proteaso	protein-coding
chr2-1114	7.368199	-0.73946	0.868291	-0.85163	0.394419	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MER45A|DN	18396	NR_13616	541471	Hs.56080	NR_01539	ENSG0000	MIR4435-2	AGD2|LIN	MIR4435-2	ncRNA
chr4-495	7.368199	-0.73946	0.868291	-0.85163	0.394419	0.981636	chr4	495825	497451	+	0	NA	intron (N	PRIMA4-i	2518	NM_133474	170960	Hs.42836	NM_133474	ENSG0000	ZNF721	-	zinc fin	protein-coding
chr5-358	7.368199	-0.73946	0.868291	-0.85163	0.394419	0.981636	chr5	35862406	35863518	+	0	NA	intron (N	intron (N	6071	NM_00218	3575	Hs.591742	NM_00218	ENSG0000	IL7R	CD127|CDW	interleu	protein-coding
chr9-128	7.368199	-0.73946	0.868291	-0.85163	0.394419	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	-23207	NM_01490	22845	Hs.53156	NM_01490	ENSG0000	DOLK	CDG1M|DK|	dolichol	protein-coding
chr19-91	10.00636	0.640402	0.752585	0.850937	0.394805	0.981636	chr19	9157076	9157388	+	0	NA	intron (N	intron (N	16835	NR_10243	57693	Hs.46582	NM_02093	ENSG0000	ZNF317	-	zinc fin	protein-coding
chr1-967	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr1	96751232	96753743	+	0	NA	intron (N	intron (N	29849	NR_12535	58155	Hs.596061	NM_02119	ENSG0000	PTBP2	PTBLP|brP	polypyri	protein-coding
chr12-29	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr12	29340105	29340774	+	0	NA	3’ UTR (N	3’ UTR (N	-22591	NR_10386	1.01E+08	Hs.298851	NR_10386	ENSG0000	LOC10050	-	uncharact	ncRNA
chr14-747	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr14	74785253	74786303	+	0	NA	intron (N	intron (N	22462	NM_01958	56252	Hs.531111	NM_01958	ENSG0000	YLPM1	C14orf17	YLP motif	protein-coding
chr16-244	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr16	2443585	2444469	+	0	NA	intron (N	AluY|SINE	-1365	NR_10682	1.02E+08		NR_10682	ENSG0000	MIR6767	hsa-mir-	microRNA	ncRNA
chr19-20	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr19	20949024	20949265	+	0	NA	exon (NM_	exon (NM_	25891	NR_04583	7639	Hs.37138	NM_00342	ENSG0000	ZNF85	HPF4|HTF1	zinc fin	protein-coding
chr2-9942	7.40148	-0.73396	0.862606	-0.85086	0.394848	0.981636	chr2	99424058	99424614	+	0	NA	intron (N	intron (N	65681	NM_01631	51455	Hs.443077	NM_01631	ENSG0000	REV1	AIBP80|RE	REV1 DNA	protein-coding
chr8-2417	9.947654	0.633938	0.745233	0.850657	0.39496	0.981636	chr8	241759	247574	+	0	NA	exon (NM_	exon (NM_	12210	NM_001042	169270	Hs.59138	NM_17353	ENSG0000	ZNF596	-	zinc fin	protein-coding
chr2-471	3.188529	-1.11638	1.313171	-0.85014	0.395246	0.981636	chr2	47155436	47156322	+	0	NA	promoter-	promoter-	-571	NM_00116	285051	Hs.53157	NM_17364	ENSG0000	STPG4	C2orf61|	sperm-tai	protein-coding
chr5-4361	3.188529	-1.11638	1.313171	-0.85014	0.395246	0.981636	chr5	43616169	43617244	+	0	NA	intron (N	MER117|DN	-13476	NR_07311	1.01E+08	Hs.48204	NR_073113		NNT-AS1	-	NNT anti	ncRNA
chr6-117	3.188529	-1.11638	1.313171	-0.85014	0.395246	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	53097	NM_00136	285761	Hs.658304	NM_173674	ENSG0000	DCBLD1	dJ94G16.1	discoidi	protein-coding
chr17-42	7.717725	0.716623	0.843168	0.849917	0.395371	0.981636	chr17	42695491	42695737	+	0	NA	exon (NM_	exon (NM_	12537	NR_10683	1.02E+08		NR_10683	ENSG0000	MIR6780A	hsa-mir-	microRNA	ncRNA
chr22-194	7.717725	0.716623	0.843168	0.849917	0.395371	0.981636	chr22	19451594	19458348	+	0	NA	intron (N	intron (N	-6739	NM_17379	128977	Hs.65956	NM_17379	ENSG0000	C22orf39	-	chromoso	protein-coding
chr11-10	7.725583	0.714465	0.840631	0.849915	0.395372	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	MER52A|LT	15388	NM_001321	4863	Hs.171061	NM_00251	ENSG0000	NPAT	E14|E14/N	nuclear	protein-coding
chr13-37	7.725583	0.714465	0.840631	0.849915	0.395372	0.981636	chr13	37018815	37019624	+	0	NA	intron (N	intron (N	18433	NM_18150	11340	Hs.294041	NM_18150	ENSG0000	EXOSC8	CIP3|EAP2	exosome	protein-coding
chr15-75	7.725583	0.714465	0.840631	0.849915	0.395372	0.981636	chr15	75374835	75375649	+	0	NA	intron (N	MLT1C|LTR	-6615	NM_00125	4123	Hs.26232	NM_00671	ENSG0000	MAN2C1	MAN6A8|MA	mannosid	protein-coding
chr20-381	7.725583	0.714465	0.840631	0.849915	0.395372	0.981636	chr20	38141296	38142087	+	0	NA	intron (N	intron (N	23579	NM_00132	7052	Hs.51703	NM_00461	ENSG0000	TGM2	TG(C)|TG	transglut	protein-coding
chr1-2282	9.392361	0.654215	0.769809	0.849841	0.395414	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	MLT1H1|LT	-11328	NR_073154	574407	Hs.65003	NM_00102	ENSG0000	OBSCN-AS1	C1orf145	OBSCN ant	ncRNA
chr15-65	9.392361	0.654215	0.769809	0.849841	0.395414	0.981636	chr15	65383654	65384776	+	0	NA	exon (NM_	exon (NM_	-6213	NM_004884	9543	Hs.128292	NM_004884	ENSG0000	IGDCC3	HsT18880|	immunogl	protein-coding
chr2-4257	9.392361	0.654215	0.769809	0.849841	0.395414	0.981636	chr2	42570811	42571946	+	0	NA	intron (N	AluSz|SIN	2746	NM_00133	57504	Hs.43541	NM_020744	ENSG0000	MTA3	-	metastasi	protein-coding
chr22-24	9.980936	0.636327	0.748821	0.849771	0.395452	0.981636	chr22	24377277	24377562	+	0	NA	intron (N	FLAM_A|SI	35311	NM_001254	23384	Hs.474384	NM_01533	ENSG0000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr1-841	9.16043	-0.66258	0.779922	-0.84954	0.395579	0.981636	chr1	8413794	8414400	+	0	NA	intron (N	intron (N	9735	NM_001042	473	Hs.463041	NM_012102	ENSG0000	RERE	ARG|ARP|A	arginine-	protein-coding
chr16-311	9.16043	-0.66258	0.779922	-0.84954	0.395579	0.981636	chr16	31111825	31112024	+	0	NA	exon (NM_	exon (NM_	3538	NM_001122	10295	Hs.51352	NM_005881	ENSG0000	BCKDK	BCKDKD|BD	branched	protein-coding
chr1-1662	12.15216	0.578664	0.681241	0.849425	0.395645	0.981636	chr1	16629813	16631314	+	0	NA	intron (N	intron (N	343	NR_026752	84809	Hs.63186	NR_026752	ENSG0000	CROCCP2	CROCCL1	CROCC ps	pseudo
chr1-234	12.69959	0.567448	0.668166	0.849262	0.395735	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2605	NM_001077	359948	Hs.35026	NM_182972	ENSG0000	IRF2BP2	CVID14	interfer	protein-coding
chr19-74	76.28922	-0.29114	0.342986	-0.84885	0.395966	0.981636	chr19	7450665	7451061	+	0	NA	intron (N	intron (N	11175	NM_00113	23370	Hs.465761	NM_01531	ENSG0000	ARHGEF18	P114-Rho	Rho/Rac	protein-coding
chr16-181	7.236853	0.75359	0.887885	0.848747	0.396022	0.981636	chr16	1816383	1817003	+	0	NA	intron (N	intron (N	10132	NM_00532	3029	Hs.157394	NM_00532	ENSG0000	HAGH	GLO2|GLX2	hydroxya	protein-coding
chr21-46	7.236853	0.75359	0.887885	0.848747	0.396022	0.981636	chr21	46530526	46531263	+	0	NA	intron (N	HAL1|LINE	68423	NR_04640	1.01E+08	Hs.73716	NR_04640	ENSG0000	DIP2A-IT1	-	DIP2A int	ncRNA
chr22-297	7.236853	0.75359	0.887885	0.848747	0.396022	0.981636	chr22	29796563	29797263	+	0	NA	intron (N	intron (N	29544	NM_013387	29796	Hs.284292	NM_013387	ENSG0000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr1-2037	12.18544	0.580652	0.684394	0.848417	0.396206	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluSq2|SI	-4344	NR_00301	677843	Hs.67613	NR_00301	ENSG0000	SNORA77	ACA63|SN	small nu	snoRNA
chr19-112	12.18544	0.580652	0.684394	0.848417	0.396206	0.981636	chr19	11220333	11223446	+	0	NA	exon (NM_	exon (NM_	-17730	NM_018687	55908	Hs.534467	NM_018687	ENSG0000	ANGPTL8	C19orf80|	angiopoi	protein-coding
chr1-3627	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr1	36275476	36275916	+	0	NA	intron (N	L1M4|LINE	-30672	NM_001162	79729	Hs.52449	NM_02467	ENSG0000	SH3D21	C1orf113	SH3 domai	protein-coding
chr10-297	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr10	29708587	29709002	+	0	NA	intron (N	intron (N	27007	NM_003174	6840	Hs.49920	NM_003174	ENSG0000	SVIL	-	supervill	protein-coding
chr11-337	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr11	33705617	33706109	+	0	NA	3’ UTR (N	3’ UTR (N	-5123	NM_00116	1E+08	Hs.70946	NM_00116	ENSG0000	C11orf91	-	chromoso	protein-coding
chr12-957	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr12	95746862	95747669	+	0	NA	intron (N	intron (N	42930	NM_00132	59277	Hs.201034	NM_02122	ENSG0000	NTN4	PRO3091	netrin 4	protein-coding
chr15-384	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr15	38475452	38477169	+	0	NA	intron (N	HAL1|LINE	22183	NM_173611	283742	Hs.6799	NM_173611	ENSG0000	FAM98B	-	family wi	protein-coding
chr17-60	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr17	60062271	60062884	+	0	NA	intron (N	intron (N	16354	NM_02207	63897	Hs.22189	NM_02207	ENSG0000	HEATR6	ABC1	HEAT rep	protein-coding
chr19-484	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr19	48479816	48481022	+	0	NA	3’ UTR (N	3’ UTR (N	11050	NM_00422	9266	Hs.144011	NM_00422	ENSG0000	CYTH2	ARNO|CTS1	cytohesi	protein-coding
chr3-1504	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	21232	NM_00130	9819	Hs.72247	NM_01477	ENSG0000	TSC22D2	TILZ4a|TI	TSC22 do	protein-coding
chr5-806	4.419459	-0.94637	1.115698	-0.84823	0.39631	0.981636	chr5	80630843	80632301	+	0	NA	intron (N	intron (N	-9048	NR_125754	1.04E+08	Hs.74003	NR_125754	ENSG0000	LINC01337	TCONS_00	long int	ncRNA
chr3-1571	9.152572	-0.66122	0.77974	-0.848	0.396436	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	Intergeni	SVA_A|Ret	-17666	NM_020307	57018	Hs.4859	NM_020307	ENSG0000	CCNL1	ANIA6A|BM	cyclin L1	protein-coding
chr7-923	9.152572	-0.66122	0.77974	-0.848	0.396436	0.981636	chr7	92390997	92391227	+	0	NA	intron (N	intron (N	46202	NR_145992	1.05E+08		NM_001317	ENSG0000	TMBIM7P	-	transmem	pseudo
chr20-347	9.111433	-0.66424	0.783555	-0.84772	0.396591	0.981636	chr20	34789380	34789934	+	0	NA	intron (N	AluJb|SIN	-7253	NM_001242	23054	Hs.368971	NM_014071	ENSG0000	NCOA6	AIB3|ASC2	nuclear	protein-coding
chr6-564	9.111433	-0.66424	0.783555	-0.84772	0.396591	0.981636	chr6	56488621	56489647	+	0	NA	intron (N	intron (N	-95006	NM_00131	81578	Hs.47629	NM_03082	ENSG0000	COL21A1	COLA1L|FF	collagen	protein-coding
chr7-358	9.111433	-0.66424	0.783555	-0.84772	0.396591	0.981636	chr7	35856024	35856621	+	0	NA	intron (N	L1MC1|LIN	55103	NM_00136	989	Hs.19134	NM_00178	ENSG0000	SEPTIN7	CDC10|CD	septin 7	protein-coding
chr11-93	6.865603	-0.79033	0.932323	-0.8477	0.396606	0.981636	chr11	9387805	9388081	+	0	NA	intron (N	AluSp|SIN	3291	NM_006391	10527	Hs.744911	NM_006391	ENSG0000	IPO7	Imp7|RANB	importin	protein-coding
chr6-1327	5.732853	1.521967	1.795724	0.84755	0.396688	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYh3|SI	2404	NM_052831	116843	Hs.347144	NM_052831	ENSG0000	SLC18B1	C6orf192|	solute c	protein-coding
chr1-4361	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr1	43616927	43618298	+	0	NA	intron (N	intron (N	-32537	NM_01466	9682	Hs.15598	NM_01466	ENSG0000	KDM4A	JHDM3A|JM	lysine d	protein-coding
chr1-4431	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr1	44314593	44315669	+	0	NA	intron (N	intron (N	40126	NM_02406	79033	Hs.73141	NM_02406	ENSG0000	ERI3	PINT1|PRN	ERI1 exo	protein-coding
chr1-223	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	7118	NR_13211	441124	Hs.52058	NR_132119		GTF2IP20	-	general t	pseudo
chr1-225	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	18907	NM_00012	2052	Hs.89649	NM_00012	ENSG0000	EPHX1	EPHX|EPO	epoxide	protein-coding

chr16-317	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr16	31750939	31752384	+	0	NA	intron (N	L1P4|LINE	38432	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr16-683	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr16	68322001	68322350	+	0	NA	intron (N	intron (N	11061	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr19-122	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr19	12236540	12237500	+	0	NA	Intergeni	MER57E3|L	42005	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr19-359	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr19	35941859	35942455	+	0	NA	intron (N	AluYm1|SI	-4958	NR_136525	1.05E+08	Hs.641592	NR_136525		LOC105372	-	uncharact	ncRNA
chr21-462	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr21	46208062	46211257	+	0	NA	intron (N	intron (N	-15500	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr3-3798	5.460522	0.846349	0.998774	0.847388	0.396779	0.981636	chr3	37980554	37983258	+	0	NA	3’ UTR (N	3’ UTR (N	-11681	NM_015873	50853	Hs.103665	NM_015873	ENSG00000	VILL	-	villin li	protein-coding
chr5-8147	11.31427	-0.59921	0.70732	-0.84716	0.396906	0.981636	chr5	81473208	81473768	+	0	NA	intron (N	L1PA8|LIN	-79354	NM_130767	134526	Hs.591756	NM_130767	ENSG00000	ACOT12	CACH-1|Ca	acyl-CoA	protein-coding
chr12-301	6.932166	-0.77789	0.918265	-0.84713	0.396924	0.981636	chr12	301829	302130	+	0	NA	intron (N	L1PA7|LIN	-39106	NM_001190	6540	Hs.504398	NM_016615	ENSG00000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr4-1188	6.932166	-0.77789	0.918265	-0.84713	0.396924	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L2c|LINE|	8903	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr20-380	7.735291	0.724064	0.854743	0.847112	0.396932	0.981636	chr20	38063902	38064539	+	0	NA	intron (N	intron (N	30474	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatio	protein-coding
chr9-1364	4.897371	0.913331	1.078433	0.846906	0.397047	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-2675	NM_152571	158055	Hs.212613	NM_152571		C9orf163	-	chromosom	protein-coding
chr15-307	5.675812	-0.84343	0.995921	-0.84689	0.397059	0.981636	chr15	30730979	30731367	+	0	NA	intron (N	intron (N	72456	NR_038255	1E+08	Hs.668950	NR_038253	ENSG00000	LOC100288	-	OTU deubi	pseudo
chr16-244	5.675812	-0.84343	0.995921	-0.84689	0.397059	0.981636	chr16	2446257	2447188	+	0	NA	intron (N	intron (N	1330	NR_106825	1.02E+08		NR_106825	ENSG00000	MIR6767	hsa-mir-6	microRNA	ncRNA
chr4-8806	5.675812	-0.84343	0.995921	-0.84689	0.397059	0.981636	chr4	88063353	88063833	+	0	NA	intron (N	Tigger6a|	55958	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr7-5602	5.675812	-0.84343	0.995921	-0.84689	0.397059	0.981636	chr7	56027849	56028347	+	0	NA	intron (N	intron (N	23346	NM_001370	5723	Hs.512656	NM_004577	ENSG00000	PSPH	PSP|PSPHL	phosphose	protein-coding
chr17-756	5.642531	-0.85093	1.005244	-0.84649	0.39728	0.981636	chr17	75680686	75680885	+	0	NA	intron (N	AluJb|SIN	13447	NM_013260	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTR	SAP30 bin	protein-coding
chr5-8737	5.642531	-0.85093	1.005244	-0.84649	0.39728	0.981636	chr5	87370504	87371207	+	0	NA	intron (N	intron (N	42049	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr7-1210	4.468456	-0.94187	1.112785	-0.8464	0.397327	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	FLAM_A|SI	82165	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr18-129	4.460598	-0.93931	1.109807	-0.84638	0.397343	0.981636	chr18	12971346	12972088	+	0	NA	intron (N	L2c|LINE|	-19645	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr4-7879	4.460598	-0.93931	1.109807	-0.84638	0.397343	0.981636	chr4	78794730	78795369	+	0	NA	intron (N	intron (N	18671	NM_198892	55589	Hs.146551	NM_017593	ENSG00000	BMP2K	BIKE|HRIH	BMP2 indu	protein-coding
chr9-1377	4.460598	-0.93931	1.109807	-0.84638	0.397343	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	35176	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-8558	21.97981	-0.44344	0.523942	-0.84636	0.397355	0.981636	chr1	85581111	85583536	+	0	NA	intron (N	intron (N	1562	NM_001554	3491	Hs.8867	NM_001554	ENSG00000	CCN1	CYR61|GIG	cellular	protein-coding
chr1-1851	9.955512	0.632293	0.747175	0.846245	0.397416	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	L1M7|LINE	22105	NM_030934	81627	Hs.107149	NM_030934	ENSG00000	TRMT1L	C1orf25|M	tRNA meth	protein-coding
chr1-2077	9.955512	0.632293	0.747175	0.846245	0.397416	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	9579	NM_172356	4179	Hs.510402	NM_002389	ENSG00000	CD46	AHUS2|MCP	CD46 mole	protein-coding
chr19-521	9.955512	0.632293	0.747175	0.846245	0.397416	0.981636	chr19	52156855	52165237	+	0	NA	intron (N	MIR|SINE|	10575	NM_001102	162962	Hs.631584	NM_001102	ENSG00000	ZNF836	-	zinc fing	protein-coding
chr8-1022	9.955512	0.632293	0.747175	0.846245	0.397416	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	14226	NM_001172	50484	Hs.512592	NM_015713	ENSG00000	RRM2B	MTDPS8A|M	ribonucle	protein-coding
chr16-302	13.00065	-0.56623	0.66913	-0.84622	0.397431	0.981636	chr16	30288275	30288614	+	0	NA	intron (N	AluJo|SIN	-40031	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr1-2355	12.67417	0.564203	0.666745	0.846205	0.397438	0.981636	chr1	23557487	23559335	+	0	NA	3’ UTR (N	3’ UTR (N	1090	NM_002167	3399	Hs.76884	NM_002167	ENSG00000	ID3	HEIR-1|bH	inhibitor	protein-coding
chr16-340	12.67417	0.564203	0.666745	0.846205	0.397438	0.981636	chr16	3403837	3409864	+	0	NA	TTS (NM_0	TTS (NM_0	5635	NM_001347	7727	Hs.155204	NM_003450	ENSG00000	ZNF174	ZSCAN8	zinc fing	protein-coding
chr7-6445	12.67417	0.564203	0.666745	0.846205	0.397438	0.981636	chr7	6445609	6445854	+	0	NA	intron (N	AluSz|SIN	2223	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr1-1114	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr1	11146406	11146951	+	0	NA	exon (NM_	exon (NM_	2780	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr1-2064	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr1	20644185	20644700	+	0	NA	intron (N	intron (N	7751	NR_046507	1.01E+08	Hs.710259	NR_046507	ENSG00000	PINK1-AS	NAPINK1|P	PINK1 ant	ncRNA
chr11-642	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr11	64281228	64282717	+	0	NA	intron (N	AluSc|SIN	-2367	NM_001170	56834	Hs.523763	NM_020155	ENSG00000	GPR137	C11orf4|G	G protein	protein-coding
chr11-690	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr11	69055436	69055635	+	0	NA	intron (N	intron (N	6603	NM_139075	219931	Hs.131851	NM_139075	ENSG00000	TPCN2	SHEP10|TP	two pore	protein-coding
chr11-130	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-14686	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr14-105	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	21823	NM_145685	2972	Hs.424484	NM_001519	ENSG00000	BRF1	BRF|BRF-1	BRF1 RNA	protein-coding
chr2-2082	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluJr4|SI	6540	NM_001282	3417	Hs.593422	NM_005896	ENSG00000	IDH1	HEL-216|H	isocitrat	protein-coding
chr3-4885	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr3	48858593	48859385	+	0	NA	intron (N	intron (N	11052	NR_109996	1.01E+08	Hs.634259	NR_109996	ENSG00000	PRKAR2A-A	-	PRKAR2A a	ncRNA
chr8-1438	7.178147	0.745127	0.880686	0.846076	0.39751	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2390	NR_106904	1.02E+08		NR_106904	ENSG00000	MIR6845	hsa-mir-6	microRNA	ncRNA
chr22-403	12.11888	0.576649	0.682286	0.845172	0.398015	0.981636	chr22	40300708	40301607	+	0	NA	exon (NM_	exon (NM_	-45343	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr22-376	11.33184	-0.59343	0.702455	-0.84479	0.398226	0.981636	chr22	37676457	37679884	+	0	NA	intron (N	L2b|LINE|	2534	NM_002305	3956	Hs.445351	NM_002305	ENSG00000	LGALS1	GAL1|GBP	galectin	protein-coding
chr5-7376	11.33184	-0.59343	0.702455	-0.84479	0.398226	0.981636	chr5	73767183	73767604	+	0	NA	intron (N	THE1B-int	-46153	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr1-1798	9.92223	0.629923	0.745685	0.844757	0.398246	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	19305	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr2-4431	9.92223	0.629923	0.745685	0.844757	0.398246	0.981636	chr2	44310032	44315241	+	0	NA	exon (NM_	exon (NM_	37156	NM_000341	6519	Hs.112916	NM_000341	ENSG00000	SLC3A1	ATR1|CSNU	solute ca	protein-coding
chr1-1469	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	LTR5_Hs|L	10133	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr15-779	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr15	77998716	77999244	+	0	NA	intron (N	intron (N	-4755	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr16-156	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr16	15616662	15617835	+	0	NA	intron (N	intron (N	-6153	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr19-628	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr19	628517	628890	+	0	NA	intron (N	L1M4|LINE	4834	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr22-504	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr22	50453649	50457157	+	0	NA	exon (NM_	exon (NM_	19632	NM_002972	6305	Hs.589924	NM_002972	ENSG00000	SBF1	CMT4B3|DE	SET bindi	protein-coding
chr9-1334	7.733441	0.712339	0.843414	0.84459	0.39834	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	MER54B|LT	-4009	NR_024514	11093	Hs.131433	NM_139025	ENSG00000	ADAMTS13	ADAM-TS13	ADAM meta	protein-coding
chr11-948	7.709867	0.718874	0.85127	0.844473	0.398405	0.981636	chr11	94824151	94824439	+	0	NA	intron (N	MER6B|DNA	55939	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr1-3237	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr1	32373503	32379270	+	0	NA	non-codin	non-codin	13847	NM_052841	81629	Hs.512763	NM_052841	ENSG00000	TSSK3	SPOGA3|ST	testis sp	protein-coding
chr1-1228	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1375699	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2042	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-27634	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra	protein-coding
chr10-100	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr10	1E+08	1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7289	NM_018294	55280	Hs.215502	NM_018294	ENSG00000	CWF19L1	C19L1|SCA	CWF19 lik	protein-coding
chr14-103	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	49211	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr16-294	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr16	29400321	29400898	+	0	NA	intron (N	intron (N	3936	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr17-425	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr17	42583465	42584164	+	0	NA	intron (N	AluSq2|SI	-5983	NM_013290	29893	Hs.383019	NM_013290	ENSG00000	PSMC3IP	GT198|HOP	PSMC3 int	protein-coding
chr18-764	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr18	76440120	76441946	+	0	NA	intron (N	intron (N	-50619	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr18-797	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr18	79714503	79715805	+	0	NA	exon (NM_	exon (NM_	33724	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr19-367	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr19	36726760	36730524	+	0	NA	Intergeni	HAL1M8|LI	24961	NM_001363	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing	protein-coding
chr20-399	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr20	3998879	4000240	+	0	NA	intron (N	AluSp|SIN	15999	NM_001134	11237	Hs.547576	NM_007219	ENSG00000	RNF24	G1L	ring fing	protein-coding
chr22-378	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr22	37831458	37834576	+	0	NA	exon (NM_	exon (NM_	9635	NM_003614	8484	Hs.158353	NM_003614	ENSG00000	GALR3	-	galanin r	protein-coding
chr22-430	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr22	43063565	43064605	+	0	NA	intron (N	intron (N	25306	NM_012263	25809	Hs.660298	NM_012263	ENSG00000	TTLL1	C22orf7|H	tubulin t	protein-coding
chr22-505	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr22	50504597	50506275	+	0	NA	exon (NM_	exon (NM_	2266	NM_033200	91289	Hs.150540	NM_033200	ENSG00000	LMF2	TMEM112B|	lipase ma	protein-coding
chr7-9944	7.700159	0.709412	0.840181	0.844357	0.39847	0.981636	chr7	99442906	99455528	+	0	NA	intron (N	intron (N	9841	NM_001318	10898	Hs.489287	NM_006693	ENSG00000	CPSF4	CPSF30|NA	cleavage	protein-coding
chr1-1012	7.692301	0.711551	0.842718	0.844353	0.398472	0.981636	chr1	10129457	10133484	+	0	NA	intron (N	AluSx|SIN	-79100	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr17-286	7.692301	0.711551	0.842718	0.844353	0.398472	0.981636	chr17	28653355	28653554	+	0	NA	intron (N	L1MC3|LIN	-8295	NM_001363	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr4-7705	9.078151	-0.66868	0.791955	-0.84434	0.398478	0.981636	chr4	77055046	77055683	+	0	NA	exon (NM_	exon (NM_	19546	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr17-489	11.68885	0.59982	0.710542	0.844174	0.398572	0.981636	chr17	48913285	48913537	+	0	NA	intron (N	AluSc|SIN	-4428	NR_135674	1.05E+08	Hs.655254	NR_135674	ENSG00000	LOC105371	-	uncharact	ncRNA
chr6-1579	8.98776	0.693291	0.821432	0.844002	0.398668	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-42881	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr19-565	12.68203	0.562914	0.666968	0.843989	0.398675	0.981636	chr19	56546891	56555321	+	0	NA	3’ UTR (N	3’ UTR (N	12158	NM_020828	140612	Hs.14794	NM_020828	ENSG00000	ZFP28	mkr5	ZFP28 zin	protein-coding
chr6-5710	8.642118	-0.69497	0.823574	-0.84384	0.398757	0.981636	chr6	57107820	57108183	+	0	NA	3’ UTR (N	3’ UTR (N	17813	NM_001031	26036	Hs.485628	NM_015555	ENSG00000	ZNF451	COASTER|c	zinc fing	protein-coding
chr22-404	7.137008	0.744359	0.882393	0.843568	0.398911	0.981636	chr22	40404592	40404878	+	0	NA	intron (N	intron (N	34141	NM_001350	27352	Hs.474914	NM_015705	ENSG00000	SGSM3	CIP85|MAP	small G p	protein-coding
chr1-2357	5.436948	0.855681	1.014473	0.843474	0.398963	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-78528	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G protein	protein-coding
chr3-6412	5.436948	0.855681	1.014473	0.843474	0.398963	0.981636	chr3	64129693	64130600	+	0	NA	intron (N	intron (N	26676	NR_046701	1.01E+08	Hs.668874	NR_046701		PRICKLE2-	-	PRICKLE2	ncRNA
chr11-175	6.648278	0.788618	0.935376	0.843102	0.399171	0.981636	chr11	1755054	1755550	+	0	NA	intron (N	intron (N	-4707	NM_001170	402778	Hs.121575	NM_001170	ENSG00000	IFITM10	DSPA3	interfero	protein-coding
chr12-144	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr12	14429790	14431137	+	0	NA	intron (N	intron (N	45182	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr14-212	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr14	21205020	21206480	+	0	NA	promoter-	promoter-	-247	NR_038970	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr17-302	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr17	30288366	30289247	+	0	NA	intron (N	AluSz|SIN	3138	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr4-7889	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr4	78894496	78894945	+	0	NA	intron (N	Tigger1|D	44718	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr5-1723	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr5	17232449	17232741	+	0	NA	intron (N	intron (N	14964	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr7-1023	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MEc|LIN	6812	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr7-1355	7.393622	-0.73223	0.86858	-0.84302	0.39922	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	37092	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr17-188	9.400219	0.652387	0.773886	0.843001	0.399228	0.981636	chr17	1884105	1886634	+	0	NA	intron (N	Tigger1|D	55364	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTO	replicati	protein-coding
chr1-1494	12.16002	0.577272	0.685328	0.84233	0.399603	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	Intergeni	Intergeni	-1333	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr19-249	12.71531	0.564874	0.670999	0.84184	0.399877	0.981636	chr19	24944763	24946356	+	0	NA	Intergeni	ALR/Alpha	-782112	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-795	5.427241	0.842489	1.001053	0.841603	0.40001	0.981636	chr13	79558091	79559526	+	0	NA	Intergeni	AluSx1|SI	-7919	NR_125772	1.04E+08	Hs.434862	NR_125772	ENSG00000	LINC01068	-	long inte	ncRNA
chr10-119	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	18638	NR_110305	119559	Hs.655168	NM_178867	ENSG00000	SFXN4	BCRM1|COX	siderofle	protein-coding
chr11-413	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr11	4136301	4137241	+	0	NA	intron (N	SVA_D|Ret	20693	NM_001330	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|R	ribonucle	protein-coding
chr12-132	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	FLAM_C|SI	33223	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|FI	DNA polym	protein-coding
chr13-113	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	24156	NM_007111	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr14-496	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr14	49604669	49605079	+	0	NA	intron (N	intron (N	5934	NM_152329	122769	Hs.451090	NM_152329	ENSG00000	LRR1	4-1BBLRR|	leucine r	protein-coding
chr16-682	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr16	68271338	68272479	+	0	NA	intron (N	AluSc|SIN	7382	NM_001076	9057	Hs.679580	NM_003983	ENSG00000	SLC7A6	LAT-2|LAT	solute ca	protein-coding
chr2-2162	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	55316	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr3-1415	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	-84932	NR_136190	646730	Hs.570677	NR_136190		LINC02618	-	long inte	ncRNA
chr8-4252	4.45274	-0.93663	1.112948	-0.84158	0.400026	0.981636	chr8	42523029	42523880	+	0	NA	intron (N	intron (N	-17694	NM_001135	114926	Hs.655320	NM_138436	ENSG00000	SMIM19	C8orf40	small int	protein-coding
chr1-1204	9.4335	0.654812	0.778081	0.841573	0.400027	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-12117	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr13-110	10.84681	-0.61224	0.727565	-0.84149	0.400073	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	7942	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr11-374	7.450478	-0.73158	0.8694	-0.84148	0.400078	0.981636	chr11	3740186	3740584	+	0	NA	intron (N	AluSz|SIN	57161	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr8-1447	7.450478	-0.73158	0.8694	-0.84148	0.400078	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	2224	NM_138367	90987	Hs.534516	NM_138367	ENSG00000	ZNF251	-	zinc fing	protein-coding
chr1-1081	7.211429	0.748096	0.889152	0.84136	0.400147	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	SVA_D|Ret	32154	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr16-411	7.211429	0.748096	0.889152	0.84136	0.400147	0.981636	chr16	411894	412377	+	0	NA	3’ UTR (N	3’ UTR (N	10250	NM_020664	26063	Hs.628831	NM_020664	ENSG00000	DECR2	PDCR|SDR1	2,4-dienc	protein-coding
chr17-552	7.211429	0.748096	0.889152	0.84136	0.400147	0.981636	chr17	552508	552855	+	0	NA	intron (N	intron (N	-106741	NM_182705	359845	Hs.345588	NM_182705	ENSG00000	RFLNB	CFM1|FAM1	refilin B	protein-coding
chr20-492	7.211429	0.748096	0.889152	0.84136	0.400147	0.981636	chr20	49231951	49232573	+	0	NA	intron (N	L1MC5a|LI	12967	NM_017895	55661	Hs.65234	NM_017895	ENSG00000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr9-1250	7.211429	0.748096	0.889152	0.84136	0.400147	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L1ME4a|LI	-77609	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr1-1000	7.434762	-0.72835	0.866096	-0.84095	0.400373	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	25697	NM_033055	64645	Hs.124156	NM_033055	ENSG00000	MFSD14A	HIAT1	major fac	protein-coding
chr10-313	7.434762	-0.72835	0.866096	-0.84095	0.400373	0.981636	chr10	31306408	31306682	+	0	NA	Intergeni	L1PA3|LIN	-11872	NM_001323	6935	Hs.124503	NM_030751	ENSG00000	ZEB1	AREB6|BZP	zinc fing	protein-coding
chr2-2034	7.434762	-0.72835	0.866096	-0.84095	0.400373	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSz|SIN	39920	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr6-1472	7.434762	-0.72835	0.866096	-0.84095	0.400373	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	AluY|SINE	-69122	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr16-359	7.144866	0.742004	0.882487	0.84081	0.400455	0.981636	chr16	3592265	3592588	+	0	NA	intron (N	intron (N	-15023	NR_075083	197358	Hs.592091	NM_178844	ENSG00000	NLRC3	CLR16.2|N	NLR famil	protein-coding
chrX-5360	7.144866	0.742004	0.882487	0.84081	0.400455	0.981636	chrX	53604256	53604608	+	0	NA	intron (N	intron (N	-47158	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr10-680	7.360341	-0.73777	0.877599	-0.84067	0.400533	0.981636	chr10	68060280	68060518	+	0	NA	intron (N	AluSg|SIN	14884	NM_001278	26091	Hs.51891	NM_015601	ENSG00000	HERC4	-	HECT and	protein-coding
chr7-1029	7.360341	-0.73777	0.877599	-0.84067	0.400533	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	27220	NM_005824	10234	Hs.567412	NM_005824	ENSG00000	LRRC17	P37NB	leucine r	protein-coding
chr11-185	5.419383	0.845545	1.006183	0.84035	0.400712	0.981636	chr11	18572805	18573269	+	0	NA	intron (N	Charlie19	6481	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr16-142	5.419383	0.845545	1.006183	0.84035	0.400712	0.981636	chr16	14223485	14223826	+	0	NA	intron (N	L1MB3|LIN	36969	NM_001365	57496	Hs.49143	NM_014048	ENSG00000	MRTFB	MKL2|MRTF	myocardin	protein-coding
chr1-1471	9.930088	0.628265	0.747628	0.840344	0.400716	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	non-codin	non-codin	12907	NR_103870	5565	Hs.50732	NM_005399	ENSG00000	PRKAB2	-	protein k	protein-coding
chr16-185	9.930088	0.628265	0.747628	0.840344	0.400716	0.981636	chr16	18519332	18520435	+	0	NA	intron (N	intron (N	-25307	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr19-442	9.930088	0.628265	0.747628	0.840344	0.400716	0.981636	chr19	44296968	44299636	+	0	NA	intron (N	L2a|LINE|	6723	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr3-7573	9.930088	0.628265	0.747628	0.840344	0.400716	0.981636	chr3	75730772	75734375	+	0	NA	intron (N	MLT1A0|LT	-5707	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr15-780	7.12915	0.746641	0.888513	0.840327	0.400725	0.981636	chr15	78052861	78053591	+	0	NA	intron (N	Tigger11a	24426	NM_144572	23102	Hs.567426	NM_015079	ENSG00000	TBC1D2B	-	TBC1 doma	protein-coding
chr19-622	5.493804	0.850079	1.011867	0.840109	0.400847	0.981636	chr19	6226587	6227198	+	0	NA	intron (N	intron (N	53083	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr11-948	6.127561	-0.79458	0.945886	-0.84004	0.400884	0.981636	chr11	94850119	94850426	+	0	NA	intron (N	intron (N	81916	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding

chr14-347	6.127561	-0.79458	0.945886	-0.84004	0.400884	0.981636	chr14	34775474	34776839	+	0	NA	exon (NM_	exon (NM_	-61333	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr15-487	6.127561	-0.79458	0.945886	-0.84004	0.400884	0.981636	chr15	48741061	48741612	+	0	NA	intron (N	HAL1ME|LI	69733	NM_014985	22995	Hs.443005	NM_014985	ENSG00000	CEP152	MCPH4|MCF	centrosom	protein-coding
chr16-184	6.127561	-0.79458	0.945886	-0.84004	0.400884	0.981636	chr16	18499090	18499484	+	0	NA	TTS (NM_1	TTS (NM_1	-4711	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr3-9484	6.127561	-0.79458	0.945886	-0.84004	0.400884	0.981636	chr3	9484254	9485202	+	0	NA	Intergeni	L1MC2|LIN	69094	NM_198560	375323	Hs.56782	NM_198560	ENSG00000	LHFPL4	GARLH4	LHFPL tet	protein-coding
chr1-9444	15.42426	0.51635	0.614785	0.839887	0.400972	0.981636	chr1	94449174	94450846	+	0	NA	intron (N	HERVK9-ir	31621	NM_002858	5825	Hs.700576	NM_002858	ENSG00000	ABCD3	ABC43|CBA	ATP bindi	protein-coding
chr19-270	15.42426	0.51635	0.614785	0.839887	0.400972	0.981636	chr19	27076526	27077680	+	0	NA	Intergeni	ALR/Alpha	-716328	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4932	28.87428	0.399333	0.475563	0.839707	0.401073	0.981636	chr5	49325611	49326176	+	0	NA	Intergeni	ALR/Alpha	1115395	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr8-3879	5.716952	-0.83786	0.997836	-0.83968	0.401088	0.981636	chr8	38794685	38795441	+	0	NA	intron (N	intron (N	6957	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr9-7030	11.36512	-0.58995	0.70267	-0.83959	0.40114	0.981636	chr9	70301421	70302922	+	0	NA	intron (N	AluSx|SIN	43193	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr1-1234	18.59652	0.471842	0.562018	0.83955	0.401161	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1904312	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-3988	6.370864	-0.85099	1.013966	-0.83927	0.401318	0.981636	chr4	39886377	39886576	+	0	NA	intron (N	AluSp|SIN	91435	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr3-1237	11.35726	-0.58884	0.701628	-0.83925	0.40133	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	43925	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr1-1231	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr1	12318148	12318579	+	0	NA	intron (N	intron (N	88333	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-1924	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr1	19241935	19244817	+	0	NA	intron (N	intron (N	8148	NM_001271	23065	Hs.439200	NM_015047	ENSG00000	EMC1	CAVIPMR|K	ER membra	protein-coding
chr1-1569	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	AluJr|SIN	-14311	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr1-1656	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	21749	NM_004528	4259	Hs.191734	NM_004528	ENSG00000	MGST3	GST-III	microsoma	protein-coding
chr1-1838	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MD3|LIN	94405	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr10-113	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr10	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	23963	NM_001349	6934	Hs.593995	NM_030756	ENSG00000	TCF7L2	TCF-4|TCF	transcrip	protein-coding
chr11-714	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr11	71482874	71486899	+	0	NA	intron (N	(AGTGTG)r	11383	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr12-122	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4274	NM_019887	56616	Hs.169611	NM_019887	ENSG00000	DIABLO	DFNA64|SM	diablo IA	protein-coding
chr14-677	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr14	67788126	67790794	+	0	NA	exon (NM_	exon (NM_	27130	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr15-526	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr15	52609217	52612108	+	0	NA	intron (N	intron (N	-41216	NM_001306	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr15-722	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr15	72241068	72241470	+	0	NA	TTS (NR_1	TTS (NR_1	-9645	NM_001206	5315	Hs.534770	NM_002654	ENSG00000	PKM	CTHBP|HEI	pyruvate	protein-coding
chr16-864	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr16	8641854	8645685	+	0	NA	intron (N	AluSx|SIN	22071	NR_134608	79091	Hs.306380	NM_024109	ENSG00000	METTL22	C16orf68	methyltra	protein-coding
chr17-121	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr17	12118287	12118486	+	0	NA	intron (N	Tigger4|D	36487	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr17-182	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr17	18263175	18265562	+	0	NA	exon (NM_	exon (NM_	3258	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochond	protein-coding
chr17-290	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr17	29085785	29098954	+	0	NA	exon (NM_	exon (NM_	-16760	NM_004740	9220	Hs.462590	NM_004740	ENSG00000	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr19-237	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr19	23744153	23744755	+	0	NA	exon (NM_	exon (NM_	14437	NM_138286	148213	Hs.399952	NM_138286	ENSG00000	ZNF681	-	zinc fing	protein-coding
chr19-403	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr19	40321902	40326795	+	0	NA	intron (N	intron (N	24049	NR_046202	126526	Hs.631557	NM_178830	ENSG00000	C19orf47	-	chromosom	protein-coding
chr2-7026	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr2	70264858	70267778	+	0	NA	intron (N	MLT1D|LTR	8181	NM_016297	51449	Hs.567502	NM_016297	ENSG00000	PCYOX1	PCL1	prenylcys	protein-coding
chr2-1137	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	THE1D|LTR	-5699	NR_039943	1.01E+08		NR_039943	ENSG00000	MIR4782	-	microRNA	ncRNA
chr22-504	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr22	50458534	50464586	+	0	NA	exon (NM_	exon (NM_	13475	NM_002972	6305	Hs.589924	NM_002972	ENSG00000	SBF1	CMT4B3|DE	SET bindi	protein-coding
chr3-1969	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-8536	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr4-3235	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr4	3235435	3236486	+	0	NA	intron (N	intron (N	-8409	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr6-3528	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr6	35289275	35293597	+	0	NA	intron (N	intron (N	-6382	NM_022047	50619	Hs.15476	NM_022047	ENSG00000	DEF6	IBP|SLAT|	DEF6 guar	protein-coding
chr6-4413	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr6	44134734	44150081	+	0	NA	intron (N	AluSx4|SI	14853	NM_018426	55362	Hs.414473	NM_018426	ENSG00000	TMEM63B	C6orf110	transmemb	protein-coding
chr6-8329	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr6	83292543	83292917	+	0	NA	intron (N	L1PA7|LIN	-98830	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr7-2598	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr7	2598280	2599647	+	0	NA	intron (N	intron (N	-33023	NM_025250	80727	Hs.440899	NM_025250	ENSG00000	TTYH3	-	tweety fa	protein-coding
chr7-1392	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	28821	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr9-7171	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr9	71710937	71712754	+	0	NA	intron (N	intron (N	56668	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr9-9271	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr9	92715877	92716076	+	0	NA	intron (N	intron (N	-45845	NM_022755	64768	Hs.459896	NM_022755	ENSG00000	IPPK	C9orf12|I	inositol-	protein-coding
chr9-1101	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	MIRb|SINE	-23457	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1276	7.708017	0.707269	0.842964	0.839026	0.401454	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	36969	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr17-821	7.684443	0.713747	0.850822	0.838891	0.401531	0.981636	chr17	82197738	82198223	+	0	NA	intron (N	MLT2B1|LT	14862	NM_001316	284001	Hs.631724	NM_152675	ENSG00000	CCDC57	-	coiled-cc	protein-coding
chr19-374	7.684443	0.713747	0.850822	0.838891	0.401531	0.981636	chr19	37444299	37444633	+	0	NA	intron (N	L1ME3|LIN	22978	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr20-333	7.684443	0.713747	0.850822	0.838891	0.401531	0.981636	chr20	33391042	33391623	+	0	NA	intron (N	MER3|DNA|	10187	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr17-637	9.103575	-0.66281	0.790329	-0.83865	0.401667	0.981636	chr17	63776664	63777016	+	0	NA	intron (N	MIR|SINE|	2651	NM_007372	11325	Hs.702010	NM_007372	ENSG00000	DDX42	DDX42P|RH	DEAD-box	protein-coding
chr21-451	9.103575	-0.66281	0.790329	-0.83865	0.401667	0.981636	chr21	45185158	45189974	+	0	NA	intron (N	L1ME3Cz|L	35036	NM_001346	104	Hs.474018	NM_001112	ENSG00000	ADARB1	ADAR2|DRA	adenosine	protein-coding
chr1-1121	8.934234	1.065201	1.270318	0.838531	0.401733	0.981636	chr1	11216088	11216425	+	0	NA	intron (N	intron (N	26901	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr10-119	6.160843	-0.78785	0.939572	-0.83852	0.401741	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	5631	NM_004281	9531	Hs.523309	NM_004281	ENSG00000	BAG3	BAG-3|BIS	BCL2 asso	protein-coding
chr14-526	6.160843	-0.78785	0.939572	-0.83852	0.401741	0.981636	chr14	52677669	52678062	+	0	NA	intron (N	AluJr4|SI	17693	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|EF	endoplasm	protein-coding
chr16-503	6.160843	-0.78785	0.939572	-0.83852	0.401741	0.981636	chr16	50312262	50313282	+	0	NA	intron (N	intron (N	20156	NR_106829	1.02E+08		NR_106829	ENSG00000	MIR6771	hsa-mir-6	microRNA	ncRNA
chr15-809	9.596463	-0.63898	0.762111	-0.83843	0.401787	0.981636	chr15	80908338	80910147	+	0	NA	exon (NM_	exon (NM_	-67169	NR_030393	693132		NR_030393	ENSG00000	MIR549A	MIR549|MI	microRNA	ncRNA
chr1-2446	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	AluSq2|SI	42509	NM_016076	51029	Hs.498317	NM_016076	ENSG00000	DESI2	C1orf121|	desumoyla	protein-coding
chr11-123	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr11	12393364	12395454	+	0	NA	intron (N	L1MC5|LIN	16838	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr16-191	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr16	19115963	19117077	+	0	NA	non-codin	non-codin	2556	NR_028028	162073	Hs.530899	NM_001034	ENSG00000	ITPRIPL2	-	ITPRIP li	protein-coding
chr17-551	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr17	5513981	5514691	+	0	NA	3’ UTR (N	3’ UTR (N	-13330	NM_001162	728392	Hs.104305	NM_001162	ENSG00000	LOC728392	-	uncharact	protein-coding
chr17-512	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr17	51217461	51217660	+	0	NA	intron (N	intron (N	42489	NM_017643	54799	Hs.656803	NM_017643	ENSG00000	MBTD1	SA49P01	mbt domai	protein-coding
chr18-267	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr18	2676887	2677917	+	0	NA	intron (N	L1ME2z|LI	21515	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr22-387	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr22	38735557	38736617	+	0	NA	3’ UTR (N	3’ UTR (N	19379	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr3-1795	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	7180	NM_004301	86	Hs.435326	NM_004301	ENSG00000	ACTL6A	ACTL6|ARF	actin lik	protein-coding
chr5-1330	6.152985	-0.7859	0.937551	-0.83825	0.401893	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	14478	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEI	heat shoc	protein-coding
chr2-2892	9.588605	-0.63766	0.760867	-0.83807	0.40199	0.981636	chr2	28928799	28930617	+	0	NA	exon (NM_	exon (NM_	1725	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr16-200	9.96337	0.630625	0.75272	0.837794	0.402146	0.981636	chr16	2000977	2003027	+	0	NA	intron (N	intron (N	7819	NM_178167	90850	Hs.343828	NM_178167	ENSG00000	ZNF598	HEL2	zinc fing	protein-coding
chr17-501	9.96337	0.630625	0.75272	0.837794	0.402146	0.981636	chr17	50144854	50145254	+	0	NA	intron (N	intron (N	5623	NM_032595	84687	Hs.514323	NM_032595	ENSG00000	PPP1R9B	PPP1R6|PF	protein p	protein-coding
chr5-1772	9.96337	0.630625	0.75272	0.837794	0.402146	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	46525	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr2-1743	9.571039	-0.6446	0.769488	-0.8377	0.402199	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSx3|SI	15939	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr5-4760	21.93519	0.446711	0.533335	0.837581	0.402266	0.981636	chr5	47607636	47608244	+	0	NA	Intergeni	ALR/Alpha	-1911560	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-730	9.136856	-0.65838	0.786187	-0.83744	0.402345	0.981636	chr10	73090190	73090404	+	0	NA	intron (N	AluJo|SIN	6677	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr4-4469	9.136856	-0.65838	0.786187	-0.83744	0.402345	0.981636	chr4	44696230	44696576	+	0	NA	intron (N	FLAM_A|SI	17983	NM_021927	60558	Hs.546419	NM_021927	ENSG00000	GUF1	EF-4|EF4|	GUF1 homo	protein-coding
chr5-5596	9.136856	-0.65838	0.786187	-0.83744	0.402345	0.981636	chr5	55967435	55969629	+	0	NA	intron (N	intron (N	26431	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr7-4575	9.136856	-0.65838	0.786187	-0.83744	0.402345	0.981636	chr7	45755256	45757598	+	0	NA	intron (N	intron (N	12591	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr17-286	9.366937	0.649858	0.776196	0.837235	0.402461	0.981636	chr17	28643126	28643367	+	0	NA	exon (NM_	exon (NM_	1912	NM_001321	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr15-996	6.119703	-0.79266	0.947768	-0.83634	0.402961	0.981636	chr15	99665907	99666397	+	0	NA	intron (N	L1PA7|LIN	33174	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr18-686	6.119703	-0.79266	0.947768	-0.83634	0.402961	0.981636	chr18	68681766	68682254	+	0	NA	intron (N	L2b|LINE|	33098	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr7-9947	6.119703	-0.79266	0.947768	-0.83634	0.402961	0.981636	chr7	99479656	99479913	+	0	NA	exon (NM_	exon (NM_	6892	NM_001351	285989	Hs.440384	NM_213603	ENSG00000	ZNF789	-	zinc fing	protein-coding
chr7-1247	6.119703	-0.79266	0.947768	-0.83634	0.402961	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	MIR3|SINE	4979	NM_005302	2861	Hs.406094	NM_005302	ENSG00000	GPR37	EDNRBL|PA	G protein	protein-coding
chr19-268	26.06734	0.410955	0.491407	0.836282	0.402996	0.981636	chr19	26842763	26843651	+	0	NA	Intergeni	ALR/Alpha	-950224	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-308	8.524708	-0.718	0.858667	-0.83618	0.403054	0.981636	chr17	30896727	30896940	+	0	NA	TTS (NM_0	TTS (NM_0	9405	NM_024683	79736	Hs.317340	NM_024683	ENSG00000	TEFM	C17orf42	transcrip	protein-coding
chr1-4099	7.426904	-0.72663	0.868983	-0.83618	0.403054	0.981636	chr1	40993871	40994097	+	0	NA	intron (N	AluSx|SIN	5465	NM_001301	1503	Hs.473087	NM_001905	ENSG00000	CTPS1	CTPS|GATD	CTP synth	protein-coding
chr1-4737	7.426904	-0.72663	0.868983	-0.83618	0.403054	0.981636	chr1	47375300	47375767	+	0	NA	intron (N	intron (N	-40752	NM_012186	2301	Hs.112968	NM_012186	ENSG00000	FOXE3	AAT11|ASC	forkhead	protein-coding
chr1-2200	7.426904	-0.72663	0.868983	-0.83618	0.403054	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-11549	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUF	glutamyl-	protein-coding
chr10-933	7.426904	-0.72663	0.868983	-0.83618	0.403054	0.981636	chr10	93391202	93391411	+	0	NA	intron (N	intron (N	91028	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr2-1132	7.426904	-0.72663	0.868983	-0.83618	0.403054	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	831	NR_015377	654433	Hs.656660	NR_015377	ENSG00000	PAX8-AS1	-	PAX8 anti	ncRNA
chr5-1350	7.666878	0.706472	0.845273	0.835792	0.403272	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	HAL1|LINE	-41338	NR_105049	1.02E+08	Hs.436898	NR_105049	ENSG00000	C5orf66-A	Epist	C5orf66 a	ncRNA
chr8-3018	7.666878	0.706472	0.845273	0.835792	0.403272	0.981636	chr8	30184843	30185676	+	0	NA	Intergeni	MamRep605	28890	NM_006571	10671	Hs.158427	NM_006571	ENSG00000	DCTN6	WS-3|WS3|	dynactin	protein-coding
chr1-3785	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr1	37856450	37857809	+	0	NA	intron (N	intron (N	2463	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-1481	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	MLT1E2|LT	-1748	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr10-158	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr10	15815815	15816130	+	0	NA	intron (N	intron (N	44535	NM_024948	80013	Hs.158870	NM_024948	ENSG00000	MINDY3	C10orf97|	MINDY lys	protein-coding
chr12-109	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-8674	NM_001093	32	Hs.234898	NM_001093	ENSG00000	ACACB	ACC2|ACCE	acetyl-Co	protein-coding
chr13-112	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	CpG	-31937	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG00000	ATP11A-AS	-	ATP11A an	ncRNA
chr16-289	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr16	28963780	28964827	+	0	NA	3’ UTR (N	3’ UTR (N	5720	NR_039742	1.01E+08		NR_039742	ENSG00000	MIR4517	mir-4517	microRNA	ncRNA
chr16-693	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr16	69355862	69356286	+	0	NA	3’ UTR (N	3’ UTR (N	-4288	NM_144676	146456	Hs.729118	NM_144676	ENSG00000	TMED6	PRO34237|	transmemb	protein-coding
chr17-426	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr17	42688658	42688857	+	0	NA	intron (N	intron (N	6226	NM_003632	8506	Hs.408730	NM_003632	ENSG00000	CNTNAP1	CASPR|CHN	contactin	protein-coding
chr18-352	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr18	35256044	35258780	+	0	NA	intron (N	MLT1A0|LT	16378	NM_032347	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr2-2747	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr2	27471369	27472452	+	0	NA	intron (N	AluSx|SIN	17833	NM_015662	26160	Hs.127401	NM_015662	ENSG00000	IFT172	BBS20|NPH	intraflag	protein-coding
chr6-3089	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr6	30891627	30893796	+	0	NA	intron (N	intron (N	1828	NR_039783	1.01E+08		NR_039783	ENSG00000	MIR4640	-	microRNA	ncRNA
chr8-2301	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr8	23010279	23012144	+	0	NA	intron (N	AluSz6|SI	11632	NM_015178	23221	Hs.372688	NM_015178	ENSG00000	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr9-6984	7.674736	0.704341	0.842725	0.83579	0.403273	0.981636	chr9	6984262	6984497	+	0	NA	exon (NM_	exon (NM_	227029	NR_130707	23081	Hs.709425	NM_015061	ENSG00000	KDM4C	GASC1|JHD	lysine de	protein-coding
chr2-4392	9.580747	-0.63637	0.761733	-0.83542	0.403479	0.981636	chr2	43923367	43923569	+	0	NA	intron (N	AluJr|SIN	72521	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr1-1199	6.891026	-0.78197	0.936218	-0.83524	0.403583	0.981636	chr1	11990031	11990230	+	0	NA	intron (N	Charlie15	9949	NM_001127	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusin	protein-coding
chr8-6657	6.891026	-0.78197	0.936218	-0.83524	0.403583	0.981636	chr8	66576796	66577001	+	0	NA	intron (N	L1PA3|LIN	36320	NM_001080	4603	Hs.445898	NM_001080	ENSG00000	MYBL1	A-MYB|AMY	MYB proto	protein-coding
chr1-3510	11.31242	-0.60781	0.727858	-0.83507	0.40368	0.981636	chr1	35105394	35105593	+	0	NA	intron (N	AluSg4|SI	26108	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr9-1253	10.46967	0.613589	0.734787	0.835057	0.403686	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	80656	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr17-164	9.621887	-0.63352	0.758812	-0.83488	0.403783	0.981636	chr17	16439443	16444811	+	0	NA	TTS (NR_0	TTS (NR_0	901	NR_003054	692106		NR_003054	ENSG00000	SNORD65	HBII-135|	small nuc	snoRNA
chr1-1790	11.21769	0.62425	0.747748	0.83484	0.403808	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	-17679	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIF	torsin fa	protein-coding
chr10-933	9.614029	-0.63222	0.757573	-0.83453	0.40398	0.981636	chr10	93380804	93382393	+	0	NA	intron (N	L1ME3G|LI	100736	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr12-132	9.614029	-0.63222	0.757573	-0.83453	0.40398	0.981636	chr12	13212416	13218356	+	0	NA	3’ UTR (N	3’ UTR (N	18660	NM_001423	2012	Hs.719042	NM_001423	ENSG00000	EMP1	CL-20|EMF	epithelia	protein-coding
chr16-697	9.614029	-0.63222	0.757573	-0.83453	0.40398	0.981636	chr16	69740006	69742871	+	0	NA	TTS (NM_0	TTS (NM_0	13488	NM_014062	28987	Hs.271695	NM_014062	ENSG00000	NOB1	ART-4|MST	NIN1 (RPN	protein-coding
chr19-489	9.614029	-0.63222	0.757573	-0.83453	0.40398	0.981636	chr19	48969169	48971293	+	0	NA	intron (N	AluJb|SIN	4922	NM_000146	2512	Hs.433670	NM_000146	ENSG00000	FTL	LFTD|NBIA	ferritin	protein-coding
chr10-308	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr10	3082176	3084662	+	0	NA	intron (N	L1ME4a|LI	14230	NM_001345	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|F	phosphofr	protein-coding
chr10-708	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr10	70860204	70860796	+	0	NA	intron (N	intron (N	27381	NM_001289	5092	Hs.3192	NM_000281	ENSG00000	PCBD1	DCOH|PCBD	pterin-4	protein-coding
chr10-730	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr10	73037759	73044002	+	0	NA	intron (N	intron (N	56094	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr11-125	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	HAL1b|LIN	18939	NM_001274	1111	Hs.24529	NM_001274	ENSG00000	CHEK1	CHK1	checkpoin	protein-coding
chr12-462	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr12	46237254	46240286	+	0	NA	intron (N	intron (N	27746	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr15-588	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr15	58827428	58829241	+	0	NA	intron (N	intron (N	57032	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr16-699	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr16	69979646	69979961	+	0	NA	intron (N	intron (N	28623	NM_001370	348174	Hs.592064	NM_182619	ENSG00000	CLEC18A	MRCL|MRCL	C-type le	protein-coding
chr17-303	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr17	30390194	30390975	+	0	NA	intron (N	L2a|LINE|	10106	NM_001199	1362	Hs.446079	NM_001304	ENSG00000	CPD	GP180	carboxype	protein-coding
chr18-589	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr18	58980669	58981227	+	0	NA	intron (N	intron (N	-54731	NR_024021	390858	Hs.716280	NR_024021		OACYLP	ACYL3P	O-acyltra	pseudo
chr2-1829	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	71643	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr20-412	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr20	41266640	41267954	+	0	NA	intron (N	intron (N	32823	NM_015035	23051	Hs.380133	NM_015035	ENSG00000	ZHX3	TIX1	zinc fing	protein-coding
chr3-1612	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	L1M5|LINE	15884	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr4-1451	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	-25803	NM_001256	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding

chr6-1006	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-191851	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr7-9256	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr7	92561056	92562314	+	0	NA	non-codin	non-codin	28364	NM_001288	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-1000	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr7	1E+08	1E+08	+	0	NA	non-codin	non-codin	-12142	NM_001362	7589	Hs.632294	NM_145914	ENSG00000	ZSCAN21	NY-REN-21	zinc fing	protein-coding
chr7-1279	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-20448	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr8-6727	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr8	67275642	67276049	+	0	NA	intron (N	intron (N	67936	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-9488	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr8	94882115	94883329	+	0	NA	TTS (NM_0	TTS (NM_0	12532	NM_057749	9134	Hs.521693	NM_004702	ENSG00000	CCNE2	CYCE2	cyclin E2	protein-coding
chr9-1090	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	3516	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chrX-7226	6.145127	-0.78396	0.939407	-0.83453	0.403981	0.981636	chrX	72267793	72269571	+	0	NA	Intergeni	L1MC5|LIN	8566	NM_001007	6191	Hs.118076	NM_001007	ENSG00000	RPS4X	CCG2|DXS3	ribosomal	protein-coding
chr7-1495	10.52837	0.619974	0.743028	0.834388	0.404062	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	non-codin	non-codin	-51057	NM_152557	155061	Hs.24643	NM_152557	ENSG00000	ZNF746	PARIS	zinc fing	protein-coding
chr14-104	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	6212	NM_001364	122616	Hs.27183	NM_174891	ENSG00000	CLBA1	C14orf79	clathrin	protein-coding
chr16-151	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr16	15135300	15136187	+	0	NA	non-codin	non-codin	1216	NR_123721	1.05E+08	Hs.634612	NR_123721	ENSG00000	PKD1P6-NF	-	PKD1P6-NF	pseudo
chr19-200	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr19	20009718	20012660	+	0	NA	intron (N	L1P4|LINE	28066	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr2-2637	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr2	26371812	26372232	+	0	NA	intron (N	L2c|LINE|	-25233	NM_001321	165082	Hs.631878	NM_153835	ENSG00000	ADGRF3	GPR113|PC	adhesion	protein-coding
chr5-3225	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr5	32254242	32254466	+	0	NA	intron (N	Charlie1a	58585	NM_001040	54545	Hs.481836	NM_019061	ENSG00000	MTMR12	3-PAP|PIF	myotubula	protein-coding
chr6-4285	5.435099	0.839297	1.006061	0.83424	0.404146	0.981636	chr6	42858365	42861347	+	0	NA	intron (N	AluY|SINE	-19760	NR_134562	285855	Hs.520133	NM_198486	ENSG00000	RPL7L1	dJ475N16.	ribosomal	protein-coding
chr19-494	13.5541	-0.53969	0.647074	-0.83405	0.404255	0.981636	chr19	49488328	49493075	+	0	NA	promoter-	promoter-	84	NR_000020	26818		NR_000020	ENSG00000	SNORD33	RNU33|U33	small nuc	snoRNA
chr14-918	7.845371	-0.70186	0.841526	-0.83403	0.404265	0.981636	chr14	91867841	91868184	+	0	NA	promoter-	promoter-	-476	NM_001128	123036	Hs.510262	NM_152332	ENSG00000	TC2N	C14orf47|	tandem C2	protein-coding
chr2-3333	7.845371	-0.70186	0.841526	-0.83403	0.404265	0.981636	chr2	33339691	33340012	+	0	NA	intron (N	AluSp|SIN	-78665	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr3-5662	7.845371	-0.70186	0.841526	-0.83403	0.404265	0.981636	chr3	56626267	56626760	+	0	NA	intron (N	AluSq2|SI	37533	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr12-530	7.878653	-0.69665	0.835287	-0.83402	0.404269	0.981636	chr12	53060364	53064243	+	0	NA	intron (N	intron (N	5359	NR_106815	1.02E+08		NR_106815	ENSG00000	MIR6757	hsa-mir-6	microRNA	ncRNA
chr17-774	7.878653	-0.69665	0.835287	-0.83402	0.404269	0.981636	chr17	77499000	77500777	+	0	NA	3' UTR (N	3' UTR (N	24645	NM_001113	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|N	septin 9	protein-coding
chr2-1829	7.878653	-0.69665	0.835287	-0.83402	0.404269	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	AluY|SINE	-67634	NM_001463	2487	Hs.128453	NM_001463	ENSG00000	FRZB	FRE|FRIT2	frizzled	protein-coding
chr7-2726	7.878653	-0.69665	0.835287	-0.83402	0.404269	0.981636	chr7	2726957	2727293	+	0	NA	TTS (NM_0	TTS (NM_0	36015	NM_001282	2768	Hs.487341	NM_007353	ENSG00000	GNA12	NNX3|RMP|G	G protein	protein-coding
chr15-494	10.4521	0.608079	0.729152	0.833954	0.404307	0.981636	chr15	49423717	49427471	+	0	NA	intron (N	intron (N	2352	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KC	fibroblas	protein-coding
chr21-332	10.4521	0.608079	0.729152	0.833954	0.404307	0.981636	chr21	33278398	33280364	+	0	NA	intron (N	L1MEi|LIN	13014	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr9-3944	10.4521	0.608079	0.729152	0.833954	0.404307	0.981636	chr9	39447415	39448087	+	0	NA	intron (N	AluJo|SIN	16775	NR_003528	401509	Hs.449445	NM_001032297		ZNF658B	-	zinc fing	pseudo
chr1-1558	12.66446	0.558375	0.66966	0.833818	0.404384	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	3786	NM_032292	54856	Hs.656361	NM_032292	ENSG00000	GON4L	GON-4|GON	gon-4 lik	protein-coding
chr1-2520	7.741299	0.710184	0.851775	0.833769	0.404411	0.981636	chr1	2520663	2521632	+	0	NA	exon (NM_	exon (NM_	5449	NM_018216	55229	Hs.26156	NM_018216	ENSG00000	PANK4	-	pantother	protein-coding
chr1-1518	7.741299	0.710184	0.851775	0.833769	0.404411	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	3' UTR (N	3' UTR (N	-20449	NM_182578	284486	Hs.132648	NM_182578	ENSG00000	THEM5	ACOT15	thioester	protein-coding
chr2-1592	7.741299	0.710184	0.851775	0.833769	0.404411	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	28163	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr8-1443	7.741299	0.710184	0.851775	0.833769	0.404411	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	6811	NM_174922	203054	Hs.283374	NM_174922	ENSG00000	ADCK5	-	aarF doma	protein-coding
chr1-9362	5.709094	-0.83559	1.002217	-0.83374	0.404429	0.981636	chr1	93621924	93622322	+	0	NA	intron (N	AluSg4|SI	-8026	NM_001261	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr1-1102	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr1	11024720	11025297	+	0	NA	3' UTR (N	3' UTR (N	12386	NM_007375	23435	Hs.300624	NM_007375	ENSG00000	TARDBP	ALS10|TDF	TAR DNA b	protein-coding
chr12-297	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr12	29765778	29766811	+	0	NA	intron (N	Charlie2a	17648	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr12-462	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr12	46253360	46255205	+	0	NA	intron (N	MER41-int	12234	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr12-112	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-17071	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr14-505	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr14	50502841	50504492	+	0	NA	intron (N	MADE1|DNA	28903	NM_198794	11183	Hs.130491	NM_006575	ENSG00000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr17-281	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr17	28195903	28198318	+	0	NA	TTS (NM_0	TTS (NM_0	-29453	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr19-342	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr19	3425520	3427370	+	0	NA	intron (N	intron (N	54080	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr19-110	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr19	11062375	11062574	+	0	NA	TTS (NM_0	TTS (NM_0	-26888	NM_000527	3949	Hs.213289	NM_000527	ENSG00000	LDLR	FH|FHC|LD	low densi	protein-coding
chr19-577	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr19	57771048	57772507	+	0	NA	intron (N	L2|LINE|L	2101	NM_017652	54807	Hs.625133	NM_017652	ENSG00000	ZNF586	-	zinc fing	protein-coding
chr5-1435	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr5	14350059	14350742	+	0	NA	intron (N	intron (N	-113583	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1443	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr5	14435733	14436761	+	0	NA	intron (N	THE1B|LTF	-27736	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1419	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	Intergeni	Intergeni	13722	NM_005471	10007	Hs.633853	NM_005471	ENSG00000	GNPDA1	GNP1|GNPD	glucosami	protein-coding
chr8-1197	7.870795	-0.69508	0.833747	-0.83368	0.404462	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	AluJr|SIN	41842	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr7-9199	4.905229	0.909329	1.090947	0.833522	0.40455	0.981636	chr7	91996197	91996396	+	0	NA	intron (N	intron (N	55421	NM_005751	10142	Hs.651221	NM_005751	ENSG00000	AKAP9	AKAP-9|AK	A-kinase	protein-coding
chr1-1197	4.411601	-0.94357	1.132488	-0.83318	0.404741	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	22673	NM_006623	26227	Hs.487296	NM_006623	ENSG00000	PHGDH	3-PGDH|3F	phosphogl	protein-coding
chr15-740	4.411601	-0.94357	1.132488	-0.83318	0.404741	0.981636	chr15	74041203	74041961	+	0	NA	intron (N	intron (N	40968	NM_001038	342096	Hs.546408	NM_001038	ENSG00000	GOLGA6A	GLP|GOLGA	golgin A6	protein-coding
chrX-1014	4.411601	-0.94357	1.132488	-0.83318	0.404741	0.981636	chrX	10141731	10142322	+	0	NA	3' UTR (N	3' UTR (N	-14919	NM_001256	1183	Hs.495674	NM_001830	ENSG00000	CLCN4	CLC4|ClC-	chloride	protein-coding
chr1-3931	9.629745	-0.63483	0.762173	-0.83293	0.404886	0.981636	chr1	39313897	39314385	+	0	NA	intron (N	AluSq2|SI	-94932	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr10-693	9.629745	-0.63483	0.762173	-0.83293	0.404886	0.981636	chr10	69384636	69386587	+	0	NA	intron (N	L2c|LINE|	31307	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr5-7368	5.667954	-0.84096	1.009982	-0.83265	0.405044	0.981636	chr5	73681190	73681787	+	0	NA	intron (N	Charlie7|	55330	NM_001080	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr1-2263	7.152724	0.739504	0.8888	0.832025	0.405395	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	37455	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADF	poly(ADP-	protein-coding
chr15-659	7.152724	0.739504	0.8888	0.832025	0.405395	0.981636	chr15	65906902	65908271	+	0	NA	intron (N	AluSx3|SI	38095	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr6-1703	7.152724	0.739504	0.8888	0.832025	0.405395	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	28127	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr12-986	7.385765	-0.73042	0.877889	-0.83202	0.405399	0.981636	chr12	98659776	98659975	+	0	NA	intron (N	intron (N	14575	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr7-8212	9.937946	0.626562	0.75318	0.83189	0.405471	0.981636	chr7	82124182	82124576	+	0	NA	intron (N	MER51A|LT	115202	NR_110077	1.02E+08	Hs.571348	NR_110076	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-310	9.606171	-0.63093	0.758434	-0.83188	0.405477	0.981636	chr10	3107972	3109643	+	0	NA	intron (N	intron (N	4198	NM_001323	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|F	phosphofr	protein-coding
chr17-141	9.606171	-0.63093	0.758434	-0.83188	0.405477	0.981636	chr17	1419928	1422608	+	0	NA	3' UTR (N	3' UTR (N	-21006	NR_024058	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|F	tyrosine	protein-coding
chr11-198	4.444882	-0.93376	1.122499	-0.83186	0.405488	0.981636	chr11	19892394	19893559	+	0	NA	intron (N	intron (N	-129580	NM_001111	89797	Hs.64341	NM_145117	ENSG00000	NAV2	HELAD1|PC	neuron na	protein-coding
chr11-200	4.444882	-0.93376	1.122499	-0.83186	0.405488	0.981636	chr11	20068167	20069192	+	0	NA	intron (N	intron (N	-19376	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr19-513	9.408077	0.650454	0.782111	0.831665	0.405598	0.981636	chr19	51345710	51346231	+	0	NA	intron (N	intron (N	-3846	NM_001163	147645	Hs.293236	NM_001163	ENSG00000	VSIG10L	-	V-set and	protein-coding
chr5-1476	7.886511	-0.69826	0.839638	-0.83162	0.405624	0.981636	chr5	1476089	1476440	+	0	NA	intron (N	intron (N	-30824	NM_001044	6531	Hs.406	NM_001044	ENSG00000	SLC6A3	DAT|DAT1|	solute ca	protein-coding
chr1-2556	5.982534	0.79052	0.95075	0.831469	0.405708	0.981636	chr1	25563883	25564879	+	0	NA	intron (N	L1MC4a|LI	20796	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr1-2306	5.982534	0.79052	0.95075	0.831469	0.405708	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	29253	NM_007357	22796	Hs.211800	NM_007357	ENSG00000	COG2	CDG2Q|LDL	component	protein-coding
chr2-2057	5.982534	0.79052	0.95075	0.831469	0.405708	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	3' UTR (N	3' UTR (N	112962	NM_018534	8828	Hs.471200	NM_003872	ENSG00000	NRP2	NP2|NPN2|	neuropili	protein-coding
chr9-8160	5.982534	0.79052	0.95075	0.831469	0.405708	0.981636	chr9	81606488	81607402	+	0	NA	intron (N	FLAM_C|SI	82590	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr6-1510	6.015816	0.794188	0.95525	0.831392	0.405752	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-11228	NR_162145	1.13E+08		NR_162145		MIR12131	-	microRNA	ncRNA
chr11-654	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr11	654439	655656	+	0	NA	intron (N	AluY|SINE	17778	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr14-760	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr14	76058946	76059773	+	0	NA	TTS (NM_0	TTS (NM_0	73596	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr15-404	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr15	40459407	40459908	+	0	NA	exon (NM_	exon (NM_	-11304	NM_130468	113189	Hs.442449	NM_130468	ENSG00000	CHST14	ATCS|D4ST	carbohydr	protein-coding
chr15-642	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr15	64200075	64201000	+	0	NA	intron (N	AluSq|SIN	-37382	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr16-251	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr16	25142298	25142753	+	0	NA	intron (N	PRIMA41-i	6507	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr2-2312	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	LTR19B|LT	4520	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-473	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr20	47345766	47346500	+	0	NA	intron (N	intron (N	5764	NM_001363	23613	Hs.446240	NM_012408	ENSG00000	ZMYND8	PRKCBP1|F	zinc fing	protein-coding
chr6-1427	5.46838	0.843026	1.014251	0.831181	0.405871	0.981636	chr6	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	-115536	NR_027312	153910	Hs.350819	NR_027311	ENSG00000	LOC153910	-	uncharact	ncRNA
chr1-1009	7.837513	-0.70031	0.842772	-0.83096	0.405996	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MCc|LIN	8458	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr14-100	16.09786	0.525257	0.632224	0.830808	0.406082	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	(ACC)n|Si	41280	NM_001159	57596	Hs.211751	NM_020836	ENSG00000	BEGAIN	-	brain enr	protein-coding
chr10-119	7.186005	0.742516	0.893803	0.830738	0.406122	0.981636	chr10	11963350	11963637	+	0	NA	intron (N	AluJr|SIN	-68783	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr10-936	7.186005	0.742516	0.893803	0.830738	0.406122	0.981636	chr10	93673222	93673769	+	0	NA	intron (N	L3|LINE|C	29077	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr12-109	7.186005	0.742516	0.893803	0.830738	0.406122	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	42587	NM_052845	326625	Hs.12106	NM_052845	ENSG00000	MMAB	ATR|CFAP2	metabolis	protein-coding
chr20-436	7.186005	0.742516	0.893803	0.830738	0.406122	0.981636	chr20	43623296	43625574	+	0	NA	intron (N	intron (N	33498	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr1-1500	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	(AAAT)n|S	6123	NM_020205	56957	Hs.98322	NM_020205	ENSG00000	OTUD7B	CEZANNE|Z	OTU deubi	protein-coding
chr11-108	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L4_C_Mam|	62349	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-296	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr12	29613134	29613844	+	0	NA	intron (N	intron (N	-113796	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr15-641	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr15	64115743	64116169	+	0	NA	intron (N	intron (N	19974	NM_001242	6642	Hs.188634	NM_003099	ENSG00000	SNX1	HsT17379|	sorting n	protein-coding
chr5-3144	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr5	31446955	31448572	+	0	NA	intron (N	L1MB8|LIN	84330	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr6-1138	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	3' UTR (N	3' UTR (N	3840	NM_002356	4082	Hs.519909	NM_002356	ENSG00000	MARCKS	80K-L|MAC	myristoyl	protein-coding
chr8-4306	7.862937	-0.69353	0.834978	-0.8306	0.4062	0.981636	chr8	43064504	43066469	+	0	NA	intron (N	AluSq|SIN	9163	NM_002027	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr12-120	9.572889	-0.63509	0.764732	-0.83048	0.406269	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	MER105|DN	7066	NR_033684	283459	Hs.706889	NM_176818	ENSG00000	GATC	15E1.2	glutamyl-	protein-coding
chr12-121	9.572889	-0.63509	0.764732	-0.83048	0.406269	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	11973	NM_001286	64897	Hs.528671	NM_022895	ENSG00000	C12orf43	Custos	chromosom	protein-coding
chr1-1569	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-19630	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr1-1798	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	3' UTR (N	3' UTR (N	7768	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr12-665	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr12	6655008	6655970	+	0	NA	intron (N	intron (N	7630	NM_001127	51147	Hs.524210	NM_016162	ENSG00000	ING4	my036|p29	inhibitor	protein-coding
chr16-164	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr16	1641731	1642938	+	0	NA	intron (N	intron (N	27694	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-217	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr16	2173207	2176463	+	0	NA	intron (N	intron (N	19053	NM_032271	84231	Hs.713632	NM_032271	ENSG00000	TRAF7	CAFDADD|F	TNF recep	protein-coding
chr16-810	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr16	81041714	81044126	+	0	NA	intron (N	intron (N	5722	NM_001300	23300	Hs.16349	NM_015251	ENSG00000	ATMIN	ASCIZ|ZNF	ATM inter	protein-coding
chr17-572	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr17	57266151	57268445	+	0	NA	intron (N	intron (N	10279	NM_170721	124540	Hs.658922	NM_138962	ENSG00000	MSI2	MSI2H	musashi F	protein-coding
chr19-151	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr19	15162046	15167182	+	0	NA	intron (N	MER3|DNA|	14736	NR_106853	1.02E+08		NR_106853	ENSG00000	MIR6795	hsa-mir-6	microRNA	ncRNA
chr19-196	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr19	19636332	19637804	+	0	NA	intron (N	intron (N	6589	NM_001288	51291	Hs.49427	NM_016573	ENSG00000	GMIP	ARHGAP46	GEM inter	protein-coding
chr20-944	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr20	9444550	9445265	+	0	NA	intron (N	intron (N	-69451	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr22-409	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr22	40965646	40965971	+	0	NA	intron (N	intron (N	14430	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr5-1473	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr5	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	56205	NM_001387	1809	Hs.519659	NM_001387	ENSG00000	DPYSL3	CRMP-4|CF	dihydropy	protein-coding
chr6-3065	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr6	30653146	30656293	+	0	NA	exon (NM_	exon (NM_	7586	NM_145029	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromosom	protein-coding
chr9-1212	7.682593	0.702169	0.845518	0.830459	0.406279	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MIRb|SINE	6008	NM_001258	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr19-436	6.094279	-0.80186	0.965608	-0.83042	0.406303	0.981636	chr19	4366016	4366240	+	0	NA	intron (N	intron (N	22601	NM_032868	84954	Hs.321689	NM_032868	ENSG00000	MPND	-	MPN domai	protein-coding
chr6-1495	5.411525	0.848616	1.021929	0.830405	0.40631	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluJb|SIN	-26544	NM_207360	340152	Hs.632618	NM_207360	ENSG00000	ZC3H12D	C6orf95|N	zinc fing	protein-coding
chr1-3097	8.63426	-0.69318	0.835319	-0.82984	0.406629	0.981636	chr1	30974080	30974490	+	0	NA	intron (N	intron (N	-6048	NR_003066	692200		NR_003066		SNORD103C	HBII-251|	small nuc	snoRNA
chr17-749	10.42668	0.604222	0.728536	0.829364	0.406899	0.981636	chr17	7495667	7505023	+	0	NA	intron (N	AluSx1|SI	15979	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr19-529	10.42668	0.604222	0.728536	0.829364	0.406899	0.981636	chr19	52948665	52957110	+	0	NA	intron (N	intron (N	9994	NM_001031	125893	Hs.655592	NM_001031	ENSG00000	ZNF816	ZNF816A	zinc fing	protein-coding
chr3-1962	10.42668	0.604222	0.728536	0.829364	0.406899	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	30299	NM_152672	200931	Hs.630585	NM_152672	ENSG00000	SLC51A	OSTA|OSTa	solute ca	protein-coding
chr4-5338	10.42668	0.604222	0.728536	0.829364	0.406899	0.981636	chr4	53388265	53388533	+	0	NA	intron (N	AluY|SINE	10746	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr7-5944	10.42668	0.604222	0.728536	0.829364	0.406899	0.981636	chr7	59440414	59441309	+	0	NA	Intergeni	ALR/Alpha	1990684	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-171	6.186266	-0.77927	0.939733	-0.82924	0.406968	0.981636	chr11	17116693	17117272	+	0	NA	intron (N	L1MB5|LIN	-39315	NM_001017	6207	Hs.446588	NM_001017	ENSG00000	RPS13	S13	ribosomal	protein-coding
chr19-344	6.186266	-0.77927	0.939733	-0.82924	0.406968	0.981636	chr19	34410041	34411034	+	0	NA	intron (N	AluSq2|SI	6138	NM_032346	84306	Hs.515344	NM_032346	ENSG00000	PDCD2L	-	programme	protein-coding
chr2-1527	6.186266	-0.77927	0.939733	-0.82924	0.406968	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	5053	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr4-7833	6.186266	-0.77927	0.939733	-0.82924	0.406968	0.981636	chr4	7833501	7833816	+	0	NA	intron (N	AluSc8|SI	38650	NM_001371090								
chr4-8671	6.186266	-0.77927	0.939733	-0.82924	0.406968	0.981636	chr4	86717284	86717906	+	0	NA	intron (N	intron (N	123280	NM_006264	5783	Hs.436142	NM_006264	ENSG00000	PTPN13	FAP-1|PNF	protein t	protein-coding
chr8-1034	6.111845	-0.79078	0.953679	-0.82919	0.406996	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	MER58A|DN	17613	NM_015420	25879	Hs.532265	NM_015420	ENSG00000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr1-5197	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr1	51974381	51976474	+	0	NA	intron (N	MLT1F|LTF	15273	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr10-136	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr10	13618643	13619243	+	0	NA	intron (N	MER1B|DNA	31978	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr11-304	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr11	3045474	3046679	+	0	NA	intron (N	intron (N	11347	NM_001014	833	Hs.274873	NM_001751	ENSG00000	CARS	CARS1|CYS	cysteinyl	protein-coding
chr12-107	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	2275	NM_012406	11108	Hs.506655	NM_012406	ENSG00000	PRDM4	PFM1	PR/SET do	protein-coding

chr14-213	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr14	21371719	21372974	+	0	NA	intron (N	intron (N	11673	NM_007192	11198	Hs.213724	NM_007192	ENSG00000	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr15-506	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr15	50617005	50618105	+	0	NA	intron (N	intron (N	69242	NR_149154	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr15-740	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr15	74029446	74031076	+	0	NA	intron (N	intron (N	35545	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr19-211	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr19	21143982	21144907	+	0	NA	intron (N	AluSq2|SI	2404	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr3-5809	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr3	58094325	58095234	+	0	NA	intron (N	intron (N	75856	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1309	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	48199	NM_001001	27032	Hs.584884	NM_014382	ENSG00000	ATP2C1	ATP2C1A|E	ATPase se	protein-coding
chr4-1828	6.178408	-0.77735	0.937706	-0.82899	0.407112	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	Intergeni	Intergeni	31414	NM_001351	1635	Hs.183850	NM_001921	ENSG00000	DCTD	-	dCMP deam	protein-coding
chr16-500	3.213952	-1.09836	1.324941	-0.82898	0.407113	0.981636	chr16	50028656	50029469	+	0	NA	intron (N	intron (N	3856	NR_104042	255919	Hs.59134	NM_153261	ENSG00000	CNEP1R1	C16orf69|	CTD nucle	protein-coding
chr9-3663	3.213952	-1.09836	1.324941	-0.82898	0.407113	0.981636	chr9	36639409	36640042	+	0	NA	intron (N	intron (N	66830	NM_014791	9833	Hs.184339	NM_014791	ENSG00000	MELK	HPK38	maternal	protein-coding
chr1-1557	10.54594	0.625872	0.754994	0.828976	0.407118	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSp|SIN	-15955	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr3-9157	53.32945	0.323654	0.390539	0.828739	0.407252	0.981636	chr3	91572763	91572986	+	0	NA	Intergeni	ALR/Alpha	2401207	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr6-2272	9.996652	0.633008	0.763842	0.828716	0.407265	0.981636	chr6	2272196	2272691	+	0	NA	intron (N	intron (N	26690	NR_046229	1.01E+08	Hs.188825	NR_046229		GMDS-DT	GMDS-AS1	GMDS dive	ncRNA
chr2-2009	8.255453	0.681152	0.822054	0.828597	0.407333	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSz|SIN	22937	NR_033915	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr11-459	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr11	45952761	45953541	+	0	NA	intron (N	Charlie25	30495	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr16-841	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr16	84180099	84181721	+	0	NA	5' UTR (N	5' UTR (N	6147	NM_005679	9013	Hs.153022	NM_005679	ENSG00000	TAF1C	MGC:39976	TATA-box	protein-coding
chr17-291	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr17	29101615	29101958	+	0	NA	intron (N	intron (N	-26177	NM_004740	9220	Hs.462590	NM_004740	ENSG00000	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr17-802	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr17	80249015	80250313	+	0	NA	intron (N	AluSx1|SI	-11188	NM_001256	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr19-577	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr19	57790696	57791404	+	0	NA	Intergeni	Intergeni	21374	NM_017652	54807	Hs.625133	NM_017652	ENSG00000	ZNF586	-	zinc fing	protein-coding
chr20-265	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr20	26517932	26518917	+	0	NA	Intergeni	ALR/Alpha	-309191	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr4-8865	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr4	88655661	88656494	+	0	NA	3' UTR (N	3' UTR (N	41752	NM_153757	266812	Hs.12554	NM_153757	ENSG00000	NAP1L5	DRLM	nucleosom	protein-coding
chr7-1117	5.990392	0.787749	0.950756	0.82855	0.407359	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	HUERS-P3-	-11503	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr20-501	13.19433	0.54408	0.656783	0.828401	0.407443	0.981636	chr20	50192051	50194646	+	0	NA	TTS (NM_0	TTS (NM_0	-1279	NR_125739	1.02E+08	Hs.442486	NR_125739	ENSG00000	CEBPB-AS1	-	CEBPB ant	ncRNA
chr15-101	9.128998	-0.65688	0.792977	-0.82837	0.407462	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	L2|LINE|L	10933	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr13-321	7.419046	-0.72481	0.875001	-0.82835	0.407471	0.981636	chr13	32180544	32180775	+	0	NA	intron (N	intron (N	131295	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr6-8975	7.419046	-0.72481	0.875001	-0.82835	0.407471	0.981636	chr6	89753932	89754134	+	0	NA	intron (N	intron (N	65761	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr9-1101	7.419046	-0.72481	0.875001	-0.82835	0.407471	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	FLAM_C|SI	24241	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr5-4850	18.11565	0.479151	0.57852	0.828236	0.407537	0.981636	chr5	48505017	48506150	+	0	NA	Intergeni	ALR/Alpha	1935705	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2728	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr1	27287654	27288167	+	0	NA	intron (N	intron (N	-34235	NM_032125	84065	Hs.469171	NM_032125	ENSG00000	TMEM222	C1orf160	transmemb	protein-coding
chr1-2057	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	L1MD2|LIN	-18617	NM_001135	8934	Hs.115325	NM_003929	ENSG00000	RAB29	RAB7L|RAB	RAB29, me	protein-coding
chr11-656	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr11	65624434	65626705	+	0	NA	intron (N	intron (N	9257	NM_032223	399909	Hs.380801	NM_032223	ENSG00000	PCNX3	PCNXL3	pecanex 3	protein-coding
chr16-873	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr16	87343203	87343699	+	0	NA	intron (N	intron (N	25942	NR_135180	1.02E+08	Hs.667450	NR_135180	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-719	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr17	7191964	7197771	+	0	NA	intron (N	AluYc|SIN	10320	NM_001321	1742	Hs.463928	NM_001365	ENSG00000	DLG4	PSD95|SAF	discs lar	protein-coding
chr19-555	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr19	55500357	55501739	+	0	NA	exon (NM_	exon (NM_	12612	NM_001144	284297	Hs.554182	NM_182571	ENSG00000	SSC5D	S5D-SRCRE	scavenger	protein-coding
chr2-2178	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	4866	NR_106867	1.02E+08		NR_106867	ENSG00000	MIR6809	hsa-mir-6	microRNA	ncRNA
chr22-222	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr22	22291032	22292142	+	0	NA	Intergeni	G-rich|Lo	-6511	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr3-1291	7.715875	0.705059	0.851326	0.82819	0.407563	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSq2|SI	9125	NM_020701	57461	Hs.512661	NM_020701	ENSG00000	ISY1	FSAP33	ISY1 spli	protein-coding
chr1-1114	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr1	11144064	11144382	+	0	NA	intron (N	MER5B|DNA	325	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr10-328	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr10	32897553	32898646	+	0	NA	Intergeni	Intergeni	3373	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr11-106	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr11	10602891	10604055	+	0	NA	intron (N	MER1B|DNA	-34808	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|H	lymphatic	protein-coding
chr16-302	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr16	30263116	30263591	+	0	NA	Intergeni	AluSz|SIN	-14940	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr2-1331	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSc8|SI	-163901	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr22-358	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr22	35812752	35814253	+	0	NA	intron (N	intron (N	26962	NM_001349	23543	Hs.282998	NM_014309	ENSG00000	RBFOX2	FOX2|Fox-	RNA bindi	protein-coding
chr4-1134	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA2|LIN	201915	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr5-8830	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr5	883067	883887	+	0	NA	intron (N	intron (N	9045	NR_134296	65980	Hs.449278	NM_023924	ENSG00000	BRD9	LAVS3040|	bromodoma	protein-coding
chr6-5658	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr6	56587975	56589670	+	0	NA	intron (N	intron (N	54067	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr9-9819	7.896219	-0.68846	0.831482	-0.82799	0.407677	0.981636	chr9	98199442	98200236	+	0	NA	intron (N	L2b|LINE|	-7202	NM_052820	7464	Hs.113094	NM_003389	ENSG00000	CORO2A	CLIPINB|I	coronin 2	protein-coding
chr3-4255	5.634673	-0.84854	1.02536	-0.82756	0.407922	0.981636	chr3	42551412	42551611	+	0	NA	3' UTR (N	3' UTR (N	-18905	NR_046654	1.01E+08	Hs.600642	NR_046654		VIPR1-AS1	-	VIPR1 ant	ncRNA
chr1-1808	8.230029	0.676266	0.817387	0.827351	0.408038	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	L1PA7|LIN	-79747	NM_020950	57710	Hs.734816	NM_020950	ENSG00000	KIAA1614	-	KIAA1614	protein-coding
chr3-1224	8.230029	0.676266	0.817387	0.827351	0.408038	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	AluYg6|SI	22941	NR_026698	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr6-5794	8.230029	0.676266	0.817387	0.827351	0.408038	0.981636	chr6	57946512	57947300	+	0	NA	non-codin	non-codin	-9977	NR_132999	375513	Hs.561539	NM_206908		GUSBP4	C6orf216|	GUSB pseu	pseudo
chr1-7794	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr1	77949861	77950851	+	0	NA	intron (N	AluJb|SIN	28716	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr1-1089	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	26742	NM_001278	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr10-103	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	3' UTR (N	3' UTR (N	68496	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5'-nucle	protein-coding
chr16-293	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr16	29392018	29392793	+	0	NA	intron (N	intron (N	12140	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr16-468	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr16	46800761	46803095	+	0	NA	non-codin	non-codin	29120	NR_145836	388272	Hs.406551	NM_001001	ENSG00000	C16orf87	-	chromosom	protein-coding
chr20-493	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr20	4931146	4931562	+	0	NA	intron (N	intron (N	70156	NM_005116	9962	Hs.516866	NM_005116	ENSG00000	SLC23A2	NBTL1|SLC	solute ca	protein-coding
chr22-383	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr22	38372883	38373253	+	0	NA	intron (N	L1M2c|LIN	25847	NM_001289	1.03E+08	Hs.720223	NM_001289	ENSG00000	TPTEP2-CS	LOC400927	TPTEP2-CS	protein-coding
chr5-1360	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	Intergeni	L1MB3|LIN	11346	NR_030583	1E+08		NR_030583	ENSG00000	VTRNA2-1	CBL-3|CBL	vault RNA	ncRNA
chr9-1377	6.137269	-0.78202	0.945243	-0.82732	0.408054	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	13245	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr7-1523	5.974676	0.793401	0.959206	0.827143	0.408156	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSx3|SI	134772	NM_170606	58508	Hs.647120	NM_021230	ENSG00000	KMT2C	HALR|KLEF	lysine me	protein-coding
chr15-732	9.64731	-0.6281	0.759362	-0.82714	0.408159	0.981636	chr15	73262430	73262895	+	0	NA	intron (N	L1ME1|LIN	-37248	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr16-247	10.43453	0.60266	0.728735	0.826995	0.40824	0.981636	chr16	24777073	24777403	+	0	NA	exon (NM_	exon (NM_	47587	NM_014494	27327	Hs.655057	NM_014494	ENSG00000	TNRC6A	CAGH26|FA	trinuclec	protein-coding
chr19-366	10.43453	0.60266	0.728735	0.826995	0.40824	0.981636	chr19	36637364	36659958	+	0	NA	intron (N	AluSz6|SI	18176	NM_001322	92283	Hs.590972	NM_153257	ENSG00000	ZNF461	GIOT-1|GI	zinc fing	protein-coding
chr19-373	10.43453	0.60266	0.728735	0.826995	0.40824	0.981636	chr19	37374450	37390523	+	0	NA	intron (N	L1MC4a|LI	11387	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr19-523	10.43453	0.60266	0.728735	0.826995	0.40824	0.981636	chr19	52379227	52385492	+	0	NA	intron (N	L1MB5|LIN	12436	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr19-578	10.43453	0.60266	0.728735	0.826995	0.40824	0.981636	chr19	57874019	57878655	+	0	NA	intron (N	intron (N	8577	NR_144562	1.01E+08	Hs.654820	NR_144562		UBE2CP5	-	ubiquitir	pseudo
chr10-145	9.598313	-0.62962	0.761419	-0.82691	0.40829	0.981636	chr10	14529687	14530314	+	0	NA	intron (N	intron (N	2714	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr14-727	9.598313	-0.62962	0.761419	-0.82691	0.40829	0.981636	chr14	72748721	72749127	+	0	NA	intron (N	THE1B-int	143725	NM_001280	8110	Hs.162868	NM_012074	ENSG00000	DPF3	BAF45C|CE	double PH	protein-coding
chr1-1461	9.639452	-0.62681	0.758121	-0.82679	0.408354	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSx1|SI	7268	NM_001302	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr11-737	9.639452	-0.62681	0.758121	-0.82679	0.408354	0.981636	chr11	73714710	73714909	+	0	NA	intron (N	AluSg|SIN	45284	NM_001243	5870	Hs.503222	NM_002869	ENSG00000	RAB6A	RAB6	RAB6A, me	protein-coding
chr12-248	7.352483	-0.73602	0.890624	-0.82641	0.408571	0.981636	chr12	24858562	24858828	+	0	NA	intron (N	MER41-int	43527	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr6-1308	7.352483	-0.73602	0.890624	-0.82641	0.408571	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	62398	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr22-403	8.26331	0.67914	0.8222	0.826004	0.408802	0.981636	chr22	40321187	40322137	+	0	NA	intron (N	AluSc|SIN	-24838	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chrX-7106	6.194124	-0.78117	0.945737	-0.82599	0.408807	0.981636	chrX	71061650	71062073	+	0	NA	exon (NM_	exon (NM_	6473	NM_013346	29934	Hs.260750	NM_013346	ENSG00000	SNX12	-	sorting n	protein-coding
chr8-1084	9.871383	0.621777	0.753026	0.825705	0.408971	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSx3|SI	7435	NM_014673	9694	Hs.654351	NM_014673	ENSG00000	EMC2	KIAA0103|	ER membra	protein-coding
chr1-3782	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr1	37820761	37821499	+	0	NA	intron (N	AluJb|SIN	-12922	NM_024640	79693	Hs.301564	NM_024640	ENSG00000	YRDC	DRIP3|IRI	yrdC N6-t	protein-coding
chr10-749	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr10	74984903	74986472	+	0	NA	intron (N	intron (N	-36046	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr11-916	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr11	9162205	9163613	+	0	NA	intron (N	AluJb|SIN	68546	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr12-781	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr12	78137834	78138918	+	0	NA	intron (N	intron (N	221370	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-105	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz|SIN	32337	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr14-450	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr14	45094613	45095575	+	0	NA	intron (N	intron (N	10978	NM_017922	55015	Hs.274337	NM_017922	ENSG00000	PRPF39	-	pre-mRNA	protein-coding
chr17-172	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr17	17275258	17275769	+	0	NA	intron (N	intron (N	5185	NM_001199	8533	Hs.6076	NM_003653	ENSG00000	COPS3	CSN3|SGN3	COP9 sigr	protein-coding
chr17-591	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr17	59102735	59103454	+	0	NA	intron (N	AluSx|SIN	3786	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr18-875	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr18	8756608	8760223	+	0	NA	intron (N	intron (N	41034	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr18-877	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr18	8774492	8775375	+	0	NA	intron (N	intron (N	57552	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-799	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr19	799964	801669	+	0	NA	intron (N	intron (N	3364	NM_031990	5725	Hs.172550	NM_002819	ENSG00000	PTBP1	HNRNP-I|H	polypyrim	protein-coding
chr2-1769	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr2	17698705	17700152	+	0	NA	intron (N	L1MDa|LIN	54382	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-5567	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr2	55670268	55671193	+	0	NA	intron (N	intron (N	23114	NM_033109	87178	Hs.388733	NM_033109	ENSG00000	PNPT1	COXPD13|P	polyribor	protein-coding
chr4-3887	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr4	38874046	38875591	+	0	NA	intron (N	L1PREC2|L	6786	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr5-3850	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr5	38502458	38503405	+	0	NA	intron (N	intron (N	53715	NM_001127	3977	Hs.133421	NM_002310	ENSG00000	LIFR	CD118|LIF	LIF recep	protein-coding
chr5-6923	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr5	69236896	69237972	+	0	NA	intron (N	L2a|LINE|	2548	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr5-1275	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	Intergeni	AluSq|SIN	41266	NM_130809	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr5-1755	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	L1ME1|LIN	40854	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr6-2654	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr6	26540401	26541286	+	0	NA	intron (N	intron (N	2477	NM_006353	10473	Hs.236774	NM_006353	ENSG00000	HMGN4	HMG17L3|N	high mobi	protein-coding
chr6-1175	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	54783	NM_001017	57120	Hs.191539	NM_020399	ENSG00000	GOPC	CAL|FIG|G	golgi ass	protein-coding
chr6-1692	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr6	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	12388	NR_134621	1.02E+08	Hs.442696	NR_134621	ENSG00000	LOC101929	-	uncharact	ncRNA
chr7-1314	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	86195	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr8-9425	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr8	94254709	94255554	+	0	NA	intron (N	intron (N	7188	NM_181702	2669	Hs.654463	NM_005261	ENSG00000	GEM	KIR	GTP bindi	protein-coding
chr8-1304	6.17055	-0.77539	0.939564	-0.82526	0.409224	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJr|SIN	6965	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr2-2027	8.222171	0.678331	0.822042	0.825178	0.40927	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MER11A|LT	96051	NM_001288	130026	Hs.516629	NM_138468	ENSG00000	ICA1L	ALS2CR14|	islet cel	protein-coding
chr2-2161	7.829655	-0.69881	0.84686	-0.82517	0.409274	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	44089	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr2-2414	4.247343	0.927808	1.124419	0.825145	0.409289	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	-27845	NR_036083	1E+08		NR_036083	ENSG00000	MIR3133	-	microRNA	ncRNA
chr18-215	9.971228	0.628899	0.762181	0.82513	0.409298	0.981636	chr18	21570703	21570902	+	0	NA	intron (N	AluY|SINE	29902	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr1-9728	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr1	9728705	9729129	+	0	NA	TTS (NM_0	TTS (NM_0	37450	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr10-307	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr10	307981	308422	+	0	NA	intron (N	intron (N	128207	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-112	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr10	1120889	1122814	+	0	NA	intron (N	intron (N	-37917	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr14-203	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr14	20383285	20384299	+	0	NA	exon (NM_	exon (NM_	29709	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr15-651	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr15	65104903	65105480	+	0	NA	intron (N	intron (N	1168	NM_001163	390595	Hs.659256	NM_001163	ENSG00000	UBAP1L	UBAP-1L	ubiquitir	protein-coding
chr2-1602	5.95711	0.78413	0.950557	0.824917	0.409419	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-18086	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr1-6667	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr1	66673092	66675085	+	0	NA	intron (N	AluJr|SIN	45648	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1087	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	6682	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr13-113	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	22054	NM_001256	8858	Hs.1011	NM_003891	ENSG00000	PROZ	PZ	protein Z	protein-coding
chr13-113	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	3' UTR (N	3' UTR (N	-4365	NM_138430	113622	Hs.98669	NM_138430	ENSG00000	ADPRHL1	ARH2	ADP-ribos	protein-coding
chr17-488	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr17	48895014	48895326	+	0	NA	exon (NM_	exon (NM_	2383	NM_005175	516	Hs.80986	NM_005175	ENSG00000	ATP5MC1	ATP5A|ATF	ATP synth	protein-coding
chr2-3933	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr2	39336126	39336733	+	0	NA	intron (N	AluSx1|SI	-92446	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr7-1041	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	28175	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr8-7329	7.888361	-0.6869	0.832708	-0.8249	0.409428	0.981636	chr8	73297882	73301950	+	0	NA	intron (N	intron (N	5314	NM_172037	157506	Hs.244940	NM_172037	ENSG00000	RDH10	SDR16C4	retinol c	protein-coding
chr5-7234	8.237887	0.67427	0.817532	0.824763	0.409506	0.981636	chr5	72343888	72345536	+	0	NA	intron (N	MER11B|LT	24339	NM_001284	79810	Hs.126906	NM_024754	ENSG00000	PTCD2	-	pentatric	protein-coding
chr11-133	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr11	13388311	13388566	+	0	NA	3' UTR (N	3' UTR (N	51841	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr11-688	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr11	68810431	68810672	+	0	NA	intron (N	intron (N	31365	NM_001876	1374	Hs.503043	NM_001876	ENSG00000	CPT1A	CPT1|CPT1	carnitine	protein-coding
chr13-459	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr13	45956131	45957222	+	0	NA	3' UTR (N	3' UTR (N	96070	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr16-217	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr16	2177960	2178614	+	0	NA	TTS (NM_0	TTS (NM_0	18318	NM_020764	57524	Hs.643537	NM_020764	ENSG00000	CASKIN1	ANKS5A	CASK inte	protein-coding
chr2-9323	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr2	9323261	9323460	+	0	NA	intron (N	intron (N	99231	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding

chr4-3970	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr4	39702433	39702988	+	0	NA	intron (N	intron (N	4574	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr7-1349	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-43677	NR_160299	340351	Hs.648616	NM_178563	ENSG00000	AGBL3	CCP3	ATP/GTP b	protein-coding
chr9-1275	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	15749	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chrX-7105	7.855079	-0.69199	0.839025	-0.82476	0.409507	0.981636	chrX	7105456	7105655	+	0	NA	intron (N	intron (N	-41735	NM_001320	412	Hs.522578	NM_000351	ENSG00000	STS	ARSC|ARSC	steroid s	protein-coding
chr20-273	26.58565	0.400418	0.485607	0.824573	0.409614	0.981636	chr20	27350665	27351284	+	0	NA	Intergeni	ALR/Alpha	-1141741	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr4-7794	7.641454	0.701324	0.850946	0.82417	0.409843	0.981636	chr4	77945470	77945875	+	0	NA	intron (N	MER11A|LT	82842	NM_020236	65008	Hs.532019	NM_020236	ENSG00000	MRPL1	BM022|L1M	mitochonc	protein-coding
chr2-2267	9.631595	-0.6255	0.758983	-0.82413	0.409863	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	exon (NM_	exon (NM_	1189	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr1-1844	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	90232	NM_030806	81563	Hs.497159	NM_030806	ENSG00000	C1orf21	PIG13	chromosom	protein-coding
chr1-2242	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJb|SIN	10517	NR_110668	1.02E+08	Hs.710128	NR_110668	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-985	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr11	985321	985829	+	0	NA	exon (NM_	exon (NM_	51143	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr6-3731	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr6	37316749	37319033	+	0	NA	intron (N	L2a|LINE|	-36092	NM_183078	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr7-2995	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr7	29954357	29955658	+	0	NA	intron (N	L1MB8|LIN	34794	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr9-1047	8.204605	0.671452	0.815514	0.823348	0.41031	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSc|SIN	20673	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr16-486	7.119442	0.736246	0.894436	0.82314	0.410428	0.981636	chr16	4869147	4869367	+	0	NA	intron (N	intron (N	20877	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr1-1557	10.40125	0.600362	0.729899	0.822528	0.410777	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJr4|SI	-9838	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr3-4912	10.40125	0.600362	0.729899	0.822528	0.410777	0.981636	chr3	49124291	49125309	+	0	NA	exon (NM_	exon (NM_	-3862	NM_001351	10869	Hs.255596	NM_006677	ENSG00000	USP19	ZMYND9	ubiquitin	protein-coding
chr19-271	25.6179	0.412214	0.50138	0.822159	0.410987	0.981636	chr19	27156007	27157002	+	0	NA	Intergeni	ALR/Alpha	-636927	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-4298	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr1	42980229	42981967	+	0	NA	intron (N	intron (N	22049	NR_033967	440584	Hs.260928	NR_033967	ENSG00000	SLC2A1-AS	-	SLC2A1 an	ncRNA
chr1-1844	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	85544	NM_030806	81563	Hs.497159	NM_030806	ENSG00000	C1orf21	PIG13	chromosom	protein-coding
chr1-2191	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr1	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	7951	NM_001300	127018	Hs.657617	NM_138794	ENSG00000	LYPLAL1	Q96AV0	lysophosp	protein-coding
chr12-477	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr12	47790265	47791045	+	0	NA	intron (N	intron (N	17417	NM_017842	55652	Hs.438867	NM_017842	ENSG00000	SLC48A1	HRG-1|HRC	solute ca	protein-coding
chr12-123	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	10179	NM_001319	353116	Hs.530315	NM_178314	ENSG00000	RILPL1	GOSPEL|RI	Rab inter	protein-coding
chr12-133	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-20093	NM_001300	7699	Hs.181552	NM_003440	ENSG00000	ZNF140	pHZ-39	zinc fing	protein-coding
chr13-205	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr13	20511192	20512449	+	0	NA	intron (N	intron (N	14037	NM_015974	51084	Hs.370703	NM_015974	ENSG00000	CRYL1	GDH|HEL30	crystalli	protein-coding
chr15-526	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr15	52668999	52672365	+	0	NA	intron (N	intron (N	7952	NM_019600	56204	Hs.152385	NM_019600	ENSG00000	FAM214A	KIAA1370	family wi	protein-coding
chr16-180	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr16	1807418	1810757	+	0	NA	TTS (NM_0	TTS (NM_0	-14179	NR_027389	3483	Hs.839	NM_004970	ENSG00000	IGFALS	ACLSD|ALS	insulin l	protein-coding
chr16-683	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr16	68352411	68354822	+	0	NA	intron (N	intron (N	42502	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr17-809	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr17	80951045	80952102	+	0	NA	intron (N	intron (N	19640	NR_148968	400627	Hs.591201	NR_148968	ENSG00000	LOC400627	-	uncharact	ncRNA
chr19-296	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr19	29674558	29675634	+	0	NA	3’ UTR (N	3’ UTR (N	9635	NM_024310	79156	Hs.466383	NM_024310	ENSG00000	PLEKHF1	APPD|LAPF	pleckstri	protein-coding
chr19-491	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr19	49176125	49179543	+	0	NA	intron (N	MIRb|SINE	20042	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr19-541	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr19	54120704	54121723	+	0	NA	intron (N	AluSq|SIN	5459	NM_015629	26121	Hs.515598	NM_015629	ENSG00000	PRPF31	NY-BR-99|	pre-mRNA	protein-coding
chr2-2382	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	12514	NM_022817	8864	Hs.58756	NM_003894	ENSG00000	PER2	FASPS|FAS	period ci	protein-coding
chr20-249	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr20	24963242	24964331	+	0	NA	3’ UTR (N	3’ UTR (N	14517	NM_003650	8530	Hs.143212	NM_003650	ENSG00000	CST7	CMAP	cystatin	protein-coding
chr20-336	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr20	33629838	33631463	+	0	NA	intron (N	intron (N	-31677	NM_080825	128864	Hs.324104	NM_080825	ENSG00000	C20orf144	dJ63M2.6	chromosom	protein-coding
chr22-297	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr22	29795297	29795676	+	0	NA	intron (N	intron (N	28117	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr3-1444	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr3	14443542	14444385	+	0	NA	intron (N	intron (N	41357	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr3-4493	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr3	44932136	44933633	+	0	NA	intron (N	intron (N	43290	NM_001349	51304	Hs.61430	NM_016598	ENSG00000	ZDHHC3	DHHC-3|DH	zinc fing	protein-coding
chr3-4853	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr3	48538342	48540444	+	0	NA	intron (N	intron (N	10628	NR_106881	1.02E+08		NR_106881	ENSG00000	MIR6823	hsa-mir-6	microRNA	ncRNA
chr3-4874	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr3	48746021	48746220	+	0	NA	TTS (NM_0	TTS (NM_0	-28842	NM_001146	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr3-5324	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr3	53245323	53248378	+	0	NA	intron (N	AluSp|SIN	9172	NM_001064	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketo	protein-coding
chr4-8749	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr4	874952	882414	+	0	NA	intron (N	L1MEc|LIN	-52554	NM_006651	10815	Hs.478930	NM_006651	ENSG00000	CPLX1	CPX-I|CPX	complexin	protein-coding
chr5-3480	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr5	348021	348999	+	0	NA	intron (N	L1ME1|LIN	44334	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr7-1479	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr7	1479924	1481288	+	0	NA	intron (N	intron (N	-21136	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr7-2212	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr7	2212483	2213336	+	0	NA	intron (N	intron (N	20036	NM_001304	8379	Hs.654838	NM_003550	ENSG00000	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr7-2312	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr7	23128732	23129892	+	0	NA	intron (N	intron (N	22651	NM_018846	55975	Hs.654817	NM_018846	ENSG00000	KLHL7	CISS3|KLH	kelch lik	protein-coding
chr9-1354	5.964968	0.78136	0.950562	0.821998	0.411078	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	5913	NM_014811	9858	Hs.533260	NM_014811	ENSG00000	PPP1R26	KIAA0649|	protein p	protein-coding
chr19-471	7.468044	-0.72234	0.879375	-0.82142	0.411405	0.981636	chr19	47153749	47154219	+	0	NA	intron (N	AluSp|SIN	23149	NM_001145	10055	Hs.515500	NM_005500	ENSG00000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr1-1739	10.44239	0.601083	0.732172	0.820959	0.41167	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluJr4|SI	-26528	NM_000488	462	Hs.75599	NM_000488	ENSG00000	SERPINC1	AT3|AT3D|	serpin fa	protein-coding
chr22-185	10.44239	0.601083	0.732172	0.820959	0.41167	0.981636	chr22	18535954	18537751	+	0	NA	non-codin	non-codin	9050	NM_001242	728229	Hs.376511	NM_001242	ENSG00000	TMEM191B	-	transmemb	protein-coding
chr1-1836	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10635	NM_005717	10092	Hs.518609	NM_005717	ENSG00000	ARPC5	ARC16|dJ1	actin rel	protein-coding
chr12-112	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-69437	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr14-951	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr14	95107727	95108175	+	0	NA	exon (NM_	exon (NM_	25552	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr16-293	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr16	2937237	2945297	+	0	NA	intron (N	FLAM_C|SI	-23008	NM_001253	79412	Hs.661128	NM_024507	ENSG00000	KREMEN2	KRM2	kringle c	protein-coding
chr16-720	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr16	72098821	72112794	+	0	NA	intron (N	intron (N	-11429	NM_001142	54957	Hs.134406	NM_017853	ENSG00000	TXNL4B	DLP|Dim2	thioredox	protein-coding
chr17-780	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr17	78073126	78075669	+	0	NA	intron (N	Tigger17c	37402	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C an	ncRNA
chr19-578	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr19	57873307	57873856	+	0	NA	exon (NM_	exon (NM_	5821	NR_144562	1.01E+08	Hs.654820	NR_144562		UBE2CP5	-	ubiquitin	pseudo
chr19-584	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr19	58429061	58430380	+	0	NA	Intergeni	Intergeni	10433	NM_003433	7691	Hs.156169	NM_003433	ENSG00000	ZNF132	pHZ-12	zinc fing	protein-coding
chr2-1004	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr2	10049132	10050218	+	0	NA	intron (N	intron (N	5430	NM_001177	8462	Hs.12229	NM_003597	ENSG00000	KLF11	FKLF|FKLF	Kruppel l	protein-coding
chr2-6980	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr2	69804187	69808825	+	0	NA	intron (N	intron (N	-23154	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr20-354	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr20	35475358	35479977	+	0	NA	intron (N	L2c|LINE|	17684	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr20-459	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr20	45940935	45944087	+	0	NA	intron (N	AluSp|SIN	7828	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr4-1767	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (N	MSTB|LTR|	78419	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LM	vascular	protein-coding
chr5-1592	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	12481	NM_145049	134510	Hs.591733	NM_145049	ENSG00000	UBLCP1	CPUB1	ubiquitin	protein-coding
chr9-1278	8.212463	0.669461	0.815658	0.820763	0.411781	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	1657	NR_039819	1.01E+08		NR_039819	ENSG00000	MIR4672	-	microRNA	ncRNA
chr18-216	7.919792	-0.69314	0.844628	-0.82064	0.411849	0.981636	chr18	21625630	21626324	+	0	NA	intron (N	intron (N	13663	NM_006938	6632	Hs.464734	NM_006938	ENSG00000	SNRPD1	HsT2456|S	small nuc	protein-coding
chr1-1490	5.949252	0.786946	0.959016	0.820576	0.411888	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	542	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr6-3018	5.949252	0.786946	0.959016	0.820576	0.411888	0.981636	chr6	30187236	30187819	+	0	NA	intron (N	intron (N	23981	NM_033229	89870	Hs.591789	NM_033229	ENSG00000	TRIM15	RNF93|ZNF	tripartit	protein-coding
chr7-7621	5.949252	0.786946	0.959016	0.820576	0.411888	0.981636	chr7	762139	763002	+	0	NA	intron (N	intron (N	-34894	NM_001164	5575	Hs.520851	NM_002735	ENSG00000	PRKAR1B	PRKAR1	protein k	protein-coding
chr1-2270	10.40911	0.598794	0.730097	0.820157	0.412126	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	Tigger1|D	80087	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr12-424	10.40911	0.598794	0.730097	0.820157	0.412126	0.981636	chr12	42401430	42402283	+	0	NA	intron (N	AluJb|SIN	70058	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr16-821	10.40911	0.598794	0.730097	0.820157	0.412126	0.981636	chr16	82149208	82149525	+	0	NA	exon (NM_	exon (NM_	20858	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr20-639	3.658768	1.021319	1.245648	0.81991	0.412268	0.981636	chr20	63920577	63921129	+	0	NA	TTS (NR_0	TTS (NR_0	985	NR_030639	1E+08		NR_030639	ENSG00000	MIR941-3	MIRN941-3	microRNA	ncRNA
chr11-861	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr11	8616873	8617205	+	0	NA	3’ UTR (N	3’ UTR (N	-22811	NM_001289	65975	Hs.501833	NM_030906	ENSG00000	STK33	-	serine/th	protein-coding
chr14-696	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr14	69659385	69660654	+	0	NA	intron (N	intron (N	48423	NM_014734	9766	Hs.440025	NM_014734	ENSG00000	SUSD6	DRAGO|KIA	sushi dom	protein-coding
chr19-191	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr19	19179866	19180874	+	0	NA	intron (N	intron (N	-10107	NM_001145	1E+08	Hs.153629	NM_001145	ENSG00000	MEF2B	RSRFR2	myocyte e	protein-coding
chr3-5166	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr3	51662740	51663117	+	0	NA	exon (NM_	exon (NM_	-8247	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr5-6561	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr5	65616148	65616639	+	0	NA	intron (N	AluSx1|SI	7940	NM_001656	373	Hs.792	NM_001656	ENSG00000	TRIM23	ARD1|ARFD	tripartit	protein-coding
chr7-4810	7.690451	0.699894	0.853912	0.819633	0.412425	0.981636	chr7	48108780	48109104	+	0	NA	TTS (NM_0	TTS (NM_0	19677	NM_003364	7378	Hs.488240	NM_003364	ENSG00000	UPP1	UDRPASE|U	uridine p	protein-coding
chr12-589	9.623737	-0.62417	0.761969	-0.81915	0.412699	0.981636	chr12	58913327	58913928	+	0	NA	intron (N	intron (N	5919	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr16-503	9.623737	-0.62417	0.761969	-0.81915	0.412699	0.981636	chr16	50346823	50349899	+	0	NA	intron (N	L1PA5|LIN	20627	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CELT	bromodoma	protein-coding
chr1-1089	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	10685	NM_001278	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr13-375	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr13	37578395	37578697	+	0	NA	intron (N	AluY|SINE	20222	NM_001286	10631	Hs.136348	NM_006475	ENSG00000	POSTN	OSF-2|OSF	periostin	protein-coding
chr17-139	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr17	1395738	1396227	+	0	NA	intron (N	AluSq2|SI	4240	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|F	tyrosine	protein-coding
chr2-3655	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr2	36555041	36555396	+	0	NA	intron (N	intron (N	42950	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr3-1490	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	-44801	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr3-1505	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq|SIN	6826	NM_032025	83939	Hs.655782	NM_032025	ENSG00000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr8-6167	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr8	61675959	61684512	+	0	NA	intron (N	intron (N	9576	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr9-1208	7.880503	-0.68532	0.836741	-0.81903	0.412767	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSq2|SI	7197	NM_005047	5711	Hs.193725	NM_005047	ENSG00000	PSMD5	S5B	proteasom	protein-coding
chr3-1075	7.651162	0.71086	0.867976	0.818986	0.412794	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA16|LI	25968	NM_001142	56987	Hs.124366	NM_020235	ENSG00000	BBX	ARTC1|HBP	BBX high	protein-coding
chr13-411	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr13	41148547	41148746	+	0	NA	intron (N	LTR76|LTR	15718	NR_120423	1.02E+08	Hs.663088	NR_120423	ENSG00000	LOC101929	-	uncharact	ncRNA
chr14-321	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr14	32138148	32138466	+	0	NA	intron (N	AluSx|SIN	61003	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoG	Rho GTPas	protein-coding
chr19-207	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr19	2071173	2073709	+	0	NA	3’ UTR (N	3’ UTR (N	-21197	NM_017572	2872	Hs.515032	NM_017572	ENSG00000	MKNK2	GPRK7|MNK	MAPK inte	protein-coding
chr2-2011	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	FLAM_C|SI	1768	NR_040030	65072	Hs.664613	NR_040030	ENSG00000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr3-3342	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr3	33421239	33421862	+	0	NA	intron (N	AluSx|SIN	18828	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LE	upstream	protein-coding
chr7-1299	7.65717	0.696976	0.851191	0.818825	0.412887	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	42990	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr6-1114	7.633596	0.703444	0.859145	0.818773	0.412916	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-81765	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr7-1054	6.103987	-0.78893	0.963927	-0.81845	0.413101	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	51797	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr7-1309	6.103987	-0.78893	0.963927	-0.81845	0.413101	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	MIR|SINE|	39222	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chr8-4780	6.103987	-0.78893	0.963927	-0.81845	0.413101	0.981636	chr8	47806983	47807241	+	0	NA	intron (N	intron (N	-68948	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr14-210	7.219287	0.745357	0.910729	0.818418	0.413119	0.981636	chr14	21093060	21093259	+	0	NA	exon (NM_	exon (NM_	5496	NM_016423	51222	Hs.250493	NM_016423	ENSG00000	ZNF219	ZFP219	zinc fing	protein-coding
chr8-4170	7.219287	0.745357	0.910729	0.818418	0.413119	0.981636	chr8	41708571	41708964	+	0	NA	intron (N	intron (N	-43493	NM_020480	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr8-2219	7.902227	-0.70167	0.857391	-0.81838	0.41314	0.981636	chr8	22196739	22197824	+	0	NA	exon (NM_	exon (NM_	31909	NR_033403	649	Hs.1274	NM_001199	ENSG00000	BMP1	OI13|PCOL	bone morp	protein-coding
chr12-283	5.99825	0.784973	0.959227	0.818339	0.413164	0.981636	chr12	28398873	28400650	+	0	NA	intron (N	THE1C-int	-209023	NR_148936	729291	Hs.129278	NR_148936		LOC729291	-	uncharact	ncRNA
chr17-309	5.99825	0.784973	0.959227	0.818339	0.413164	0.981636	chr17	30939935	30940685	+	0	NA	intron (N	AluSz|SIN	18365	NM_018404	55803	Hs.514063	NM_018404	ENSG00000	ADAP2	CENTA2|HS	ArfGAP wi	protein-coding
chr2-2391	5.99825	0.784973	0.959227	0.818339	0.413164	0.981636	chr2	2.39E+08	2.39E+08	+	0	NA	intron (N	AluSx|SIN	-47664	NR_039643	1.01E+08		NR_039643	ENSG00000	MIR4441	-	microRNA	ncRNA
chr3-1603	5.99825	0.784973	0.959227	0.818339	0.413164	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJr4|SI	76509	NM_001190	57560	Hs.478095	NM_020800	ENSG00000	IFT80	ATD2|SRTD	intraflag	protein-coding
chr9-1283	5.99825	0.784973	0.959227	0.818339	0.413164	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	4443	NM_001329	26995	Hs.632685	NM_015679	ENSG00000	TRUB2	CLONE2492	TruB pseu	protein-coding
chr5-4754	85.31221	0.264697	0.323526	0.818164	0.413264	0.981636	chr5	47547457	47547665	+	0	NA	Intergeni	ALR/Alpha	-1851181	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1759	13.17677	0.539688	0.659705	0.818075	0.413314	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	THE1B-int	-15333	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Ca	ncRNA
chr2-1052	5.442957	0.835821	1.021698	0.818071	0.413317	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	31175	NM_007227	11250	Hs.590903	NM_007227	ENSG00000	GPR45	PSP24|PSP	G protein	protein-coding
chr1-5280	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr1	52802173	52803394	+	0	NA	intron (N	intron (N	-39977	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr12-500	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr12	50099983	50100686	+	0	NA	3’ UTR (N	3’ UTR (N	-3674	NM_005276	2819	Hs.524418	NM_005276	ENSG00000	GPD1	GPD-C|GPD	glycerol-	protein-coding
chr12-653	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr12	65393386	65394876	+	0	NA	intron (N	intron (N	115144	NM_001193	253827	Hs.339024	NM_198080	ENSG00000	MSRB3	DFNB74	methionin	protein-coding
chr17-812	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr17	81284510	81284789	+	0	NA	intron (N	intron (N	10658	NM_001037	124565	Hs.352240	NM_138570	ENSG00000	SLC38A10	PP1744	solute ca	protein-coding
chr18-927	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr18	9276803	9277356	+	0	NA	intron (N	intron (N	-57694	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr2-3932	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr2	39328090	39329390	+	0	NA	intron (N	intron (N	-84757	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr22-409	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr22	40962176	40962758	+	0	NA	intron (N	intron (N	11089	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr4-1501	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr4	15013075	15014111	+	0	NA	intron (N	intron (N	11112	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr5-1361	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-18147	NR_026763	9597	Hs.59666	NM_022001	ENSG00000	SMAD5-AS1	DAMS|SMAD	SMAD5 ant	ncRNA
chr7-1349	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	45888	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr8-1054	6.162693	-0.77336	0.945408	-0.81801	0.413349	0.981636	chr8	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	125564	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing	protein-coding
chr17-287	7.377907	-0.72851	0.890912	-0.81772	0.41352	0.981636	chr17	28752111	28752600	+	0	NA	Intergeni	AluSx3|SI	8344	NM_004295	9618	Hs.8375	NM_004295	ENSG00000	TRAF4	CART1|MLN	TNF recep	protein-coding
chr3-5725	7.377907	-0.72851	0.890912	-0.81772	0.41352	0.981636	chr3	57257362	57257596	+	0	NA	intron (N	intron (N	-12087	NR_135535	1.05E+08	Hs.745243	NR_135535		LOC105377	-	uncharact	ncRNA

chrX-129	7.377907	-0.72851	0.890912	-0.81772	0.41352	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (	AluSz|SIN	13874	NM_00664	10813	Hs.45859	NM_00664	ENSG0000	UTP14A	NYC016|SI	UTP14A sm	protein-coding
chr8-937	9.514184	-0.64536	0.789434	-0.8175	0.413642	0.981636	chr8	93738505	93738742	+	0	NA	intron (	AluJb|SIN	-1488	NR_02725	55472	Hs.19278	NM_01860	ENSG0000	RBM12B-AS	C8orf39|R	RBM12B an	ncRNA
chr1-681	8.245745	0.672292	0.822481	0.817395	0.413703	0.981636	chr1	68153062	68153850	+	0	NA	intron (	intron (	30154	NR_031664	1E+08		NR_031664	ENSG0000	MIR1262	MIRN1262|	microRNA	ncRNA
chr10-457	8.245745	0.672292	0.822481	0.817395	0.413703	0.981636	chr10	45776050	45776729	+	0	NA	intron (	intron (	40935	NM_001351	643479	Hs.52290	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr10-875	8.245745	0.672292	0.822481	0.817395	0.413703	0.981636	chr10	87530518	87530938	+	0	NA	intron (	L1PA5|LIN	22895	NM_001178	9562	Hs.12126	NM_004897	ENSG0000	MINPP1	HIPER1|MI	multiple	protein-coding
chr1-547	7.411188	-0.72288	0.884372	-0.81739	0.413705	0.981636	chr1	54733160	54733588	+	0	NA	intron (	AluJb|SIN	17513	NM_004623	7268	Hs.41248	NM_004623	ENSG0000	TTC4	CNS1	tetratric	protein-coding
chr12-248	7.411188	-0.72288	0.884372	-0.81739	0.413705	0.981636	chr12	24892350	24892757	+	0	NA	intron (	intron (	9669	NM_001178	586	Hs.43899	NM_005504	ENSG0000	BCAT1	BCATC|BC	branched	protein-coding
chr17-666	7.9295	-0.68334	0.836041	-0.81735	0.413729	0.981636	chr17	66641862	66642416	+	0	NA	intron (	AluY|SINE	-144933	NR_030364	693219		NR_030364	ENSG0000	MIR634	MIRN634|	microRNA	ncRNA
chr10-406	26.09692	0.404693	0.495166	0.817288	0.413764	0.981636	chr10	40633542	40633977	+	0	NA	Intergeni	ALR/Alpha	1734286	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr2-1327	11.35911	-0.58075	0.710727	-0.81712	0.413861	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-101919	NM_001077	116372	Hs.43239	NM_14458	ENSG0000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr14-954	4.221919	0.919094	1.124831	0.817095	0.413874	0.981636	chr14	95417197	95417874	+	0	NA	3’ UTR (	3’ UTR (	58300	NM_001363	161176	Hs.41502	NM_02463	ENSG0000	SYNE3	C14orf139	spectrin	protein-coding
chr7-1474	4.221919	0.919094	1.124831	0.817095	0.413874	0.981636	chr7	1474716	1475647	+	0	NA	intron (	AluJb|SIN	-15711	NM_182924	79778	Hs.37661	NM_02472	ENSG0000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr1-527	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr1	52797566	52798005	+	0	NA	intron (	AluY|SINE	-44975	NM_001307	440590	Hs.65845	NM_001004	ENSG0000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr13-215	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr13	21509487	21509737	+	0	NA	intron (	MLT1H|LTR	-50242	NM_001286	253832	Hs.564611	NM_153251	ENSG0000	ZDHHC20	4933421L1	zinc fing	protein-coding
chr16-882	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr16	8829879	8830345	+	0	NA	intron (	HERV35I-i	-19357	NR_147908	1E+08	Hs.73551	NR_147908		LOC10013	-	uncharact	ncRNA
chr2-1357	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (	L4_C_Mam|	-20880	NR_163478	1.08E+08	Hs.59124	NM_001365239		LOC10798	-	uncharact	ncRNA
chr3-714	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr3	71490831	71491416	+	0	NA	intron (	AluSx1|SI	50966	NR_031697	1E+08		NR_031697	ENSG0000	MIR1284	MIRN1284|	microRNA	ncRNA
chr7-533	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr7	5338957	5340151	+	0	NA	intron (	(TG)n|Sim	56611	NM_00104	222962	Hs.4302	NM_153247	ENSG0000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr9-1347	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	75797	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chrX-168	7.921642	-0.6818	0.834499	-0.81702	0.413917	0.981636	chrX	16855503	16855736	+	0	NA	intron (	intron (	14244	NM_001198	5931	Hs.49575	NM_002893	ENSG0000	RBBP7	RbAp46	RB bindir	protein-coding
chr9-1217	7.749157	0.707935	0.866561	0.816947	0.413958	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	33137	NM_13870	153090	Hs.52237	NM_03255	ENSG0000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr7-105	7.160582	0.736781	0.902001	0.81683	0.414026	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (	intron (	-34640	NM_00135	1E+08	Hs.71943	NM_00135	ENSG0000	EFCAB10	-	EF-hand c	protein-coding
chr7-672	4.437024	-0.93064	1.139428	-0.81676	0.414063	0.981636	chr7	67286899	67287098	+	0	NA	TTS (NR_	TTS (NR_	15444	NR_046297	5382	Hs.71271	NR_022007	ENSG0000	PMS2P4	PMS2L4|PM	PMS1 homo	pseudo
chr8-986	7.821797	-0.69732	0.853923	-0.81661	0.41415	0.981636	chr8	98699589	98699794	+	0	NA	intron (	L1PA3|LIN	125980	NM_00125	6788	Hs.49233	NM_006281	ENSG0000	STK3	KRS1|MST2	serine/th	protein-coding
chr1-227	10.9644	0.583202	0.71418	0.816604	0.414155	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	exon (NM_	exon (NM_	43215	NR_036753	401983	Hs.68181	NR_036753		ZNF847P	gm127	zinc fing	pseudo
chr1-123	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr1	12308691	12309003	+	0	NA	intron (	AluSx|SIN	78817	NM_015378	55187	Hs.439381	NM_01537	ENSG0000	VPS13D	SCAR4	vacuolar	protein-coding
chr13-102	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (	intron (	26239	NM_003291	7174	Hs.432424	NM_003291	ENSG0000	TPP2	TPP-2|TPP	tripeptic	protein-coding
chr17-405	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr17	4054940	4055139	+	0	NA	intron (	L2c|LINE|	77936	NR_146884	1.05E+08	Hs.57923	NR_146884		LINC0197	-	long inte	ncRNA
chr19-113	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr19	11359546	11360145	+	0	NA	exon (NM_	exon (NM_	4413	NM_00117	64748	Hs.6846	NM_022737	ENSG0000	PLPPR2	LPPR2|PRG	phospholi	protein-coding
chr2-8621	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr2	86210861	86211060	+	0	NA	3’ UTR (	3’ UTR (	11503	NM_016622	51318	Hs.43343	NM_01662	ENSG0000	MRPL35	L35mt|MRP	mitochonc	protein-coding
chr20-582	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr20	58246857	58248462	+	0	NA	intron (	intron (	-19006	NM_001304	140731	Hs.266571	NM_080674	ENSG0000	ANKRD60	C20orf86|	ankyrin r	protein-coding
chr4-357	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr4	357885	360025	+	0	NA	3’ UTR (	3’ UTR (	8798	NR_030297	693156		NR_030297	ENSG0000	MIR571	MIRN571|	microRNA	ncRNA
chr5-1802	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (	L1ME3B|LI	6815	NM_001308	5601	Hs.484371	NM_002752	ENSG0000	MAPK9	JNK-55|J	mitogen-a	protein-coding
chr9-121	8.179182	0.666655	0.816398	0.816581	0.414168	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (	HAL1|LINE	11587	NM_198194	2040	Hs.25390	NM_00409	ENSG0000	STOM	BND7|EPB7	stomatin	protein-coding
chr1-2144	6.129411	-0.78004	0.955542	-0.81633	0.41431	0.981636	chr1	21447344	21447637	+	0	NA	intron (	L1MC2|LIN	7353	NM_00125	84224	Hs.32542	NM_032264	ENSG0000	NBPF3	AE2	NBPF memb	protein-coding
chr19-577	6.129411	-0.78004	0.955542	-0.81633	0.41431	0.981636	chr19	57761071	57761270	+	0	NA	Intergeni	AluSz6|SI	-8482	NM_001204	54807	Hs.62513	NM_017652	ENSG0000	ZNF586	-	zinc fing	protein-coding
chr2-1514	6.129411	-0.78004	0.955542	-0.81633	0.41431	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	21972	NM_001177	55183	Hs.536537	NM_018151	ENSG0000	RIF1	-	replicati	protein-coding
chr2-202	6.129411	-0.78004	0.955542	-0.81633	0.41431	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	Intergeni	Intergeni	13842	NR_003031	692058		NR_003031	ENSG0000	SNORD11	HBII-95	small nuc	snoRNA
chr6-158	6.129411	-0.78004	0.955542	-0.81633	0.41431	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	73874	NM_001178	8871	Hs.434494	NM_00389	ENSG0000	SYNJ2	INPP5H	synaptoja	protein-coding
chr11-654	7.847221	-0.69045	0.846022	-0.81611	0.414437	0.981636	chr11	65436819	65438182	+	0	NA	non-codi	non-codi	-6958	NR_03034	693197		NR_03034	ENSG0000	MIR612	MIRN612|	microRNA	ncRNA
chr2-5557	7.847221	-0.69045	0.846022	-0.81611	0.414437	0.981636	chr2	55576050	55577153	+	0	NA	intron (	AluSc8|SI	41021	NM_001122	57223	Hs.51618	NM_02046	ENSG0000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr4-159	7.847221	-0.69045	0.846022	-0.81611	0.414437	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (	L1PB4|LIN	37424	NM_001351	9693	Hs.74488	NM_014247	ENSG0000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr9-137	7.847221	-0.69045	0.846022	-0.81611	0.414437	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (	LTR13|LTR	7694	NM_032477	64975	Hs.44017	NM_032477	ENSG0000	MRPL41	BMRP|MRP-	mitochonc	protein-coding
chr18-492	10.97411	0.590072	0.723221	0.815894	0.414561	0.981636	chr18	49281673	49281891	+	0	NA	intron (	L1PA4|LIN	178863	NM_001353	54808	Hs.16299	NM_01765	ENSG0000	DYM	DMC|SMC	dymeclin	protein-coding
chr17-408	9.672734	-0.62259	0.763775	-0.81515	0.414986	0.981636	chr17	40817345	40818159	+	0	NA	TTS (NM_	TTS (NM_	-1393	NR_160887	147184	Hs.35316	NM_145274	ENSG0000	TMEM99	-	transmemb	ncRNA
chr11-124	7.452328	-0.71889	0.882166	-0.81491	0.415124	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (	AluSg|SIN	11132	NM_00113	4013	Hs.152944	NM_014622	ENSG0000	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr19-255	27.3591	0.411485	0.505111	0.814643	0.415277	0.981636	chr19	25552364	25552870	+	0	NA	Intergeni	ALR/Alpha	-1389170	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr16-886	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr16	88606413	88606923	+	0	NA	intron (	AluJo|SIN	-31904	NM_013278	27189	Hs.278911	NM_013278	ENSG0000	IL17C	CX2|IL-17	interleuk	protein-coding
chr17-600	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr17	60043221	60045432	+	0	NA	intron (	intron (	-1221	NR_03989	1.01E+08		NR_03989	ENSG0000	MIR4737	-	microRNA	ncRNA
chr17-753	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr17	75331250	75331934	+	0	NA	intron (	intron (	-42143	NM_021734	60386	Hs.51447	NM_021734	ENSG0000	SLC25A19	DNC|MCPHA	solute ca	protein-coding
chr19-531	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr19	53114745	53115207	+	0	NA	intron (	intron (	-11542	NM_001322	90338	Hs.655967	NM_03328	ENSG0000	ZNF160	F11|HKr1	zinc fing	protein-coding
chr19-551	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr19	55108781	55109326	+	0	NA	intron (	L1MB3|LIN	8584	NM_017607	54776	Hs.63157	NM_017607	ENSG0000	PPP1R12C	AAVS1|LEN	protein p	protein-coding
chr20-348	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr20	34858944	34859630	+	0	NA	intron (	L1ME2|LIN	13569	NM_178026	2686	Hs.43373	NM_178026	ENSG0000	GGT7	D20S101|	gamma-glu	protein-coding
chr3-183	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (	Charlie23	41231	NR_03965	1.01E+08		NR_03965	ENSG0000	MIR4448	-	microRNA	ncRNA
chr6-637	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr6	63704067	63705112	+	0	NA	intron (	L1MC1|LIN	58063	NM_015153	23469	Hs.348921	NM_015153	ENSG0000	PHF3	-	PHD finge	protein-coding
chr7-447	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr7	44707383	44709279	+	0	NA	3’ UTR (	3’ UTR (	-40235	NM_00130	83637	Hs.77978	NM_03144	ENSG0000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr7-149	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	11364	NR_163909								
chr9-375	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr9	37539900	37541843	+	0	NA	intron (	intron (	35509	NM_01216	26267	Hs.70952	NM_01216	ENSG0000	FBXO10	FBX10|PRM	F-box pro	protein-coding
chr9-127	5.931687	0.777711	0.954675	0.814634	0.415282	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (	L1MC5a|LI	31917	NR_03747	1.01E+08		NR_03747	ENSG0000	MIR3911	mir-3911	microRNA	ncRNA
chr3-4492	7.1273	0.733663	0.900832	0.814428	0.4154	0.981636	chr3	44927172	44927426	+	0	NA	intron (	intron (	48875	NM_001349	51304	Hs.61430	NM_01659	ENSG0000	ZDHHC3	DHHC-3|DH	zinc fing	protein-coding
chr8-125	7.1273	0.733663	0.900832	0.814428	0.4154	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (	L1MC|LINE	36513	NM_003129	6713	Hs.71465	NM_003129	ENSG0000	SQLE	-	squalene	protein-coding
chr1-1504	8.171324	0.668656	0.821055	0.814387	0.415423	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (	AluSx1|SI	-26889	NM_001271	80222	Hs.288974	NM_02515	ENSG0000	TARS2	COXPD21|	threonyl-	protein-coding
chr9-362	8.171324	0.668656	0.821055	0.814387	0.415423	0.981636	chr9	36225473	36225672	+	0	NA	intron (	AluJb|SIN	32876	NM_00119	10020	Hs.5920	NM_00547	ENSG0000	GNE	DMRV|GLC	glucosami	protein-coding
chr9-959	8.171324	0.668656	0.821055	0.814387	0.415423	0.981636	chr9	95924881	95925765	+	0	NA	intron (	intron (	49315	NM_00101	375748	Hs.432364	NM_020207	ENSG0000	ERCC6L2	BMFS2|C9	ERCC exci	protein-coding
chr1-323	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr1	32380777	32391722	+	0	NA	intron (	AluY|SINE	8192	NM_00130	55108	Hs.353454	NM_01804	ENSG0000	BSDC1	-	BSD domai	protein-coding
chr1-407	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr1	40753421	40754607	+	0	NA	promoter-	promoter-	-341	NR_02984	407034		NR_02984	ENSG0000	MIR30E	MIRN30E|	microRNA	ncRNA
chr1-144	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (	MER5A|DNA	185329	NR_027354	645166	Hs.74418	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr10-124	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (	Tigger1|	19728	NM_212554	399818	Hs.72081	NM_212554	ENSG0000	EEF1AKMT	C10orf13	EEF1A lys	protein-coding
chr12-111	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluSc|SIN	37465	NM_00676	8315	Hs.53094	NM_00676	ENSG0000	BRAP	BRAP2|IMF	BRCA1 ass	protein-coding
chr15-229	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr15	22931861	22933629	+	0	NA	intron (	intron (	-15432	NM_001033	23191	Hs.26704	NM_01460	ENSG0000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr15-636	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr15	63652833	63654306	+	0	NA	intron (	MER2|DNA|	-52742	NR_03408	1E+08	Hs.63116	NR_03408	ENSG0000	USP3-AS1	-	USP3 anti	ncRNA
chr15-657	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr15	65713361	65715752	+	0	NA	intron (	intron (	4776	NR_03973	1.01E+08		NR_03973	ENSG0000	MIR4511	mir-4511	microRNA	ncRNA
chr17-794	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr17	7943093	7946444	+	0	NA	intron (	AluJr|SIN	12562	NM_001353	116840	Hs.34801	NM_053051	ENSG0000	CNTROB	LIP8|PP12	centrobir	protein-coding
chr6-148	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (	MER1A|DNA	19601	NM_001346	23328	Hs.19313	NM_01527	ENSG0000	SASH1	CAPOK|DUF	SAM and S	protein-coding
chr7-5214	8.187039	0.66466	0.816541	0.813995	0.415648	0.981636	chr7	5214664	5219279	+	0	NA	intron (	intron (	2702	NM_001033	26100	Hs.12236	NM_01561	ENSG0000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr11-102	7.913784	-0.68023	0.83573	-0.81393	0.415685	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (	L1PA2|LIN	27547	NM_00125	329	Hs.69623	NM_00116	ENSG0000	BIRC2	API1|HIAP	baculovir	protein-coding
chr17-624	7.913784	-0.68023	0.83573	-0.81393	0.415685	0.981636	chr17	62486210	62486414	+	0	NA	intron (	AluSc|SIN	5199	NM_001284	11011	Hs.44507	NM_00685	ENSG0000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr19-240	7.913784	-0.68023	0.83573	-0.81393	0.415685	0.981636	chr19	24051696	24052529	+	0	NA	intron (	BSR/Beta|	18663	NM_001278	9534	Hs.43440	NM_00487	ENSG0000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr2-880	7.913784	-0.68023	0.83573	-0.81393	0.415685	0.981636	chr2	88033658	88034091	+	0	NA	intron (	L1MB7|LIN	21909	NM_001304	51315	Hs.469254	NM_01661	ENSG0000	KRCC1	CHBP2	lysine ri	protein-coding
chr3-167	7.913784	-0.68023	0.83573	-0.81393	0.415685	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	Intergeni	L1MC4|LIN	-17993	NM_001348	151790	Hs.21376	NM_178824	ENSG0000	WDR49	-	WD repeat	protein-coding
chr1-161	10.93112	0.580979	0.713896	0.813816	0.415751	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (	MER63B|DN	-6292	NM_00410	2207	Hs.43330	NM_00410	ENSG0000	FCER1G	FCRG	Fc fragme	protein-coding
chr11-120	4.922055	-0.85124	1.046016	-0.8138	0.415762	0.981636	chr11	12003367	12004211	+	0	NA	intron (	intron (	4850	NM_001018	27122	Hs.29215	NM_01325	ENSG0000	DKK3	REIC|RIG	dickkopf	protein-coding
chr18-217	4.922055	-0.85124	1.046016	-0.8138	0.415762	0.981636	chr18	21773073	21773797	+	0	NA	intron (	intron (	32106	NM_020774	57534	Hs.14090	NM_020774	ENSG0000	MIB1	DIP-1|DIP	mindbomb	protein-coding
chr4-769	4.922055	-0.85124	1.046016	-0.8138	0.415762	0.981636	chr4	76966229	76967154	+	0	NA	intron (	AluJb|SIN	16939	NM_00130	55752	Hs.12819	NM_01824	ENSG0000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-112	4.922055	-0.85124	1.046016	-0.8138	0.415762	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	-29371	NM_001204	6728	Hs.637001	NM_00313	ENSG0000	SRP19	-	signal re	protein-coding
chr7-8412	4.922055	-0.85124	1.046016	-0.8138	0.415762	0.981636	chr7	84128451	84129307	+	0	NA	intron (	Tigger4b|	65910	NM_00608	10371	Hs.252451	NM_00608	ENSG0000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr19-488	14.07426	-0.51802	0.636835	-0.81343	0.41597	0.981636	chr19	48873214	48878359	+	0	NA	exon (NM_	exon (NM_	3394	NM_01433	23645	Hs.63159	NM_01433	ENSG0000	PPP1R15A	GADD34	protein p	protein-coding
chr1-2644	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr1	26449495	26450263	+	0	NA	intron (	L2|LINE|L	17558	NM_205861	79947	Hs.36938	NM_024887	ENSG0000	DHDDS	CIT|CPT|	dehydrodo	protein-coding
chr1-150	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	Intergeni	-20806	NM_001197	4170	Hs.63248	NM_02196	ENSG0000	MCL1	BCL2L3|EA	MCL1 apop	protein-coding
chr1-1682	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	3’ UTR (	3’ UTR (	3740	NR_026844	84832	Hs.537067	NR_026844	ENSG0000	ANKRD36B	ANKRD26L1	ankyrin r	pseudo
chr1-214	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr1	2.15E+08	2.15E+08	+	0	NA	intron (	intron (	19010	NM_005401	5784	Hs.193557	NM_005401	ENSG0000	PTPN14	CATLPH|PE	protein t	protein-coding
chr12-911	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr12	9111374	9112729	+	0	NA	intron (	intron (	4178	NM_001347	2	Hs.88556	NM_000014	ENSG0000	A2M	A2MD|CPAM	alpha-2-m	protein-coding
chr12-490	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr12	49099577	49105726	+	0	NA	intron (	intron (	-7850	NM_021044	50846	Hs.524382	NM_021044	ENSG0000	DHH	GDXYM|HH	desert he	protein-coding
chr20-338	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr20	33854272	33855422	+	0	NA	TTS (NM_1	TTS (NM_1	43499	NM_176812	128866	Hs.472471	NM_176812	ENSG0000	CHMP4B	C20orf17	charged m	protein-coding
chr21-334	8.220321	0.667458	0.820599	0.813379	0.416001	0.981636	chr21	33414908	33416018	+	0	NA	intron (	intron (	12567	NM_001329	3460	Hs.634632	NM_005534	ENSG0000	IFNGR2	AF-1|IFGR	interferc	protein-coding
chr8-103	6.883168	-0.77958	0.958601	-0.81325	0.416076	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	TTS (NM_	TTS (NM_	16455	NM_03078	81034	Hs.53226	NM_03078	ENSG0000	SLC25A32	MFT|MFTC|	solute ca	protein-coding
chr1-150	10.93898	0.579486	0.712619	0.813179	0.416116	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	3’ UTR (	3’ UTR (	4451	NM_207047	2029	Hs.63245	NM_00443	ENSG0000	ENSA	ARPP-19e	endosulfi	protein-coding
chr1-151	10.93898	0.579486	0.712619	0.813179	0.416116	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (	AluSx|SIN	47359	NM_00133	81609	Hs.19232	NM_03091	ENSG0000	SNX27	MRT1|MY01	sorting r	protein-coding
chr1-1567	10.93898	0.579486	0.712619	0.813179	0.416116	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	non-codi	non-codi	-2147	NM_145729	79590	Hs.41823	NM_02454	ENSG0000	MRPL24	L24mt|MRP	mitochonc	protein-coding
chr10-736	6.203832	-0.76857	0.945938	-0.8125	0.416505	0.981636	chr10	73681314	73681583	+	0	NA	intron (	intron (	16348	NM_001144	729092	Hs.651147	NM_001144	ENSG0000	AGAP5	CTGLF2	ArfGAP wi	protein-coding
chr11-433	6.203832	-0.76857	0.945938	-0.8125	0.416505	0.981636	chr11	43335255	43335881	+	0	NA	intron (	intron (	-23317	NM_001307	55761	Hs.19118	NM_01825	ENSG0000	TTC17	-	tetratric	protein-coding
chr20-628	6.203832	-0.76857	0.945938	-0.8125	0.416505	0.981636	chr20	62880593	62880792	+	0	NA	exon (NM_	exon (NM_	2211	NR_145839	1.1E+08		NR_145839		SNORA117	-	small nuc	snoRNA
chr5-109	6.203832	-0.76857	0.945938	-0.8125	0.416505	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-37229	NR_033175	1E+08	Hs.36840	NR_033175		LINC0184	-	long inte	ncRNA
chr6-133	6.203832	-0.76857	0.945938	-0.8125	0.416505	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	33612	NM_001301	2070	Hs.59668	NM_00410	ENSG0000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr1-1851	4.478164	-0.92322	1.136942	-0.81202	0.41678	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	3’ UTR (	3’ UTR (	55326	NM_030934	81627	Hs.10714	NM_030934	ENSG0000	TRMT1L	C1orf25|	tRNA meth	protein-coding
chr10-737	9.615879	-0.62279	0.76715	-0.81183	0.416891	0.981636	chr10	73770997	73771498	+	0	NA	3’ UTR (	3’ UTR (	-1029	NM_17354	170384	Hs.58885	NM_17354	ENSG0000	FUT11	FUCTXI	fucosyltr	protein-coding
chr10-103	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (	AluJr|SIN	-7366	NM_001351	22978	Hs.97439	NM_01222	ENSG0000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr12-506	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr12	50686351	50687352	+	0	NA	intron (	intron (	-77250	NM_005171	466	Hs.64856	NM_005171	ENSG0000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-106	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (	L2a|LINE|	22068	NM_001286	255394	Hs.696047	NM_15277	ENSG0000	TCP11L2	-	t-complex	protein-coding
chr15-902	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr15	90223046	90227054	+	0	NA	exon (NM_	exon (NM_	8891	NM_006384	10519	Hs.71555	NM_006384	ENSG0000	CIB1	CIB|CIBP|	calcium a	protein-coding
chr16-310	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr16	31083639	31084660	+	0	NA	TTS (NM_	TTS (NM_	4660	NM_001039	339105	Hs.56957	NM_00103	ENSG0000	PRSS53	POL3S|UNG	serine pr	protein-coding
chr16-816	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr16	81699143	81699666	+	0	NA	intron (	intron (	34050	NR_045112	1E+08	Hs.657151	NR_045112		LOC10012	-	uncharact	ncRNA
chr2-2747	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr2	27479497	27481170	+	0	NA	intron (	intron (	9410	NM_015662	26160	Hs.127401	NM_01566	ENSG0000	IFT172	BBS20|NPH	intraflag	protein-coding
chr6-107	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr6	10753215	10753951	+	0	NA	intron (	L2b|LINE|	5778	NM_030969	81853	Hs.95600	NM_03096	ENSG0000	TMEM14B	-	transmemb	protein-coding
chr9-1271	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (	L3|LINE|	21701	NM_012098	23452	Hs.65326	NM_01209	ENSG0000	ANGPTL2	ARP2|HARP	angiopoie	protein-coding
chr9-129	5.972826	0.778519	0.959035	0.811774	0.416921	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	-12397	NR_106914	1.02E+08		NR_106914	ENSG0000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr1-1804	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	Tigger2|	17795	NR_036067	1E+08		NR_036067	ENSG0000	MIR3121	mir-3121	microRNA	ncRNA
chr12-111	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluJb|SIN	10726	NM_00676	8315	Hs.53094	NM_00676	ENSG0000	BRAP	BRAP2|IMF	BRCA1 ass	protein-coding
chr15-727	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr15	72777470	72778191	+	0	NA	intron (	intron (	-5005	NR_040107	1E+08	Hs.562587	NR_040107	ENSG0000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr16-25	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr16	2599488	2600677	+	0	NA	3’ UTR (	3’ UTR (	-3302	NR_015441	652276	Hs.72044	NR_015441	ENSG0000	LOC65227	-	potassiu	pseudo
chr17-238	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr17	2386303	2388150	+	0	NA	exon (NM_	exon (NM_	13834	NM_02031	4335	Hs.62657	NM_02031	ENSG0000	MNT	MAD6|MXD	MAX netwo	protein-coding
chr17-400	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr17	40050210	40051750	+	0	NA	intron (	AluSp|SIN	3428	NR_052017	9862	Hs.46298	NM_01481	ENSG0000	MED24	ARC100|C	mediator	protein-coding
chr19-234	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr19	2341264	2342312	+	0	NA	intron (	intron (	13104	NM_152988	56928	Hs.74402	NM_15298	ENSG0000	SPPL2B	IMP-4|IMP	signal pe	protein-coding

chr19-458	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr19	45895765	45896738	+	0	NA	intron (N	AluSx|SIN	6362	NM_001012	339344	Hs.515478	NM_001012	ENSG00000	MYPOP	P42pop	Myb relat	protein-coding
chr20-589	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr20	58998810	59000152	+	0	NA	intron (N	intron (N	7773	NM_001336	1522	Hs.252549	NM_001336	ENSG00000	CTSZ	CTSX	cathepsin	protein-coding
chr22-317	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr22	31776425	31778888	+	0	NA	intron (N	intron (N	23633	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr5-1739	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	18783	NM_001308	80315	Hs.127126	NM_030627	ENSG00000	CPEB4	CPE-BP4|h	cytoplasm	protein-coding
chr7-7504	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr7	75043822	75044287	+	0	NA	intron (N	intron (N	29748	NM_001363	81554	Hs.529623	NM_030798	ENSG00000	RCC1L	WBSCR16	RCC1 like	protein-coding
chr7-1399	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	107074	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr9-1132	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	MLT2A2|LT	10620	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chr9-1315	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	4725	NM_031432	83549	Hs.9597	NM_031432	ENSG00000	UCK1	URK1	uridine-c	protein-coding
chr9-1363	5.939545	0.774921	0.954679	0.811708	0.416959	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-7741	NM_052813	64170	Hs.694071	NM_052813	ENSG00000	CARD9	CANDF2|hC	caspase r	protein-coding
chr8-3046	10.06763	-0.60498	0.745454	-0.81155	0.417047	0.981636	chr8	30465386	30465782	+	0	NA	intron (N	AluSx1|SI	-80183	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr1-4051	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr1	40510008	40512757	+	0	NA	intron (N	intron (N	2663	NM_001346	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr1-1693	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	15933	NM_001320	8548	Hs.130746	NM_003666	ENSG00000	BLZF1	GOLGIN-45	basic leu	protein-coding
chr11-830	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr11	83074824	83075553	+	0	NA	Intergeni	(GGAGA)n|	3122	NR_038903	1.01E+08	Hs.503429	NR_038903	ENSG00000	RAB30-DT	RAB30-AS1	RAB30 div	ncRNA
chr12-248	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr12	24869267	24870967	+	0	NA	intron (N	intron (N	32105	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr13-199	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr13	19972510	19973190	+	0	NA	intron (N	intron (N	13036	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr14-994	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr14	99455290	99456249	+	0	NA	intron (N	MER20|DNA	25090	NM_199123	84193	Hs.510407	NM_032233	ENSG00000	SETD3	C14orf154	SET domai	protein-coding
chr2-1118	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr2	11180115	11180981	+	0	NA	3’ UTR (N	3’ UTR (N	25081	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-1281	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	52643	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-glucc	protein-coding
chr2-2185	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluY|SINE	32509	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitin	protein-coding
chr3-3821	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr3	38216812	38218295	+	0	NA	intron (N	AluSz6|SI	-48259	NM_004256	9390	Hs.225941	NM_004256	ENSG00000	SLC22A13	OAT10|OCT	solute ca	protein-coding
chr3-1969	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1P3|LINE	-30244	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr6-2054	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr6	20545887	20546764	+	0	NA	intron (N	intron (N	11868	NM_017774	54901	Hs.657604	NM_017774	ENSG00000	CDKAL1	-	CDK5 regu	protein-coding
chr7-9948	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr7	99481345	99483614	+	0	NA	TTS (NR_1	TTS (NR_1	9587	NM_001351	285989	Hs.440384	NM_213603	ENSG00000	ZNF789	-	zinc fing	protein-coding
chr7-1309	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	62628	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chrX-1014	4.914197	-0.84886	1.046034	-0.8115	0.417076	0.981636	chrX	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	3860	NM_019597	3188	Hs.432485	NM_019597	ENSG00000	HNRNPH2	FTP3|HNRF	heterogen	protein-coding
chr19-101	7.796374	-0.70453	0.868204	-0.81148	0.41709	0.981636	chr19	10169950	10170378	+	0	NA	intron (N	AluSx1|SI	24789	NM_001318	1786	Hs.202672	NM_001379	ENSG00000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr22-305	7.723733	0.702718	0.866117	0.811343	0.417169	0.981636	chr22	30583081	30585063	+	0	NA	intron (N	intron (N	7838	NM_001243	23481	Hs.517543	NM_014303	ENSG00000	PES1	NOP7|PES	pescadill	protein-coding
chr6-4313	7.723733	0.702718	0.866117	0.811343	0.417169	0.981636	chr6	43139135	43139934	+	0	NA	intron (N	intron (N	-31735	NM_003131	6722	Hs.520140	NM_003131	ENSG00000	SRF	MCM1	serum res	protein-coding
chr7-4380	7.723733	0.702718	0.866117	0.811343	0.417169	0.981636	chr7	43804052	43804370	+	0	NA	intron (N	AluSx|SIN	45531	NM_000712	644	Hs.488143	NM_000712	ENSG00000	BLVRA	BLVR|BVR|	biliverdi	protein-coding
chr5-1687	10.10091	-0.60103	0.740913	-0.8112	0.417252	0.981636	chr5	16872796	16876985	+	0	NA	intron (N	THE1A|LTR	61398	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr2-2312	10.45025	0.599462	0.739013	0.811166	0.417271	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	37493	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr12-504	10.10877	-0.60229	0.743092	-0.81052	0.417641	0.981636	chr12	50463264	50464849	+	0	NA	intron (N	MSTA-int|	7485	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr15-739	10.10877	-0.60229	0.743092	-0.81052	0.417641	0.981636	chr15	73919240	73920089	+	0	NA	intron (N	intron (N	-6798	NM_005576	4016	Hs.65436	NM_005576	ENSG00000	LOXL1	LOL|LOXL	lysyl oxi	protein-coding
chr6-1389	10.10877	-0.60229	0.743092	-0.81052	0.417641	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	TTS (NM_0	TTS (NM_0	85102	NM_001128	85021	Hs.334603	NM_031922	ENSG00000	REPS1	NBIA7|RAL	RALBP1 as	protein-coding
chr1-9228	7.872645	-0.6837	0.843718	-0.81034	0.417747	0.981636	chr1	92284980	92286113	+	0	NA	intron (N	L1PA6|LIN	13441	NM_053274	11146	Hs.49105	NM_007070	ENSG00000	GLMN	FAP|FAP48	glomulin,	protein-coding
chr15-770	7.872645	-0.6837	0.843718	-0.81034	0.417747	0.981636	chr15	77051241	77051588	+	0	NA	intron (N	AluSq2|SI	19695	NM_001168	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspan	protein-coding
chr22-408	7.872645	-0.6837	0.843718	-0.81034	0.417747	0.981636	chr22	40828874	40829112	+	0	NA	intron (N	intron (N	-9594	NM_001282	10478	Hs.474938	NM_006358	ENSG00000	SLC25A17	PMP34	solute ca	protein-coding
chr3-1414	7.872645	-0.6837	0.843718	-0.81034	0.417747	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	5724	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr9-1655	7.872645	-0.6837	0.843718	-0.81034	0.417747	0.981636	chr9	16551737	16551940	+	0	NA	intron (N	intron (N	-174976	NR_151723	1.11E+08	Hs.609218	NR_151723	ENSG00000	BNC2-AS1	-	BNC2 anti	ncRNA
chr14-775	5.923829	0.78048	0.963193	0.810305	0.417765	0.981636	chr14	77534869	77535095	+	0	NA	intron (N	AluSp|SIN	-36166	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr16-120	5.923829	0.78048	0.963193	0.810305	0.417765	0.981636	chr16	12084107	12084412	+	0	NA	intron (N	AluSq4|SI	107525	NM_032167	92017	Hs.458401	NM_032167	ENSG00000	SNX29	A-388D4.1	sorting r	protein-coding
chr3-1635	5.923829	0.78048	0.963193	0.810305	0.417765	0.981636	chr3	16351062	16351397	+	0	NA	3’ UTR (N	3’ UTR (N	86017	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr8-6163	10.09305	-0.59978	0.740717	-0.80973	0.418094	0.981636	chr8	61639585	61643762	+	0	NA	intron (N	intron (N	48138	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chrX-4453	6.219548	-0.77233	0.954049	-0.80953	0.418212	0.981636	chrX	44535706	44536560	+	0	NA	intron (N	AluSg4|SI	6726	NM_173794	139341	Hs.7549	NM_173794	ENSG00000	FUNDC1	-	FUN14 dom	protein-coding
chr12-113	6.589572	0.778455	0.961668	0.809484	0.418237	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	20707	NM_016196	9904	Hs.7482	NM_016196	ENSG00000	RBM19	Mrd1	RNA bindi	protein-coding
chr16-117	7.61603	0.696045	0.859971	0.809382	0.418295	0.981636	chr16	11724719	11724932	+	0	NA	intron (N	AluSx3|SI	18032	NM_001303	51061	Hs.313847	NM_015914	ENSG00000	TXNDC11	EFP1	thioredox	protein-coding
chr17-500	7.61603	0.696045	0.859971	0.809382	0.418295	0.981636	chr17	50098057	50098713	+	0	NA	intron (N	intron (N	2690	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr5-1416	7.623888	0.693892	0.857372	0.809325	0.418328	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	6694	NR_149167	8841	Hs.519632	NM_003883	ENSG00000	HDAC3	HD3|KDAC3	histone c	protein-coding
chr19-368	10.94684	0.578001	0.714309	0.809176	0.418414	0.981636	chr19	36812980	36826307	+	0	NA	exon (NM_	exon (NM_	18384	NM_001242	388536	Hs.282067	NM_206894	ENSG00000	ZNF790	-	zinc fing	protein-coding
chr15-718	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr15	71845559	71846150	+	0	NA	intron (N	Charlie1a	35300	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr15-996	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr15	99646965	99647524	+	0	NA	intron (N	intron (N	14266	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr17-625	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr17	62540701	62541196	+	0	NA	intron (N	L2a|LINE|	59835	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr2-4747	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr2	47478273	47478880	+	0	NA	intron (N	intron (N	-48961	NR_120602	644093	Hs.734158	NR_120602	ENSG00000	HCG204005	-	uncharact	ncRNA
chr4-7577	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr4	75772741	75773551	+	0	NA	intron (N	intron (N	48624	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-1691	6.195974	-0.76657	0.947818	-0.80877	0.418646	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-106715	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr21-269	5.941394	0.789928	0.97708	0.808458	0.418827	0.981636	chr21	26950848	26951697	+	0	NA	intron (N	intron (N	-2689	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr7-2330	5.601391	-0.8565	1.059529	-0.80838	0.418874	0.981636	chr7	23307476	23307715	+	0	NA	intron (N	intron (N	8256	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr5-4775	4.229777	0.915056	1.1321	0.808282	0.418928	0.981636	chr5	47757864	47758910	+	0	NA	Intergeni	ALR/Alpha	-2062007	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-200	7.905926	-0.67859	0.839778	-0.80806	0.419057	0.981636	chr11	20095635	20096392	+	0	NA	intron (N	intron (N	-46710	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-108	7.905926	-0.67859	0.839778	-0.80806	0.419057	0.981636	chr11	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	58555	NM_004398	1662	Hs.591931	NM_004398	ENSG00000	DDX10	Dbp4|HRH-	DEAD-box	protein-coding
chr13-197	7.905926	-0.67859	0.839778	-0.80806	0.419057	0.981636	chr13	19777780	19778058	+	0	NA	intron (N	AluSg|SIN	5026	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr15-572	7.905926	-0.67859	0.839778	-0.80806	0.419057	0.981636	chr15	57243419	57244013	+	0	NA	intron (N	intron (N	24286	NM_001306	6938	Hs.511504	NM_003205	ENSG00000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr15-780	7.905926	-0.67859	0.839778	-0.80806	0.419057	0.981636	chr15	78008531	78008928	+	0	NA	intron (N	intron (N	-14504	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr1-1499	7.665028	0.694627	0.859645	0.80804	0.419067	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-1111	NM_001278	9900	Hs.516153	NM_014849	ENSG00000	SV2A	SV2	synaptic	protein-coding
chr10-151	7.665028	0.694627	0.859645	0.80804	0.419067	0.981636	chr10	15140398	15140832	+	0	NA	intron (N	FRAM|SINE	14732	NR_036506	1E+08	Hs.714691	NR_036506	ENSG00000	PPIAP30	-	peptidylp	pseudo
chr2-2334	7.665028	0.694627	0.859645	0.80804	0.419067	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	66981	NM_018218	55230	Hs.96513	NM_018218	ENSG00000	USP40	-	ubiquitin	protein-coding
chr5-4926	20.16671	0.443416	0.549033	0.807632	0.419303	0.981636	chr5	49260196	49261086	+	0	NA	Intergeni	ALR/Alpha	1180647	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-270	12.65476	0.552309	0.684081	0.807373	0.419452	0.981636	chr20	27099525	27100070	+	0	NA	Intergeni	ALR/Alpha	-890564	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-8672	7.44447	-0.71698	0.888233	-0.80719	0.419554	0.981636	chr1	86721971	86722304	+	0	NA	intron (N	FLAM_A|SI	17561	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr10-355	7.44447	-0.71698	0.888233	-0.80719	0.419554	0.981636	chr10	35569606	35569805	+	0	NA	3’ UTR (N	3’ UTR (N	-35636	NM_153368	219770	Hs.638922	NM_153368	ENSG00000	GJD4	CX40.1	gap junct	protein-coding
chr7-1417	9.64916	-0.61861	0.766396	-0.80717	0.419568	0.981636	chr7	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx4|SI	9019	NM_001256	6742	Hs.490394	NM_003143	ENSG00000	SSBP1	Mt-SSB|SC	single st	protein-coding
chr1-2448	6.154835	-0.77123	0.955549	-0.80711	0.419604	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	L2a|LINE|	3525	NM_198076	116228	Hs.411490	NM_198076	ENSG00000	COX20	FAM36A	cytochrom	protein-coding
chr11-577	6.154835	-0.77123	0.955549	-0.80711	0.419604	0.981636	chr11	57718274	57718473	+	0	NA	intron (N	intron (N	5780	NM_015959	51075	Hs.654965	NM_015959	ENSG00000	TMX2	CGI-31|PD	thioredox	protein-coding
chr5-6577	6.154835	-0.77123	0.955549	-0.80711	0.419604	0.981636	chr5	65779963	65780748	+	0	NA	intron (N	intron (N	58150	NM_020726	57486	Hs.247460	NM_020726	ENSG00000	NLN	AGTBP|EP2	neurolysi	protein-coding
chr9-2184	6.154835	-0.77123	0.955549	-0.80711	0.419604	0.981636	chr9	21848667	21849104	+	0	NA	intron (N	HERVL-int	46249	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr19-271	14.19537	0.514016	0.636915	0.807041	0.419643	0.981636	chr19	27105822	27106563	+	0	NA	Intergeni	ALR/Alpha	-687239	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1913	8.153758	0.66182	0.820088	0.807011	0.41966	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	122962	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr1-1552	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	6562	NM_198883	4580	Hs.490874	NM_002455	ENSG00000	MTX1	MTX|MTXN	metaxin 1	protein-coding
chr19-360	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr19	36018076	36023635	+	0	NA	intron (N	intron (N	6353	NM_001290	1.02E+08	Hs.676116	NM_001290056		LOC101927	-	uncharact	protein-coding
chr19-552	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr19	55235908	55240170	+	0	NA	intron (N	intron (N	1937	NR_106860	1.02E+08		NR_106860	ENSG00000	MIR6802	hsa-mir-6	microRNA	ncRNA
chr20-506	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr20	50629013	50631016	+	0	NA	intron (N	AluSz|SIN	6904	NM_080829	140876	Hs.372578	NM_080829	ENSG00000	RIPOR3	C20orf175	RIPOR fam	protein-coding
chr21-465	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr21	46545956	46548429	+	0	NA	TTS (NM_2	TTS (NM_2	57890	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr7-4405	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr7	44058280	44061478	+	0	NA	intron (N	intron (N	5688	NM_000290	5224	Hs.632642	NM_000290	ENSG00000	PGAM2	GSD10|PGA	phosphogl	protein-coding
chr7-1286	8.194897	0.662621	0.821491	0.806608	0.419893	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJr|SIN	-29579	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr19-259	38.93895	0.353106	0.437825	0.806499	0.419955	0.981636	chr19	25956140	25956340	+	0	NA	Intergeni	ALR/Alpha	-1792793	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-410	10.08519	-0.59854	0.742505	-0.80611	0.420177	0.981636	chr20	41061330	41063661	+	0	NA	intron (N	intron (N	33673	NM_003286	7150	Hs.472737	NM_003286	ENSG00000	TOP1	TOPI	DNA topoi	protein-coding
chr4-5342	10.08519	-0.59854	0.742505	-0.80611	0.420177	0.981636	chr4	5342451	5342671	+	0	NA	intron (N	MSTA|LTR|	-182008	NR_126519	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr13-113	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	14623	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr16-306	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr16	30605808	30606147	+	0	NA	intron (N	L1MC4a|LI	3851	NR_104166	115509	Hs.454685	NM_138447	ENSG00000	ZNF689	TIPUH1	zinc fing	protein-coding
chr17-144	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr17	1446437	1446929	+	0	NA	intron (N	AluYk4|SI	9549	NM_016823	1398	Hs.461896	NM_005206	ENSG00000	CRK	CRKII|p38	CRK proto	protein-coding
chr22-363	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr22	36360947	36361308	+	0	NA	intron (N	intron (N	26940	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr7-3957	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr7	39578069	39578560	+	0	NA	intron (N	LTR12C|LT	11910	NM_001282	57002	Hs.72168	NM_020192	ENSG00000	YAE1	C7orf36|C	YAE1 matu	protein-coding
chr8-9629	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr8	96291684	96292070	+	0	NA	intron (N	L1MC5|LIN	29975	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr9-1320	4.880915	-0.85755	1.064413	-0.80566	0.420441	0.981636	chr9	13202780	13203196	+	0	NA	intron (N	L1MA5|LIN	76576	NM_003829	8777	Hs.169378	NM_003829	ENSG00000	MPDZ	HYC2|MUPP	multiple	protein-coding
chr16-864	10.12633	-0.5959	0.739753	-0.80554	0.420506	0.981636	chr16	86474612	86478287	+	0	NA	non-codin	non-codin	32411	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr4-1095	10.12633	-0.5959	0.739753	-0.80554	0.420506	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	32854	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr17-161	10.89784	0.578773	0.718505	0.805523	0.420518	0.981636	chr17	16152153	16153343	+	0	NA	TTS (NR_1	TTS (NR_1	448	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr7-1860	8.767756	0.645491	0.801734	0.805119	0.420751	0.981636	chr7	18601549	18601853	+	0	NA	intron (N	L1MC2|LIN	92431	NM_001204	9734	Hs.196054	NM_014707	ENSG00000	HDAC9	HD7|HD7b|	histone c	protein-coding
chr1-3220	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr1	32206702	32207093	+	0	NA	intron (N	intron (N	1226	NM_018134	55721	Hs.274356	NM_018134	ENSG00000	IQCC	-	IQ motif	protein-coding
chr10-271	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr10	27159260	27161773	+	0	NA	intron (N	AluSq2|SI	5692	NM_001172	84930	Hs.276905	NM_032844	ENSG00000	MASTL	GREATWALL	microtubu	protein-coding
chr10-999	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr10	99916041	99917674	+	0	NA	intron (N	intron (N	-2765	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr13-238	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr13	23802379	23803291	+	0	NA	intron (N	MER47A|DN	-86033	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr13-727	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr13	72746574	72749260	+	0	NA	intron (N	intron (N	19994	NM_001286	79866	Hs.643464	NM_024808	ENSG00000	BORA	C13orf34	BORA auro	protein-coding
chr14-572	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr14	57221567	57222430	+	0	NA	intron (N	intron (N	46907	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PR	exocyst c	protein-coding
chr19-493	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr19	4934491	4936086	+	0	NA	intron (N	THE1B|LTR	2601	NR_039902	1.01E+08		NR_039902	ENSG00000	MIR4747	mir-4747	microRNA	ncRNA
chr19-553	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr19	55366892	55367813	+	0	NA	intron (N	intron (N	3111	NM_001267	3589	Hs.467304	NM_000641	ENSG00000	IL11	AGIF|IL-1	interleuk	protein-coding
chr21-649	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr21	6496744	6497664	+	0	NA	intron (N	intron (N	2044	NM_001320	1.03E+08	Hs.365116	NM_001320	ENSG00000	U2AF1L5	-	U2 small	protein-coding
chr22-239	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr22	23968070	23968483	+	0	NA	TTS (NM_0	TTS (NM_0	1388	NM_001084	1E+08	Hs.744172	NM_001084	ENSG00000	DDTL	DDT|KB-22	D-dopachr	protein-coding
chr5-4307	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr5	43071878	43072538	+	0	NA	intron (N	LTR8B|LTR	-4769	NR_104651	648987	Hs.649468	NR_034085	ENSG00000	LOC648987	-	uncharact	ncRNA
chr5-1152	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr5	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	37273	NM_005023	5229	Hs.254006	NM_005023	ENSG00000	PGGT1B	BGGI|GGTI	protein g	protein-coding
chr7-8173	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr7	81735472	81737199	+	0	NA	intron (N	MER44B|DN	33712	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr7-1390	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	Charlie7a	11356	NM_020119	56829	Hs.133512	NM_020119	ENSG00000	ZC3HAV1	ARTD13|FL	zinc fing	protein-coding
chr7-1487	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	35884	NM_001370	8454	Hs.146806	NM_003592	ENSG00000	CUL1	-	cullin 1	protein-coding
chr9-3251	4.906339	-0.84649	1.051456	-0.80506	0.420784	0.981636	chr9	32517570	32520940	+	0	NA	intron (N	LOR1-int|	6941	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bo	protein-coding
chr19-521	8.742333	0.640807	0.796003	0.80503	0.420802	0.981636	chr19	52134503	52134924	+	0	NA	intron (N	MER21B|LT	5225	NM_178523	90317	Hs.645225	NM_178523	ENSG00000	ZNF616	-	zinc fing	protein-coding
chr17-291	8.253603	0.670281	0.832638	0.805009	0.420814	0.981636	chr17	29118038	29121644	+	0	NA	intron (N	AluSx|SIN	20548	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr2-1874	8.253603	0.670281	0.832638	0.805009	0.420814	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-36024	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr7-1033	8.253603	0.670281	0.832638	0.805009	0.420814	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	15541	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr2-1974	10.13419	-0.59714	0.741929	-0.80485	0.420904	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSg|SIN	9626	NM_001320	80219	Hs.606592	NM_025147	ENSG00000	COQ10B	-	coenzyme	protein-coding
chr2-5808	8.1459	0.663804	0.82477	0.804836	0.420915	0.981636	chr2	58089592	58091300	+	0	NA	intron (N	MER3|DNA|	43734	NM_001130	7444	Hs.715298	NM_006296	ENSG00000	VRK2	-	VRK serin	protein-coding
chr12-111	11.38454	-0.57594	0.715889	-0.80451	0.421101	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	Intergeni	Intergeni	-2638	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr10-889	8.357675	-0.6534	0.812208	-0.80448	0.421122	0.981636	chr10	88943985	88944916	+	0	NA	intron (N	intron (N	8323	NM_001613	59	Hs.500483	NM_001613	ENSG00000	ACTA2	ACTSA	actin alp	protein-coding
chr2-1716	8.357675	-0.6534	0.812208	-0.80448	0.421122	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	9978	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding

chr7-2996	8.357675	-0.6534	0.812208	-0.80448	0.421122	0.981636	chr7	29965280	29965627	+	0	NA	intron (N	intron (N	24348	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr1-3974	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr1	39741593	39741966	+	0	NA	intron (N	intron (N	2934	NR_036543	10450	Hs.524690	NM_006112	ENSG00000	PPIE	CYP-33|CY	peptidylp	protein-coding
chr13-302	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr13	30224739	30225639	+	0	NA	intron (N	MLT2F|LTR	-72115	NR_138041	1.02E+08	Hs.639879	NR_138041		LINC00384	-	long inte	ncRNA
chr20-411	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr20	41164805	41165490	+	0	NA	intron (N	intron (N	-3876	NR_106931	1.02E+08		NR_106931	ENSG00000	MIR6871	hsa-mir-6	microRNA	ncRNA
chr3-1701	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJb|SIN	22795	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr5-9716	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr5	97163841	97164498	+	0	NA	intron (N	AluJo|SIN	19078	NM_001159	55781	Hs.27021	NM_018343	ENSG00000	RIOK2	RIO2	RIO kinas	protein-coding
chr7-5624	8.161616	0.659811	0.820232	0.804421	0.421154	0.981636	chr7	5624119	5624549	+	0	NA	intron (N	intron (N	31518	NM_003088	6624	Hs.118400	NM_003088	ENSG00000	FSCN1	FAN1|HSN|	fascin ac	protein-coding
chr1-2403	10.42483	0.59553	0.740395	0.80434	0.4212	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	AluSx3|SI	254432	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr10-315	10.11847	-0.59466	0.739557	-0.80408	0.421351	0.981636	chr10	31518422	31521659	+	0	NA	intron (N	intron (N	-120285	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr11-128	10.11847	-0.59466	0.739557	-0.80408	0.421351	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	Intergeni	Intergeni	64937	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr13-113	10.11847	-0.59466	0.739557	-0.80408	0.421351	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	AluYc|SIN	12450	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr19-520	10.11847	-0.59466	0.739557	-0.80408	0.421351	0.981636	chr19	52090856	52093443	+	0	NA	intron (N	L1MA9|LIN	2122	NM_001352	284371	Hs.665751	NM_001136	ENSG00000	ZNF841	-	zinc fing	protein-coding
chr3-1238	10.11847	-0.59466	0.739557	-0.80408	0.421351	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME1|LIN	9972	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr22-499	4.196496	0.910283	1.132283	0.803936	0.421434	0.981636	chr22	49908041	49908692	+	0	NA	intron (N	AluSc5|SI	10072	NM_024105	79087	Hs.526711	NM_024105	ENSG00000	ALG12	CDG1G|ECW	ALG12 alp	protein-coding
chr2-2334	4.947479	-0.84049	1.045518	-0.80389	0.421458	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	62204	NM_003648	8527	Hs.471675	NM_003648	ENSG00000	DGKD	DGKdelta|	diacylgly	protein-coding
chr20-344	4.947479	-0.84049	1.045518	-0.80389	0.421458	0.981636	chr20	34404385	34404909	+	0	NA	intron (N	AluSq2|SI	41374	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr20-369	4.947479	-0.84049	1.045518	-0.80389	0.421458	0.981636	chr20	36937709	36938388	+	0	NA	intron (N	AluJb|SIN	13660	NM_001363	25939	Hs.580681	NM_015474	ENSG00000	SAMHD1	CHBL2|DCI	SAM and H	protein-coding
chr3-1193	4.947479	-0.84049	1.045518	-0.80389	0.421458	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	69975	NR_073506	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr3-1722	4.947479	-0.84049	1.045518	-0.80389	0.421458	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	175294	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr15-101	6.096129	-0.78707	0.979109	-0.80386	0.421478	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	TTS (NM_0	TTS (NM_0	77205	NM_014918	22856	Hs.110488	NM_014918	ENSG00000	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr8-3893	6.096129	-0.78707	0.979109	-0.80386	0.421478	0.981636	chr8	38931113	38931351	+	0	NA	intron (N	AluSx|SIN	29886	NM_021623	59339	Hs.369123	NM_021623	ENSG00000	PLEKHA2	TAPP2	pleckstri	protein-coding
chr12-692	11.84599	-0.55651	0.692835	-0.80323	0.421842	0.981636	chr12	69261760	69263049	+	0	NA	exon (NM_	exon (NM_	10814	NR_031692	1E+08		NR_031692	ENSG00000	MIR1279	MIRN1279|	microRNA	ncRNA
chr3-5143	7.40333	-0.72081	0.897572	-0.80306	0.421938	0.981636	chr3	51430907	51431106	+	0	NA	intron (N	AluJb|SIN	39721	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr1-4359	7.698309	0.69745	0.868755	0.802816	0.422081	0.981636	chr1	43592683	43593294	+	0	NA	intron (N	intron (N	-57161	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr16-301	7.698309	0.69745	0.868755	0.802816	0.422081	0.981636	chr16	30115400	30116034	+	0	NA	intron (N	intron (N	-2180	NM_024307	79153	Hs.289015	NM_024307	ENSG00000	GDPD3	GDE7	glyceroph	protein-coding
chr9-1048	7.698309	0.69745	0.868755	0.802816	0.422081	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	42477	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr2-3327	8.349817	-0.65192	0.812041	-0.80281	0.422082	0.981636	chr2	33273616	33275561	+	0	NA	intron (N	L3|LINE|C	139991	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr3-1130	8.349817	-0.65192	0.812041	-0.80281	0.422082	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	TTS (NM_0	TTS (NM_0	11947	NM_014170	29083	Hs.127496	NM_014170	ENSG00000	GTPBP8	HSPC135	GTP bindi	protein-coding
chr1-1125	8.709051	0.638094	0.79488	0.802755	0.422116	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MB7|LIN	29710	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr11-708	6.512404	0.741736	0.924253	0.802525	0.422249	0.981636	chr11	70888922	70889729	+	0	NA	intron (N	MLT1C|LTR	-16957	NR_037437	1.01E+08		NR_037437	ENSG00000	MIR3664	mir-3664	microRNA	ncRNA
chr1-2823	8.716909	0.636208	0.792905	0.802376	0.422336	0.981636	chr1	28238004	28238559	+	0	NA	TTS (NM_0	TTS (NM_0	2157	NM_178190	93974	Hs.744914	NM_016311	ENSG00000	ATP5IF1	ATPI|ATPI	ATP synth	protein-coding
chr1-1502	8.716909	0.636208	0.792905	0.802376	0.422336	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	2761	NM_018997	54460	Hs.405880	NM_018997	ENSG00000	MRPS21	MDS016|MR	mitochond	protein-coding
chr1-1536	8.716909	0.636208	0.792905	0.802376	0.422336	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx1|SI	-4930	NM_020672	57402	Hs.288998	NM_020672	ENSG00000	S100A14	BCMP84|S1	S100 calc	protein-coding
chr4-7140	8.716909	0.636208	0.792905	0.802376	0.422336	0.981636	chr4	71408295	71410444	+	0	NA	intron (N	THE1A-int	70316	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr6-3147	8.716909	0.636208	0.792905	0.802376	0.422336	0.981636	chr6	3147282	3148397	+	0	NA	intron (N	MLT2B4|LT	9705	NM_001310	7280	Hs.654543	NM_001069	ENSG00000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr22-428	9.187704	-0.64598	0.805131	-0.80233	0.422365	0.981636	chr22	42812750	42812988	+	0	NA	intron (N	L3|LINE|C	44404	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr18-633	10.05191	-0.60253	0.751087	-0.80222	0.422427	0.981636	chr18	63340674	63340959	+	0	NA	intron (N	intron (N	-21436	NM_000657	596	Hs.150749	NM_000633	ENSG00000	BCL2	Bcl-2|PPF	BCL2 apop	protein-coding
chr15-297	6.639865	-0.72581	0.904854	-0.80213	0.422477	0.981636	chr15	29766782	29768411	+	0	NA	intron (N	intron (N	53078	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr8-3010	6.639865	-0.72581	0.904854	-0.80213	0.422477	0.981636	chr8	30105065	30106380	+	0	NA	intron (N	intron (N	10314	NM_001128	23484	Hs.146585	NM_015344	ENSG00000	LEPROTL1	HSPC112|V	leptin re	protein-coding
chr8-1298	4.955336	-0.84283	1.050898	-0.80201	0.42255	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-57214	NM_031415	56169	Hs.133244	NM_031415	ENSG00000	GSDMC	MLZE	gasdermin	protein-coding
chr5-1093	4.188638	0.914259	1.140232	0.801818	0.422658	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-12781	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr1-1657	17.3912	0.464039	0.578829	0.801686	0.422735	0.981636	chr1	16576305	16577088	+	0	NA	intron (N	intron (N	27782	NR_037446	1.01E+08		NR_037446	ENSG00000	MIR3675	-	microRNA	ncRNA
chr1-2853	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr1	28534678	28535413	+	0	NA	intron (N	intron (N	16819	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr10-350	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr10	35013004	35014341	+	0	NA	intron (N	intron (N	60611	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr10-125	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	25178	NM_078469	56647	Hs.370292	NM_016567	ENSG00000	BCCIP	TOK-1|TOK	BRCA2 and	protein-coding
chr11-651	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr11	65116165	65116861	+	0	NA	TTS (NM_0	TTS (NM_0	1188	NM_014205	741	Hs.121025	NM_014205	ENSG00000	ZNHIT2	C11orf5|F	zinc fing	protein-coding
chr12-277	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr12	27745053	27745787	+	0	NA	intron (N	intron (N	26162	NM_001146	1E+08		NM_001146	ENSG00000	MANSC4	-	MANSC dom	protein-coding
chr15-520	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr15	52033191	52034679	+	0	NA	intron (N	L1MEf|LIN	14716	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr16-702	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr16	70239963	70241020	+	0	NA	Intergeni	AluJb|SIN	11449	NM_058219	118460	Hs.660633	NM_058219	ENSG00000	EXOSC6	EAP4|MTR3	exosome c	protein-coding
chr17-830	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr17	83045928	83047208	+	0	NA	intron (N	L1MB5|LIN	5202	NR_135465	146712	Hs.607824	NM_001009	ENSG00000	B3GNTL1	3-Gn-T8|B	UDP-GlcNA	protein-coding
chr19-217	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr19	21764449	21765569	+	0	NA	intron (N	intron (N	2570	NM_001351	163227	Hs.365142	NM_173531	ENSG00000	ZNF100	-	zinc fing	protein-coding
chr19-373	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr19	37336702	37337592	+	0	NA	intron (N	intron (N	2498	NM_001329	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr5-9040	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr5	90403508	90404200	+	0	NA	intron (N	AluYa5|SI	5932	NM_001297	1070	Hs.591767	NM_004365	ENSG00000	CETN3	CDC31|CEN	centrin 3	protein-coding
chr5-9691	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr5	96917138	96918145	+	0	NA	non-codin	non-codin	-18439	NM_005575	4012	Hs.527199	NM_005575	ENSG00000	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr5-1492	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	MER102a|D	-33971	NM_001323	134265	Hs.62930	NM_152406	ENSG00000	AFAP1L1	-	actin fil	protein-coding
chr6-4361	4.939621	-0.8381	1.045534	-0.8016	0.422782	0.981636	chr6	43618157	43618848	+	0	NA	3’ UTR (N	3’ UTR (N	8851	NM_001286	54676	Hs.485449	NM_019096	ENSG00000	GTPBP2	JABELS	GTP bindi	protein-coding
chr11-102	6.494838	0.733017	0.91445	0.801594	0.422788	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	Intergeni	Intergeni	46470	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr4-1056	6.494838	0.733017	0.91445	0.801594	0.422788	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	13928	NM_020395	57117	Hs.480454	NM_020395	ENSG00000	INTS12	INT12|PHF	integrato	protein-coding
chr10-965	6.121553	-0.77799	0.970581	-0.80157	0.4228	0.981636	chr10	96553044	96553259	+	0	NA	intron (N	intron (N	33861	NM_020123	56889	Hs.500674	NM_020123	ENSG00000	TM9SF3	EP70-P-is	transmemb	protein-coding
chr1-1971	6.188116	-0.76444	0.953724	-0.80153	0.422824	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	19274	NM_194314	360023	Hs.529439	NM_194314	ENSG00000	ZBTB41	FRBZ1|ZNF	zinc fing	protein-coding
chr3-1249	6.188116	-0.76444	0.953724	-0.80153	0.422824	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-47596	NM_033049	56667	Hs.5940	NM_033049	ENSG00000	MUC13	DRCC1|MUC	mucin 13,	protein-coding
chr7-1279	6.188116	-0.76444	0.953724	-0.80153	0.422824	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-6273	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr8-1436	6.188116	-0.76444	0.953724	-0.80153	0.422824	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	2732	NM_001317	7264	Hs.404119	NM_003313	ENSG00000	TSTA3	FX|P35B|S	tissue sp	protein-coding
chr10-112	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	20265	NM_020918	57678	Hs.42586	NM_020918	ENSG00000	GPAM	GPAT|GPAT	glycerol-	protein-coding
chr11-618	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr11	61847919	61849037	+	0	NA	intron (N	intron (N	20178	NM_004265	9415	Hs.502745	NM_004265	ENSG00000	FADS2	D6D|DES6|	fatty aci	protein-coding
chr12-326	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr12	32625495	32628296	+	0	NA	intron (N	AluSp|SIN	-52305	NM_001330	10059	Hs.556296	NM_005690	ENSG00000	DNM1L	DLP1|DRP1	dynamin 1	protein-coding
chr16-270	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr16	2701160	2702029	+	0	NA	intron (N	intron (N	18630	NM_001318	83886	Hs.332878	NM_031948	ENSG00000	PRSS27	CAPH2|MPN	serine pr	protein-coding
chr16-120	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr16	12046508	12047852	+	0	NA	intron (N	MIRc|SINE	70446	NM_032167	92017	Hs.458401	NM_032167	ENSG00000	SNX29	A-388D4.1	sorting n	protein-coding
chr20-333	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr20	33367605	33368263	+	0	NA	intron (N	intron (N	33585	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr20-366	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr20	36669779	36671335	+	0	NA	intron (N	MIRb|SINE	-24361	NM_032214	84174	Hs.713578	NM_032214	ENSG00000	SLA2	C20orf156	Src like	protein-coding
chr7-1118	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	L3|LINE|C	51564	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr9-1283	5.947403	0.771997	0.963208	0.801485	0.422851	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIR|SINE|	-2710	NR_031672	1E+08		NR_031672	ENSG00000	MIR1268A	MIR1268|M	microRNA	ncRNA
chr2-3977	8.324394	-0.65835	0.821503	-0.8014	0.422899	0.981636	chr2	39776497	39776696	+	0	NA	intron (N	AluSx|SIN	2662	NM_025264	80745	Hs.468254	NM_025264	ENSG00000	THUMPD2	C2orf8	THUMP dom	protein-coding
chr2-1018	6.48698	0.735603	0.918053	0.801265	0.422978	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	HAL1|LINE	-130027	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr5-1330	6.48698	0.735603	0.918053	0.801265	0.422978	0.981636	chr5	1330259	1330721	+	0	NA	intron (N	intron (N	14609	NM_030782	81037	Hs.444673	NM_030782	ENSG00000	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr1-4668	8.383099	-0.64717	0.807889	-0.80106	0.423097	0.981636	chr1	46685504	46686775	+	0	NA	intron (N	intron (N	12103	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr16-483	8.383099	-0.64717	0.807889	-0.80106	0.423097	0.981636	chr16	48340824	48341353	+	0	NA	intron (N	AluSx4|SI	24799	NM_001006	6477	Hs.706828	NM_003031	ENSG00000	SIAH1	SIAH1A	siah E3 u	protein-coding
chr17-389	8.383099	-0.64717	0.807889	-0.80106	0.423097	0.981636	chr17	38910106	38911087	+	0	NA	intron (N	MER5A|DNA	-4383	NR_106837	1.02E+08		NR_106837	ENSG00000	MIR6779	hsa-mir-6	microRNA	ncRNA
chr20-564	8.383099	-0.64717	0.807889	-0.80106	0.423097	0.981636	chr20	56450924	56455777	+	0	NA	intron (N	intron (N	-15235	NM_016407	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr3-1254	6.647723	-0.72768	0.908532	-0.80094	0.423164	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1M5|LINE	54995	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting n	protein-coding
chr8-1334	6.647723	-0.72768	0.908532	-0.80094	0.423164	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSx3|SI	78178	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr6-1328	14.07611	-0.51153	0.638777	-0.8008	0.423247	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	promoter-	promoter-	-18	NR_002435	594838		NR_002435	ENSG00000	SNORD100	HBII-429	small nuc	snoRNA
chr2-1659	7.947066	-0.67492	0.84307	-0.80055	0.423392	0.981636	chr2	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	-2123	NR_038984	1.01E+08	Hs.672319	NR_038983		TTC21B-AS	-	TTC21B an	ncRNA
chr7-1510	5.906263	0.771158	0.963376	0.800475	0.423436	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	6972	NM_001282	11194	Hs.647118	NM_007188	ENSG00000	ABCB8	EST328128	ATP bindi	protein-coding
chr1-1037	8.750191	0.63895	0.79831	0.800379	0.423491	0.981636	chr1	10371145	10372292	+	0	NA	intron (N	AluJr|SIN	-27346	NM_001304	5226	Hs.464071	NM_002631	ENSG00000	PGD	6PGD	phosphogl	protein-coding
chr17-606	8.750191	0.63895	0.79831	0.800379	0.423491	0.981636	chr17	60647859	60648638	+	0	NA	intron (N	intron (N	-29603	NM_001099	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr1-8551	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr1	85513857	85514497	+	0	NA	intron (N	L1PA6|LIN	-49018	NM_012137	23576	Hs.713411	NM_012137	ENSG00000	DDAH1	DDAH|DDAH	dimethyla	protein-coding
chr11-566	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr11	5662202	5664438	+	0	NA	3’ UTR (N	3’ UTR (N	21754	NM_033093	85363	Hs.125300	NM_033034	ENSG00000	TRIM5	RNF88|TRI	tripartit	protein-coding
chr12-296	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr12	29653777	29654490	+	0	NA	intron (N	L1MB8|LIN	129809	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr14-100	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-389	NR_003214	767599		NR_003214	ENSG00000	SNORD114-	14q(II-21	small nuc	snoRNA
chr15-572	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr15	57267837	57268149	+	0	NA	intron (N	intron (N	10664	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr2-8605	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr2	86053485	86054304	+	0	NA	intron (N	intron (N	51992	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1966	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	L1MA7|LIN	11031	NM_001080	284992	Hs.132519	NM_173466	ENSG00000	CCDC150	-	coiled-co	protein-coding
chr6-7511	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr6	75115009	75116159	+	0	NA	intron (N	intron (N	13198	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr6-1296	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	85602	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr9-3245	6.632007	-0.72399	0.904744	-0.80021	0.423588	0.981636	chr9	32457078	32458222	+	0	NA	intron (N	intron (N	68546	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr15-712	8.390957	-0.64866	0.810632	-0.80019	0.423603	0.981636	chr15	71242562	71244005	+	0	NA	intron (N	intron (N	-54224	NR_120349	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr5-1517	8.390957	-0.64866	0.810632	-0.80019	0.423603	0.981636	chr5	1517798	1521141	+	0	NA	intron (N	intron (N	4491	NM_024830	79888	Hs.368853	NM_024830	ENSG00000	LPCAT1	AGPAT10|A	lysophosp	protein-coding
chr9-9806	8.390957	-0.64866	0.810632	-0.80019	0.423603	0.981636	chr9	98065601	98066430	+	0	NA	intron (N	MARNA|DNA	9283	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetyln	protein-coding
chr15-589	6.606583	-0.73207	0.915438	-0.79969	0.423889	0.981636	chr15	58920516	58920930	+	0	NA	intron (N	AluSx1|SI	12956	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr19-488	6.606583	-0.73207	0.915438	-0.79969	0.423889	0.981636	chr19	48851995	48852721	+	0	NA	intron (N	intron (N	-15867	NM_016246	51171	Hs.18788	NM_016246	ENSG00000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chr19-523	6.606583	-0.73207	0.915438	-0.79969	0.423889	0.981636	chr19	52396375	52396855	+	0	NA	non-codin	non-codin	1142	NR_125345	1.03E+08	Hs.188680	NR_125345	ENSG00000	ZNF528-AS	-	ZNF528 an	ncRNA
chr11-958	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr11	9580615	9586258	+	0	NA	intron (N	AluSx1|SI	8749	NM_001143	7465	Hs.249441	NM_003390	ENSG00000	WEE1	WEE1A|WEE	WEE1 G2 c	protein-coding
chr11-658	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr11	65898343	65899424	+	0	NA	intron (N	AluJb|SIN	1505	NM_001300	8061	Hs.283565	NM_005438	ENSG00000	FOSL1	FRA|FRA1|	FOS like	protein-coding
chr11-779	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr11	77953934	77954133	+	0	NA	intron (N	AluSc|SIN	40635	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr11-122	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJo|SIN	11750	NR_029477	406882		NR_029477	ENSG00000	MIRLET7A2	LET7A2|MI	microRNA	ncRNA
chr13-113	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	Intergeni	Intergeni	17406	NM_001256	8858	Hs.1011	NM_003891	ENSG00000	PROZ	PZ	protein Z	protein-coding
chr16-847	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr16	84778481	84780529	+	0	NA	non-codin	non-codin	-40480	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|L	cysteine	protein-coding
chr2-3688	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr2	36883723	36883922	+	0	NA	intron (N	intron (N	82714	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr2-1139	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MEc|LIN	-31307	NR_148507	440900	Hs.662205	NR_034128	ENSG00000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr4-2662	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr4	26621614	26622644	+	0	NA	intron (N	L1PA4|LIN	38045	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr5-7961	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr5	79615872	79618179	+	0	NA	intron (N	intron (N	4584	NM_001349	167153	Hs.418198	NM_173797	ENSG00000	TENT2	APD4|GLD2	terminal	protein-coding
chr5-1349	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSq2|SI	9833	NM_032151	84105	Hs.710014	NM_032151	ENSG00000	PCBD2	DCOH2|DCO	pterin-4	protein-coding
chr6-1762	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr6	17624753	17629485	+	0	NA	intron (N	intron (N	26817	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr7-3063	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr7	30630585	30639794	+	0	NA	Intergeni	Intergeni	40311	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr7-9277	8.375241	-0.64569	0.807721	-0.7994	0.424058	0.981636	chr7	92773628	92774262	+	0	NA	intron (N	intron (N	60014	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr6-1445	7.898068	-0.67688	0.846777	-0.79936	0.424083	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	L1PA10|LI	156806	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr3-9884	11.42568	-0.57344	0.71787	-0.79881	0.424403	0.981636	chr3	98847984	98849192	+	0	NA	intron (N	L1PA13|LI	53107	NM_080927	131566	Hs.203691	NM_080927	ENSG00000	DCBLD2	CLCP1|ESD	discoidin	protein-coding
chr14-507	7.864787	-0.68201	0.85388	-0.79872	0.424454	0.981636	chr14	50725897	50726266	+	0	NA	intron (N	intron (N	-57775	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr2-1331	7.864787	-0.68201	0.85388	-0.79872	0.424454	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	FLAM_A|SI	-114263	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr5-7150	8.341959	-0.65046	0.814465	-0.79864	0.424501	0.981636	chr5	71505863	71506442	+	0	NA	intron (N	intron (N	50501	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr10-156	9.6903	-0.6156	0.771056	-0.79839	0.424647	0.981636	chr10	15669746	15670278	+	0	NA	intron (N	L1PA4|LIN	49910	NM_003638	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr1-7470	5.915971	0.783348	0.981369	0.79822	0.424743	0.981636	chr1	74705706	74706042	+	0	NA	3’ UTR (N	3’ UTR (N	27176	NM_001889	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding

chr11-282	5.915971	0.783348	0.981369	0.79822	0.424743	0.981636	chr11	28216910	28217363	+	0	NA	intron (N	L1PA5|LIN	108748	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr1-2066	8.724767	0.634347	0.795204	0.797715	0.425036	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	7486	NM_001004	8444	Hs.164267	NM_003582	ENSG00000	DYRK3	DYRK5|RED	dual spec	protein-coding
chr17-392	8.724767	0.634347	0.795204	0.797715	0.425036	0.981636	chr17	39298435	39298801	+	0	NA	intron (N	AluJr|SIN	1218	NR_162098	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr19-109	8.724767	0.634347	0.795204	0.797715	0.425036	0.981636	chr19	10907705	10908942	+	0	NA	intron (N	MIRb|SINE	20316	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-3246	8.724767	0.634347	0.795204	0.797715	0.425036	0.981636	chr2	32462757	32463429	+	0	NA	intron (N	intron (N	-69060	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr3-1958	8.724767	0.634347	0.795204	0.797715	0.425036	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-1454	NR_106887	1.02E+08		NR_106887	ENSG00000	MIR6829	hsa-mir-6	microRNA	ncRNA
chr12-326	5.914121	0.768329	0.963379	0.797535	0.42514	0.981636	chr12	32611275	32611947	+	0	NA	intron (N	intron (N	-67589	NM_001330	10059	Hs.556296	NM_005690	ENSG00000	DNM1L	DLP1|DRP1	dynamin 1	protein-coding
chr2-2178	5.914121	0.768329	0.963379	0.797535	0.42514	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	exon (NM_	exon (NM_	15033	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr20-322	5.914121	0.768329	0.963379	0.797535	0.42514	0.981636	chr20	32219553	32219752	+	0	NA	intron (N	AluY|SINE	11772	NM_015352	23509	Hs.472409	NM_015352	ENSG00000	POFUT1	DDD2|FUT1	protein O	protein-coding
chr7-5435	5.914121	0.768329	0.963379	0.797535	0.42514	0.981636	chr7	5435701	5435929	+	0	NA	Intergeni	Intergeni	-6888	NM_001354	1E+08	Hs.147507	NM_001354886		LOC100129	-	uncharact	protein-coding
chr1-1507	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	9047	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTSO2|CTS	cathepsin	protein-coding
chr1-1513	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	-3142	NR_131972	1.02E+08	Hs.634042	NR_131972		GBAT2	-	glioblast	ncRNA
chr1-1613	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	20663	NM_001013	257177	Hs.534593	NM_001013	ENSG00000	CFAP126	C1orf192|	cilia and	protein-coding
chr11-513	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr11	51308315	51309505	+	0	NA	Intergeni	ALR/Alpha	899763	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr12-452	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr12	4523561	4523827	+	0	NA	intron (N	L1PA5|LIN	14775	NM_020374	57102	Hs.302977	NM_020374	ENSG00000	C12orf4	-	chromosom	protein-coding
chr6-3020	8.683628	0.633517	0.794348	0.797531	0.425142	0.981636	chr6	30200624	30200827	+	0	NA	intron (N	MIRb|SINE	12681	NM_001242	7726	Hs.485041	NM_003449	ENSG00000	TRIM26	AFP|RNF95	tripartit	protein-coding
chr15-906	7.939208	-0.67331	0.844315	-0.79747	0.425181	0.981636	chr15	90614548	90614761	+	0	NA	intron (N	intron (N	-45580	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG00000	LINC01585	-	long inte	ncRNA
chr1-2200	10.45811	0.597767	0.74961	0.797438	0.425197	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-12168	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr1-3538	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr1	35381441	35381992	+	0	NA	exon (NM_	exon (NM_	-15639	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-1552	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	3648	NM_198883	4580	Hs.490874	NM_002455	ENSG00000	MTX1	MTX|MTXN	metaxin 1	protein-coding
chr1-1707	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	56468	NM_006902	5396	Hs.283416	NM_006902	ENSG00000	PRRX1	AGOTC|PHO	paired re	protein-coding
chr1-1798	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	promoter-	promoter-	-702	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr19-112	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr19	11250222	11252421	+	0	NA	intron (N	intron (N	11203	NM_020812	57572	Hs.591002	NM_020812	ENSG00000	DOCK6	AOS2|ZIR1	dedicator	protein-coding
chr19-196	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr19	19632527	19635368	+	0	NA	exon (NM_	exon (NM_	-5727	NM_004720	9170	Hs.122575	NM_004720	ENSG00000	LPAR2	EDG-4|EDG	lysophosp	protein-coding
chr2-6981	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr2	69819297	69822388	+	0	NA	intron (N	intron (N	-8818	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr2-1344	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	194752	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr20-556	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr20	5560060	5581177	+	0	NA	intron (N	intron (N	40388	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr4-1361	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr4	13612726	13616012	+	0	NA	exon (NM_	exon (NM_	13356	NM_148894	259282	Hs.744935	NM_148894	ENSG00000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr5-3131	8.691485	0.631646	0.792372	0.797158	0.425359	0.981636	chr5	31312397	31313916	+	0	NA	intron (N	intron (N	119470	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr10-457	8.169474	0.657727	0.825206	0.797045	0.425425	0.981636	chr10	45793618	45793817	+	0	NA	TTS (NR_1	TTS (NR_1	23607	NM_001351	643479	Hs.522900	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr10-920	8.169474	0.657727	0.825206	0.797045	0.425425	0.981636	chr10	92014657	92015058	+	0	NA	intron (N	Tigger3a|	91087	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF1	B-TFIID T	protein-coding
chr11-111	8.169474	0.657727	0.825206	0.797045	0.425425	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	62673	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr20-639	8.169474	0.657727	0.825206	0.797045	0.425425	0.981636	chr20	63931325	63934175	+	0	NA	3’ UTR (N	3’ UTR (N	8794	NR_031735	1E+08		NR_031735	ENSG00000	MIR1914	MIRN1914|	microRNA	ncRNA
chr14-495	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr14	49576768	49577784	+	0	NA	3’ UTR (N	3’ UTR (N	9104	NM_001030	6235	Hs.156367	NM_001032	ENSG00000	RPS29	DBA13|S29	ribosomal	protein-coding
chr16-234	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr16	23484271	23488049	+	0	NA	intron (N	intron (N	24334	NM_015044	23062	Hs.460336	NM_015044	ENSG00000	GGA2	VEAR	golgi ass	protein-coding
chr2-2164	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-30487	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr20-385	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr20	38568281	38569178	+	0	NA	intron (N	intron (N	-12468	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr22-318	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr22	31814484	31815467	+	0	NA	intron (N	intron (N	60952	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr5-1501	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	L2a|LINE|	-20801	NM_005211	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr7-1495	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	MLT2D|LTR	36156	NR_027788	79970	Hs.520785	NM_024910	ENSG00000	ZNF767P	ZNF767	zinc fing	pseudo
chr8-8653	6.469414	0.727033	0.91223	0.796984	0.42546	0.981636	chr8	86530942	86531544	+	0	NA	intron (N	intron (N	16808	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr15-328	6.52812	0.736586	0.924362	0.796859	0.425533	0.981636	chr15	32893207	32893880	+	0	NA	intron (N	intron (N	174631	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr14-709	11.45128	0.557009	0.699043	0.796817	0.425557	0.981636	chr14	70978015	70978840	+	0	NA	exon (NM_	exon (NM_	70968	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr20-359	6.461556	0.729583	0.915822	0.796643	0.425658	0.981636	chr20	35939637	35940072	+	0	NA	intron (N	intron (N	14772	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr5-3942	6.461556	0.729583	0.915822	0.796643	0.425658	0.981636	chr5	39421426	39424017	+	0	NA	intron (N	intron (N	2259	NM_001343	1601	Hs.696631	NM_001343	ENSG00000	DAB2	DOC-2|DOC	DAB adapt	protein-coding
chrX-1358	6.461556	0.729583	0.915822	0.796643	0.425658	0.981636	chrX	1358166	1359420	+	0	NA	intron (N	intron (N	22008	NM_002183	3563	Hs.632790	NM_002183	ENSG00000	IL3RA	CD123|IL3	interleuk	protein-coding
chr1-4627	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr1	46278211	46278775	+	0	NA	TTS (NM_0	TTS (NM_0	24873	NM_006369	10489	Hs.144941	NM_006369	ENSG00000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr10-583	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr10	58388660	58389109	+	0	NA	intron (N	intron (N	3474	NM_003201	7019	Hs.594250	NM_003201	ENSG00000	TFAM	MTDPS15|M	transcrip	protein-coding
chr16-838	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr16	83811389	83813497	+	0	NA	3’ UTR (N	3’ UTR (N	4465	NM_001537	3281	Hs.250899	NM_001537	ENSG00000	HSBP1	NPC-A-13	heat shoc	protein-coding
chr16-899	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr16	89909002	89911486	+	0	NA	intron (N	intron (N	-7635	NM_002386	4157	Hs.513829	NM_002386	ENSG00000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr5-8109	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr5	81094362	81095082	+	0	NA	intron (N	intron (N	-133815	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr9-9810	6.665289	-0.71796	0.901544	-0.79637	0.425818	0.981636	chr9	98109378	98110280	+	0	NA	intron (N	intron (N	9393	NM_014788	9830	Hs.575631	NM_014788	ENSG00000	TRIM14	-	tripartit	protein-coding
chr10-406	10.92927	0.572757	0.719338	0.796228	0.4259	0.981636	chr10	40658214	40659018	+	0	NA	Intergeni	ALR/Alpha	1709429	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-525	5.898405	0.773903	0.972001	0.796196	0.425918	0.981636	chr15	52591372	52591940	+	0	NA	intron (N	intron (N	-22210	NM_001306	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr16-475	5.898405	0.773903	0.972001	0.796196	0.425918	0.981636	chr16	47514452	47514651	+	0	NA	intron (N	MLT2B3|LT	53220	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr13-757	10.15176	-0.59075	0.742085	-0.79607	0.425989	0.981636	chr13	75718899	75719725	+	0	NA	intron (N	L1MC1|LIN	-41008	NM_001366	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr8-3906	10.15176	-0.59075	0.742085	-0.79607	0.425989	0.981636	chr8	39065460	39066201	+	0	NA	intron (N	L1PA5|LIN	-41699	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr9-1278	10.15176	-0.59075	0.742085	-0.79607	0.425989	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-7833	NM_001318	203	Hs.175473	NM_000476	ENSG00000	AK1	HTL-S-58j	adenylate	protein-coding
chr1-1538	10.89599	0.570546	0.716788	0.795976	0.426046	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	23574	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr1-1682	10.89599	0.570546	0.716788	0.795976	0.426046	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSc|SIN	8232	NM_199344	375035	Hs.645435	NM_199344	ENSG00000	SFT2D2	UNQ512|dJ	SFT2 doma	protein-coding
chr21-372	10.89599	0.570546	0.716788	0.795976	0.426046	0.981636	chr21	37226150	37228089	+	0	NA	intron (N	intron (N	18616	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr7-2754	10.89599	0.570546	0.716788	0.795976	0.426046	0.981636	chr7	27540729	27541715	+	0	NA	intron (N	Tigger2|D	-74752	NR_122122	790953	Hs.571330	NR_122122		TSL	-	testis-ex	ncRNA
chr1-1447	9.682442	-0.61425	0.77193	-0.79574	0.426184	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	2816	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr17-636	6.502696	0.730503	0.91816	0.795617	0.426255	0.981636	chr17	63681738	63682755	+	0	NA	intron (N	intron (N	17879	NM_030576	80774	Hs.591166	NM_030576	ENSG00000	LIMD2	-	LIM domai	protein-coding
chr5-3739	6.502696	0.730503	0.91816	0.795617	0.426255	0.981636	chr5	37392998	37394020	+	0	NA	intron (N	L1M2|LINE	14191	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr1-2402	6.673147	-0.71978	0.905063	-0.79528	0.426452	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	206250	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr11-186	6.673147	-0.71978	0.905063	-0.79528	0.426452	0.981636	chr11	18609700	18610428	+	0	NA	non-codir	non-codir	10275	NR_038360	1.01E+08	Hs.585529	NM_001355	ENSG00000	SPTY2D1OS	SPTY2D1-A	SPTY2D1 c	protein-coding
chr1-1174	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	MER58C|DN	114619	NM_006699	10905	Hs.435938	NM_006699	ENSG00000	MAN1A2	MAN1B	mannosida	protein-coding
chr16-751	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr16	75161945	75162147	+	0	NA	intron (N	AluSx1|SI	12995	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr17-496	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr17	49621849	49622131	+	0	NA	exon (NM_	exon (NM_	4599	NM_001370	8405	Hs.463382	NM_003563	ENSG00000	SPOP	BTBD32|TE	speckle t	protein-coding
chr19-199	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr19	19930333	19934108	+	0	NA	intron (N	AluSc8|SI	31274	NM_031218	81931	Hs.301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr2-2004	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	AluY|SINE	49601	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr5-3617	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr5	36177832	36181636	+	0	NA	intron (N	Tigger20a	27623	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr5-8107	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr5	81072894	81074548	+	0	NA	intron (N	AluY|SINE	-112814	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr6-1308	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	66987	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr7-9828	8.367383	-0.64422	0.810131	-0.7952	0.426496	0.981636	chr7	98288761	98288960	+	0	NA	intron (N	AluJr4|SI	7174	NM_015379	25798	Hs.567438	NM_015379	ENSG00000	BRI3	I3	brain pro	protein-coding
chr1-2016	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	CpG	2135	NM_020443	89796	Hs.585374	NM_020443	ENSG00000	NAV1	POMFIL3|S	neuron na	protein-coding
chr1-2415	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	10987	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr11-349	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr11	34970310	34971430	+	0	NA	intron (N	Tigger4a|	29033	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-831	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr11	83188916	83189508	+	0	NA	intron (N	intron (N	-1728	NR_133914	1.07E+08	Hs.595343	NR_133914		PCF11-AS1	-	PCF11 ant	ncRNA
chr16-196	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr16	19633697	19633919	+	0	NA	intron (N	AluSc8|SI	78105	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr18-634	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr18	63406738	63407271	+	0	NA	intron (N	intron (N	15472	NM_004869	9525	Hs.126550	NM_004869	ENSG00000	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr2-4230	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr2	42306536	42307719	+	0	NA	intron (N	intron (N	52911	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr3-1250	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	7841	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr3-1724	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	3’ UTR (N	3’ UTR (N	47657	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr5-1464	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	29769	NM_194251	134391	Hs.483732	NM_194251	ENSG00000	GPR151	GALR4|GAL	G protein	protein-coding
chr5-1696	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr5	1.7E+08	1.7E+08	+	0	NA	intron (N	MIRb|SINE	16862	NM_001329	54908	Hs.368710	NM_017785	ENSG00000	SPDL1	CCDC99	spindle a	protein-coding
chr6-9056	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr6	90562491	90562838	+	0	NA	intron (N	L1PA5|LIN	24408	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1139	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	intron (N	Cheshire|	-14868	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG00000	HDAC2-AS2	-	HDAC2 ant	ncRNA
chr6-1600	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	-21087	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr8-9770	6.624149	-0.72219	0.908206	-0.79518	0.426509	0.981636	chr8	97706838	97707037	+	0	NA	intron (N	intron (N	62753	NM_001363	92140	Hs.377155	NM_178812	ENSG00000	MTDH	3D3|AEG-1	metadheri	protein-coding
chr10-877	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr10	87759703	87760489	+	0	NA	intron (N	intron (N	58135	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr12-225	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr12	22522471	22524622	+	0	NA	exon (NM_	exon (NM_	20651	NM_001286	9847	Hs.271014	NM_014802	ENSG00000	C2CD5	CDP138|KI	C2 calciu	protein-coding
chr12-532	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr12	53283877	53284649	+	0	NA	intron (N	AluSx3|SI	-11188	NM_145897	5204	Hs.655327	NM_002624	ENSG00000	PFDN5	MM-1|MM1|	prefoldin	protein-coding
chr12-130	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr12	1.31E+08	1.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	47921	NM_001351	2054	Hs.437585	NM_001980	ENSG00000	STX2	EPIM|EPM|	syntaxin	protein-coding
chr13-756	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr13	75680642	75680841	+	0	NA	intron (N	L1PA7|LIN	44411	NM_001306	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr15-487	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr15	48788642	48791315	+	0	NA	intron (N	intron (N	21091	NM_014985	22995	Hs.443005	NM_014985	ENSG00000	CEP152	MCPH4|MCP	centrosom	protein-coding
chr15-804	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr15	80475212	80477352	+	0	NA	intron (N	Tigger9b|	71900	NM_014862	9915	Hs.459070	NM_014862	ENSG00000	ARNT2	WEDAS|bHL	aryl hydr	protein-coding
chr17-578	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr17	57872743	57873664	+	0	NA	intron (N	intron (N	-23159	NM_016070	51649	Hs.5836	NM_016070	ENSG00000	MRPS23	CGI-138|H	mitochond	protein-coding
chr2-1997	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr2	19977186	19977710	+	0	NA	intron (N	L2c|LINE|	12657	NM_001006	57539	Hs.205427	NM_020779	ENSG00000	WDR35	CED2|IFT1	WD repeat	protein-coding
chr3-8157	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr3	81577335	81577753	+	0	NA	intron (N	intron (N	184101	NM_000158	2632	Hs.436062	NM_000158	ENSG00000	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr3-1523	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr3	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	5470	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr4-5703	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr4	57034708	57035328	+	0	NA	intron (N	intron (N	56122	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RP	RNA polym	protein-coding
chr6-7222	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr6	7222581	7223847	+	0	NA	intron (N	AluJr|SIN	89985	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr8-2904	4.931763	-0.83564	1.050954	-0.79512	0.426541	0.981636	chr8	29045834	29046336	+	0	NA	intron (N	intron (N	154771	NM_001324	79618	Hs.563560	NM_024567	ENSG00000	HMBOX1	HNF1LA|HO	homeobox	protein-coding
chr3-5837	4.873057	-0.8553	1.075889	-0.79497	0.42663	0.981636	chr3	58371649	58371924	+	0	NA	intron (N	intron (N	38480	NM_001349	54899	Hs.190544	NM_017771	ENSG00000	PXK	MONAKA|SL	PX domain	protein-coding
chr2-1890	12.34859	-0.53634	0.674706	-0.79493	0.426656	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	53884	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr1-1241	14.19352	0.507596	0.638594	0.794864	0.426692	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2659994	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-121	6.479122	0.73835	0.928987	0.79479	0.426735	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	24297	NM_001178	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr5-2146	6.598725	-0.73029	0.918951	-0.7947	0.426787	0.981636	chr5	21461813	21462160	+	0	NA	intron (N	AluSq2|SI	2506	NR_027027	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr15-426	3.683267	-0.95893	1.206665	-0.79469	0.426794	0.981636	chr15	42683501	42683932	+	0	NA	intron (N	L1MC5a|LI	53412	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr17-664	3.683267	-0.95893	1.206665	-0.79469	0.426794	0.981636	chr17	66456050	66456823	+	0	NA	intron (N	intron (N	-39582	NR_110822	1.02E+08	Hs.650730	NR_110822		PRKCA-AS1	-	PRKCA ant	ncRNA
chrX-1011	3.683267	-0.95893	1.206665	-0.79469	0.426794	0.981636	chrX	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSz|SIN	26915	NM_001318	2491	Hs.348920	NM_006733	ENSG00000	CENPI	CENP-I|FS	centromer	protein-coding
chr11-122	10.10276	-0.59213	0.745147	-0.79465	0.426816	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA5|LIN	3720	NR_137181	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr3-1080	10.10276	-0.59213	0.745147	-0.79465	0.426816	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	11131	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr7-3062	10.1439	-0.58951	0.741889	-0.79461	0.426842	0.981636	chr7	30620101	30624060	+	0	NA	intron (N	intron (N	27202	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr1-9315	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr1	93153546	93154900	+	0	NA	non-codir	non-codir	26190	NM_001167	50999	Hs.482873	NM_016040	ENSG00000	TMED5	CGI-100|p	transmemb	protein-coding
chr1-1626	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	Intergeni	MLT2B1|LT	-28708	NM_001354	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidin	protein-coding
chr10-686	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr10	68691104	68692404	+	0	NA	exon (NM_	exon (NM_	-29485	NM_018237	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr10-737	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr10	73735727	73736868	+	0	NA	Intergeni	AluSz6|SI	5735	NR_048575	2749	Hs.680699	NR_048575	ENSG00000	GLUD1P3	C10orf102	glutamate	pseudo
chr11-110	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	L1M5|LINE	18285	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr11-122	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	TTS (NR_0	TTS (NR_0	982	NR_029477	406882		NR_029477	ENSG00000	MIRLET7A2	LET7A2|MI	microRNA	ncRNA
chr15-520	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr15	52051700	52052626	+	0	NA	intron (N	MLT1F|LTR	32944	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding

chr15-626	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr15	62649959	62654326	+	0	NA	intron (N	intron (N	4831	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr17-375	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr17	37510207	37514700	+	0	NA	exon (NM_	exon (NM_	22562	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKF	dual spec	protein-coding
chr19-144	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr19	14400150	14401764	+	0	NA	intron (N	AluJb|SIN	18384	NM_005804	10212	Hs.311609	NM_005804	ENSG00000	DDX39A	BAT1|BAT1	DExD-box	protein-coding
chr19-232	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr19	23238619	23239320	+	0	NA	intron (N	intron (N	11425	NM_001355	440519	Hs.675814	NM_001355	ENSG00000	ZNF724	ZNF724P	zinc fing	protein-coding
chr19-406	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr19	40616135	40617235	+	0	NA	intron (N	AluSz|SIN	15316	NM_001042	8425	Hs.466766	NM_003573	ENSG00000	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr2-8746	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr2	87466339	87468172	+	0	NA	intron (N	intron (N	-2695	NR_146460	112597	Hs.652166	NR_024204	ENSG00000	CYTOR	C2orf59|I	cytoskele	ncRNA
chr2-1272	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	MIR|SINE|	36121	NM_001303	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr2-1332	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1M5|LINE	11677	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2016	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	9639	NM_152388	65062	Hs.12319	NM_152388	ENSG00000	TMEM237	ALS2CR4|J	transmemb	protein-coding
chr22-363	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr22	36356791	36357661	+	0	NA	intron (N	L2b|LINE|	30841	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr22-460	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr22	46088899	46091162	+	0	NA	intron (N	intron (N	-1014	NR_037413	1.01E+08		NR_037413	ENSG00000	MIR3619	-	microRNA	ncRNA
chr4-1393	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-73703	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr4-1854	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	6409	NM_181726	353322	Hs.508154	NM_181726	ENSG00000	ANKRD37	Lrp2bp	ankyrin r	protein-coding
chr5-7826	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr5	78264375	78265943	+	0	NA	intron (N	AluJr|SIN	29539	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr6-8547	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr6	85471886	85478321	+	0	NA	intron (N	intron (N	25020	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nucle	protein-coding
chr6-1334	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	215862	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr7-6680	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr7	66802323	66803532	+	0	NA	intron (N	A-rich|Lc	41899	NR_003934	729156	Hs.709878	NR_003934	ENSG00000	GTF2IRD1P	-	GTF2I rep	pseudo
chr8-6155	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr8	61558928	61561898	+	0	NA	intron (N	A-rich|Lc	129398	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|(	aspartate	protein-coding
chr8-7698	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr8	76982048	76983705	+	0	NA	3’ UTR (N	3’ UTR (N	-16026	NR_130460	1E+08		NR_130460	ENSG00000	MIR3149	-	microRNA	ncRNA
chr8-1301	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	-86043	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-9820	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr9	98204909	98205698	+	0	NA	intron (N	intron (N	8248	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|F	TBC1 doma	protein-coding
chr9-1090	6.657431	-0.71614	0.901432	-0.79445	0.426932	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSx|SIN	13489	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr1-2846	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr1	28464178	28464720	+	0	NA	intron (N	AluJo|SIN	26299	NM_023923	65979	Hs.225641	NM_023923	ENSG00000	PHACTR4	PPP1R124	phosphata	protein-coding
chr12-573	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr12	57328152	57328600	+	0	NA	intron (N	Tigger1|D	13398	NM_001351	22864	Hs.443673	NM_014925	ENSG00000	R3HDM2	CAG6|PRO1	R3H domai	protein-coding
chr12-658	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr12	65841923	65842766	+	0	NA	intron (N	MIR|SINE|	-15370	NR_026825	204010	Hs.558686	NR_026825	ENSG00000	RPSAP52	RPSA_17_1	ribosomal	pseudo
chr14-693	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr14	69375929	69377584	+	0	NA	Intergeni	LTR87|LTF	21543	NM_004450	2079	Hs.509791	NM_004450	ENSG00000	ERH	DROER	ERH mRNA	protein-coding
chr2-1999	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	MIRb|SINE	-9277	NM_001369	79568	Hs.154494	NM_024520	ENSG00000	MAIP1	C2orf47	matrix AA	protein-coding
chr2-2185	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	6473	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitir	protein-coding
chr3-1081	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	40021	NR_110028	1.02E+08	Hs.570653	NR_110028	ENSG00000	LINC01215	-	long inte	ncRNA
chr3-1795	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx1|SI	15301	NM_004301	86	Hs.435326	NM_004301	ENSG00000	ACTL6A	ACTL6|ARF	actin lik	protein-coding
chr4-1684	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	AluJb|SIN	23436	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bc	protein-coding
chrX-7394	4.898481	-0.84408	1.062733	-0.79426	0.427046	0.981636	chrX	73949842	73950643	+	0	NA	intron (N	L1MB5|LIN	5918	NR_024582	554203	Hs.648316	NR_024582	ENSG00000	JPX	DCBALD06|	JPX trans	ncRNA
chr1-3294	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr1	32943788	32944683	+	0	NA	intron (N	intron (N	20574	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr15-898	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr15	89868855	89869242	+	0	NA	intron (N	SVA_F|Ret	14982	NR_049807	1.01E+08		NR_049807	ENSG00000	MIR5009	-	microRNA	ncRNA
chr19-103	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr19	10376503	10377219	+	0	NA	intron (N	AluSz|SIN	3711	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr19-258	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr19	25848034	25850213	+	0	NA	Intergeni	ALR/Alpha	-1685676	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-403	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr19	40374331	40375229	+	0	NA	intron (N	intron (N	4934	NR_106854	1.02E+08		NR_106854	ENSG00000	MIR6796	hsa-mir-6	microRNA	ncRNA
chr6-4304	8.202755	0.660484	0.831652	0.794183	0.427089	0.981636	chr6	43043923	43045784	+	0	NA	exon (NM_	exon (NM_	9092	NM_001168	9820	Hs.520136	NM_014780	ENSG00000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr19-514	5.980684	0.775488	0.977133	0.793636	0.427407	0.981636	chr19	5142028	5142680	+	0	NA	intron (N	CpG	173241	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr7-2591	5.980684	0.775488	0.977133	0.793636	0.427407	0.981636	chr7	2591669	2594569	+	0	NA	exon (NM_	exon (NM_	34140	NM_152558	23288	Hs.520627	NM_152558	ENSG00000	IQCE	1700028PC	IQ motif	protein-coding
chr1-1714	8.67577	0.63543	0.800744	0.79355	0.427458	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSg|SIN	4632	NM_015172	23215	Hs.494614	NM_015172	ENSG00000	PRRC2C	BAT2-iso|	proline r	protein-coding
chr6-5657	8.408523	-0.64099	0.808331	-0.79297	0.427793	0.981636	chr6	56578281	56578652	+	0	NA	intron (N	intron (N	64423	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-1122	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	11228694	11232997	+	0	NA	intron (N	intron (N	31706	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAF	mechanist	protein-coding
chr1-2683	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	26832566	26836169	+	0	NA	intron (N	MIRb|SINE	7679	NM_032283	84243	Hs.523710	NM_032283	ENSG00000	ZDHHC18	DHHC-18|I	zinc fing	protein-coding
chr1-1204	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	1.2E+08	1.21E+08	+	0	NA	intron (N	intron (N	-69414	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1680	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	MER58A|DN	65187	NM_001267	23432	Hs.271809	NM_007369	ENSG00000	GPR161	RE2	G protein	protein-coding
chr1-2128	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	15484	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr1-2294	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	LTR33|LTF	-35585	NM_001100	58	Hs.1288	NM_001100	ENSG00000	ACTA1	ACTA|ASMA	actin alp	protein-coding
chr11-651	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr11	65124507	65127005	+	0	NA	non-codir	non-codir	3435	NM_004927	740	Hs.744882	NM_004927	ENSG00000	MRPL49	C11orf4|I	mitochonc	protein-coding
chr12-122	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-38204	NM_152759	254050	Hs.374856	NM_152759	ENSG00000	LRRC43	-	leucine r	protein-coding
chr17-758	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr17	75846074	75851579	+	0	NA	intron (N	intron (N	-4109	NM_199242	201294	Hs.41045	NM_199242	ENSG00000	UNC13D	FHL3|HLH3	unc-13 hc	protein-coding
chr2-7435	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr2	74357976	74371240	+	0	NA	intron (N	intron (N	10127	NM_023019	1639	Hs.516111	NM_004082	ENSG00000	DCTN1	DAP-150|I	dynactin	protein-coding
chr2-2186	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	5432	NM_001371454								
chr9-1330	8.699343	0.629772	0.794671	0.792493	0.428073	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	18202	NR_001275	1057	Hs.654361	NR_001275	ENSG00000	CELP	CELL|cell	carboxyl	pseudo
chr22-466	8.120476	0.658869	0.831448	0.792435	0.428107	0.981636	chr22	46685946	46686542	+	0	NA	3’ UTR (N	3’ UTR (N	52008	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59F	ceramide	protein-coding
chr11-282	6.146977	-0.76898	0.970584	-0.79229	0.428194	0.981636	chr11	28211021	28211289	+	0	NA	exon (NM_	exon (NM_	102767	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr12-105	8.41638	-0.64244	0.811075	-0.79209	0.428309	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	LTR60B|LT	18107	NM_001034	160428	Hs.42572	NM_001034	ENSG00000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr2-6978	8.136192	0.654858	0.82687	0.791972	0.428377	0.981636	chr2	69788261	69788469	+	0	NA	intron (N	AluSz6|SI	-41295	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr12-297	8.334101	-0.64902	0.819554	-0.79191	0.428411	0.981636	chr12	29759305	29759644	+	0	NA	intron (N	AluJb|SIN	24468	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr1-1553	11.45914	0.555595	0.702021	0.791422	0.428698	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluJr|SIN	-38026	NR_034180	645682	Hs.632482	NR_034180	ENSG00000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr1-2237	11.45914	0.555595	0.702021	0.791422	0.428698	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJr|SIN	46718	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASF	tumor prc	protein-coding
chr4-6604	11.45914	0.555595	0.702021	0.791422	0.428698	0.981636	chr4	6604779	6606007	+	0	NA	intron (N	intron (N	30204	NM_015274	23324	Hs.188464	NM_015274	ENSG00000	MAN2B2	-	mannosida	protein-coding
chr13-113	8.758049	0.637102	0.805058	0.791375	0.428725	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	26213	NM_000705	496	Hs.434202	NM_000705	ENSG00000	ATP4B	ATP6B	ATPase H+	protein-coding
chr10-864	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr10	86442097	86442899	+	0	NA	intron (N	intron (N	-75703	NM_017551	2894	Hs.530653	NM_017551	ENSG00000	GRID1	GluD1	glutamate	protein-coding
chr11-937	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr11	93706686	93711343	+	0	NA	intron (N	L1MA3|LIN	-12500	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Ca	ncRNA
chr14-520	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr14	52023013	52023305	+	0	NA	intron (N	intron (N	33613	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr20-942	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr20	9421103	9421617	+	0	NA	exon (NM_	exon (NM_	-92998	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr4-1056	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	23826	NM_020395	57117	Hs.480454	NM_020395	ENSG00000	INTS12	INT12|PHF	integratc	protein-coding
chr4-1194	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	non-codir	non-codir	8189	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr6-3093	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr6	3093779	3094145	+	0	NA	intron (N	CpG	-24414	NR_026649	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr7-1347	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	4822	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAL	caldesmor	protein-coding
chr7-1494	8.400665	-0.63951	0.808163	-0.79132	0.42876	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	24456	NM_015694	27153	Hs.38512	NM_015694	ENSG00000	ZNF777	-	zinc fing	protein-coding
chr1-1506	7.598464	0.688385	0.870103	0.791154	0.428854	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-32025	NM_207043	2029	Hs.632456	NM_004436	ENSG00000	ENSA	ARPP-19e	endosulfi	protein-coding
chr1-1233	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1835992	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2064	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	3462	NR_106919	1.02E+08		NR_106919	ENSG00000	MIR6769B	hsa-mir-6	microRNA	ncRNA
chr10-112	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr10	1124059	1126606	+	0	NA	intron (N	AluSp|SIN	-34436	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr10-631	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr10	63139999	63140992	+	0	NA	intron (N	AluJb|SIN	7167	NM_030759	29982	Hs.449628	NM_030759	ENSG00000	NRBF2	COPR|COPF	nuclear r	protein-coding
chr12-563	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr12	56324142	56325833	+	0	NA	intron (N	intron (N	-8639	NM_001190	10330	Hs.8752	NM_014255	ENSG00000	CNPY2	HP10390|N	canopy FC	protein-coding
chr12-123	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJb|SIN	15120	NM_001516	2967	Hs.355348	NM_001516	ENSG00000	GTF2H3	BTF2|P34|	general t	protein-coding
chr17-362	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr17	3622116	3623651	+	0	NA	intron (N	AluSx|SIN	13367	NM_013276	23729	Hs.579217	NM_013276	ENSG00000	SHPK	CARKL|SHK	sedoheptu	protein-coding
chr17-670	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr17	67086320	67087601	+	0	NA	exon (NM_	exon (NM_	42406	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr19-366	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr19	3660790	3663871	+	0	NA	intron (N	intron (N	-35515	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr2-2186	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluSq2|SI	9669	NM_001369	27148	Hs.471404	NM_015690	ENSG00000	STK36	FU	serine/th	protein-coding
chr2-2380	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-22250	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr7-9313	6.477272	0.724501	0.915927	0.791003	0.428942	0.981636	chr7	93138585	93139577	+	0	NA	intron (N	intron (N	9304	NM_001350	219285	Hs.489118	NM_152703	ENSG00000	SAMD9L	ATXPC|C7c	sterile a	protein-coding
chr5-6756	10.96255	0.574954	0.727008	0.79085	0.429031	0.981636	chr5	6756143	6756364	+	0	NA	3’ UTR (N	3’ UTR (N	-39627	NR_146281	1.1E+08	Hs.582455	NR_146281	ENSG00000	LINC02236	-	long inte	ncRNA
chr19-113	5.450814	0.831856	1.052046	0.790703	0.429117	0.981636	chr19	11326831	11327030	+	0	NA	TTS (NM_C	TTS (NM_C	12727	NM_004283	9545	Hs.744916	NM_004283	ENSG00000	RAB3D	D2-2|GOV|	RAB3D, me	protein-coding
chr7-4573	6.180258	-0.76216	0.963964	-0.79065	0.429147	0.981636	chr7	45734470	45735085	+	0	NA	intron (N	intron (N	34241	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr19-529	8.291112	-0.66373	0.83948	-0.79065	0.429149	0.981636	chr19	52907551	52908203	+	0	NA	exon (NM_	exon (NM_	10054	NM_001310	388559		NM_001310	ENSG00000	ZNF888	-	zinc fing	protein-coding
chr5-1326	10.43268	0.593774	0.751011	0.790633	0.429158	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSz6|SI	32018	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr19-270	50.78479	0.307288	0.388786	0.790378	0.429307	0.981636	chr19	27065031	27065528	+	0	NA	Intergeni	ALR/Alpha	-728152	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-1048	6.453698	0.732242	0.926737	0.79013	0.429452	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSc|SIN	8461	NM_001321	57531	Hs.434340	NM_020771	ENSG00000	HACE1	SPPRS	HECT doma	protein-coding
chr6-1354	6.453698	0.732242	0.926737	0.79013	0.429452	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	7613	NM_001134	54806	Hs.386684	NM_017651	ENSG00000	AHI1	AHI-1|JBT	Abelson h	protein-coding
chr4-7703	9.600163	-0.61987	0.784634	-0.79001	0.429521	0.981636	chr4	77037071	77037291	+	0	NA	3’ UTR (N	3’ UTR (N	37729	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr10-918	8.658204	0.628937	0.796392	0.789733	0.429684	0.981636	chr10	91822489	91823905	+	0	NA	intron (N	intron (N	24771	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAF	tankyrase	protein-coding
chr3-9672	8.658204	0.628937	0.796392	0.789733	0.429684	0.981636	chr3	9672011	9673448	+	0	NA	exon (NM_	exon (NM_	23224	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr3-1466	8.658204	0.628937	0.796392	0.789733	0.429684	0.981636	chr3	14668389	14669217	+	0	NA	intron (N	MLT1J|LTF	-6338	NM_001184	84077	Hs.661452	NM_032137	ENSG00000	C3orf20	-	chromosom	protein-coding
chr11-477	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr11	47793591	47795191	+	0	NA	intron (N	AluY|SINE	-27050	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr12-958	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr12	95864660	95865971	+	0	NA	intron (N	intron (N	6363	NM_003095	6636	Hs.105465	NM_003095	ENSG00000	SNRPF	SMF|Sm-F|	small nuc	protein-coding
chr12-132	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSz|SIN	3618	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr15-670	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr15	67099222	67099806	+	0	NA	intron (N	intron (N	-26202	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-223	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr16	22342546	22343391	+	0	NA	Intergeni	L1MA9|LIN	31651	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr17-596	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr17	59639793	59640977	+	0	NA	intron (N	intron (N	20490	NM_004859	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr17-625	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr17	62544316	62545492	+	0	NA	intron (N	L1M4|LINE	63791	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr19-990	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr19	990746	992187	+	0	NA	intron (N	intron (N	7138	NM_024100	57418	Hs.325321	NM_024100	ENSG00000	WDR18	Ipi3|R321	WD repeat	protein-coding
chr19-966	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr19	9669523	9674126	+	0	NA	intron (N	ERVL-E-ir	3276	NM_017656	54811	Hs.371107	NM_017656	ENSG00000	ZNF562	-	zinc fing	protein-coding
chr3-1570	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr3	15709993	15713287	+	0	NA	3’ UTR (N	3’ UTR (N	-14269	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr3-1946	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	intron (N	6327	NM_018385	55341	Hs.744061	NM_018385	ENSG00000	LSG1	-	large 60S	protein-coding
chr4-1393	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-42563	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr4-1393	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-48511	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr5-1427	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr5	14274810	14276557	+	0	NA	intron (N	L1MC5a|LI	132341	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-6576	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr5	65766639	65767442	+	0	NA	intron (N	THE1D-int	44835	NM_020726	57486	Hs.247460	NM_020726	ENSG00000	NLN	AGTBP|EP2	neurolysi	protein-coding
chr5-9578	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr5	95784203	95786269	+	0	NA	intron (N	L3|LINE|C	37490	NM_002064	2745	Hs.28988	NM_002064	ENSG00000	GLRX	GRX|GRX1	glutaredc	protein-coding
chr6-1316	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	22179	NM_004830	9439	Hs.29679	NM_004830	ENSG00000	MED23	ARC130|CF	mediator	protein-coding
chr6-1692	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr6	1.69E+08	1.69E+08	+	0	NA	intron (N	(GT)n|Sim	6498	NM_003247	7058	Hs.371147	NM_003247	ENSG00000	THBS2	TSP2	thrombosp	protein-coding
chr9-6923	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr9	69236518	69239130	+	0	NA	intron (N	intron (N	32669	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jur	protein-coding
chr9-1243	6.649573	-0.71431	0.904878	-0.78939	0.429881	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	non-codir	non-codir	915	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr11-108	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	102027	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr16-249	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr16	24976207	24976926	+	0	NA	intron (N	G-rich|Lc	38803	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-840	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr16	84094877	84095821	+	0	NA	intron (N	intron (N	21593	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1F	membrane	protein-coding
chr19-205	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr19	20552278	20554435	+	0	NA	intron (N	AluSx|SIN	12425	NM_001159	1E+08	Hs.515696	NM_001159	ENSG00000	ZNF737	ZNF102	zinc fing	protein-coding
chr2-8536	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr2	85362261	85363365	+	0	NA	intron (N	AluSz|SIN	8044	NM_001135	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr2-2004	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr2	2E+08	2E+08	+	0	NA	exon (NM_	exon (NM_	19793	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding

chr8-125	8.666062	0.627071	0.79441	0.789355	0.429905	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (	AluSp|SI	40015	NM_01484	9897	Hs.27004	NM_01484	ENSG0000	WASHC5	KIAA0196|	WASH com	protein-coding
chr1-197	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr1	19750777	19752311	+	0	NA	intron (	AluJb|SI	47805	NM_00134	255104	Hs.46672	NM_18171	ENSG0000	TMCO4	-	transmem	protein-coding
chr10-167	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr10	16752880	16753834	+	0	NA	intron (	intron (	64067	NM_01242	6251	Hs.524161	NM_01242	ENSG0000	RSU1	RSP-1	Ras supp	protein-coding
chr10-27	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr10	27540290	27540666	+	0	NA	non-codi	non-codi	36174	NR_04617	22931	Hs.40679	NM_02125	ENSG0000	RAB18	RAB18LI1|	RAB18, m	protein-coding
chr12-10	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (	MamSINE1|	38289	NM_01605	51019	Hs.40569	NM_01605	ENSG0000	WASHC3	CCDC53|C	WASH com	protein-coding
chr13-11	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (	L1MC5|LI	41512	NM_01821	55739	Hs.408324	NM_01821	ENSG0000	NAXD	CARKD|LP	NAD(P)HX	protein-coding
chr3-138	3.675409	-0.95585	1.210944	-0.78934	0.429914	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (	MIRb|SIN	58737	NM_00134	347736	Hs.66099	NM_17813	ENSG0000	NME9	NM23-H9|	NME/NM23	protein-coding
chr1-971	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr1	9715644	9716107	+	0	NA	exon (NM_	exon (NM_	24408	NM_00135	5293	Hs.518451	NM_00502	ENSG0000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-103	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr1	10364898	10367965	+	0	NA	intron (	intron (	-32633	NM_001304	5226	Hs.464071	NM_002631	ENSG0000	PGD	6PGD	phosphogl	protein-coding
chr1-212	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (	L1M4a1|LI	17753	NM_01825	55248	Hs.44538	NM_01825	ENSG0000	PACC1	C1orf75|	proton ac	protein-coding
chr1-247	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (	MLT1B|LT	28855	NM_00132	84838	Hs.168677	NM_03275	ENSG0000	ZNF496	NIZP1|ZF	zinc fin	protein-coding
chr12-66	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr12	6656909	6658483	+	0	NA	intron (	AluSg|SI	5423	NM_001127	51147	Hs.52421	NM_01616	ENSG0000	ING4	my036|p2	inhibitor	protein-coding
chr12-101	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (	L1PA7|LI	-76150	NR_04983	1.01E+08		NR_04983	ENSG0000	MIR548AQ	-	microRNA	ncRNA
chr13-10	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr13	1E+08	1E+08	+	0	NA	intron (	MER61-int	72840	NR_04768	1.01E+08	Hs.662554	NR_047686		PCCA-AS1	-	PCCA anti	ncRNA
chr14-34	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr14	34956122	34957480	+	0	NA	intron (	AluSq2|SI	16879	NR_002937	280655	Hs.639271	NR_002937		IGBP1P1	C14orf19	immunogl	pseudo
chr15-991	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr15	99151149	99151805	+	0	NA	intron (	intron (	46397	NM_01528	23336	Hs.20710	NM_01528	ENSG0000	SYNM	DMN|SYN	synemin	protein-coding
chr16-311	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr16	3119755	3120973	+	0	NA	3' UTR (	3' UTR (	-4766	NR_024167	81854	Hs.66949	NR_024166		ZNF205-A	-	ZNF205 a	ncRNA
chr17-27	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr17	27591457	27594099	+	0	NA	intron (	intron (	-38410	NM_00230	3965	Hs.81337	NM_00230	ENSG0000	LGALS9	HUAT|LGA	galectin	protein-coding
chr17-454	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr17	45477088	45479358	+	0	NA	intron (	intron (	-2788	NR_03619	1E+08		NR_03619	ENSG0000	MIR4315-1	-	microRNA	ncRNA
chr17-60	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr17	60683816	60685444	+	0	NA	intron (	intron (	6779	NM_00132	54828	Hs.65502	NM_01767	ENSG0000	BCAS3	GAOB1|MA	BCAS3 mi	protein-coding
chr17-77	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr17	77336840	77337984	+	0	NA	intron (	L1MEf|LI	17897	NM_00664	10801	Hs.44093	NM_00664	ENSG0000	SEPTIN9	AF17q25|	septin 9	protein-coding
chr17-80	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr17	80998684	80999906	+	0	NA	3' UTR (	3' UTR (	7454	NM_024591	79643	Hs.51456	NM_024591	ENSG0000	CHMP6	VPS20	charged	protein-coding
chr19-12	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr19	12043210	12045078	+	0	NA	exon (NM_	exon (NM_	-8403	NM_00108	163059	Hs.66777	NM_15260	ENSG0000	ZNF433	-	zinc fin	protein-coding
chr19-371	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr19	37108181	37117044	+	0	NA	intron (	HERVK-int	34179	NM_00132	147923	Hs.44499	NM_14468	ENSG0000	ZNF420	APAK	zinc fin	protein-coding
chr22-17	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr22	17863954	17864450	+	0	NA	3' UTR (	3' UTR (	42684	NM_00112	57553	Hs.528024	NM_015241	ENSG0000	MICAL3	MICAL-3	microtub	protein-coding
chr3-9937	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr3	9937154	9938176	+	0	NA	exon (NM_	exon (NM_	3831	NM_01551	78987	Hs.9383	NM_01551	ENSG0000	CRELD1	AVSD2|CI	cysteine	protein-coding
chr6-422	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr6	42299799	42300537	+	0	NA	intron (	L3|LINE|	-82307	NM_018141	55173	Hs.380887	NM_018141	ENSG0000	MRPS10	MRP-S10|	mitochon	protein-coding
chr7-5504	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr7	5504083	5505778	+	0	NA	intron (	AluY|SIN	8879	NM_00136	80028	Hs.623974	NM_02496	ENSG0000	FBXL18	Fbl18	F-box an	protein-coding
chr7-1211	6.443991	0.721061	0.913875	0.789015	0.430103	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (	MSTA|LTR|	-135991	NM_016087	51384	Hs.27237	NM_016087	ENSG0000	WNT16	-	Wnt famil	protein-coding
chr13-95	8.732625	0.632467	0.801934	0.788677	0.430301	0.981636	chr13	95219672	95219911	+	0	NA	intron (	AluJo|SI	9447	NR_14573	1.1E+08		NR_145733		SNORD13G	-	small nu	snoRNA
chr16-46	8.732625	0.632467	0.801934	0.788677	0.430301	0.981636	chr16	4699830	4700756	+	0	NA	intron (	AluSx3|SI	6575	NM_00137	84309	Hs.51331	NM_03234	ENSG0000	NUDT16L1	SDOS|TIR	nudix hy	protein-coding
chr16-11	8.732625	0.632467	0.801934	0.788677	0.430301	0.981636	chr16	11025236	11027442	+	0	NA	intron (	L1MEc|LI	81775	NM_01522	23274	Hs.35490	NM_01522	ENSG0000	CLEC16A	Gop-1|KI	C-type l	protein-coding
chr9-126	8.732625	0.632467	0.801934	0.788677	0.430301	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (	Tigger1|	15326	NM_014007	23099	Hs.355581	NM_014007	ENSG0000	ZBTB43	ZBTB22B|	zinc fin	protein-coding
chr1-310	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr1	31055147	31055916	+	0	NA	intron (	MamRTE1|	10186	NM_00102	9698	Hs.281707	NM_01467	ENSG0000	PUM1	HSPUM|PU	pumilio	protein-coding
chr1-1851	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (	L1MC5|LI	13926	NM_030934	81627	Hs.10714	NM_030934	ENSG0000	TRMT1L	C1orf25|	tRNA met	protein-coding
chr12-881	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr12	88129030	88129777	+	0	NA	intron (	intron (	12813	NM_025114	80184	Hs.150444	NM_025114	ENSG0000	CEP290	3H11Ag|B	centroso	protein-coding
chr2-170	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (	L1ME3|LI	-107721	NR_04568	140469	Hs.67190	NM_13899	ENSG0000	MYO3B	-	myosin II	protein-coding
chr3-3714	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr3	37147387	37147939	+	0	NA	intron (	intron (	26919	NM_00630	9209	Hs.74052	NM_00630	ENSG0000	LRRFIP2	HUFI-2	LRR bindi	protein-coding
chr3-1224	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	8244	NM_01906	54554	Hs.56751	NM_01906	ENSG0000	WDR5B	-	WD repeat	protein-coding
chr4-420	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr4	42062818	42064206	+	0	NA	intron (	LTR78|LT	72982	NM_00634	10463	Hs.479634	NM_00634	ENSG0000	SLC30A9	BILAPES|	solute c	protein-coding
chr8-231	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr8	23196188	23197141	+	0	NA	intron (	LOR1b|LT	28438	NM_003844	8797	Hs.213467	NM_003844	ENSG0000	TNFRSF10	APO2|CD2	TNF rece	protein-coding
chr9-1907	6.436133	0.723591	0.917478	0.788674	0.430303	0.981636	chr9	19075185	19076086	+	0	NA	intron (	L1MB5|LI	-11849	NR_00300	677776	Hs.68963	NR_00300	ENSG0000	SCARNA8	U92	small Ca	ncRNA
chr10-68	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr10	68068757	68073161	+	0	NA	intron (	intron (	4324	NM_00127	26091	Hs.51891	NM_015601	ENSG0000	HERC4	-	HECT and	protein-coding
chr16-854	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr16	85435	85930	+	0	NA	TTS (NM_	TTS (NM_	7457	NM_00101	4350	Hs.45959	NM_002434	ENSG0000	MPG	AAG|ADPG|	N-methyl	protein-coding
chr2-179	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (	Helitron	23490	NM_02094	57703	Hs.31136	NM_02094	ENSG0000	CWC22	EIF4GL|N	CWC22 spl	protein-coding
chr20-21	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr20	21332627	21334382	+	0	NA	intron (	intron (	30006	NM_001317	22803	Hs.25593	NM_01225	ENSG0000	XRN2	-	5'-3' ex	protein-coding
chr6-405	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr6	4056927	4058306	+	0	NA	intron (	intron (	21521	NM_17356	222826	Hs.65734	NM_17356	ENSG0000	FAM217A	C6orf146	family wi	protein-coding
chr6-110	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	TTS (NM_1	TTS (NM_1	9450	NM_13840	112495	Hs.41852	NM_13840	ENSG0000	GTF3C6	C6orf51|	general t	protein-coding
chr6-133	8.359525	-0.64273	0.815192	-0.78843	0.430443	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (	L1PA7|LI	266178	NM_001301	2070	Hs.59668	NM_00410	ENSG0000	EYA4	CMD1J|DF	EYA trans	protein-coding
chr1-144	11.39258	0.551284	0.6993	0.788337	0.4305	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (	intron (	174740	NR_027354	645166	Hs.74418	NR_027354		LSP1P5	-	LSP1 pse	pseudo
chr1-149	14.66468	0.492038	0.624249	0.788207	0.430576	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (	L2c|LINE|	3118	NM_00585	10262	Hs.51616	NM_00585	ENSG0000	SF3B4	AFD1|Hsh4	splicing	protein-coding
chr2-216	10.57993	-0.57169	0.725541	-0.78796	0.430723	0.981636	chr2	2.17E+08	2.17E+08	+	0	NA	intron (	intron (	17069	NM_00059	3488	Hs.60721	NM_00059	ENSG0000	IGFBP5	IBP5	insulin l	protein-coding
chr9-1101	10.57993	-0.57169	0.725541	-0.78796	0.430723	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	13193	NM_00113	445815	Hs.59190	NM_00720	ENSG0000	PALM2-AK	AKAP-2|A	PALM2-AK	protein-coding
chr3-5261	7.890211	-0.67507	0.856968	-0.78774	0.430846	0.981636	chr3	52612484	52612777	+	0	NA	intron (	AluSz|SI	72969	NM_00135	55193	Hs.18992	NM_01816	ENSG0000	PBRM1	BAF180|P	polybrom	protein-coding
chr4-715	7.890211	-0.67507	0.856968	-0.78774	0.430846	0.981636	chr4	71534286	71534916	+	0	NA	intron (	intron (	195548	NM_00375	8671	Hs.5462	NM_00375	ENSG0000	SLC4A4	HNBC1|KN	solute c	protein-coding
chr7-3584	7.890211	-0.67507	0.856968	-0.78774	0.430846	0.981636	chr7	35844870	35845109	+	0	NA	intron (	AluJo|SI	43770	NM_00136	989	Hs.19134	NM_00178	ENSG0000	SEPTIN7	CDC10|CD	septin 7	protein-coding
chr8-306	7.890211	-0.67507	0.856968	-0.78774	0.430846	0.981636	chr8	30652501	30652700	+	0	NA	intron (	L1MB8|LI	5018	NM_00134	2961	Hs.77100	NM_00209	ENSG0000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr1-101	7.731591	0.70017	0.889042	0.787556	0.430956	0.981636	chr1	10121460	10121770	+	0	NA	intron (	AluJr4|SI	88657	NM_00110	10277	Hs.593974	NM_00604	ENSG0000	UBE4B	E4|HDNB1|	ubiquiti	protein-coding
chr12-111	5.921979	0.765303	0.972012	0.787339	0.431083	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	-37173	NM_00069	217	Hs.604551	NM_00069	ENSG0000	ALDH2	ALDH-E2|	aldehyde	protein-coding
chr2-2014	5.921979	0.765303	0.972012	0.787339	0.431083	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (	intron (	-42735	NM_13916	130540	Hs.107944	NM_13916	ENSG0000	FLACC1	ALS2CR12	flagellu	protein-coding
chr18-12	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr18	12321927	12326939	+	0	NA	intron (	intron (	16192	NM_00130	84617	Hs.193491	NM_03252	ENSG0000	TUBB6	FPVEPD|H	tubulin	protein-coding
chr3-1381	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (	AluJb|SI	11699	NM_01621	51163	Hs.47770	NM_01621	ENSG0000	DBR1	-	debranchi	protein-coding
chr4-988	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr4	98888862	98890576	+	0	NA	intron (	intron (	39414	NM_00113	1977	Hs.13211	NM_00196	ENSG0000	EIF4E	AUTS19|C	eukaryoti	protein-coding
chr4-128	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (	intron (	130403	NM_001287	79960	Hs.12420	NM_02490	ENSG0000	JADE1	PHF17	jade fami	protein-coding
chr5-7297	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr5	72970135	72971594	+	0	NA	intron (	L1PA3|LI	14823	NM_00114	115548	Hs.16576	NM_13878	ENSG0000	FCHO2	-	FCH domai	protein-coding
chr6-1754	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr6	17544613	17545791	+	0	NA	intron (	intron (	-33937	NR_11085	1.02E+08	Hs.62287	NR_110855		LOC10192	-	uncharact	ncRNA
chr7-134	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (	L1MB2|LI	-39300	NR_16029	340351	Hs.64861	NM_17856	ENSG0000	AGBL3	CCP3	ATP/GTP	protein-coding
chr9-1101	8.392807	-0.63801	0.810573	-0.78711	0.431219	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	20712	NM_00113	445815	Hs.59190	NM_00720	ENSG0000	PALM2-AK	AKAP-2|A	PALM2-AK	protein-coding
chr1-2027	11.43372	0.552009	0.701373	0.78704	0.431258	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	34781	NM_001347	10765	Hs.18891	NM_00661	ENSG0000	KDM5B	CT31|JARI	lysine d	protein-coding
chr10-611	6.616291	-0.72039	0.9154	-0.78697	0.431302	0.981636	chr10	6115925	6117070	+	0	NA	3' UTR (	3' UTR (	27151	NM_00114	84991	Hs.49854	NM_03290	ENSG0000	RBM17	SPF45	RNA bindi	protein-coding
chr20-34	6.616291	-0.72039	0.9154	-0.78697	0.431302	0.981636	chr20	34381408	34381761	+	0	NA	intron (	AluSx3|SI	18311	NM_001324	83737	Hs.63227	NM_03148	ENSG0000	ITCH	ADMFD|AI	itchy E3	protein-coding
chr6-571	6.616291	-0.72039	0.9154	-0.78697	0.431302	0.981636	chr6	57105811	57106780	+	0	NA	3' UTR (	3' UTR (	16107	NM_001031	26036	Hs.48562	NM_01555	ENSG0000	ZNF451	COASTER|	zinc fin	protein-coding
chr12-557	10.0949	-0.59082	0.751054	-0.78666	0.431483	0.981636	chr12	55778754	55779104	+	0	NA	intron (	AluSx3|SI	35807	NM_005811	10220	Hs.60088	NM_005811	ENSG0000	GDF11	BMP-11|B	growth di	protein-coding
chr1-211	11.40044	0.549861	0.699512	0.786064	0.43183	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	TTS (NM_	TTS (NM_	-12812	NM_00461	7188	Hs.52393	NM_00461	ENSG0000	TRAF5	MGC:3978	TNF rece	protein-coding
chr1-1801	8.650346	0.630816	0.80281	0.785761	0.432008	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	MIRb|SIN	1268	NM_00282	5768	Hs.71917	NM_00282	ENSG0000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr12-10	8.650346	0.630816	0.80281	0.785761	0.432008	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (	AluSp|SI	19318	NM_001251	55198	Hs.50660	NM_018171	ENSG0000	APPL2	DIP13B	adaptor	protein-coding
chr16-251	8.650346	0.630816	0.80281	0.785761	0.432008	0.981636	chr16	2519437	2519736	+	0	NA	promoter-	promoter-	-785	NM_00114	51005	Hs.74043	NM_015944	ENSG0000	AMDHD2	CGI-14	amidohyd	protein-coding
chr6-3074	14.14267	0.501666	0.638531	0.785657	0.432068	0.981636	chr6	30743250	30743885	+	0	NA	promoter-	promoter-	604	NR_14909	1.05E+08	Hs.730861	NR_14909	ENSG0000	IER3-AS1	-	IER3 anti	ncRNA
chr1-2271	9.246779	0.61118	0.777973	0.785606	0.432098	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (	L1MB4|LI	166651	NM_020247	56997	Hs.118241	NM_020247	ENSG0000	COQ8A	ADCK3|AR	coenzyme	protein-coding
chr1-1217	10.93713	0.571167	0.727317	0.785307	0.432273	0.981636	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	234025	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr8-616	10.12818	-0.58692	0.747492	-0.78518	0.432347	0.981636	chr8	61623482	61627084	+	0	NA	3' UTR (	3' UTR (	64528	NM_001164	444	Hs.33242	NM_00431	ENSG0000	ASPH	AAH|BAH|	aspartat	protein-coding
chr5-141	6.088271	-0.78518	1.000353	-0.7849	0.432511	0.981636	chr5	14192456	14192799	+	0	NA	intron (	intron (	49285	NM_00711	7204	Hs.130031	NM_00711	ENSG0000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr14-22	8.67392	0.625175	0.796716	0.78469	0.432635	0.981636	chr14	22602496	22605941	+	0	NA	intron (	intron (	5980	NM_02206	63874	Hs.44566	NM_02206	ENSG0000	ABHD4	ABH4	abhydrol	protein-coding
chr19-32	8.67392	0.625175	0.796716	0.78469	0.432635	0.981636	chr19	32603614	32606007	+	0	NA	intron (	AluSx1|SI	3659	NR_14571	1.1E+08		NR_14571	ENSG0000	SNORA68B	-	small nu	snoRNA
chr19-444	8.67392	0.625175	0.796716	0.78469	0.432635	0.981636	chr19	44488432	44489140	+	0	NA	intron (	SVA_D|Ret	11736	NM_01325	7733	Hs.22305	NM_01325	ENSG0000	ZNF180	HHZ168	zinc fin	protein-coding
chr20-491	8.67392	0.625175	0.796716	0.78469	0.432635	0.981636	chr20	49114098	49114343	+	0	NA	3' UTR (	3' UTR (	67908	NM_00131	1434	Hs.90073	NM_00131	ENSG0000	CSE1L	CAS|CSE1|	chromoso	protein-coding
chr14-22	8.177332	0.655513	0.835415	0.784656	0.432655	0.981636	chr14	22607071	22607377	+	0	NA	intron (	intron (	8986	NM_02206	63874	Hs.44566	NM_02206	ENSG0000	ABHD4	ABH4	abhydrol	protein-coding
chr5-102	8.177332	0.655513	0.835415	0.784656	0.432655	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (	AluY|SIN	13359	NM_00091	5066	Hs.36943	NM_00091	ENSG0000	PAM	PAL|PHM	peptidyl	protein-coding
chr17-671	8.14405	0.652719	0.831884	0.784627	0.432672	0.981636	chr17	67150288	67151192	+	0	NA	intron (	intron (	-94036	NR_13639	1.02E+08	Hs.569824	NR_136398		LOC10192	-	uncharact	ncRNA
chr19-32	8.14405	0.652719	0.831884	0.784627	0.432672	0.981636	chr19	32622053	32622392	+	0	NA	intron (	intron (	-13753	NR_14571	1.1E+08		NR_14571	ENSG0000	SNORA68B	-	small nu	snoRNA
chr12-77	6.690712	-0.71008	0.905172	-0.78447	0.432766	0.981636	chr12	77974250	77975396	+	0	NA	intron (	MIRb|SIN	143929	NM_01490	89795	Hs.655301	NM_01490	ENSG0000	NAV3	POMFIL1|	neuron n	protein-coding
chr8-644	6.690712	-0.71008	0.905172	-0.78447	0.432766	0.981636	chr8	6442486	6443272	+	0	NA	intron (	intron (	35726	NM_00132	79648	Hs.593807	NM_02459	ENSG0000	MCPH1	BRIT1|MC	microcep	protein-coding
chr8-4197	6.690712	-0.71008	0.905172	-0.78447	0.432766	0.981636	chr8	41970751	41971479	+	0	NA	intron (	L1PA5|LI	-74374	NM_00114	286	Hs.65443	NM_000037	ENSG0000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr8-1407	6.690712	-0.71008	0.905172	-0.78447	0.432766	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	-35156	NR_02989	442893		NR_02989	ENSG0000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-324	6.690712	-0.71008	0.905172	-0.78447	0.432766	0.981636	chr9	32464829	32465491	+	0	NA	intron (	intron (	61036	NM_014314	23586	Hs.19062	NM_014314	ENSG0000	DDX58	RIG-I|RI	DExD/H-b	protein-coding
chr17-757	4.972902	-0.82939	1.057364	-0.78439	0.432811	0.981636	chr17	75776038	75776661	+	0	NA	TTS (NM_	TTS (NM_	3430	NM_005324	3021	Hs.18087	NM_005324	ENSG0000	H3F3B	H3.3B	H3 histo	protein-coding
chr8-120	5.890547	0.77668	0.990348	0.784249	0.432894	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	TTS (NM_	TTS (NM_	50471	NM_01407	28998	Hs.33382	NM_01407	ENSG0000	MRPL13	L13|L13A|	mitochon	protein-coding
chr16-81	4.923905	-0.83305	1.062228	-0.78425	0.432896	0.981636	chr16	81021338	81022212	+	0	NA	intron (	AluSz|SI	-14067	NM_015251	23300	Hs.16349	NM_015251	ENSG0000	ATMIN	ASCIZ|ZN	ATM inte	protein-coding
chr3-196	11.9047	-0.54855	0.699538	-0.78417	0.432943	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	3' UTR (	3' UTR (	-39130	NM_00130	205564	Hs.24077	NM_15269	ENSG0000	SENP5	-	SUMO spe	protein-coding
chr19-191	9.221355	0.60675	0.773804	0.784113	0.432974	0.981636	chr19	19123234	19124162	+	0	NA	intron (	L1MEd|LI	14780	NM_01781	54929	Hs.63162	NM_01781	ENSG0000	TMEM161A	AROS-29	transmem	protein-coding
chr6-7347	9.221355	0.60675	0.773804	0.784113	0.432974	0.981636	chr6	73473831	73475162	+	0	NA	intron (	AluSx1|SI	12759	NM_00112	25821	Hs.347614	NM_01212	ENSG0000	MTO1	CGI-02|C	mitochon	protein-coding
chr1-801	10.60536	-0.56681	0.722933	-0.78405	0.433012	0.981636	chr1	8012649	8014740	+	0	NA	exon (NM_	exon (NM_	12615	NM_01894	54206	Hs.60544	NM_01894	ENSG0000	ERRFI1	GENE-33|	ERBB rec	protein-coding
chr15-51	10.60536	-0.56681	0.722933	-0.78405	0.433012	0.981636	chr15	51869816	51871113	+	0	NA	intron (	intron (	40811	NM_014547	29766	Hs.4998	NM_014547	ENSG0000	TMOD3	UTMOD	tropomod	protein-coding
chr2-216	10.60536	-0.56681	0.722933	-0.78405	0.433012	0.981636	chr2	2.17E+08	2.17E+08	+	0	NA	intron (	Charlie5|	7117	NM_00059	3488	Hs.60721	NM_00059	ENSG0000	IGFBP5	IBP5	insulin l	protein-coding
chr13-79	3.708691	-0.94438	1.205077	-0.78367	0.433233	0.981636	chr13	79356147	79356839	+	0	NA	intron (	MIR|SINE|	49728	NM_00128	64062	Hs.55852	NM_01860	ENSG0000	RBM26	ARRS2|C1	RNA bindi	protein-coding
chr2-610	3.708691	-0.94438	1.205077	-0.78367	0.433233	0.981636	chr2	61091602	61092357	+	0	NA	intron (	intron (	25770	NM_00133	84542	Hs.46865	NM_03250	ENSG0000	KIAA1841	-	KIAA1841	protein-coding
chr5-139	3.708691	-0.94438	1.205077	-0.78367	0.433233	0.981636	chr5	13937463	13937933	+	0	NA	intron (	intron (	6782	NM_00136	1767	Hs.21236	NM_00136	ENSG0000	DNAH5	CILD3|DN	dynein a	protein-coding
chr1-1121	8.707201	0.627851	0.801402	0.783441	0.433368	0.981636	chr1	11212225	11213553	+	0	NA	exon (NM_	exon (NM_	23534	NM_02114	10218	Hs.14655	NM_02114	ENSG0000	ANGPTL7	AngX|CDT	angiopoi	protein-coding
chr15-657	8.707201	0.627851	0.801402	0.783441	0.433368	0.981636	chr15	65716782	65718479	+	0	NA	intron (	intron (	1702	NR_03973	1.01E+08		NR_03973	ENSG0000	MIR4511	mir-4511	microRNA	ncRNA
chr2-219	8.707201	0.627851	0.801402	0.783441	0.433368	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	intron (	12906	NM_00131	23549	Hs.258551	NM_01210	ENSG0000	DNPEP	ASPEP|DA	aspartyl	protein-coding
chr19-151	6.510554	0.727968	0.929213	0.783425	0.433378	0.981636	chr19	15159878	15161103	+	0	NA	3' UTR (	3' UTR (	18860	NR_10685	1.02E+08		NR_10685	ENSG0000	MIR6795	hsa-mir-	microRNA	ncRNA
chr19-497	6.510554	0.727968	0.929213	0.783425	0.433378	0.981636	chr19	49789396	49790612	+	0	NA	intron (	intron (	-1862	NR_106857	1.02E+08		NR_106857	ENSG0000	MIR6799	hsa-mir-	microRNA	ncRNA
chr22-50	6.510554	0.727968	0.929213	0.783425	0.433378	0.981636	chr22	50225253	50226817	+	0	NA	intron (	intron (	18988	NM_020461	85378	Hs.336431	NM_020461	ENSG0000	TUBGCP6	GCP-6|GC	tubulin	protein-coding
chr9-116	6.510554	0.727968	0.929213	0.783425	0.433378	0.981636	chr9	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	10596	NM_00109	22954	Hs.59191	NM_01221	ENSG0000	TRIM32	BBS11|HT	tripartit	protein-coding
chr9-350	5.95526	0.768816	0.981414	0.783376	0.433406	0.981636	chr9	35088565	35089242	+	0	NA	3' UTR (	3' UTR (	7646	NM_001201	84720	Hs.52209	NM_032634	ENSG0000	PIGO	HPMRS2	phosphati	protein-coding
chrX-464	5.95526	0.768816	0.981414	0.783376	0.433406	0.981636	chrX	46484374	46484922	+	0	NA	Intergeni	AluY|SIN	37351	NM_00112	55634	Hs.63280	NM_01777	ENSG0000	KRBOX4	ZNF673	KRAB box	protein-coding
chr19-511	6.69857	-0.71185	0.908853	-0.78325	0.433483	0.981636	chr19	51102561	51103355	+	0	NA	intron (	intron (	5451	NM_14523	90353	Hs.14842	NM_14523	ENSG0000	CTU1	ATPBD3|N	cytosoli	protein-coding
chr1-157	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr1	15780489	15781064	+	0	NA	intron (	intron (	16277	NM_001024	54751	Hs.530101	NM_01755	ENSG0000	FBLIM1	CAL|FBLP-	filamin	protein-coding
chr1-193	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr1	19328023	19329063	+	0	NA	intron (	intron (	16217	NM_00104	54896	Hs.64762	NM_01776	ENSG0000	SLC66A1	LAAT-1|L	solute c	protein-coding
chr1-407	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr1	40757431	40760321	+	0	NA	intron (	intron (	1592	NR_02983	407031		NR_02983	ENSG0000	MIR30C1	MIRN30C1|	microRNA	ncRNA
chr1-2127	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (	FLAM_C|SI	6576	NM_00104	128387	Hs.53053	NM_00104	ENSG0000	TATDN3	-	TatD DNa	protein-coding
chr1-248	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (	intron (	6634	NM_02483	79894	Hs.521151	NM_02483	ENSG0000	ZNF672	-	zinc fin	protein-coding
chr11-87	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr11	8785644	8786250	+	0	NA	intron (	L4_B_Mam|	17169	NR_12059	1.03E+08	Hs.61327	NR_120590		LOC102724	-	uncharact	ncRNA

chr11-618	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr11	61807835	61810759	+	0	NA	intron (N	intron (N	5943	NR_031729	1E+08		NR_031729	ENSG00000	MIR1908	MIRN1908|	microRNA	ncRNA
chr11-714	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr11	71472734	71477086	+	0	NA	intron (N	LTR53|LTR	1407	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr11-130	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-22457	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr12-432	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr12	4324551	4325234	+	0	NA	intron (N	intron (N	3679	NM_020375	57103	Hs.504545	NM_020375	ENSG00000	TIGAR	C12orf5|F	TP53 indu	protein-coding
chr12-100	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	-39503	NM_001145	246213	Hs.116871	NM_139319	ENSG00000	SLC17A8	DFNA25|VG	solute ca	protein-coding
chr12-124	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	20434	NM_032656	57647	Hs.107382	NM_032656	ENSG00000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-460	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr13	46000195	46001179	+	0	NA	intron (N	Tigger1|D	52059	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr13-770	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr13	77098430	77099813	+	0	NA	intron (N	intron (N	23607	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr16-820	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr16	82094178	82096459	+	0	NA	intron (N	intron (N	60065	NM_002153	3294	Hs.162795	NM_002153	ENSG00000	HSD17B2	EDH17B2|H	hydroxyst	protein-coding
chr16-850	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr16	85076969	85078962	+	0	NA	intron (N	intron (N	14753	NM_001286	9764	Hs.301658	NM_014732	ENSG00000	KIAA0513	-	KIAA0513	protein-coding
chr19-374	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr19	37438564	37439598	+	0	NA	intron (N	AluSq|SIN	28363	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr2-2732	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr2	27326094	27327622	+	0	NA	exon (NM_	exon (NM_	-3761	NM_002437	4358	Hs.75659	NM_002437	ENSG00000	MPV17	CMT2EE|MT	mitochonc	protein-coding
chr2-4270	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr2	42703397	42704321	+	0	NA	intron (N	AluSc8|SI	60402	NM_148962	165140	Hs.168439	NM_148962	ENSG00000	OXER1	GPCR|GPR1	oxoeicosa	protein-coding
chr2-1969	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	L1ME3B|LI	8507	NM_001321	80055	Hs.229988	NM_024989	ENSG00000	PGAP1	Bst1|ISPD	post-GPI	protein-coding
chr2-2196	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr2	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	7994	NM_052902	114790	Hs.22410	NM_052902	ENSG00000	STK11IP	LIP1|LKB1	serine/th	protein-coding
chr20-348	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr20	34851312	34851995	+	0	NA	intron (N	intron (N	-17191	NR_002165	128872	Hs.558624	NR_002165		HMGB3P1	HMG4L|HMG	high mobi	pseudo
chr22-312	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr22	31263331	31266584	+	0	NA	intron (N	AluSg|SIN	16573	NM_016733	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr3-1958	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	exon (NM_	exon (NM_	-7356	NR_134939	1.02E+08	Hs.551750	NR_134939		LINC01983	-	long inte	ncRNA
chr4-4082	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr4	40821788	40823048	+	0	NA	intron (N	intron (N	34737	NM_001166	323	Hs.479602	NM_004307	ENSG00000	APBB2	FE65L|FE6	amyloid b	protein-coding
chr6-1421	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	MSTB-int|	27289	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr7-7451	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr7	74513677	74516410	+	0	NA	intron (N	AluSx1|SI	61137	NM_016328	9569	Hs.647056	NM_005685	ENSG00000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr8-1181	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr8	11811437	11812583	+	0	NA	intron (N	MamSINE1|	2866	NM_001287	2222	Hs.593928	NM_004462	ENSG00000	FDFT1	DGPT|ERG9	farnesyl-	protein-coding
chr8-2873	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr8	28738325	28738715	+	0	NA	intron (N	MER33|DNA	37019	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr9-1377	6.451849	0.718493	0.917582	0.783029	0.43361	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L1MD2|LIN	67704	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr3-1843	10.17718	-0.58548	0.748021	-0.7827	0.433802	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJb|SIN	2266	NM_001278	5437	Hs.432574	NM_006232	ENSG00000	POLR2H	RPABC3|RP	RNA polym	protein-coding
chr1-7786	9.213497	0.608566	0.777535	0.782686	0.433812	0.981636	chr1	77864048	77864310	+	0	NA	intron (N	AluSq2|SI	-24336	NM_144573	91624	Hs.612385	NM_144573	ENSG00000	NEXN	CMH20|NEX	nexilin F	protein-coding
chr2-1602	8.326243	-0.64757	0.827462	-0.7826	0.433864	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	TTS (NM_0	TTS (NM_0	137	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr1-3167	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr1	31676630	31677192	+	0	NA	intron (N	intron (N	27106	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr13-951	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr13	95180211	95180578	+	0	NA	intron (N	AluSq2|SI	-29950	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr18-353	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr18	35341732	35341931	+	0	NA	intron (N	AluJo|SIN	2589	NM_001308	7572	Hs.514802	NM_006965	ENSG00000	ZNF24	KOX17|RSC	zinc fing	protein-coding
chr20-586	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr20	58663225	58664109	+	0	NA	intron (N	intron (N	12384	NM_001134	8675	Hs.307913	NM_003763	ENSG00000	STX16	SYN16	syntaxin	protein-coding
chr4-8494	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr4	84941011	84941830	+	0	NA	intron (N	L1M5|LINE	-24196	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr4-1135	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	214774	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr4-1393	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-68651	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr5-7151	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr5	71519406	71521052	+	0	NA	intron (N	L1MA4|LIN	64578	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr5-1791	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	118947	NM_014594	30832	Hs.272328	NM_014594	ENSG00000	ZNF354C	KID3	zinc fing	protein-coding
chr9-3806	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chr9	38060785	38061506	+	0	NA	intron (N	AluJb|SIN	8082	NM_003028	6461	Hs.521482	NM_003028	ENSG00000	SHB	bA3J10.2	SH2 domai	protein-coding
chrX-1373	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chrX	13730994	13731551	+	0	NA	intron (N	intron (N	3348	NM_001011	6399	Hs.592238	NM_014563	ENSG00000	TRAPPC2	MIP2A|SED	trafficki	protein-coding
chrX-1667	6.682854	-0.70826	0.905061	-0.78255	0.433891	0.981636	chrX	16670149	16670348	+	0	NA	intron (N	MER58A|DN	20090	NM_004057	795	Hs.639	NM_004057	ENSG00000	S100G	CABP|CABP	S100 calc	protein-coding
chr6-3330	6.113695	-0.77585	0.991487	-0.78251	0.433915	0.981636	chr6	33308759	33309342	+	0	NA	intron (N	intron (N	5028	NM_172209	6892	Hs.370937	NM_003190	ENSG00000	TAPBP	NGS17|TAP	TAP bindi	protein-coding
chr16-678	6.428275	0.726177	0.928427	0.782158	0.434122	0.981636	chr16	67828452	67828911	+	0	NA	TTS (NM_0	TTS (NM_0	-13639	NM_020457	57215	Hs.632200	NM_020457	ENSG00000	THAP11	CTG-B43a|	THAP doma	protein-coding
chr18-232	6.428275	0.726177	0.928427	0.782158	0.434122	0.981636	chr18	23205684	23206517	+	0	NA	intron (N	MLT1C|LTR	50275	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr19-138	6.428275	0.726177	0.928427	0.782158	0.434122	0.981636	chr19	1388881	1389853	+	0	NA	intron (N	intron (N	5460	NM_001363	374291	Hs.211914	NM_024407	ENSG00000	NDUFS7	CI-20|CI-	NADH:ubiq	protein-coding
chr15-619	9.229213	0.604988	0.77398	0.781658	0.434416	0.981636	chr15	61964292	61964969	+	0	NA	intron (N	intron (N	95817	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr1-6637	10.5975	-0.56562	0.723663	-0.78161	0.434446	0.981636	chr1	66372196	66374081	+	0	NA	3’ UTR (N	3’ UTR (N	18603	NM_001297	5142	Hs.198072	NM_002600	ENSG00000	PDE4B	DPDE4|PDE	phosphodi	protein-coding
chr8-3901	10.5975	-0.56562	0.723663	-0.78161	0.434446	0.981636	chr8	39011835	39013962	+	0	NA	intron (N	L1PA5|LIN	5787	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr1-1560	11.92245	0.535758	0.685529	0.781524	0.434494	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-15982	NM_003145	6746	Hs.74564	NM_003145	ENSG00000	SSR2	HSD25|TLA	signal se	protein-coding
chr19-264	11.92245	0.535758	0.685529	0.781524	0.434494	0.981636	chr19	26437272	26438043	+	0	NA	Intergeni	ALR/Alpha	-1355774	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr16-894	8.30082	-0.65412	0.837091	-0.78142	0.434557	0.981636	chr16	89498784	89499010	+	0	NA	Intergeni	L2a|LINE|	-8336	NR_045839	29123	Hs.335003	NM_013275	ENSG00000	ANKRD11	ANCO-1|AN	ankyrin r	protein-coding
chr7-1348	10.16932	-0.58422	0.747825	-0.78123	0.434666	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	(TCTT)n|S	42321	NM_033138	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr12-437	6.471264	0.741369	0.949052	0.781168	0.434704	0.981636	chr12	43784418	43784796	+	0	NA	intron (N	intron (N	21710	NM_001242	5756	Hs.189075	NM_002822	ENSG00000	TWF1	A6|PTK9	twinfilin	protein-coding
chr1-2147	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr1	21475286	21475607	+	0	NA	intron (N	L1P2|LINE	-33538	NM_001369	249	Hs.75431	NM_000478	ENSG00000	ALPL	AP-TNAP|A	alkaline	protein-coding
chr11-586	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr11	58623824	58624647	+	0	NA	non-codin	non-codin	1570	NM_000614	1270	Hs.524920	NM_000614	ENSG00000	CNTF	HCNTF	ciliary n	protein-coding
chr19-580	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr19	58001200	58001559	+	0	NA	intron (N	intron (N	1441	NM_001348	80095	Hs.654967	NM_025027	ENSG00000	ZNF606	ZNF328	zinc fing	protein-coding
chr2-2610	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr2	26103783	26104067	+	0	NA	intron (N	L1MB8|LIN	-69163	NM_001168	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 asso	protein-coding
chr2-1118	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	6367	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr4-1288	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	(GATT)n|S	40080	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr5-1392	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	2189	NR_002915	26821	Hs.684893	NR_002915	ENSG00000	SNORA74A	RNU19|U19	small nuc	snoRNA
chr6-3326	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr6	33262234	33262872	+	0	NA	intron (N	L1MA1|LIN	9323	NM_022553	6293	Hs.480356	NM_022553	ENSG00000	VPS52	ARE1|SAC2	VPS52 sub	protein-coding
chr7-9392	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr7	93925427	93926133	+	0	NA	intron (N	intron (N	4045	NM_004126	2791	Hs.83381	NM_004126	ENSG00000	GNG11	GNGT11	G protein	protein-coding
chr7-1236	6.641715	-0.71242	0.91204	-0.78113	0.434727	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSp|SIN	32579	NM_207163	442721	Hs.592260	NM_207163	ENSG00000	LMOD2	C-LMOD|CL	leiomodin	protein-coding
chr20-270	18.41581	0.442781	0.567024	0.780886	0.434869	0.981636	chr20	27054773	27055564	+	0	NA	Intergeni	ALR/Alpha	-845935	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1489	11.93031	0.534396	0.684468	0.780747	0.434952	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	15485	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr19-100	2.469903	-1.16054	1.486915	-0.7805	0.435097	0.981636	chr19	1006928	1007480	+	0	NA	intron (N	intron (N	6785	NM_138690	116444	Hs.660378	NM_138690	ENSG00000	GRIN3B	GluN3B|NR	glutamate	protein-coding
chr2-2162	8.384949	-0.63646	0.815635	-0.78032	0.435201	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-14686	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr2-2172	8.384949	-0.63646	0.815635	-0.78032	0.435201	0.981636	chr2	2.17E+08	2.17E+08	+	0	NA	intron (N	L1MEg|LIN	14275	NR_133642	1.05E+08		NR_133642		DIRC3-AS1	-	DIRC3 ant	ncRNA
chr9-1004	8.384949	-0.63646	0.815635	-0.78032	0.435201	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	intron (N	4522	NM_001198	1.01E+08	Hs.598100	NM_001198812		MSANTD3-T	C9orf2|C9	MSANTD3-T	protein-coding
chr13-951	9.195931	0.60238	0.772048	0.780237	0.435251	0.981636	chr13	95116866	95117480	+	0	NA	intron (N	intron (N	-93171	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr2-2298	9.195931	0.60238	0.772048	0.780237	0.435251	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-103393	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr9-1222	9.195931	0.60238	0.772048	0.780237	0.435251	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-15684	NM_014368	26468	Hs.103137	NM_014368	ENSG00000	LHX6	LHX6.1	LIM homec	protein-coding
chr20-265	21.08177	0.418422	0.536711	0.779604	0.435624	0.981636	chr20	26507302	26508236	+	0	NA	Intergeni	ALR/Alpha	-298536	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-6133	4.865199	-0.85308	1.094345	-0.77954	0.435664	0.981636	chr5	61335432	61335956	+	0	NA	intron (N	intron (N	3436	NM_020928	57688	Hs.744939	NM_020928	ENSG00000	ZSWIM6	AFND|NEDM	zinc fing	protein-coding
chr12-292	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr12	2920759	2920973	+	0	NA	exon (NM_	exon (NM_	29975	NM_001160	7289	Hs.655333	NM_003324	ENSG00000	TULP3	TUBL3	TUB like	protein-coding
chr2-3712	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr2	37122058	37122300	+	0	NA	intron (N	intron (N	25643	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr22-194	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr22	19443831	19444190	+	0	NA	3’ UTR (N	3’ UTR (N	4222	NM_001166	128977	Hs.659565	NM_173793	ENSG00000	C22orf39	-	chromosom	protein-coding
chr4-5586	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr4	55868519	55869082	+	0	NA	intron (N	intron (N	15150	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr5-1127	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	29482	NM_001354	324	Hs.158932	NM_000038	ENSG00000	APC	BTPS2|DP2	APC regul	protein-coding
chr8-9140	8.63278	0.624303	0.801093	0.779314	0.435795	0.981636	chr8	9140143	9140688	+	0	NA	3’ UTR (N	3’ UTR (N	10243	NM_024607	79660	Hs.458513	NM_024607	ENSG00000	PPP1R3B	GL|PPP1R4	protein p	protein-coding
chr10-778	4.726365	0.828324	1.063148	0.779124	0.435907	0.981636	chr10	77840073	77840805	+	0	NA	intron (N	intron (N	86316	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr13-500	6.565444	-0.73727	0.946318	-0.7791	0.435924	0.981636	chr13	50042634	50042941	+	0	NA	TTS (NR_1	TTS (NR_1	6274	NR_029486	406950		NR_029486	ENSG00000	MIR16-1	MIRN16-1|	microRNA	ncRNA
chr10-270	5.888697	0.76147	0.977415	0.779065	0.435941	0.981636	chr10	27081155	27081997	+	0	NA	intron (N	intron (N	18922	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr4-2667	8.351667	-0.6412	0.823059	-0.77904	0.435954	0.981636	chr4	26673603	26673876	+	0	NA	intron (N	intron (N	89655	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr5-5305	8.640638	0.622434	0.799097	0.778921	0.436026	0.981636	chr5	53053647	53054055	+	0	NA	intron (N	L2c|LINE|	55906	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr6-1272	8.640638	0.622434	0.799097	0.778921	0.436026	0.981636	chr6	1.27E+08	1.27E+08	+	0	NA	intron (N	MIRc|SINE	19408	NM_030963	81847	Hs.267120	NM_030963	ENSG00000	RNF146	-	ring fing	protein-coding
chr2-9776	6.48513	0.721895	0.92696	0.778777	0.436111	0.981636	chr2	97760276	97761858	+	0	NA	intron (N	intron (N	26661	NM_207519	7535	Hs.234569	NM_001079	ENSG00000	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr17-374	8.426088	-0.63321	0.813383	-0.77849	0.436279	0.981636	chr17	37441658	37441953	+	0	NA	intron (N	AluSx3|SI	34580	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr17-400	8.426088	-0.63321	0.813383	-0.77849	0.436279	0.981636	chr17	40033017	40033222	+	0	NA	exon (NM_	exon (NM_	-5474	NR_102369	1.01E+08		NR_102369	ENSG00000	SNORD124	-	small nuc	snoRNA
chr12-113	3.667551	-0.95276	1.223915	-0.77845	0.436304	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	promoter-	promoter-	-798	NR_106956	1.02E+08		NR_106956	ENSG00000	MIR7106	hsa-mir-7	microRNA	ncRNA
chr10-255	3.700833	-0.94122	1.209348	-0.77828	0.436402	0.981636	chr10	255353	256366	+	0	NA	Intergeni	Intergeni	75865	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr3-1082	3.700833	-0.94122	1.209348	-0.77828	0.436402	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	(AT)n|Sim	16546	NM_018010	55081	Hs.412196	NM_018010	ENSG00000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr7-6467	3.700833	-0.94122	1.209348	-0.77828	0.436402	0.981636	chr7	64671812	64672588	+	0	NA	intron (N	L1PA15|LI	6067	NM_016220	51427	Hs.50216	NM_016220	ENSG00000	ZNF107	Y8|ZFD25|	zinc fing	protein-coding
chrX-1236	3.700833	-0.94122	1.209348	-0.77828	0.436402	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	49571	NM_001081	57187	Hs.149991	NM_020449	ENSG00000	THOC2	CXorf3|MF	THO compl	protein-coding
chr16-463	7.109734	0.72456	0.93107	0.778201	0.436451	0.981636	chr16	4634711	4634919	+	0	NA	intron (N	intron (N	9989	NM_015246	23295	Hs.526494	NM_015246	ENSG00000	MGRN1	RNF156	mahogunin	protein-coding
chr1-1657	14.23466	0.50826	0.653386	0.777887	0.436636	0.981636	chr1	16575316	16575820	+	0	NA	intron (N	intron (N	26654	NR_037446	1.01E+08		NR_037446	ENSG00000	MIR3675	-	microRNA	ncRNA
chr1-1093	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MB4|LIN	-33245	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-1508	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	SVA_C|Ret	24822	NM_001286	405	Hs.632446	NM_001668	ENSG00000	ARNT	HIF-1-bet	aryl hydr	protein-coding
chr1-2201	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluJr|SIN	18588	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr15-430	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr15	43028820	43029942	+	0	NA	intron (N	LTR16B2|L	76657	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr17-375	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr17	37518215	37518945	+	0	NA	3’ UTR (N	3’ UTR (N	28689	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr2-3652	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr2	36520002	36521348	+	0	NA	intron (N	intron (N	77493	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr6-1580	9.203789	0.600623	0.772223	0.777784	0.436697	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	66786	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr12-987	10.91171	0.567345	0.72953	0.777685	0.436754	0.981636	chr12	98709392	98709801	+	0	NA	intron (N	intron (N	64296	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-126	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr12	12643161	12643463	+	0	NA	3’ UTR (N	3’ UTR (N	31436	NM_001310	1389	Hs.591156	NM_001310	ENSG00000	CREBL2	-	cAMP resp	protein-coding
chr16-816	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr16	81670987	81671365	+	0	NA	intron (N	intron (N	5822	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr17-495	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr17	4959286	4959906	+	0	NA	exon (NM_	exon (NM_	8221	NM_004890	9552	Hs.90436	NM_004890	ENSG00000	SPAG7	ACRP|FSA-	sperm ass	protein-coding
chr17-786	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr17	78687808	78688711	+	0	NA	intron (N	Charlie3|	28773	NM_001292	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr2-1123	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MEd|LIN	58445	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr2-2178	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	-32830	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr2-2358	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr2	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-283536	NR_146582	27321		NR_146582		TNRC17	CAGL234	trinuclec	ncRNA
chr20-249	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr20	24980392	24981497	+	0	NA	intron (N	intron (N	11807	NM_020531	57136	Hs.472330	NM_020531	ENSG00000	APMAP	BSCv|C20o	adipocyte	protein-coding
chr4-1836	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	Charlie1|	16538	NM_152682	201965	Hs.133337	NM_152682	ENSG00000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr8-3783	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr8	37833530	37834437	+	0	NA	exon (NM_	exon (NM_	15878	NM_018310	55290	Hs.709301	NM_018310	ENSG00000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr8-4234	6.418567	0.715011	0.919492	0.777615	0.436796	0.981636	chr8	42346648	42347290	+	0	NA	intron (N	intron (N	8475	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr10-680	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr10	68008078	68008899	+	0	NA	intron (N	LTR8B|LTR	2395	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr18-367	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr18	36740825	36741052	+	0	NA	intron (N	intron (N	-77520	NR_132982	1.05E+08		NR_132982		LOC105372	-	uncharact	ncRNA
chr19-106	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr19	10657066	10657913	+	0	NA	intron (N	intron (N	3143	NM_004516	3609	Hs.465885	NM_004516	ENSG00000	ILF3	CBTF|DRBF	interleuk	protein-coding
chr4-8680	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr4	86805769	86806634	+	0	NA	intron (N	intron (N	43183	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-1280	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	21476	NM_032239	55132	Hs.654971	NM_018078	ENSG00000	LARP1B	LARP2	La ribonu	protein-coding
chr5-7093	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr5	70939268	70939749	+	0	NA	intron (N	intron (N	14567	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr8-2629	6.674996	-0.70636	0.908522	-0.77749	0.436872	0.981636	chr8	26294146	26295004	+	0	NA	intron (N	intron (N	1359	NM_001177	5520	Hs.146339	NM_002717	ENSG00000	PPP2R2A	B55A|B55A	protein p	protein-coding
chr1-2868	6.410709	0.717538	0.92313	0.777287	0.436989	0.981636	chr1	28684214	28684531	+	0	NA	intron (N	AluY|SINE	15588	NM_006582	10691	Hs.632373	NM_006582	ENSG00000	GMEB1	P96PIF|PI	glucocort	protein-coding
chr10-294	6.410709	0.717538	0.92313	0.777287	0.436989	0.981636	chr10	29497556	29498082	+	0	NA	intron (N	AluSx|SIN	47278	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|M	microRNA	ncRNA
chr13-407	6.410709	0.717538	0.92313	0.777287	0.436989	0.981636	chr13	40756109	40757036	+	0	NA	intron (N	intron (N	14618	NM_005830	10240	Hs.596607	NM_005830	ENSG00000	MRPS31	IMOGN38|M	mitochonc	protein-coding

chr17-383	6.410709	0.717538	0.92313	0.777287	0.436989	0.981636	chr17	38399447	38400431	+	0	NA	3’ UTR (N	3’ UTR (N	-28525	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr2-1178	6.410709	0.717538	0.92313	0.777287	0.436989	0.981636	chr2	11788919	11789475	+	0	NA	intron (N	intron (N	21753	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr2-1772	10.12032	-0.58555	0.753412	-0.77719	0.437044	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	non-codir	non-codir	8036	NR_138470	220988	Hs.516539	NM_194247	ENSG00000	HNRNPA3	2610510D1	heteroger	protein-coding
chr2-3326	10.58964	-0.56442	0.726275	-0.77714	0.437075	0.981636	chr2	33262804	33267122	+	0	NA	intron (N	MLT2B1|LT	130366	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr3-1972	10.58964	-0.56442	0.726275	-0.77714	0.437075	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	MLT1A1|LT	12601	NR_039960	1.01E+08		NR_039960	ENSG00000	MIR4797	-	microRNA	ncRNA
chr1-1247	11.93816	0.533042	0.685965	0.777069	0.437118	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3248669	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-400	10.63078	-0.56195	0.723546	-0.77666	0.437357	0.981636	chr15	40000936	40001841	+	0	NA	intron (N	Charlie4z	37793	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr20-199	10.63078	-0.56195	0.723546	-0.77666	0.437357	0.981636	chr20	19965756	19965955	+	0	NA	intron (N	AluSx1|SI	-51435	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr2-1000	10.08704	-0.58947	0.759191	-0.77644	0.437488	0.981636	chr2	1E+08	1E+08	+	0	NA	intron (N	L1M4|LINE	17664	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr16-475	8.210613	0.658192	0.847948	0.776217	0.437621	0.981636	chr16	47505048	47505520	+	0	NA	intron (N	LSU-rRNA_	43953	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr1-9869	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr1	9869008	9870385	+	0	NA	intron (N	intron (N	40573	NM_020248	56998	Hs.463759	NM_020248	ENSG00000	CTNNBIP1	ICAT	catenin b	protein-coding
chr16-397	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr16	3978509	3979481	+	0	NA	intron (N	AluSc|SIN	-28551	NR_120311	1.03E+08	Hs.364739	NR_120311	ENSG00000	LOC102724	-	uncharact	ncRNA
chr19-505	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr19	5052049	5052840	+	0	NA	intron (N	intron (N	83331	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-4782	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr2	47829654	47830442	+	0	NA	intron (N	intron (N	46093	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homc	protein-coding
chr2-9334	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr2	93340659	93342363	+	0	NA	Intergeni	ALR/Alpha	866908	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr21-332	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr21	33253679	33254969	+	0	NA	intron (N	MER4D1|LT	11936	NR_038974	1E+08	Hs.709795	NR_038974		IL10RB-DT	IFNAR2-AS	IL10RB di	ncRNA
chr4-5265	4.734223	0.824827	1.062985	0.775954	0.437776	0.981636	chr4	526506	528764	+	0	NA	intron (N	intron (N	28425	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr1-1541	6.1724	-0.75969	0.97923	-0.7758	0.437865	0.981636	chr1	1541106	1541383	+	0	NA	promoter-	promoter-	-620	NM_001114	339453	Hs.668654	NM_001114	ENSG00000	TMEM240	C1orf70|S	transmemb	protein-coding
chr12-928	8.681778	0.623205	0.803466	0.775646	0.437958	0.981636	chr12	92895779	92896244	+	0	NA	intron (N	AluSc|SIN	33284	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr22-199	8.681778	0.623205	0.803466	0.775646	0.437958	0.981636	chr22	19913416	19915564	+	0	NA	intron (N	L1MB8|LIN	18063	NM_001352	10587	Hs.443430	NM_006440	ENSG00000	TXNRD2	GCCD5|SEL	thioredox	protein-coding
chr15-399	6.608433	-0.71857	0.926675	-0.77543	0.438087	0.981636	chr15	39959784	39959987	+	0	NA	intron (N	AluY|SINE	25770	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr3-4910	6.608433	-0.71857	0.926675	-0.77543	0.438087	0.981636	chr3	49108274	49108552	+	0	NA	TTS (NM_C	TTS (NM_C	-3656	NM_001272	5859	Hs.79322	NM_005051	ENSG00000	QARS	GLNRS|MSC	glutaminy	protein-coding
chr3-6908	6.608433	-0.71857	0.926675	-0.77543	0.438087	0.981636	chr3	69087251	69087450	+	0	NA	intron (N	intron (N	2413	NM_006407	10550	Hs.518060	NM_006407	ENSG00000	ARL6IP5	DERP11|GT	ADP ribos	protein-coding
chr10-425	9.237071	0.603241	0.778067	0.775307	0.438158	0.981636	chr10	42520355	42521911	+	0	NA	intron (N	intron (N	31737	NR_026777	1E+08	Hs.278064	NR_026777	ENSG00000	ZNF37BP	KOX21|ZNF	zinc fing	pseudo
chr2-4264	9.237071	0.603241	0.778067	0.775307	0.438158	0.981636	chr2	42643723	42646854	+	0	NA	intron (N	AluSz|SIN	76656	NM_001330	57504	Hs.435413	NM_020744	ENSG00000	MTA3	-	metastasi	protein-coding
chr3-1839	9.237071	0.603241	0.778067	0.775307	0.438158	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	58563	NR_039650	1.01E+08		NR_039650	ENSG00000	MIR4448	-	microRNA	ncRNA
chr6-1514	6.58301	-0.72687	0.937657	-0.77519	0.438225	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-13446	NM_020861	57621	Hs.520073	NM_020861	ENSG00000	ZBTB2	ZNF437	zinc fing	protein-coding
chr1-1442	8.869979	-0.61074	0.788039	-0.77501	0.438331	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	L1MEc|LIN	6984	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr17-307	8.869979	-0.61074	0.788039	-0.77501	0.438331	0.981636	chr17	30764901	30765249	+	0	NA	intron (N	AluSp|SIN	55467	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr2-1883	8.869979	-0.61074	0.788039	-0.77501	0.438331	0.981636	chr2	1.88E+08	1.88E+08	+	0	NA	intron (N	THE1B-int	87914	NR_030287	693146		NR_030287	ENSG00000	MIR561	MIRN561|h	microRNA	ncRNA
chr11-654	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr11	65434443	65436017	+	0	NA	non-codir	non-codir	-9228	NR_030343	693197		NR_030343	ENSG00000	MIR612	MIRN612|h	microRNA	ncRNA
chr16-339	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr16	3398409	3399205	+	0	NA	intron (N	intron (N	2197	NM_001284	54925	Hs.592078	NM_017810	ENSG00000	ZSCAN32	HCCS-5|ZN	zinc fing	protein-coding
chr2-1344	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	169055	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr22-279	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr22	27908474	27911226	+	0	NA	intron (N	AluJo|SIN	9364	NM_001284	23760	Hs.705323	NM_012399	ENSG00000	PITPNB	PI-TP-bet	phosphati	protein-coding
chr7-8400	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr7	84004777	84006094	+	0	NA	exon (NM_	exon (NM_	189354	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr9-2716	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr9	27168571	27170978	+	0	NA	intron (N	intron (N	60633	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GL	TEK recep	protein-coding
chr9-1347	8.862121	-0.60932	0.786663	-0.77457	0.438596	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	87182	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-1863	8.648496	0.620507	0.801417	0.774263	0.438775	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	31445	NM_001127	10216	Hs.647723	NM_005807	ENSG00000	PRG4	CACP|HAPO	proteogly	protein-coding
chr21-448	9.170508	0.598027	0.772678	0.773967	0.43895	0.981636	chr21	44854138	44855927	+	0	NA	intron (N	intron (N	18658	NM_004339	754	Hs.474010	NM_004339	ENSG00000	PTTG1IP	C21orf1|C	PTTG1 int	protein-coding
chr3-4597	9.170508	0.598027	0.772678	0.773967	0.43895	0.981636	chr3	45979303	45980593	+	0	NA	intron (N	intron (N	15876	NM_024513	79443	Hs.200227	NM_024513	ENSG00000	FYCO1	CATC2|CTF	FYVE and	protein-coding
chr8-1441	9.170508	0.598027	0.772678	0.773967	0.43895	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	promoter-	promoter-	-902	NM_001316	340390	Hs.98723	NM_032529	ENSG00000	WDR97	KIAA1875	WD repeat	protein-coding
chr11-523	24.69977	0.388646	0.502233	0.773835	0.439028	0.981636	chr11	52320907	52321152	+	0	NA	Intergeni	ALR/Alpha	1911882	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr12-277	8.82884	-0.61383	0.793708	-0.77337	0.439305	0.981636	chr12	27791730	27793381	+	0	NA	intron (N	AluSx|SIN	12322	NM_020782	57542	Hs.505104	NM_020782	ENSG00000	KLHL42	Ctb9|KLHD	kelch lik	protein-coding
chr11-524	4.718507	0.831948	1.075884	0.773269	0.439363	0.981636	chr11	52414247	52415191	+	0	NA	Intergeni	ALR/Alpha	2005572	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-100	6.991426	0.689096	0.891251	0.773179	0.439416	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-12640	NR_002954	677800	Hs.662165	NR_002954	ENSG00000	SNORA12	U108	small nuc	snoRNA
chr5-1574	6.991426	0.689096	0.891251	0.773179	0.439416	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-21666	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr9-6863	7.007142	0.684285	0.885215	0.773015	0.439513	0.981636	chr9	6863467	6864087	+	0	NA	intron (N	AluY|SINE	106427	NR_130707	23081	Hs.709425	NM_015061	ENSG00000	KDM4C	GASC1|JHD	lysine de	protein-coding
chr15-407	7.882353	-0.67315	0.870827	-0.773	0.439522	0.981636	chr15	40744605	40744861	+	0	NA	intron (N	intron (N	10521	NM_018145	55177	Hs.511067	NM_018145	ENSG00000	RMDN3	FAM82A2|F	regulator	protein-coding
chr1-1682	6.97386	0.680961	0.881216	0.772752	0.439669	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	promoter-	promoter-	68	NR_026844	84832	Hs.537067	NR_026844	ENSG00000	ANKRD36BP	ANKRD26L1	ankyrin r	pseudo
chr11-613	6.97386	0.680961	0.881216	0.772752	0.439669	0.981636	chr11	61350681	61350945	+	0	NA	intron (N	intron (N	6501	NM_001161	220002	Hs.22546	NM_153611	ENSG00000	CYB561A3	CYBASC3|L	cytochrom	protein-coding
chr9-9769	6.97386	0.680961	0.881216	0.772752	0.439669	0.981636	chr9	97690602	97692634	+	0	NA	intron (N	AluSq|SIN	5791	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr11-958	10.15361	-0.58156	0.753461	-0.77185	0.440203	0.981636	chr11	95835166	95835397	+	0	NA	3’ UTR (N	3’ UTR (N	44783	NM_014679	9702	Hs.101014	NM_014679	ENSG00000	CEP57	MVA2|PIG8	centrosom	protein-coding
chr19-975	11.91274	0.529593	0.68614	0.771844	0.440207	0.981636	chr19	9756975	9765566	+	0	NA	intron (N	intron (N	7468	NM_001077	162993	Hs.665717	NM_001077	ENSG00000	ZNF846	-	zinc fing	protein-coding
chr19-372	11.91274	0.529593	0.68614	0.771844	0.440207	0.981636	chr19	37224577	37245940	+	0	NA	intron (N	AluSq2|SI	8794	NM_152604	163087	Hs.590975	NM_152604	ENSG00000	ZNF383	HSD17	zinc fing	protein-coding
chr5-3239	8.854263	-0.60792	0.787683	-0.77178	0.440243	0.981636	chr5	32392477	32395148	+	0	NA	TTS (NR_C	TTS (NR_C	663	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr6-5718	8.854263	-0.60792	0.787683	-0.77178	0.440243	0.981636	chr6	57183802	57185794	+	0	NA	3’ UTR (N	3’ UTR (N	12472	NM_004282	9532	Hs.745046	NM_004282	ENSG00000	BAG2	BAG-2|dJ4	BCL2 assc	protein-coding
chr1-2252	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr1	22524424	22524856	+	0	NA	intron (N	intron (N	-38849	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr1-1983	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr1	1.98E+08	1.98E+08	+	0	NA	intron (N	L1PA3|LIN	152794	NM_133494	140609	Hs.24119	NM_133494	ENSG00000	NEK7	-	NIMA rela	protein-coding
chr10-149	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr10	14922283	14922545	+	0	NA	intron (N	AluSz6|SI	31682	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-410	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr10	41007734	41008350	+	0	NA	Intergeni	ALR/Alpha	1360003	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-586	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr10	58687130	58687489	+	0	NA	intron (N	L1PA5|LIN	-27706	NR_027508	728640	Hs.729209	NR_027508		FAM133CP	-	family wi	pseudo
chr11-902	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr11	902840	903672	+	0	NA	intron (N	intron (N	7554	NM_001142	66005	Hs.144468	NM_023947	ENSG00000	CHID1	GL008|SI-	chitinase	protein-coding
chr15-405	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr15	40550204	40551796	+	0	NA	intron (N	intron (N	14042	NM_001080	90416	Hs.654661	NM_052849	ENSG00000	CCDC32	C15orf57	coiled-cc	protein-coding
chr19-375	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr19	3751010	3751672	+	0	NA	TTS (NM_C	TTS (NM_C	10351	NM_004886	9546	Hs.25527	NM_004886	ENSG00000	APBA3	MGC:15815	amyloid b	protein-coding
chr22-254	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr22	25459934	25460920	+	0	NA	intron (N	MER1B|DNA	4781	NR_106875	1.02E+08		NR_106875	ENSG00000	MIR6817	hsa-mir-6	microRNA	ncRNA
chr22-439	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr22	43978007	43979796	+	0	NA	intron (N	intron (N	-20310	NM_001003	29780	Hs.475074	NM_013327	ENSG00000	PARVB	CGI-56	parvin be	protein-coding
chr6-1509	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	MSTA|LTR|	53208	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-9220	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr7	92204254	92205369	+	0	NA	promoter-	promoter-	-713	NR_031616	1E+08		NR_031616	ENSG00000	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr8-9504	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr8	95048698	95049694	+	0	NA	intron (N	intron (N	-23718	NR_036105	1E+08		NR_036105	ENSG00000	MIR3150A	MIR3150|m	microRNA	ncRNA
chr8-1279	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	-11642	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr9-7012	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr9	7012010	7012209	+	0	NA	intron (N	AluJr4|SI	254759	NR_130707	23081	Hs.709425	NM_015061	ENSG00000	KDM4C	GASC1|JHD	lysine de	protein-coding
chr9-1249	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	27275	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chrX-7124	6.426425	0.712392	0.923233	0.771627	0.440335	0.981636	chrX	71246924	71247681	+	0	NA	intron (N	intron (N	6838	NM_201599	9203	Hs.522684	NM_005096	ENSG00000	ZMYM3	DXS6673E|	zinc fing	protein-coding
chr1-1554	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	4994	NR_034180	645682	Hs.632482	NR_034180	ENSG00000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr1-1603	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	11275	NM_015331	23385	Hs.517249	NM_015331	ENSG00000	NCSTN	ATAG1874	nicastrin	protein-coding
chr11-577	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr11	57738964	57739403	+	0	NA	exon (NM_	exon (NM_	-2067	NM_001321	280636	Hs.655373	NM_170746	ENSG00000	SELENOH	C11orf31|	selenopro	protein-coding
chr21-269	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr21	26930575	26933960	+	0	NA	intron (N	intron (N	-21694	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr4-2538	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr4	25381288	25382158	+	0	NA	intron (N	AluSg7|SI	4460	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr6-3188	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr6	31886373	31888145	+	0	NA	intron (N	L2b|LINE|	-8213	NM_001178	80736	Hs.335355	NM_025257	ENSG00000	SLC44A4	C6orf29|C	solute ca	protein-coding
chr9-3637	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr9	36374553	36375734	+	0	NA	intron (N	intron (N	25126	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr9-1088	9.178366	0.596266	0.772854	0.771513	0.440403	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	16469	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr15-844	9.211647	0.598857	0.776305	0.771419	0.440458	0.981636	chr15	84411580	84411779	+	0	NA	Intergeni	(GT)n|Sim	-10840	NR_120379	1.03E+08	Hs.694638	NR_120379	ENSG00000	LOC103171	-	uncharact	ncRNA
chr13-450	8.377091	-0.63485	0.823504	-0.77091	0.440762	0.981636	chr13	45015389	45016240	+	0	NA	intron (N	MIRb|SINE	26276	NM_018559	55425	Hs.731811	NM_018559	ENSG00000	GPALPP1	AD029|KIA	GPALPP mc	protein-coding
chr1-1459	6.459706	0.715799	0.928646	0.770799	0.440826	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-6000	NM_005105	9939	Hs.591455	NM_005105	ENSG00000	RBM8A	BOV-1A|BC	RNA bindi	protein-coding
chr12-109	6.459706	0.715799	0.928646	0.770799	0.440826	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-22084	NM_021625	59341	Hs.506713	NM_021625	ENSG00000	TRPV4	BCYM3|CMT	transient	protein-coding
chr16-683	6.459706	0.715799	0.928646	0.770799	0.440826	0.981636	chr16	68348013	68349921	+	0	NA	intron (N	intron (N	37853	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr16-895	6.459706	0.715799	0.928646	0.770799	0.440826	0.981636	chr16	89540509	89542273	+	0	NA	intron (N	L1MD2|LIN	-19266	NM_001243	6137	Hs.410817	NM_000977	ENSG00000	RPL13	BBC1|D16S	ribosomal	protein-coding
chr17-640	6.459706	0.715799	0.928646	0.770799	0.440826	0.981636	chr17	64043532	64044886	+	0	NA	intron (N	intron (N	-23575	NM_001099	3384	Hs.431460	NM_000873	ENSG00000	ICAM2	CD102	intercell	protein-coding
chr3-1837	8.803416	-0.61998	0.804603	-0.77054	0.440978	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	41861	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr10-415	38.22051	0.341143	0.442774	0.770468	0.441022	0.981636	chr10	41564623	41564955	+	0	NA	Intergeni	ALR/Alpha	803256	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-111	6.966002	0.683368	0.887318	0.77015	0.441211	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	11164	NM_001352	79796	Hs.745155	NM_024740	ENSG00000	ALG9	CDG1L|DIE	ALG9 alph	protein-coding
chr11-637	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr11	63750146	63751907	+	0	NA	intron (N	AluY|SINE	17749	NM_001144	65998	Hs.191073	NM_001144	ENSG00000	C11orf95	-	chromosom	protein-coding
chr14-756	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr14	75669338	75669896	+	0	NA	intron (N	intron (N	8371	NM_015072	23093	Hs.709609	NM_015072	ENSG00000	TTLL5	CORD19|KI	tubulin t	protein-coding
chr14-105	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	-22517	NR_073082	1397	Hs.534309	NM_001312	ENSG00000	CRIP2	CRIP|CRP2	cysteine	protein-coding
chr19-119	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr19	11943865	11945400	+	0	NA	intron (N	HERVE-int	19525	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr2-2186	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	12904	NM_001369	27148	Hs.471404	NM_015690	ENSG00000	STK36	FU	serine/th	protein-coding
chr4-3087	6.981718	0.678629	0.881305	0.770027	0.441284	0.981636	chr4	3087446	3088459	+	0	NA	intron (N	AluSp|SIN	13271	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr5-1482	5.408935	-0.7708	1.001291	-0.7698	0.441417	0.981636	chr5	1482948	1483980	+	0	NA	exon (NM_	exon (NM_	27392	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr14-999	10.61506	-0.55952	0.726889	-0.76975	0.441448	0.981636	chr14	99911886	99912449	+	0	NA	intron (N	AluJb|SIN	-59255	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr9-1284	8.715059	0.625839	0.813058	0.769735	0.441457	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	4694	NM_016174	51148	Hs.495230	NM_016174	ENSG00000	CERCAM	CEECAM1|C	cerebral	protein-coding
chr6-4225	6.633857	-0.71046	0.923268	-0.76951	0.441593	0.981636	chr6	42258081	42258498	+	0	NA	intron (N	intron (N	-40428	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochonc	protein-coding
chr1-7728	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr1	77287067	77287831	+	0	NA	intron (N	intron (N	4362	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr11-481	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr11	48149602	48151151	+	0	NA	intron (N	LTR18A|LT	53594	NR_036119	1E+08		NR_036119	ENSG00000	MIR3161	-	microRNA	ncRNA
chr12-717	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr12	71773317	71774422	+	0	NA	intron (N	intron (N	19006	NM_014999	23011	Hs.524590	NM_014999	ENSG00000	RAB21	-	RAB21, me	protein-coding
chr18-622	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr18	62232512	62233422	+	0	NA	intron (N	intron (N	45712	NR_144412	57614	Hs.465323	NM_020854	ENSG00000	RELCH	HsT3308|H	RAB11 bir	protein-coding
chr2-1113	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	3903	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr3-4761	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr3	47615625	47616165	+	0	NA	intron (N	AluSq2|SI	-35655	NM_001206	10675	Hs.45127	NM_006574	ENSG00000	CSPG5	NGC	chondroit	protein-coding
chr5-1135	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	12150	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-8549	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr6	85492165	85494430	+	0	NA	intron (N	intron (N	43214	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nuclec	protein-coding
chr7-3049	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr7	30496595	30498768	+	0	NA	intron (N	intron (N	7148	NM_001199	79017	Hs.530024	NM_024051	ENSG00000	GGCT	C7orf24|C	gamma-glu	protein-coding
chr8-3806	5.401077	-0.76855	0.998868	-0.76942	0.441643	0.981636	chr8	38061266	38061928	+	0	NA	Intergeni	AluJr|SIN	31063	NM_004095	1978	Hs.411641	NM_004095	ENSG00000	EIF4EBP1	4E-BP1|4E	eukaryoti	protein-coding
chr11-680	5.929837	0.761958	0.990412	0.769335	0.441694	0.981636	chr11	68051596	68051816	+	0	NA	TTS (NM_C	TTS (NM_C	6912	NR_106811	1.02E+08		NR_106811	ENSG00000	MIR6753	hsa-mir-6	microRNA	ncRNA
chr1-2679	4.700942	0.820355	1.066357	0.769306	0.441712	0.981636	chr1	26792301	26793061	+	0	NA	intron (N	L2|LINE|L	4493	NM_001202	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr19-577	4.700942	0.820355	1.066357	0.769306	0.441712	0.981636	chr19	57763026	57764507	+	0	NA	Intergeni	AluY|SINE	-5886	NM_001204	54807	Hs.625133	NM_017652	ENSG00000	ZNF586	-	zinc fing	protein-coding
chr2-6115	4.700942	0.820355	1.066357	0.769306	0.441712	0.981636	chr2	61150837	61151670	+	0	NA	intron (N	AluSg4|SI	6137	NM_001367	339804	Hs.140617	NM_001143	ENSG00000	C2orf74	-	chromosom	protein-coding
chr21-332	4.700942	0.820355	1.066357	0.769306	0.441712	0.981636	chr21	33291095	33291781	+	0	NA	intron (N	AluSx1|SI	25071	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr8-3295	4.700942	0.820355	1.066357	0.769306	0.441712	0.981636	chr8	32951483	32952261	+	0	NA	Intergeni	ERV3-16A3	230037	NM_001322	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr1-1569	8.895403	-0.60492	0.786409	-0.76922	0.441761	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	-6537	NM_144702	149499	Hs.491734	NM_144702	ENSG00000	LRRC71	C1orf92	leucine r	protein-coding
chr14-350	8.895403	-0.60492	0.786409	-0.76922	0.441761	0.981636	chr14	35068566	35069030	+	0	NA	intron (N	MSTD|LTR|	-12283	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1136	6.667139	-0.70437	0.915716	-0.76921	0.441771	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	AluY|SINE	135620	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr5-7900	6.667139	-0.70437	0.915716	-0.76921	0.441771	0.981636	chr5	7900791	7901424	+	0	NA	TTS (NM_C	TTS (NM_C	31959	NR_134482	4552	Hs.481551	NM_002454	ENSG00000	MTRR	MSR|cblE	5-methylt	protein-coding
chr11-117	5.896555	0.758331	0.986029	0.769076	0.441848	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSx4|SI	4528	NM_004716	9159	Hs.648612	NM_004716	ENSG00000	PCSK7	LPC|PC7|F	proprotei	protein-coding
chr10-965	8.887545	-0.60352	0.785035	-0.76878	0.442022	0.981636	chr10	96520867	96521990	+	0	NA	3’ UTR (N	3’ UTR (N	-7502	NM_012465	7093	Hs.154296	NM_012465	ENSG00000	TLL2	-	tolloid l	protein-coding

chr14-504	8.887545	-0.60352	0.785035	-0.76878	0.442022	0.981636	chr14	50433034	50441371	+	0	NA	intron (	intron (	-39904	NM_001367	8814	Hs.280881	NM_00419	ENSG0000	CDKL1	KKIALRE|	cyclin de	protein-coding
chr2-549	8.887545	-0.60352	0.785035	-0.76878	0.442022	0.981636	chr2	54969731	54974557	+	0	NA	TTS (NM_1	TTS (NM_1	38128	NM_00700	57142	Hs.63785	NM_00700	ENSG0000	RTN4	ASY|NI22	reticulon	protein-coding
chr4-112	8.887545	-0.60352	0.785035	-0.76878	0.442022	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	intron (	AluSp|SI	-3577	NR_146092	1.1E+08	Hs.642978	NR_146092	ENSG0000	MIR302CH	-	miR-302/3	ncRNA
chr20-594	4.916047	-0.83027	1.080571	-0.76836	0.442271	0.981636	chr20	5945674	5945873	+	0	NA	intron (	intron (	4760	NM_015939	51605	Hs.128791	NM_015939	ENSG0000	TRMT6	CGI-09|G	tRNA meth	protein-coding
chr11-309	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr11	3097590	3097919	+	0	NA	intron (	L1MEd|LI	-40331	NM_001194	833	Hs.274873	NM_001751	ENSG0000	CARS	CARS1|CYS	cysteinyl	protein-coding
chr12-248	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr12	24815914	24817763	+	0	NA	3’ UTR (	3’ UTR (	85384	NM_001178	586	Hs.438993	NM_005504	ENSG0000	BCAT1	BCATC|BCT	branched	protein-coding
chr15-445	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr15	44539286	44541282	+	0	NA	intron (	AluSz|SI	3137	NM_003758	8669	Hs.404056	NM_003758	ENSG0000	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr2-207	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	intron (	intron (	23528	NR_036227	1E+08		NR_036227	ENSG0000	MIR2355	mir-2355	microRNA	ncRNA
chr5-1591	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (	intron (	19728	NM_001199	153830	Hs.349306	NM_144726	ENSG0000	RNF145	-	ring fing	protein-coding
chr6-158	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	62597	NM_001178	8871	Hs.434494	NM_003898	ENSG0000	SYNJ2	INPP5H	synaptoja	protein-coding
chr8-479	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr8	47902559	47904735	+	0	NA	intron (	intron (	56489	NM_001081	5591	Hs.491682	NM_006904	ENSG0000	PRKDC	DNA-PKC|	protein k	protein-coding
chr8-1198	7.118887	-0.67288	0.87608	-0.76806	0.442453	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (	THE1B-int	7538	NM_003184	6873	Hs.122752	NM_003184	ENSG0000	TAF2	CIF150|M	TATA-box	protein-coding
chr3-1236	10.11247	-0.58411	0.761561	-0.767	0.443084	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (	intron (	-14554	NM_053032	4638	Hs.477375	NM_005965	ENSG0000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr6-7342	8.343809	-0.63963	0.833988	-0.76695	0.443112	0.981636	chr6	73425058	73425267	+	0	NA	3’ UTR (	3’ UTR (	27135	NM_138441	115004	Hs.658405	NM_138441	ENSG0000	CGAS	C6orf150|	cyclic G	protein-coding
chr1-120	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	12009475	12012038	+	0	NA	intron (	MIRb|SINE	-8742	NM_021933	60672	Hs.8595	NM_021933	ENSG0000	MIIP	IIP45	migration	protein-coding
chr1-286	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	28603759	28608093	+	0	NA	intron (	AluSq2|SI	13431	NM_001193	115273	Hs.652321	NM_152304	ENSG0000	RAB42	-	RAB42, me	protein-coding
chr1-3131	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	31316662	31317245	+	0	NA	intron (	intron (	19971	NM_016505	51538	Hs.524094	NM_016505	ENSG0000	ZCCHC17	HSPC251|F	zinc fing	protein-coding
chr1-1103	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	12084	NM_001201	9122	Hs.351306	NM_004696	ENSG0000	SLC16A4	MCT4|MCT5	solute ca	protein-coding
chr1-2175	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (	AluSq2|SI	117951	NM_001297	55105	Hs.362343	NM_01804	ENSG0000	GPATCH2	CT110|GPA	G-patch d	protein-coding
chr1-2294	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (	AluSx|SI	24800	NM_01823	55746	Hs.12457	NM_01823	ENSG0000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr14-75	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr14	75036503	75036733	+	0	NA	intron (	AluSx1|SI	14849	NM_014381	27030	Hs.43665	NM_014381	ENSG0000	MLH3	HNPCC7	mutL homo	protein-coding
chr16-234	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr16	23443899	23444911	+	0	NA	intron (	intron (	8784	NM_153603	91949	Hs.185807	NM_153603	ENSG0000	COG7	CDG2E	component	protein-coding
chr2-6905	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr2	69058191	69060193	+	0	NA	intron (	Tigger1|D	-44490	NR_036073	1E+08		NR_036073	ENSG0000	MIR3126	mir-3126	microRNA	ncRNA
chr7-2312	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr7	23125379	23125939	+	0	NA	intron (	intron (	18998	NM_018846	55975	Hs.654817	NM_018846	ENSG0000	KLHL7	CISS3|KLH	kelch lik	protein-coding
chr8-9776	6.948437	0.675349	0.880851	0.766701	0.443259	0.981636	chr8	9776824	9777885	+	0	NA	3’ UTR (	3’ UTR (	35682	NR_030327	693182		NR_030327	ENSG0000	MIR597	MIRN597|h	microRNA	ncRNA
chr1-8418	8.846405	-0.60652	0.791133	-0.76665	0.443289	0.981636	chr1	8418091	8418789	+	0	NA	intron (	intron (	5392	NM_001042	473	Hs.463041	NM_012102	ENSG0000	RERE	ARG|ARP|A	arginine-	protein-coding
chr3-4705	11.06681	-0.54624	0.712517	-0.76664	0.443295	0.981636	chr3	47056733	47057403	+	0	NA	exon (NM_	exon (NM_	45526	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr5-326	7.101322	-0.6823	0.890549	-0.76616	0.443584	0.981636	chr5	32600833	32601307	+	0	NA	exon (NM_	exon (NM_	15513	NM_006713	10923	Hs.229641	NM_006713	ENSG0000	SUB1	P15|PC4|p	SUB1 regu	protein-coding
chr19-103	7.134603	-0.67646	0.882933	-0.76615	0.443584	0.981636	chr19	10321013	10321537	+	0	NA	intron (	intron (	-5260	NM_001031	112812	Hs.654865	NM_080665	ENSG0000	FDX2	FDX1L|MEC	ferredoxi	protein-coding
chr1-8507	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr1	85076114	85076888	+	0	NA	intron (	THE1B|LTR	14174	NM_145172	126820	Hs.97933	NM_145172	ENSG0000	WDR63	DIC3|NYD-	WD repeat	protein-coding
chr14-105	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	-15190	NM_001195	647310	Hs.729499	NM_001195	ENSG0000	TEX22	-	testis ex	protein-coding
chr15-732	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr15	73250134	73251170	+	0	NA	intron (	L1MC4|LI	-49258	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr17-197	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr17	19799756	19801895	+	0	NA	intron (	intron (	-52527	NM_000691	218	Hs.531682	NM_000691	ENSG0000	ALDH3A1	ALDH3|ALD	aldehyde	protein-coding
chr18-231	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr18	23181821	23183312	+	0	NA	intron (	MER5B|DNA	26741	NM_138375	91768	Hs.11108	NM_138375	ENSG0000	CABLES1	CABL1|CA	Cdk5 and	protein-coding
chr18-623	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr18	62300775	62301182	+	0	NA	intron (	L2c|LINE|	-24309	NM_00127	8792	Hs.204044	NM_003839	ENSG0000	TNFRSF11A	CD265|FEC	TNF recep	protein-coding
chr19-198	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr19	19883318	19884573	+	0	NA	intron (	AluSp|SI	-17001	NM_031218	81931	Hs.301059	NM_031218	ENSG0000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr2-2384	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	Intergeni	L1MDa|LI	42269	NM_00104	51665	Hs.516788	NM_016114	ENSG0000	ASB1	ASB-1	ankyrin r	protein-coding
chr22-502	4.7088	0.816842	1.066192	0.76613	0.443599	0.981636	chr22	50253620	50254190	+	0	NA	intron (	intron (	-2640	NM_032019	83933	Hs.26593	NM_032019	ENSG0000	HDAC10	HD10	histone d	protein-coding
chr14-527	7.849071	-0.67838	0.885587	-0.76602	0.443661	0.981636	chr14	52769295	52769511	+	0	NA	intron (	intron (	22204	NM_198066	64841	Hs.478025	NM_198066	ENSG0000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr10-679	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr10	67989771	67996986	+	0	NA	intron (	FAM|SINE|	17505	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-871	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr10	87164091	87164523	+	0	NA	intron (	AluJb|SI	-61141	NM_001099	728118	Hs.710565	NM_001099	ENSG0000	NUTM2A	FAM22A	NUT famil	protein-coding
chr11-658	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr11	65894117	65897246	+	0	NA	intron (	intron (	4707	NM_00130	8061	Hs.283565	NM_005438	ENSG0000	FOSL1	FRA|FRA1|	FOS like	protein-coding
chr12-693	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr12	6939265	6940999	+	0	NA	intron (	AluSc|SI	-3306	NM_001301	113246	Hs.405913	NM_138425	ENSG0000	C12orf57	C10|GRCC1	chromosom	protein-coding
chr15-572	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr15	57231394	57235778	+	0	NA	intron (	AluSz6|SI	14156	NM_001306	6938	Hs.511504	NM_003205	ENSG0000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr15-718	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr15	71858238	71858576	+	0	NA	intron (	L1PA5|LI	47853	NM_014249	10002	Hs.187354	NM_014249	ENSG0000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr2-1716	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	3575	NM_00132	1781	Hs.54625	NM_001378	ENSG0000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr2-1747	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	TTS (NM_	TTS (NM_	-34896	NM_001039	1134	Hs.434479	NM_000079	ENSG0000	CHRNA1	ACHRA|ACH	cholinerg	protein-coding
chr3-4256	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr3	42567959	42568158	+	0	NA	intron (	AluSq|SI	-13782	NM_016305	51188	Hs.534454	NM_016305	ENSG0000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr3-143	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (	intron (	53632	NM_00132	23350	Hs.596572	NM_00108	ENSG0000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr6-8563	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr6	85632890	85641378	+	0	NA	exon (NM_	exon (NM_	4317	NM_001159	10492	Hs.571177	NM_006372	ENSG0000	SYNCRIP	GRY-RBP|	synaptota	protein-coding
chr6-1362	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	3’ UTR (	3’ UTR (	-9477	NM_001099	113115	Hs.121536	NM_138419	ENSG0000	MTFR2	DUFD1|FAM	mitochond	protein-coding
chr7-1165	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (	THE1B|LTR	12342	NM_001172	857	Hs.74034	NM_001753	ENSG0000	CAV1	BSCL3|CGI	caveolin	protein-coding
chr7-1433	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	TTS (NM_	TTS (NM_	8162	NR_106952	1.02E+08		NR_106952	ENSG0000	MIR6892	hsa-mir-6	microRNA	ncRNA
chr9-1109	8.879687	-0.60211	0.786052	-0.766	0.443679	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	5’ UTR (	5’ UTR (	63240	NM_001351	1902	Hs.126667	NM_001401	ENSG0000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-508	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr12	50816631	50817080	+	0	NA	intron (	AluJb|SI	-26071	NM_182559	283471	Hs.125571	NM_182559	ENSG0000	TMPRSS12	CT151	transmemb	protein-coding
chr12-113	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	5790	NM_001111	79039	Hs.506861	NM_024072	ENSG0000	DDX54	DP97	DEAD-box	protein-coding
chr14-644	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr14	64441139	64441575	+	0	NA	intron (	intron (	-24142	NM_004857	9495	Hs.656683	NM_004857	ENSG0000	AKAP5	AKAP75|AK	A-kinase	protein-coding
chr15-309	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr15	30938508	30939919	+	0	NA	3’ UTR (	3’ UTR (	35298	NM_014967	22909	Hs.584863	NM_014967	ENSG0000	FAN1	KIAA1018|	FANCD2 an	protein-coding
chr18-659	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr18	659786	660818	+	0	NA	intron (	L2a|LINE|	-2011	NM_001012	494514	Hs.274959	NM_001012716		TYMSOS	C18orf56	TYMS oppo	protein-coding
chr18-686	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr18	68683137	68684660	+	0	NA	intron (	MER44A|DN	31210	NM_00135	54495	Hs.440534	NM_019022	ENSG0000	TMX3	PDIA13|TX	thioredox	protein-coding
chr21-392	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr21	39261343	39261856	+	0	NA	intron (	Charlie1a	52033	NM_018963	54014	Hs.627139	NM_018963	ENSG0000	BRWD1	C21orf107	bromodoma	protein-coding
chr4-769	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr4	76964808	76965387	+	0	NA	intron (	intron (	15345	NM_001306	55752	Hs.128199	NM_018243	ENSG0000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-9678	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr5	96782576	96784215	+	0	NA	intron (	intron (	24550	NM_00104	51752	Hs.666524	NM_016442	ENSG0000	ERAP1	A-LAP|ALA	endoplasm	protein-coding
chr6-8547	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr6	85479542	85481114	+	0	NA	intron (	intron (	30245	NM_002526	4907	Hs.153952	NM_002526	ENSG0000	NT5E	CALJA|CD7	5’-nucleo	protein-coding
chr6-1601	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (	intron (	9592	NR_003288	729603	Hs.67481	NR_003288	ENSG0000	LOC729603	-	calcineur	pseudo
chr7-1503	5.393219	-0.76637	1.001234	-0.76542	0.444021	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	TTS (NM_	TTS (NM_	-4757	NM_17368	285971	Hs.655734	NM_17368	ENSG0000	ZNF775	-	zinc fing	protein-coding
chr1-786	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr1	78660315	78662747	+	0	NA	intron (	intron (	11700	NM_006417	10561	Hs.82316	NM_006417	ENSG0000	IFI44	MTAP44|TL	interfero	protein-coding
chr11-575	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr11	57549072	57549515	+	0	NA	intron (	AluSx1|SI	6652	NM_001105	219537	Hs.68756	NM_001105	ENSG0000	SMTNL1	CHASM	smootheli	protein-coding
chr2-1545	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr2	15458175	15458910	+	0	NA	intron (	MSTB|LTR|	102792	NM_015909	51594	Hs.467759	NM_015909	ENSG0000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr21-259	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr21	25953662	25954671	+	0	NA	intron (	MIRb|SINE	186224	NM_001136	351	Hs.43498	NM_000484	ENSG0000	APP	AAA|ABETA	amyloid b	protein-coding
chr3-1445	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr3	14455029	14455528	+	0	NA	intron (	intron (	52672	NM_001134	6533	Hs.529488	NM_003043	ENSG0000	SLC6A6	TAUT	solute ca	protein-coding
chr6-8548	7.152169	-0.66731	0.871972	-0.76529	0.444102	0.981636	chr6	85489097	85490629	+	0	NA	intron (	intron (	39780	NM_002526	4907	Hs.153952	NM_002526	ENSG0000	NT5E	CALJA|CD7	5’-nucleo	protein-coding
chr3-4912	8.656354	0.61848	0.808205	0.765252	0.444122	0.981636	chr3	49125792	49126818	+	0	NA	intron (	intron (	-5367	NM_001351	10869	Hs.255596	NM_006677	ENSG0000	USP19	ZMYND9	ubiquitin	protein-coding
chr1-1539	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	8634	NM_001367	9909	Hs.744878	NM_014856	ENSG0000	DENND4B	KIAA0476	DENN doma	protein-coding
chr10-918	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr10	91853129	91853491	+	0	NA	intron (	Plat_L3|L	54884	NM_025235	80351	Hs.329327	NM_025235	ENSG0000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr19-233	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr19	23348633	23349735	+	0	NA	Intergeni	MER11A|LT	46287	NM_00343	7644	Hs.58834	NM_00343	ENSG0000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr19-575	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr19	57531143	57532475	+	0	NA	intron (	Tigger7|D	4453	NM_001199	256051	Hs.744289	NM_153263	ENSG0000	ZNF549	-	zinc fing	protein-coding
chr2-2186	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	-14264	NM_01464	9654	Hs.471405	NM_01464	ENSG0000	TTLL4	-	tubulin t	protein-coding
chr6-4108	9.186224	0.594473	0.776941	0.765145	0.444185	0.981636	chr6	41083094	41084917	+	0	NA	intron (	intron (	11031	NM_021705	4800	Hs.10441	NM_002505	ENSG0000	NFYA	CBF-A|CBF	nuclear t	protein-coding
chr19-388	7.015	0.681983	0.891524	0.764963	0.444294	0.981636	chr19	38815182	38816446	+	0	NA	intron (	intron (	-2869	NM_006149	3960	Hs.5302	NM_006149	ENSG0000	LGALS4	GAL4|L36L	galectin	protein-coding
chr11-567	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr11	5672002	5672293	+	0	NA	intron (	L1M4a2|LI	12927	NM_033093	85363	Hs.12530	NM_033034	ENSG0000	TRIM5	RNF88|TRI	tripartit	protein-coding
chr13-769	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr13	76999166	76999431	+	0	NA	intron (	intron (	7217	NM_006493	1203	Hs.30213	NM_006493	ENSG0000	CLN5	-	CLN5 intr	protein-coding
chr16-112	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr16	11252578	11255448	+	0	NA	TTS (NM_	TTS (NM_	2169	NM_003745	8651	Hs.50640	NM_003745	ENSG0000	SOCS1	CIS1|CISH	suppresso	protein-coding
chr16-532	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr16	53297493	53297845	+	0	NA	intron (	intron (	73543	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-186	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr17	18675216	18675536	+	0	NA	intron (	intron (	6938	NM_001368	2310	Hs.592126	NM_001368134		FOXO3B	FKHRL1P1|	forkhead	protein-coding
chr19-129	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr19	12998509	12999269	+	0	NA	intron (	intron (	3414	NM_002501	4784	Hs.25797	NM_002501	ENSG0000	NFIX	CTF|MRSHS	nuclear f	protein-coding
chr2-1594	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (	L1PA16|LI	-136233	NM_00133	151525	Hs.20848	NM_152528	ENSG0000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr2-2185	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	AluY|SINE	41480	NM_020935	57695	Hs.166068	NM_020935	ENSG0000	USP37	-	ubiquitin	protein-coding
chr20-41	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr20	41067438	41068744	+	0	NA	intron (	intron (	39269	NM_003286	7150	Hs.472737	NM_003286	ENSG0000	TOP1	TOPI	DNA topoi	protein-coding
chr3-5775	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr3	57759399	57760208	+	0	NA	intron (	intron (	2547	NM_001304	7871	Hs.476432	NM_007159	ENSG0000	SLMAP	SLAP	sarcolemm	protein-coding
chr3-1003	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr3	1E+08	1E+08	+	0	NA	3’ UTR (	3’ UTR (	29652	NM_020202	56954	Hs.439152	NM_020202	ENSG0000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr4-5648	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr4	56487101	56489027	+	0	NA	intron (	intron (	-17145	NM_206919	132946	Hs.444449	NM_206919	ENSG0000	ARL9	-	ADP ribos	protein-coding
chr5-7358	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr5	73580681	73581294	+	0	NA	3’ UTR (	3’ UTR (	15244	NM_032175	84135	Hs.406703	NM_032175	ENSG0000	UTP15	NET21	UTP15 sma	protein-coding
chr6-3697	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr6	36978814	36979622	+	0	NA	intron (	intron (	7333	NM_001271	23787	Hs.485262	NM_014341	ENSG0000	MTCH1	CGI-64|PI	mitochond	protein-coding
chr6-4224	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr6	42248638	42249208	+	0	NA	intron (	intron (	-31062	NM_018141	55173	Hs.380887	NM_018141	ENSG0000	MRPS10	MRP-S10|F	mitochond	protein-coding
chr6-1572	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (	intron (	120506	NM_018452	729515	Hs.157212	NM_018452	ENSG0000	TMEM242	BM033|C6o	transmemb	protein-coding
chr8-2248	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr8	22482683	22483552	+	0	NA	intron (	MER101-in	42147	NM_005605	5533	Hs.731683	NM_005605	ENSG0000	PPP3CC	CALNA3|CN	protein p	protein-coding
chr9-109	7.144311	-0.66559	0.870219	-0.76485	0.444361	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (	AluSz|SI	-10191	NR_029506	407036		NR_029506	ENSG0000	MIR32	MIRN32|hs	microRNA	ncRNA
chr16-899	7.111029	-0.67118	0.877583	-0.7648	0.44439	0.981636	chr16	89902839	89903038	+	0	NA	intron (	intron (	-14941	NM_002386	4157	Hs.513829	NM_002386	ENSG0000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr20-323	7.111029	-0.67118	0.877583	-0.7648	0.44439	0.981636	chr20	32369045	32370574	+	0	NA	intron (	AluSg|SI	10744	NM_001363	171023	Hs.374043	NM_015338	ENSG0000	ASXL1	BOPS|MDS	ASXL tran	protein-coding
chr4-1246	7.111029	-0.67118	0.877583	-0.7648	0.44439	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	34706	NM_020337	57182	Hs.480694	NM_020337	ENSG0000	ANKRD50	-	ankyrin r	protein-coding
chr6-1421	7.111029	-0.67118	0.877583	-0.7648	0.44439	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (	intron (	52006	NM_016485	51534	Hs.431367	NM_016485	ENSG0000	VTA1	C6orf55|D	vesicle t	protein-coding
chr1-1225	18.93597	0.432173	0.565084	0.764794	0.444394	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1000952	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr15-343	4.949328	-0.82159	1.07435	-0.76473	0.444433	0.981636	chr15	34389805	34390361	+	0	NA	promoter-	promoter-	-315	NM_181077	23015	Hs.182982	NM_181077	ENSG0000	GOLGA8A	GM88|GOLG	golgin A8	protein-coding
chr17-504	4.949328	-0.82159	1.07435	-0.76473	0.444433	0.981636	chr17	50480470	50480915	+	0	NA	intron (	L2c|LINE|	1832	NM_018346	55316	Hs.8033	NM_018346	ENSG0000	RSAD1	HemW	radical S	protein-coding
chr20-265	12.40933	0.51362	0.671815	0.764527	0.444553	0.981636	chr20	26557899	26558615	+	0	NA	Intergeni	ALR/Alpha	-349024	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr12-77	6.708278	-0.70004	0.916114	-0.76414	0.444786	0.981636	chr12	77033590	77033899	+	0	NA	intron (	intron (	31825	NM_203394	144455	Hs.416375	NM_203394	ENSG0000	E2F7	-	E2F trans	protein-coding
chr7-4446	6.708278	-0.70004	0.916114	-0.76414	0.444786	0.981636	chr7	44468148	44468889	+	0	NA	intron (	intron (	22140	NM_015332	23386	Hs.488171	NM_015332	ENSG0000	NUDCD3	NudCL	NudC doma	protein-coding
chr7-4729	6.708278	-0.70004	0.916114	-0.76414	0.444786	0.981636	chr7	47298768	47299206	+	0	NA	intron (	intron (	165816	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr11-35	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr11	35070572	35071342	+	0	NA	Intergeni	L1ME1|LI	67075	NR_120528	1.01E+08	Hs.673491	NR_120528	ENSG0000	LOC100507	-	uncharact	ncRNA
chr12-987	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr12	98706411	98708161	+	0	NA	intron (	L2c|LINE|	61986	NM_181868	317	Hs.552567	NM_00116	ENSG0000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-10	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (	MER11A|LT	77187	NM_00100	23074	Hs.572154	NM_015054	ENSG0000	UHRF1BP1L	SHIP164	UHRF1 bin	protein-coding
chr14-71	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr14	71069854	71071121	+	0	NA	intron (	Tigger1|D	163028	NM_001308	22990	Hs.446559	NM_014982	ENSG0000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr9-942	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr9	94200568	94200882	+	0	NA	intron (	MSTB|LTR|	3841	NR_046165	158257	Hs.652626	NR_046163	ENSG0000	LINC02603	MIRLET7DH	long inte	ncRNA
chr9-1315	6.940579	0.67771	0.886955	0.764086	0.444816	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (	intron (	4733	NM_001353	10585	Hs.522449	NM_007171	ENSG0000	POMT1	LGMD2K|LG	protein O	protein-coding
chr11-171	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr11	17105670	17106399	+	0	NA	intron (	AluSx1|SI	-28367	NM_001017	6207	Hs.446588	NM_001017	ENSG0000	RPS13	S13	ribosomal	protein-coding
chr12-111	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluSx4|SI	31882	NM_002973	6311	Hs.76253	NM_002973	ENSG0000	ATXN2	ATX2|SCA2	ataxin 2	protein-coding
chr15-101	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (	AluJb|SI	26737	NM_014918	22856	Hs.110488	NM_014918	ENSG0000	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr18-584	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr18	58486871	58487500	+	0	NA	intron (	MLT1C|LTR	-36033	NR_039899	1.01E+08		NR_039899	ENSG0000	MIR3591	-	microRNA	ncRNA
chr19-219	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr19	2192886	2193786	+	0	NA	intron (	intron (	29403	NM_032482	84444	Hs.713641	NM_032482	ENSG0000	DOT1L	DOT1|KMT4	DOT1 like	protein-coding
chr20-315	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr20	31519309	31521032	+	0	NA	intron (	L1ME4b|LI	5728	NM_178582	81502	Hs.373741	NM_030789	ENSG0000	HM13	H13|IMP1|	histocomp	protein-coding
chr3-4806	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr3	48062042	48062852	+	0	NA	intron (	SVA_C|Ret	26401	NM_002375	4134	Hs.517949	NM_002375	ENSG0000	MAP4	-	microtubu	protein-coding
chr6-7232	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr6	7232914	7233688	+	0	NA	intron (	intron (	79898	NM_001292	6745	Hs.114033	NM_003144	ENSG0000	SSR1	TRAPA	signal se	protein-coding

chr7-1663	5.434359	-0.7611	0.99618	-0.76402	0.444854	0.981636	chr7	16634603	16635347	+		0	NA	intron (N	L1MEc|LIN	10779	NM_020319	57037	Hs.157378	NM_020319	ENSG0000C	ANKMY2	ZMYND20	ankyrin r	protein-coding
chr1-8496	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	8496666	8497158	+		0	NA	intron (N	L1PA8|LIN	-1999	NR_132752	1.07E+08		NR_132752		SNORD128	ZL43	small nuc	snoRNA
chr1-1457	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	1.46E+08	1.46E+08	+		0	NA	intron (N	SVA_C|Ret	44659	NR_103845	11126	Hs.488237	NM_007053	ENSG0000C	CD160	BY55|NK1|	CD160 mol	protein-coding
chr1-1504	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	1.5E+08	1.51E+08	+		0	NA	intron (N	AluSx|SIN	7227	NR_106938	1.02E+08		NR_106938	ENSG0000C	MIR6878	hsa-mir-6	microRNA	ncRNA
chr1-1788	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	1.79E+08	1.79E+08	+		0	NA	intron (N	AluJb|SIN	56450	NM_004673	9068	Hs.591474	NM_004673	ENSG0000C	ANGPTL1	ANG3|ANGF	angiopoie	protein-coding
chr1-2130	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	2.13E+08	2.13E+08	+		0	NA	intron (N	AluJb|SIN	29449	NM_012424	26750	Hs.591416	NM_012424	ENSG0000C	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr1-2226	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	2.23E+08	2.23E+08	+		0	NA	intron (N	intron (N	19831	NM_022831	64853	Hs.156625	NM_022831	ENSG0000C	AIDA	C1orf80	axin inte	protein-coding
chr1-2258	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	2.26E+08	2.26E+08	+		0	NA	intron (N	intron (N	25823	NM_014698	9725	Hs.119387	NM_014698	ENSG0000C	TMEM63A	KIAA0792	transmemb	protein-coding
chr1-2295	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr1	2.3E+08	2.3E+08	+		0	NA	intron (N	intron (N	20049	NM_012089	23456	Hs.17614	NM_012089	ENSG0000C	ABCB10	EST20237|	ATP bindi	protein-coding
chr10-124	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr10	1.25E+08	1.25E+08	+		0	NA	exon (NM_	exon (NM_	-21985	NR_120630	1.02E+08	Hs.437448	NR_120630		FAM53B-AS	-	FAM53B ar	ncRNA
chr10-125	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr10	1.26E+08	1.26E+08	+		0	NA	intron (N	(TTTTTC)r	14998	NM_018180	55760	Hs.370292	NM_018180	ENSG0000C	DHX32	DDX32|DHL	DEAH-box	protein-coding
chr11-645	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr11	6454170	6455653	+		0	NA	intron (N	intron (N	-13924	NM_000613	3263	Hs.426485	NM_000613	ENSG0000C	HPX	HX	hemopexir	protein-coding
chr13-196	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr13	19649611	19651423	+		0	NA	intron (N	intron (N	16858	NM_017520	54737	Hs.269654	NM_017520	ENSG0000C	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr14-962	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr14	96215242	96216140	+		0	NA	intron (N	intron (N	10893	NM_000623	624	Hs.654542	NM_000623	ENSG0000C	BDKRB2	B2R|BK-2|	bradykini	protein-coding
chr14-101	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr14	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	3689	NM_001352	5527	Hs.368264	NM_002719	ENSG0000C	PPP2R5C	B56G|B56g	protein p	protein-coding
chr15-286	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr15	28667377	28670244	+		0	NA	intron (N	intron (N	14368	NR_036443	440248	Hs.531509	NM_199045	ENSG0000C	HERC2P9	-	hect doma	pseudo
chr16-293	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr16	2932489	2935452	+		0	NA	exon (NM_	exon (NM_	21991	NM_001308	84256	Hs.655321	NM_020912	ENSG0000C	FLYWCH1	-	FLYWCH-ty	protein-coding
chr17-180	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr17	18045199	18048198	+		0	NA	intron (N	AluSq2|SI	7290	NM_024052	79018	Hs.187422	NM_024052	ENSG0000C	GID4	C17orf39|	GID compl	protein-coding
chr17-189	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr17	18928841	18931759	+		0	NA	intron (N	AluY|SINE	-20376	NM_001282	125206	Hs.462418	NM_152351	ENSG0000C	SLC5A10	SGLT-5|SC	solute ca	protein-coding
chr17-427	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr17	42724808	42725320	+		0	NA	intron (N	AluSc|SIN	-16913	NR_106838	1.02E+08		NR_106838	ENSG0000C	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr17-427	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr17	42726647	42730824	+		0	NA	intron (N	AluY|SINE	16305	NM_001321	2145	Hs.194669	NM_001991	ENSG0000C	EZH1	KMT6B	enhancer	protein-coding
chr19-119	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr19	11936221	11936638	+		0	NA	intron (N	L1PA6|LIN	11322	NM_144566	90592	Hs.528486	NM_144566	ENSG0000C	ZNF700	-	zinc fing	protein-coding
chr19-365	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr19	36560836	36562407	+		0	NA	intron (N	MLT1A1-ir	-11449	NR_110703	1.02E+08	Hs.515376	NR_110703	ENSG0000C	ZNF529-AS	-	ZNF529 ar	ncRNA
chr19-467	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr19	46705950	46710986	+		0	NA	TTS (NR_C	TTS (NR_C	886	NR_036157	1E+08		NR_036157	ENSG0000C	MIR320E	mir-320e	microRNA	ncRNA
chr19-476	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr19	47673710	47675259	+		0	NA	intron (N	MLT1F1|LT	-38938	NM_014601	30846	Hs.744963	NM_014601	ENSG0000C	EHD2	PAST2	EH domair	protein-coding
chr20-359	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr20	35927422	35933064	+		0	NA	intron (N	L2a|LINE|	24383	NM_033630	51282	Hs.584909	NM_016558	ENSG0000C	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr22-379	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr22	37939227	37943209	+		0	NA	3’ UTR (N	3’ UTR (N	12383	NM_032561	84645	Hs.517612	NM_032561	ENSG0000C	C22orf23	EVG1|dJ10	chromosom	protein-coding
chr22-394	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr22	39418694	39424988	+		0	NA	exon (NM_	exon (NM_	-10319	NR_040535	1.01E+08	Hs.729080	NR_040535		LOC100506	-	uncharact	ncRNA
chr3-3683	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr3	36833475	36833923	+		0	NA	exon (NM_	exon (NM_	-11199	NR_147141	1.05E+08	Hs.333862	NR_147141	ENSG0000C	LINC02033	-	long inte	ncRNA
chr3-1143	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr3	1.14E+08	1.14E+08	+		0	NA	exon (NM_	exon (NM_	-1010	NR_038993	1E+08	Hs.122417	NR_038993	ENSG0000C	ZBTB20-AS	-	ZBTB20 ar	ncRNA
chr3-1289	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr3	1.29E+08	1.29E+08	+		0	NA	intron (N	intron (N	31279	NM_014049	28976	Hs.567482	NM_014049	ENSG0000C	ACAD9	MC1DN20|N	acyl-CoA	protein-coding
chr3-1727	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr3	1.73E+08	1.73E+08	+		0	NA	intron (N	L1ME1|LIN	42116	NM_001349	1894	Hs.518299	NM_018098	ENSG0000C	ECT2	ARHGEF31	epithelia	protein-coding
chr5-1295	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr5	1.3E+08	1.3E+08	+		0	NA	intron (N	intron (N	-82709	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG0000C	ADAMTS19-	-	ADAMTS19	ncRNA
chr5-1349	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr5	1.35E+08	1.35E+08	+		0	NA	intron (N	MIRc|SINE	16996	NM_032151	84105	Hs.710014	NM_032151	ENSG0000C	PCBD2	DCOH2|DCC	pterin-4	protein-coding
chr7-1662	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr7	16623507	16624989	+		0	NA	intron (N	intron (N	21506	NM_020319	57037	Hs.157378	NM_020319	ENSG0000C	ANKMY2	ZMYND20	ankyrin r	protein-coding
chr7-1012	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr7	1.01E+08	1.01E+08	+		0	NA	TTS (NM_C	TTS (NM_C	6544	NM_006349	10467	Hs.211079	NM_006349	ENSG0000C	ZNHIT1	CG1I|ZNFN	zinc fing	protein-coding
chr7-1385	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr7	1.39E+08	1.39E+08	+		0	NA	intron (N	Tigger3a|	91978	NM_015905	8805	Hs.490287	NM_003852	ENSG0000C	TRIM24	PTC6|RNF8	tripartit	protein-coding
chr7-1490	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr7	1.49E+08	1.49E+08	+		0	NA	intron (N	intron (N	17213	NR_163909								
chr7-1494	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr7	1.49E+08	1.49E+08	+		0	NA	intron (N	intron (N	11362	NM_015694	27153	Hs.38512	NM_015694	ENSG0000C	ZNF777	-	zinc fing	protein-coding
chr9-1300	6.956295	0.673017	0.880938	0.763977	0.444881	0.981636	chr9	1.3E+08	1.3E+08	+		0	NA	intron (N	AluSz|SIN	27386	NM_020960	57720	Hs.512461	NM_020960	ENSG0000C	GPR107	GCDRP|LUS	G proteir	protein-coding
chr1-2261	9.137226	0.595398	0.779479	0.763841	0.444962	0.981636	chr1	2.26E+08	2.26E+08	+		0	NA	intron (N	AluJb|SIN	13820	NM_022735	64746	Hs.520207	NM_022735	ENSG0000C	ACBD3	GCP60|GOC	acyl-CoA	protein-coding
chr11-459	9.137226	0.595398	0.779479	0.763841	0.444962	0.981636	chr11	45945522	45946672	+		0	NA	exon (NM_	exon (NM_	23441	NM_001300	120071	Hs.86543	NM_152312	ENSG0000C	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr10-225	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr10	22572341	22573188	+		0	NA	intron (N	L2a|LINE|	-134835	NR_036533	1E+08	Hs.7444	NR_036533		LOC100499	-	uncharact	ncRNA
chr10-635	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr10	63598262	63599631	+		0	NA	intron (N	AluJr4|SI	-77056	NM_001318	221037	Hs.413416	NM_004241	ENSG0000C	JMJD1C	KDM3C|TRI	jumonji c	protein-coding
chr10-864	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr10	86463342	86463852	+		0	NA	intron (N	Tigger3|D	58187	NM_001318	23063	Hs.203099	NM_015045	ENSG0000C	WAPL	FOE|KIAAC	WAPL cohe	protein-coding
chr13-390	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr13	39027390	39028584	+		0	NA	intron (N	intron (N	10089	NM_170719	80209	Hs.318526	NM_025138	ENSG0000C	PROSER1	C13orf23	proline a	protein-coding
chr15-748	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr15	74868475	74869040	+		0	NA	intron (N	AluSz6|SI	4608	NM_001320	10066	Hs.458917	NM_005697	ENSG0000C	SCAMP2	-	secretory	protein-coding
chr17-758	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr17	75897656	75898454	+		0	NA	TTS (NM_C	TTS (NM_C	-1104	NM_001256	201292	Hs.189823	NM_173547	ENSG0000C	TRIM65	4732463G1	tripartit	protein-coding
chr19-211	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr19	21166375	21169219	+		0	NA	intron (N	intron (N	25757	NM_133473	170959	Hs.156256	NM_133473	ENSG0000C	ZNF431	-	zinc fing	protein-coding
chr19-217	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr19	21736516	21737476	+		0	NA	intron (N	L1PA10|LI	-13749	NR_024523	641367	Hs.680128	NR_024523	ENSG0000C	LOC641367	-	cyclin Y	pseudo
chr19-442	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr19	44272525	44273184	+		0	NA	intron (N	intron (N	12940	NM_181756	353355	Hs.466891	NM_181756	ENSG0000C	ZNF233	-	zinc fing	protein-coding
chr2-4226	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr2	42260270	42261887	+		0	NA	intron (N	intron (N	-90847	NR_110584	1.03E+08	Hs.639826	NR_110584		LOC102723	-	uncharact	ncRNA
chr2-9587	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr2	95879935	95880783	+		0	NA	intron (N	intron (N	-53378	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr2-2185	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr2	2.19E+08	2.19E+08	+		0	NA	intron (N	Tigger1|D	37171	NM_020935	57695	Hs.166068	NM_020935	ENSG0000C	USP37	-	ubiquitir	protein-coding
chr3-3703	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr3	37032694	37033950	+		0	NA	intron (N	intron (N	39972	NM_001258	4292	Hs.195364	NM_000249	ENSG0000C	MLH1	COCA2|FCC	mutL homc	protein-coding
chr3-3818	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr3	38184017	38187100	+		0	NA	intron (N	AluSz6|SI	20021	NM_005109	9943	Hs.475970	NM_005109	ENSG0000C	OXSR1	OSR1	oxidative	protein-coding
chr3-1119	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr3	1.12E+08	1.12E+08	+		0	NA	non-codir	non-codir	7298	NR_073571	55347	Hs.477115	NM_018394	ENSG0000C	ABHD10	-	abhydrola	protein-coding
chr3-1559	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr3	1.56E+08	1.56E+08	+		0	NA	intron (N	intron (N	62036	NM_003875	8833	Hs.591314	NM_003875	ENSG0000C	GMPS	GATD7	guanine m	protein-coding
chr3-1936	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr3	1.94E+08	1.94E+08	+		0	NA	intron (N	intron (N	12009	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG0000C	OPA1-AS1	-	OPA1 anti	ncRNA
chr4-1658	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr4	16584270	16584964	+		0	NA	intron (N	intron (N	314028	NM_001130	9079	Hs.714330	NM_001290	ENSG0000C	LDB2	CLIM1|LDE	LIM domai	protein-coding
chr5-1462	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr5	1.46E+08	1.46E+08	+		0	NA	intron (N	intron (N	51537	NM_018989	54439	Hs.61441	NM_018989	ENSG0000C	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr7-1277	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr7	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	72805	NM_014390	27044	Hs.122523	NM_014390	ENSG0000C	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-1331	5.426501	-0.75891	0.993771	-0.76367	0.445067	0.981636	chr8	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	6200	NM_080838	8840	Hs.492974	NM_003882	ENSG0000C	CCN4	WISP1|WIS	cellular	protein-coding
chr11-460	4.693084	0.823886	1.079166	0.763447	0.445197	0.981636	chr11	46076488	46077312	+		0	NA	intron (N	intron (N	43919	NM_001352	51317	Hs.502458	NM_016621	ENSG0000C	PHF21A	BHC80|BM-	PHD finge	protein-coding
chr13-480	9.700377	0.576278	0.754868	0.763415	0.445216	0.981636	chr13	48066483	48067117	+		0	NA	Intergeni	MER61C|LT	-10337	NR_046511	1.01E+08	Hs.616241	NR_046511	ENSG0000C	MED4-AS1	MED4-AS	MED4 anti	ncRNA
chr9-1364	10.64834	-0.5558	0.728127	-0.76333	0.445264	0.981636	chr9	1.36E+08	1.36E+08	+		0	NA	intron (N	intron (N	-18671	NM_152571	158055	Hs.212613	NM_152571		C9orf163	-	chromosom	protein-coding
chr1-2066	15.1927	0.475998	0.623907	0.762931	0.445504	0.981636	chr1	2.07E+08	2.07E+08	+		0	NA	exon (NM_	exon (NM_	12454	NM_001004	8444	Hs.164267	NM_003582	ENSG0000C	DYRK3	DYRK5|RED	dual spec	protein-coding
chr12-504	9.152942	0.591873	0.775906	0.762816	0.445573	0.981636	chr12	50430508	50432841	+		0	NA	intron (N	AluSq2|SI	-24897	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr14-102	9.152942	0.591873	0.775906	0.762816	0.445573	0.981636	chr14	1.02E+08	1.02E+08	+		0	NA	intron (N	AluSz|SIN	7887	NM_032630	51550	Hs.129634	NM_032630	ENSG0000C	CINP	-	cyclin de	protein-coding
chr2-7374	9.152942	0.591873	0.775906	0.762816	0.445573	0.981636	chr2	73745816	73746425	+		0	NA	Intergeni	LTR16D1|I	-8714	NM_001330	51002	Hs.157401	NM_016058	ENSG0000C	TPRKB	CGI-121|C	TP53RK bi	protein-coding
chr6-3196	9.152942	0.591873	0.775906	0.762816	0.445573	0.981636	chr6	31960646	31965111	+		0	NA	intron (N	intron (N	3703	NM_006929	6499	Hs.89864	NM_006929	ENSG0000C	SKIV2L	170A|DDX1	Ski2 like	protein-coding
chr6-1108	11.08438	-0.54041	0.708452	-0.7628	0.445584	0.981636	chr6	1.11E+08	1.11E+08	+		0	NA	exon (NM_	exon (NM_	17961	NM_001287	262	Hs.159118	NM_001634	ENSG0000C	AMD1	ADOMETDC|	adenosylm	protein-coding
chr15-282	8.269319	0.665934	0.873204	0.762633	0.445682	0.981636	chr15	28214382	28214715	+		0	NA	intron (N	CpG	107604	NM_004667	8924	Hs.434890	NM_004667	ENSG0000C	HERC2	D15F37S1|	HECT and	protein-coding
chr13-112	6.393143	0.708788	0.929564	0.762495	0.445764	0.981636	chr13	1.13E+08	1.13E+08	+		0	NA	intron (N	intron (N	-62778	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG0000C	ATP11A-AS	-	ATP11A ar	ncRNA
chr5-1346	6.393143	0.708788	0.929564	0.762495	0.445764	0.981636	chr5	1.35E+08	1.35E+08	+		0	NA	intron (N	AluSx4|SI	16524	NM_021982	10802	Hs.595540	NM_021982	ENSG0000C	SEC24A	-	SEC24 hom	protein-coding
chr9-1238	6.393143	0.708788	0.929564	0.762495	0.445764	0.981636	chr9	1.24E+08	1.24E+08	+		0	NA	intron (N	L1MEd|LIN	82549	NM_001352	57706	Hs.744995	NM_020946	ENSG0000C	DENND1A	FAM31A|KI	DENN doma	protein-coding
chr6-3868	7.085606	-0.67878	0.890293	-0.76243	0.445805	0.981636	chr6	38680111	38680903	+		0	NA	intron (N	AluSp|SIN	22638	NM_006708	2739	Hs.268849	NM_006708	ENSG0000C	GLO1	GLOD1|GLY	glyoxalas	protein-coding
chr9-1205	7.085606	-0.67878	0.890293	-0.76243	0.445805	0.981636	chr9	1.21E+08	1.21E+08	+		0	NA	intron (N	L1PA4|LIN	64078	NR_073558	55755	Hs.269560	NM_018249	ENSG0000C	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr1-1542	12.41719	0.512322	0.672037	0.762342	0.445856	0.981636	chr1	1.54E+08	1.54E+08	+		0	NA	intron (N	MER21B|LT	-15513	NR_145714	1.1E+08		NR_145714	ENSG0000C	SNORA58B	-	small nuc	snoRNA
chr1-1802	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr1	1.8E+08	1.8E+08	+		0	NA	promoter-	promoter-	-722	NR_037642	1.01E+08	Hs.496545	NR_037642	ENSG0000C	LHX4-AS1	-	LHX4 anti	ncRNA
chr11-111	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr11	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	19013	NM_033425	85458	Hs.655626	NM_033425	ENSG0000C	DIXDC1	CCD1	DIX domai	protein-coding
chr16-878	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr16	87839961	87840863	+		0	NA	intron (N	intron (N	-5752	NR_106833	1.02E+08		NR_106833	ENSG0000C	MIR6775	hsa-mir-6	microRNA	ncRNA
chr19-184	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr19	18460907	18461106	+		0	NA	intron (N	intron (N	-22873	NR_045574	51477	Hs.405873	NM_016368	ENSG0000C	ISYNA1	INO1|INOS	inositol-	protein-coding
chr2-9240	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr2	92406009	92406806	+		0	NA	Intergeni	ALR/Alpha	465274	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-620	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr20	62006491	62007627	+		0	NA	intron (N	L1MA4A|LI	-53397	NR_031658	1E+08		NR_031658	ENSG0000C	MIR1257	MIRN1257|	microRNA	ncRNA
chr3-1958	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chr3	1.96E+08	1.96E+08	+		0	NA	TTS (NR_1	TTS (NR_1	109	NR_106887	1.02E+08		NR_106887	ENSG0000C	MIR6829	hsa-mir-6	microRNA	ncRNA
chrX-1295	6.989576	0.676298	0.88759	0.761949	0.44609	0.981636	chrX	1.3E+08	1.3E+08	+		0	NA	intron (N	AluSg|SIN	19711	NM_001282	6594	Hs.152292	NM_003069	ENSG0000C	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr1-2440	11.35745	0.541071	0.710202	0.761855	0.446146	0.981636	chr1	2.44E+08	2.44E+08	+		0	NA	exon (NM_	exon (NM_	1215	NM_006352	10472	Hs.69997	NM_006352	ENSG0000C	ZBTB18	C2H2-171|	zinc fing	protein-coding
chr10-934	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr10	93460162	93460736	+		0	NA	intron (N	L2c|LINE|	21885	NM_013451	26509	Hs.602086	NM_013451	ENSG0000C	MYOF	FER1L3	myoferlir	protein-coding
chr12-955	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr12	95506392	95507473	+		0	NA	intron (N	AluSx|SIN	32780	NM_001317	10988	Hs.444986	NM_006838	ENSG0000C	METAP2	MAP2|MNPE	methionyl	protein-coding
chr12-110	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr12	1.1E+08	1.1E+08	+		0	NA	intron (N	AluSz6|SI	13062	NR_148517	400073	Hs.44817	NM_207435	ENSG0000C	C12orf76	-	chromosom	protein-coding
chr13-793	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr13	79357693	79359605	+		0	NA	intron (N	intron (N	47572	NM_001286	64062	Hs.558528	NM_018605	ENSG0000C	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr13-106	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr13	1.07E+08	1.07E+08	+		0	NA	intron (N	intron (N	13211	NM_018011	55082	Hs.508644	NM_018011	ENSG0000C	ARGLU1	-	arginine	protein-coding
chr14-608	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr14	60851298	60852512	+		0	NA	intron (N	L1PA8|LIN	117144	NM_002431	4331	Hs.509523	NM_002431	ENSG0000C	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr15-518	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr15	51872210	51873390	+		0	NA	intron (N	intron (N	43147	NM_014547	29766	Hs.4998	NM_014547	ENSG0000C	TMOD3	UTMOD	tropomodu	protein-coding
chr17-322	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr17	32201518	32202282	+		0	NA	intron (N	intron (N	-50329	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr2-6118	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr2	61188480	61190634	+		0	NA	TTS (NR_1	TTS (NR_1	12139	NR_152211	130872	Hs.655602	NM_152392	ENSG0000C	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-7421	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr2	74212788	74216669	+		0	NA	non-codir	non-codir	16113	NM_006636	10797	Hs.469030	NM_006636	ENSG0000C	MTHFD2	NMDMC	methylene	protein-coding
chr2-2162	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr2	2.16E+08	2.16E+08	+		0	NA	intron (N	intron (N	-16450	NR_037701	150967	Hs.56876	NM_001199	ENSG0000C	LINC01963	PKI55	long inte	ncRNA
chr3-4568	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr3	45682147	45682667	+		0	NA	3’ UTR (N	3’ UTR (N	6475	NR_033947	644714	Hs.712889	NR_033947		LIMD1-AS1	-	LIMD1 ant	ncRNA
chr3-1252	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr3	1.25E+08	1.25E+08	+		0	NA	intron (N	L2a|LINE|	69539	NM_001348	7707	Hs.592591	NM_021964	ENSG0000C	ZNF148	BERF-1|BF	zinc fing	protein-coding
chr3-1944	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr3	1.94E+08	1.94E+08	+		0	NA	intron (N	intron (N	-8372	NM_004488	2814	Hs.73734	NM_004488	ENSG0000C	GP5	CD42d|GPV	glycoprot	protein-coding
chr5-5366	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr5	53665272	53665482	+		0	NA	intron (N	L1PA4|LIN	104738	NR_134474	4724	Hs.528222	NM_002495	ENSG0000C	NDUFS4	AQDQ|CI-1	NADH:ubic	protein-coding
chr5-1135	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr5	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	21852	NM_001345	64848	Hs.231942	NM_022828	ENSG0000C	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-1168	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr7	1.17E+08	1.17E+08	+		0	NA	intron (N	L1M5|LINE	37811	NM_006136	830	Hs.446123	NM_006136	ENSG0000C	CAPZA2	CAPPA2|CA	capping a	protein-coding
chr8-1792	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr8	17929353	17930320	+		0	NA	intron (N	MER44A|DN	6848	NM_001352	5108	Hs.491148	NM_006197	ENSG0000C	PCM1	PTC4|RET/	pericentr	protein-coding
chr8-6155	7.136453	-0.66388	0.871709	-0.76158	0.44631	0.981636	chr8	61550857	61556239	+		0	NA	intron (N	intron (N	136263	NM_001164	444	Hs.332422	NM_004318	ENSG0000C	ASPH	AAH|BAH|C	aspartate	protein-coding
chr5-1333	17.808	-0.43821	0.575606	-0.76131	0.446474	0.981636	chr5	1333320	1333924	+		0	NA	intron (N	intron (N	11477	NM_030782	81037	Hs.444673	NM_030782	ENSG0000C	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr1-1478	8.623072	0.615717	0.808934	0.761146	0.44657	0.981636	chr1	1478607	1478823	+		0	NA	exon (NM_	exon (NM_	866	NM_001317	83858	Hs.729021	NM_031921	ENSG0000C	ATAD3B	AAA-TOB3|	ATPase fa	protein-coding
chr22-413	9.219505	0.597044	0.784544	0.761008	0.446652	0.981636	chr22	41304920	41305177	+		0	NA	intron (N	AluSx1|SI	-2679	NM_001317	5905	Hs.183800	NM_002883	ENSG0000C	RANGAP1	Fug1|RANC	Ran GTPas	protein-coding
chr4-2832	9.219505	0.597044	0.784544	0.761008	0.446652	0.981636	chr4	2832012	2833000	+		0	NA	intron (N	intron (N	-11338	NM_001354	118	Hs.183706	NM_001119	ENSG0000C	ADD1	ADDA	adducin 1	protein-coding
chr20-281	7.142461	-0.67838	0.891539	-0.76091	0.446709	0.981636	chr20	28133309	28134105	+		0	NA	Intergeni	ALR/Alpha	468958	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000C	FRG1CP	-	FSHD regi	pseudo
chr1-8419	8.871829	-0.60068	0.789493	-0.76084	0.446751	0.981636	chr1	8419659	8420891	+		0	NA	intron (N	FLAM_A|SI	3557	NM_001042	473	Hs.463041	NM_012102	ENSG0000C	RERE	ARG|ARP|A	arginine-	protein-coding
chr11-352	8.871829	-0.60068	0.789493	-0.76084	0.446751	0.981636	chr11	35212462	35213336	+		0	NA	intron (N	AluSz|SIN	49949	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr17-604	8.871829	-0.60068	0.789493	-0.76084	0.446751	0.981636	chr17	60486854	60488761	+		0	NA	intron (N	L1PA6|LIN	38433	NM_001282	10513	Hs.84084	NM_006380	ENSG0000C	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr20-358	5.442217	-0.76332	1.003502	-0.76066	0.446861	0.981636	chr20	35847066	35848234	+		0	NA	intron (N	intron (N	75635	NM_016436	51230	Hs.517044	NM_016436	ENSG0000C	PHF20	C20orf104	PHD finge	protein-coding
chr5-7154	6.600575	-0.7167	0.942638	-0.76032	0.447066	0.981636	chr5	71547010	71547344	+		0	NA	intron (N	L1MC4|LIN	-40163	NM_022132	64087	Hs.604789	NM_022132	ENSG0000C	MCCC2	MCCB	methylcrc	protein-coding
chr8-1858	6.600575	-0.7167	0.942638	-0.76032	0.447066	0.981636	chr8	1858517	1858761	+		0	NA	intron (N	intron (N	34713	NM_001308	9639	Hs.98594	NM_014629	ENSG0000C	ARHGEF10	GEF10|SNC	Rho guani	protein-coding
chr1-4004	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr1	40049086	40051713	+		0	NA	intron (N	intron (N	9548	NM_001350	10487	Hs.370581	NM_006367	ENSG0000C	CAP1	CAP|CAP1-	cyclase a	protein-coding
chr1-5191	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr1	51912998	51915240	+		0	NA	3’ UTR (N	3’ UTR (N	-35182	NM_002525	4898	Hs.584782	NM_002525	ENSG0000C	NRDC	NRD1|hNRD	nardilysi	protein-coding
chr1-1090	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr1	1.09E+08	1.09E+08	+		0	NA	intron (N	intron (N	34548	NM_001142	22911	Hs.570055	NM_014969	ENSG0000C	WDR47	-	WD repeat	protein-coding
chr11-186	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	18607579	18608512	+		0	NA	3’ UTR (N	3’ UTR (N	8256	NR_038360	1.01E+08	Hs.585529	NM_001355	ENSG0000C	SPTY2D1OS	SPTY2D1-A	SPTY2D1 c	protein-coding
chr11-330	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	33090636	33091616	+		0	NA	intron (N	Tigger19b	14976	NR_015451	283267	Hs.533701	NR_015451	ENSG0000C	LINC00294	NCRNA0029	long inte	ncRNA

chr11-349	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	34974197	34974894	+	0	NA	intron (N	L1MB3|LIN	32708	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-937	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	93723671	93725468	+	0	NA	intron (N	AluSz6|SI	3055	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Ca	ncRNA
chr11-122	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	CR1-3_Cro	-12351	NM_001001	414899	Hs.686109	NM_001001	ENSG00000	BLID	BRCC2	BH3-like	protein-coding
chr11-126	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	13941	NM_003139	6734	Hs.368376	NM_003139	ENSG00000	SRPRA	DP|SRPR|S	SRP recep	protein-coding
chr11-134	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	31718	NM_015261	23310	Hs.438550	NM_015261	ENSG00000	NCAPD3	CAP-D3|CA	non-SMC c	protein-coding
chr12-637	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr12	63782132	63783014	+	0	NA	intron (N	MLT1D-int	2447	NM_001278	10329	Hs.216386	NM_014254	ENSG00000	RXYLT1	HP10481|N	ribitol x	protein-coding
chr12-640	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr12	64044904	64045739	+	0	NA	intron (N	intron (N	176975	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-110	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	16272	NM_013300	29902	Hs.436618	NM_013300	ENSG00000	FAM216A	C12orf24|	family wi	protein-coding
chr15-430	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr15	43050068	43050702	+	0	NA	intron (N	L1PA13|LI	55653	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-587	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr15	58778791	58779479	+	0	NA	intron (N	FLAM_C|SI	7833	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr16-292	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr16	29214471	29215885	+	0	NA	Intergeni	AluY|SINE	-87109	NR_002939	440352	Hs.658149	NR_002939		SNX29P2	RUNDC2C	sorting r	pseudo
chr16-564	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr16	56445080	56445596	+	0	NA	intron (N	L1MA2|LIN	5994	NM_007006	11051	Hs.528834	NM_007006	ENSG00000	NUDT21	CFIM25|CF	nudix hyd	protein-coding
chr17-632	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr17	63286992	63287681	+	0	NA	intron (N	L1MEc|LIN	152931	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-8758	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr2	87586035	87590979	+	0	NA	Intergeni	L1ME2z|LI	-41248	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr2-1611	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	L1PA2|LIN	25350	NM_001199	10010	Hs.132257	NM_004180	ENSG00000	TANK	I-TRAF|IT	TRAF fami	protein-coding
chr2-1975	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	Intergeni	L1PA6|LIN	46415	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr20-368	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr20	36897129	36897840	+	0	NA	intron (N	intron (N	21346	NM_080628	140711	Hs.472630	NM_080628	ENSG00000	TLDC2	C20orf118	TBC/LysM-	protein-coding
chr3-4765	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr3	47657908	47659275	+	0	NA	intron (N	L1MB7|LIN	3103	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-1112	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	Intergeni	Intergeni	131483	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr3-1247	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	41192	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA
chr3-1490	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	AluY|SINE	41477	NM_004130	2992	Hs.477892	NM_004130	ENSG00000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr4-5543	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr4	55434230	55435682	+	0	NA	3’ UTR (N	3’ UTR (N	38999	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr4-9421	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr4	94217682	94218529	+	0	NA	intron (N	intron (N	10021	NR_045644	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr5-5542	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr5	55428096	55429262	+	0	NA	intron (N	intron (N	80247	NR_049869	1.01E+08		NR_049869	ENSG00000	MIR5687	-	microRNA	ncRNA
chr7-2319	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr7	23198289	23198961	+	0	NA	intron (N	intron (N	16577	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr7-1276	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	L2b|LINE|	38129	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr7-1395	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	3’ UTR (N	3’ UTR (N	41172	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr9-9742	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr9	97429475	97430427	+	0	NA	intron (N	L1ME4c|LI	17855	NM_014290	23424	Hs.193842	NM_014290	ENSG00000	TDRD7	CATC4|PCT	tudor dom	protein-coding
chr9-1047	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	-6623	NR_130759	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3E	FP944|NIF	nipsnap h	protein-coding
chrX-1009	5.418643	-0.7567	0.996118	-0.75965	0.447465	0.981636	chrX	10091159	10091944	+	0	NA	intron (N	MLT1C|LTR	-65394	NM_001256	1183	Hs.495674	NM_001830	ENSG00000	CLCN4	CLC4|ClC-	chloride	protein-coding
chr18-242	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chr18	24235686	24236562	+	0	NA	intron (N	MLT1D|LTR	36108	NM_018030	114876	Hs.370725	NM_018030	ENSG00000	OSBPL1A	ORP-1|ORP	oxysterol	protein-coding
chr19-155	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chr19	1555619	1556081	+	0	NA	exon (NM_	exon (NM_	12208	NM_203304	399664	Hs.436495	NM_203304	ENSG00000	MEX3D	MEX-3D|ME	mex-3 RNA	protein-coding
chr19-756	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chr19	7560447	7562060	+	0	NA	exon (NM_	exon (NM_	25536	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr22-439	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chr22	43929885	43930359	+	0	NA	intron (N	intron (N	6317	NM_025225	80339	Hs.654800	NM_025225	ENSG00000	PNPLA3	ADPN|C22o	patatin l	protein-coding
chr7-9945	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chr7	99456452	99456963	+	0	NA	3’ UTR (N	3’ UTR (N	9460	NM_001198	1.01E+08		NM_001198	ENSG00000	ATP5MF-PT	ATP5J2-PT	ATP5MF-PT	protein-coding
chrX-1682	6.434283	0.709595	0.934381	0.759428	0.447597	0.981636	chrX	16820963	16821651	+	0	NA	intron (N	AluSc8|SI	34841	NM_018360	55787	Hs.555961	NM_018360	ENSG00000	TXLNG	CXorf15|E	taxilin g	protein-coding
chr11-106	8.920826	-0.59908	0.789037	-0.75926	0.447698	0.981636	chr11	10612072	10618159	+	0	NA	intron (N	L1PA5|LIN	37186	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr5-1433	8.920826	-0.59908	0.789037	-0.75926	0.447698	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	3328	NM_001364	2908	Hs.122926	NM_000176	ENSG00000	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr19-388	6.492988	0.719115	0.947139	0.75925	0.447703	0.981636	chr19	38825491	38825995	+	0	NA	intron (N	HERV9NC-i	6051	NM_001398	1891	Hs.196176	NM_001398	ENSG00000	ECH1	HPXEL	enoyl-CoA	protein-coding
chr17-548	8.838547	-0.60511	0.797107	-0.75914	0.447769	0.981636	chr17	5488272	5490040	+	0	NA	exon (NM_	exon (NM_	2263	NM_024039	79003	Hs.267194	NM_024039	ENSG00000	MIS12	2510025F0	MIS12 kin	protein-coding
chr14-311	6.70042	-0.69807	0.919622	-0.75909	0.4478	0.981636	chr14	31135644	31136507	+	0	NA	intron (N	intron (N	71718	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr6-3064	8.369233	-0.63315	0.834432	-0.75879	0.447981	0.981636	chr6	30640286	30640593	+	0	NA	intron (N	intron (N	-6694	NM_001109	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromosom	protein-coding
chr10-100	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	12082	NM_001347	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr12-122	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx|SIN	-57289	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr19-101	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr19	10156042	10157794	+	0	NA	intron (N	intron (N	-37019	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr2-6906	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr2	69066166	69066430	+	0	NA	intron (N	AluSp|SIN	-37384	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr4-7705	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr4	77053365	77053803	+	0	NA	intron (N	intron (N	21326	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr5-1682	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr5	16829266	16829554	+	0	NA	intron (N	intron (N	106878	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr9-1546	7.103171	-0.6695	0.882419	-0.75871	0.448024	0.981636	chr9	15466241	15466669	+	0	NA	non-codin	non-codin	43579	NR_161442	6619	Hs.546299	NM_003084	ENSG00000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr2-3015	9.716093	0.572945	0.755244	0.758622	0.448079	0.981636	chr2	30156661	30158340	+	0	NA	intron (N	MamRep605	10493	NM_016061	51646	Hs.515890	NM_016061	ENSG00000	YPEL5	CGI-127	yippee li	protein-coding
chr2-1595	9.716093	0.572945	0.755244	0.758622	0.448079	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	L1M4|LINE	-72954	NR_110587	643072	Hs.632541	NR_110587		LOC643072	-	uncharact	ncRNA
chr3-1231	9.716093	0.572945	0.755244	0.758622	0.448079	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	36030	NR_028444	10954	Hs.477352	NM_006810	ENSG00000	PDIA5	PDIR	protein c	protein-coding
chr11-660	11.11766	-0.53693	0.707817	-0.75857	0.448109	0.981636	chr11	6608292	6609091	+	0	NA	3’ UTR (N	3’ UTR (N	3525	NM_006284	6881	Hs.5158	NM_006284	ENSG00000	TAF10	TAF2A|TAF	TATA-box	protein-coding
chr1-1181	8.475086	-0.63094	0.832215	-0.75814	0.448365	0.981636	chr1	11819236	11819533	+	0	NA	intron (N	intron (N	13193	NM_001286	1185	Hs.193043	NM_001286	ENSG00000	CLCN6	CLC-6	chloride	protein-coding
chr5-1541	8.402514	-0.62835	0.828807	-0.75814	0.448368	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	4747	NM_198321	55568	Hs.631797	NM_017540	ENSG00000	GALNT10	GALNACT10	polypepti	protein-coding
chr1-1512	9.682812	0.570439	0.752699	0.757858	0.448536	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSg|SIN	10852	NM_001135	8394	Hs.655131	NM_003557	ENSG00000	PIP5K1A	-	phosphati	protein-coding
chr1-1800	9.682812	0.570439	0.752699	0.757858	0.448536	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1M5|LINE	-78821	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2077	9.682812	0.570439	0.752699	0.757858	0.448536	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	L1PA14|LI	23892	NR_029832	407026		NR_029832	ENSG00000	MIR29C	MIRN29C|m	microRNA	ncRNA
chr4-5057	9.682812	0.570439	0.752699	0.757858	0.448536	0.981636	chr4	505704	507769	+	0	NA	intron (N	intron (N	7526	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr11-104	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr11	10468107	10468306	+	0	NA	intron (N	L1PA7|LIN	7075	NM_001172	272	Hs.501890	NM_000480	ENSG00000	AMPD3	-	adenosine	protein-coding
chr12-954	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr12	95488463	95489952	+	0	NA	intron (N	intron (N	15055	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr13-973	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr13	97387442	97387803	+	0	NA	intron (N	intron (N	-46547	NR_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr14-347	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr14	34783184	34783551	+	0	NA	intron (N	intron (N	-68544	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr15-596	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr15	59647918	59648983	+	0	NA	intron (N	intron (N	8855	NM_001320	2958	Hs.512934	NM_004492	ENSG00000	GTF2A2	HsT18745|	general t	protein-coding
chr15-672	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr15	67245208	67246670	+	0	NA	intron (N	intron (N	8722	NM_024666	79719	Hs.254642	NM_024666	ENSG00000	AAGAB	KPPP1|PPK	alpha and	protein-coding
chr15-700	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr15	70090861	70091289	+	0	NA	intron (N	MIR3|SINE	3714	NM_001282	7090	Hs.287362	NM_005078	ENSG00000	TLE3	ESG|ESG3|	TLE famil	protein-coding
chr7-4169	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr7	41693908	41694921	+	0	NA	intron (N	intron (N	495	NR_027118	285954	Hs.656869	NR_027118	ENSG00000	INHBA-AS1	-	INHBA ant	ncRNA
chr9-7830	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr9	78308155	78308614	+	0	NA	intron (N	intron (N	11259	NM_021154	29968	Hs.494261	NM_021154	ENSG00000	PSAT1	EPIP|NLS2	phosphose	protein-coding
chr9-9354	5.385361	-0.7642	1.008556	-0.75772	0.448618	0.981636	chr9	93546144	93548394	+	0	NA	intron (N	intron (N	-29315	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr10-127	6.659281	-0.70227	0.926987	-0.75758	0.448704	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSz|SIN	118210	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|c	dedicator	protein-coding
chr10-130	6.659281	-0.70227	0.926987	-0.75758	0.448704	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	10016	NM_001321	10539	Hs.42644	NM_006541	ENSG00000	GLRX3	GLRX4|GRX	glutaredo	protein-coding
chr1-1120	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr1	11206843	11207499	+	0	NA	intron (N	AluJb|SIN	17816	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-2243	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSq2|SI	15257	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr11-639	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr11	63997625	63998827	+	0	NA	TTS (NM_0	TTS (NM_0	12373	NR_003089	55611	Hs.473788	NM_017670	ENSG00000	OTUB1	HSPC263|C	OTU deubi	protein-coding
chr13-321	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr13	32173299	32174250	+	0	NA	intron (N	intron (N	138180	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr16-580	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr16	58010135	58010862	+	0	NA	intron (N	MER21C|LT	9091	NM_001204	79650	Hs.408702	NM_024598	ENSG00000	USB1	C16orf57|	U6 snRNA	protein-coding
chr17-470	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr17	47093032	47093543	+	0	NA	Intergeni	L1M4|LINE	96008	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr19-139	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr19	1390378	1392140	+	0	NA	intron (N	CpG-13037	7352	NM_001363	374291	Hs.211914	NM_024407	ENSG00000	NDUFS7	CI-20|CI-	NADH:ubic	protein-coding
chr20-373	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr20	37397777	37398619	+	0	NA	intron (N	intron (N	52070	NM_198291	6714	Hs.195659	NM_005417	ENSG00000	SRC	ASV|SRC1|	SRC proto	protein-coding
chr22-409	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr22	40918316	40919063	+	0	NA	intron (N	AluSx1|SI	-32689	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr3-1720	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	37989	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PF	fibronect	protein-coding
chr5-7299	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr5	72993609	72994604	+	0	NA	intron (N	L1PREC2|L	38065	NM_001146	115548	Hs.165762	NM_138782	ENSG00000	FCHO2	-	FCH domai	protein-coding
chr5-1512	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15830	NM_000405	2760	Hs.483873	NM_000405	ENSG00000	GM2A	GM2-AP|SA	GM2 gangl	protein-coding
chr6-4952	6.923013	0.669717	0.884037	0.757566	0.448711	0.981636	chr6	4952612	4952900	+	0	NA	intron (N	intron (N	-51060	NR_126015	1E+08	Hs.131700	NR_126015	ENSG00000	LYRM4-AS1	-	LYRM4 ant	ncRNA
chr8-3820	6.394993	0.722693	0.95441	0.757214	0.448922	0.981636	chr8	38208182	38208501	+	0	NA	intron (N	AluY|SINE	-23150	NM_001164	23259	Hs.434966	NM_015214	ENSG00000	DDHD2	SAMWD1|SF	DDHD doma	protein-coding
chr13-106	7.177593	-0.66007	0.872242	-0.75675	0.449199	0.981636	chr13	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	9487	NM_018011	55082	Hs.508644	NM_018011	ENSG00000	ARGLU1	-	arginine	protein-coding
chr19-471	7.177593	-0.66007	0.872242	-0.75675	0.449199	0.981636	chr19	47180885	47181170	+	0	NA	intron (N	L1MC4a|LI	-45915	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr22-415	7.177593	-0.66007	0.872242	-0.75675	0.449199	0.981636	chr22	41534487	41534777	+	0	NA	intron (N	AluSq2|SI	9838	NM_001018	171568	Hs.712617	NM_138338	ENSG00000	POLR3H	RPC22.9|R	RNA polym	protein-coding
chr6-3475	7.177593	-0.66007	0.872242	-0.75675	0.449199	0.981636	chr6	34759319	34759844	+	0	NA	intron (N	Charlie1a	2076	NM_003093	6631	Hs.1063	NM_003093	ENSG00000	SNRPC	U1C|Yhc1	small nuc	protein-coding
chr8-6150	7.177593	-0.66007	0.872242	-0.75675	0.449199	0.981636	chr8	61503528	61503998	+	0	NA	intron (N	intron (N	186048	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr17-812	6.401001	0.706105	0.9332	0.756649	0.44926	0.981636	chr17	81287912	81289025	+	0	NA	intron (N	intron (N	6839	NM_001037	124565	Hs.352240	NM_138570	ENSG00000	SLC38A10	PP1744	solute ca	protein-coding
chr9-8905	6.401001	0.706105	0.9332	0.756649	0.44926	0.981636	chr9	89051742	89052301	+	0	NA	intron (N	intron (N	60553	NM_005226	1903	Hs.585118	NM_005226	ENSG00000	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr15-962	8.443654	-0.62505	0.826248	-0.75649	0.449357	0.981636	chr15	96281701	96281900	+	0	NA	intron (N	THE1B|LTR	-44246	NM_001145	7026	Hs.347991	NM_021005	ENSG00000	NR2F2	ARP-1|ARP	nuclear r	protein-coding
chr14-228	9.1608	0.590044	0.780009	0.756458	0.449375	0.981636	chr14	22873561	22876516	+	0	NA	intron (N	intron (N	3298	NM_014045	26020	Hs.525232	NM_014045	ENSG00000	LRP10	LRP-10|LR	LDL recep	protein-coding
chr19-556	9.1608	0.590044	0.780009	0.756458	0.449375	0.981636	chr19	55609205	55610665	+	0	NA	Intergeni	Intergeni	-3658	NM_001195	1.01E+08	Hs.729114	NM_001195	ENSG00000	ZNF865	-	zinc fing	protein-coding
chr3-3727	9.1608	0.590044	0.780009	0.756458	0.449375	0.981636	chr3	37275949	37276191	+	0	NA	intron (N	intron (N	-31875	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr7-1073	9.1608	0.590044	0.780009	0.756458	0.449375	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	MER52A|LT	-110047	NM_005295	2845	Hs.657277	NM_005295	ENSG00000	GPR22	-	G protein	protein-coding
chr16-225	12.95676	0.505501	0.668282	0.756419	0.449398	0.981636	chr16	22514061	22514309	+	0	NA	intron (N	intron (N	662	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr1-3168	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr1	31684727	31687927	+	0	NA	intron (N	intron (N	17690	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr13-412	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr13	41259538	41259936	+	0	NA	intron (N	intron (N	3839	NM_004294	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochond	protein-coding
chr16-752	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr16	75235995	75237332	+	0	NA	intron (N	intron (N	1997	NM_001170	9564	Hs.479747	NM_014567	ENSG00000	BCAR1	CAS|CAS1|	BCAR1 sca	protein-coding
chr17-819	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr17	81920435	81921405	+	0	NA	3’ UTR (N	3’ UTR (N	2546	NM_032711	4097	Hs.252229	NM_002359	ENSG00000	MAFG	hMAF	MAF bZIP	protein-coding
chr19-199	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr19	19923170	19923453	+	0	NA	intron (N	L1PA5|LIN	22365	NM_031218	81931	Hs.301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr20-328	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr20	32842107	32842803	+	0	NA	intron (N	MIRb|SINE	-16468	NM_001143	388795		NM_001143	ENSG00000	EFCAB8	-	EF-hand c	protein-coding
chr20-369	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr20	36904116	36904894	+	0	NA	intron (N	AluSx1|SI	28367	NM_080628	140711	Hs.472630	NM_080628	ENSG00000	TLDC2	C20orf118	TBC/LysM-	protein-coding
chr4-8245	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr4	82456064	82457644	+	0	NA	intron (N	intron (N	26264	NM_021204	58478	Hs.18442	NM_021204	ENSG00000	ENOPH1	E1|MASA|M	enolase-p	protein-coding
chr4-1692	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	6238	NM_020870	57630	Hs.301804	NM_020870	ENSG00000	SH3RF1	POSH|RNF1	SH3 domai	protein-coding
chr5-1326	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2192	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr6-5659	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr6	56594815	56595870	+	0	NA	intron (N	L2a|LINE|	47547	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-1093	7.169735	-0.65837	0.870488	-0.75632	0.449455	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	Intergeni	Intergeni	16530	NM_001346	8763	Hs.520313	NM_006016	ENSG00000	CD164	DFNA66|MC	CD164 mol	protein-coding
chr13-200	8.905111	-0.59627	0.78868	-0.75603	0.449631	0.981636	chr13	20020004	20020595	+	0	NA	intron (N	AluSp|SIN	60485	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|R	zinc fing	protein-coding
chr1-2343	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr1	23431333	23435807	+	0	NA	intron (N	intron (N	-8822	NM_003196	6920	Hs.446354	NM_003196	ENSG00000	TCEA3	TFIIS|TFI	transcrip	protein-coding
chr16-856	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr16	85655188	85659284	+	0	NA	intron (N	intron (N	31718	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|P	GINS comp	protein-coding
chr16-862	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr16	86274395	86275541	+	0	NA	intron (N	intron (N	11279	NR_104139	1.01E+08	Hs.640512	NR_104139		LINC01081	TCONS0002	long inte	ncRNA
chr17-395	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr17	39564806	39565158	+	0	NA	Intergeni	Intergeni	42938	NM_006160	4761	Hs.322431	NM_006160	ENSG00000	NEUROD2	EIEE72|NE	neuronal	protein-coding
chr18-763	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr18	76369878	76372370	+	0	NA	intron (N	intron (N	-120528	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-196	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr19	19644931	19645440	+	0	NA	TTS (NM_0	TTS (NM_0	-1528	NM_016573	51291	Hs.49427	NM_016573	ENSG00000	GMIP	ARHGAP46	GEM inter	protein-coding
chr19-556	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr19	55670153	55670432	+	0	NA	intron (N	intron (N	-4903	NM_001321	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-5559	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr2	55597678	55597949	+	0	NA	intron (N	AluSp|SIN	19809	NM_001122	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-6987	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr2	69872620	69872911	+	0	NA	intron (N	L3|LINE|C	-21191	NR_037862	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr2-1591	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-7456	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2303	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	33603	NM_001352	93349	Hs.589661	NM_138402	ENSG00000	SP140L	-	SP140 nuc	protein-coding
chr22-207	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr22	20726363	20729815	+	0	NA	intron (N	L1MA1|LIN	26975	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AP	transmemb	pseudo

chr22-219	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr22	21973407	21975159	+	0	NA	intron (N	intron (N	8504	NM_001349	8940	Hs.436401	NM_003935	ENSG00000	TOP3B	TOP3B1	DNA topoi	protein-coding
chr4-1060	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	LTR12C|LT	-69225	NR_125928	1.02E+08	Hs.631131	NR_125928	ENSG00000	LOC101929	-	uncharact	ncRNA
chr6-5298	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr6	52982787	52983873	+	0	NA	intron (N	intron (N	11954	NM_001512	2941	Hs.485557	NM_001512	ENSG00000	GSTA4	GSTA4-4|	glutathio	protein-coding
chr7-1435	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr7	1435577	1438658	+	0	NA	intron (N	intron (N	22353	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr9-1330	6.964152	0.670642	0.887225	0.755888	0.449717	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2821	NR_106937	1.02E+08		NR_106937	ENSG00000	MIR6877	hsa-mir-6	microRNA	ncRNA
chr4-7145	5.359938	-0.77435	1.024736	-0.75566	0.449855	0.981636	chr4	71455515	71455755	+	0	NA	intron (N	intron (N	116582	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr2-3724	9.667096	0.573802	0.759489	0.755511	0.449942	0.981636	chr2	37247553	37249272	+	0	NA	non-codin	non-codin	16754	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|M	NADH:ubiq	protein-coding
chr11-473	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr11	47307327	47307873	+	0	NA	intron (N	intron (N	-35490	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr15-383	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr15	38323089	38323525	+	0	NA	intron (N	intron (N	70471	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr17-700	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr17	7003159	7003851	+	0	NA	intron (N	AluJo|SIN	7456	NM_000697	239	Hs.654431	NM_000697	ENSG00000	ALOX12	12-LOX|12	arachidon	protein-coding
chr2-6646	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr2	66466320	66466556	+	0	NA	intron (N	intron (N	-26108	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-2022	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	promoter-	promoter-	-345	NR_003031	692058		NR_003031	ENSG00000	SNORD11	HBII-95	small nuc	snoRNA
chr4-1010	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr4	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	195626	NR_107033	1.02E+08		NR_107033	ENSG00000	MIR8066	hsa-mir-8	microRNA	ncRNA
chr4-1393	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-57088	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr7-1390	7.128595	-0.66216	0.876506	-0.75545	0.44998	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	1930	NM_080660	92092	Hs.512833	NM_080660	ENSG00000	ZC3HAV1L	C7orf39	zinc fing	protein-coding
chr1-2435	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	intron (N	165255	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr10-102	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	47066	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr14-356	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr14	35611650	35612695	+	0	NA	intron (N	AluJo|SIN	78008	NM_032594	84684	Hs.62813	NM_032594	ENSG00000	INSM2	IA-6|IA6|	INSM tran	protein-coding
chr19-578	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr19	57883074	57883667	+	0	NA	intron (N	AluYe6|SI	5667	NM_001144	730051	Hs.634143	NM_001144	ENSG00000	ZNF814	-	zinc fing	protein-coding
chr21-371	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr21	37182858	37184296	+	0	NA	intron (N	MLT1H|LTR	10349	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr3-1292	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr3	12922033	12922232	+	0	NA	exon (NM_	exon (NM_	-36921	NR_136189	1.05E+08	Hs.561179	NR_136189	ENSG00000	LINC02022	-	long inte	ncRNA
chr3-1968	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	(TG)n|Sim	-63402	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr5-1384	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	HUERS-P3-	-31223	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr8-2873	6.915155	0.672046	0.890172	0.754962	0.450271	0.981636	chr8	28737581	28738052	+	0	NA	intron (N	intron (N	36315	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr3-1028	4.186788	0.891943	1.181489	0.754931	0.45029	0.981636	chr3	10286207	10286797	+	0	NA	TTS (NR_0	TTS (NR_0	2083	NR_026829	84657	Hs.302131	NM_001039	ENSG00000	LINC00852	C3orf42|C	long inte	ncRNA
chr19-434	4.675518	0.812244	1.075926	0.754925	0.450294	0.981636	chr19	43477982	43479039	+	0	NA	intron (N	MIRb|SINE	-12902	NM_014400	27076	Hs.631594	NM_014400	ENSG00000	LYPD3	C4.4A	LY6/PLAUR	protein-coding
chr9-3575	4.675518	0.812244	1.075926	0.754925	0.450294	0.981636	chr9	35754474	35755231	+	0	NA	promoter-	promoter-	-576	NM_001044	692094	Hs.571601	NM_001044	ENSG00000	MSMP	PSMP	microsemi	protein-coding
chr1-1165	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	11659105	11661095	+	0	NA	intron (N	MER3|DNA|	-4100	NM_018438	26270	Hs.464419	NM_018438	ENSG00000	FBXO6	FBG2|FBS2	F-box pro	protein-coding
chr1-3335	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	33354534	33355204	+	0	NA	exon (NM_	exon (NM_	4517	NR_125978	1.02E+08	Hs.568627	NR_125978	ENSG00000	LOC101929	-	uncharact	ncRNA
chr1-4396	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	43960186	43960990	+	0	NA	intron (N	intron (N	-9422	NM_001319	1802	Hs.632398	NM_001384	ENSG00000	DPH2	DPH2L2	diphthami	protein-coding
chr1-1557	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-7614	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr1-1647	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	1.65E+08	1.65E+08	+	0	NA	intron (N	intron (N	-25533	NR_038072	1.01E+08	Hs.661039	NR_038072	ENSG00000	LOC100505	-	uncharact	ncRNA
chr1-2258	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	exon (NM_	exon (NM_	23128	NM_014698	9725	Hs.119387	NM_014698	ENSG00000	TMEM63A	KIAA0792	transmemb	protein-coding
chr15-327	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr15	32798722	32798921	+	0	NA	exon (NM_	exon (NM_	-79956	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr16-222	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr16	22260128	22261555	+	0	NA	intron (N	intron (N	-36534	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr16-857	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr16	85778163	85778637	+	0	NA	TTS (NM_0	TTS (NM_0	-14015	NR_135193	1.02E+08	Hs.662217	NR_135193	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-501	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr17	50105536	50106206	+	0	NA	intron (N	intron (N	10176	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr19-150	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr19	1505654	1506219	+	0	NA	3’ UTR (N	3’ UTR (N	7083	NM_001367	339366	Hs.371674	NM_213604	ENSG00000	ADAMTSL5	THSD6	ADAMTS li	protein-coding
chr2-6850	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr2	68508823	68509216	+	0	NA	intron (N	L1PA5|LIN	41434	NM_173545	200558	Hs.720369	NM_173545	ENSG00000	APLF	APFL|C2or	aprataxin	protein-coding
chr2-1214	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-86447	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr20-342	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr20	34292017	34292756	+	0	NA	exon (NM_	exon (NM_	10604	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr20-414	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr20	41443157	41444133	+	0	NA	intron (N	intron (N	-76827	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr22-373	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr22	37373275	37373640	+	0	NA	exon (NM_	exon (NM_	-18618	NR_110515	1.01E+08	Hs.220558	NR_110515	ENSG00000	LOC100506	-	uncharact	ncRNA
chr3-4968	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr3	49680644	49682256	+	0	NA	intron (N	intron (N	7099	NM_001640	327	Hs.517969	NM_001640	ENSG00000	APEH	AARE|ACPH	acylamino	protein-coding
chr4-1689	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	Intergeni	L2b|LINE|	23701	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr5-1386	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr5	13863141	13866308	+	0	NA	intron (N	intron (N	79756	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1121	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	70787	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr7-1403	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	non-codin	non-codin	47078	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding
chr7-1495	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-52861	NR_152557	155061	Hs.24643	NM_152557	ENSG00000	ZNF746	PARIS	zinc fing	protein-coding
chr8-4728	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr8	47280500	47280800	+	0	NA	intron (N	AluSx|SIN	19712	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr9-3313	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chr9	33133091	33133829	+	0	NA	intron (N	intron (N	24768	NR_162131	1.13E+08		NR_162131		MIR12117	-	microRNA	ncRNA
chrX-4063	6.930871	0.667371	0.884125	0.754839	0.450346	0.981636	chrX	40631171	40632000	+	0	NA	intron (N	AluSz6|SI	8019	NM_001195	347411	Hs.128084	NM_001195	ENSG00000	MPC1L	SLC54A3	mitochond	protein-coding
chr22-499	13.35563	-0.49387	0.654291	-0.75481	0.450362	0.981636	chr22	49963122	49963884	+	0	NA	TTS (NR_1	TTS (NR_1	637	NR_106879	1.02E+08		NR_106879	ENSG00000	MIR6821	hsa-mir-6	microRNA	ncRNA
chr7-5986	9.194082	0.592608	0.78519	0.754732	0.45041	0.981636	chr7	59864237	59865150	+	0	NA	Intergeni	ALR/Alpha	2414516	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-436	7.185451	-0.66176	0.877298	-0.75432	0.450659	0.981636	chr20	43636978	43638021	+	0	NA	intron (N	AluSq2|SI	-29520	NM_001278	4605	Hs.179718	NM_002466	ENSG00000	MYBL2	B-MYB|BMY	MYB proto	protein-coding
chr1-2354	9.774799	0.579779	0.768819	0.754116	0.450779	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSz|SIN	65861	NM_001287	6905	Hs.744998	NM_003193	ENSG00000	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr4-1054	11.10194	-0.53462	0.709169	-0.75387	0.450927	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	AluY|SINE	-52003	NR_126420	1.04E+08	Hs.624109	NR_126420		TET2-AS1	-	TET2 anti	ncRNA
chr14-926	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr14	92660874	92661403	+	0	NA	intron (N	MIRb|SINE	84904	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr15-787	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr15	78797038	78798002	+	0	NA	intron (N	intron (N	13944	NM_014272	11173	Hs.16441	NM_014272	ENSG00000	ADAMTS7	ADAM-TS 7	ADAM meta	protein-coding
chr17-399	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr17	39916665	39917417	+	0	NA	intron (N	intron (N	499	NM_001369	55876	Hs.306777	NM_018530	ENSG00000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr18-737	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr18	737503	738650	+	0	NA	intron (N	intron (N	-25412	NR_148709	55556	Hs.658550	NM_017512	ENSG00000	ENOSF1	FUCD|RTS|	enolase s	protein-coding
chr3-4492	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr3	44928291	44929301	+	0	NA	intron (N	intron (N	47378	NM_001349	51304	Hs.61430	NM_016598	ENSG00000	ZDHHC3	DHHC-3|DH	zinc fing	protein-coding
chr9-7513	4.716658	0.813149	1.078667	0.753847	0.450941	0.981636	chr9	75131794	75132325	+	0	NA	intron (N	intron (N	43545	NM_012383	26578	Hs.494192	NM_012383	ENSG00000	OSTF1	OSF|SH3P2	osteoclas	protein-coding
chr5-9716	10.13789	-0.57861	0.767553	-0.75384	0.450946	0.981636	chr5	97162871	97163146	+	0	NA	3’ UTR (N	3’ UTR (N	20239	NM_001159	55781	Hs.27021	NM_018343	ENSG00000	RIOK2	RIO2	RIO kinas	protein-coding
chr2-1199	9.684662	0.579827	0.769222	0.753785	0.450979	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	MER1B|DNA	-55644	NM_001184	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr1-1459	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L2c|LINE|	2434	NR_073493	8799	Hs.714608	NM_003846	ENSG00000	PEX11B	PEX11-BET	peroxisom	protein-coding
chr1-1557	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJr|SIN	11235	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr1-2029	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	L1PB3|LIN	12434	NM_001290	51094	Hs.5298	NM_015999	ENSG00000	ADIPOR1	ACDCR1|CC	adiponect	protein-coding
chr1-2243	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	13390	NM_001277	29097	Hs.445890	NM_014184	ENSG00000	CNIH4	CNIH-4|CN	cornichon	protein-coding
chr17-283	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr17	28359409	28362839	+	0	NA	TTS (NR_0	TTS (NR_0	470	NR_039875	1.01E+08		NR_039875	ENSG00000	MIR4723	mir-4723	microRNA	ncRNA
chr19-125	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr19	12534058	12541969	+	0	NA	intron (N	L1M3|LINE	13469	NM_144976	163050	Hs.655615	NM_144976	ENSG00000	ZNF564	-	zinc fing	protein-coding
chr19-371	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr19	37184805	37194553	+	0	NA	exon (NM_	exon (NM_	-16938	NM_152655	199704	Hs.659236	NM_152655	ENSG00000	ZNF585A	-	zinc fing	protein-coding
chr5-1787	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L2b|LINE|	11391	NM_001324	6940	Hs.484324	NM_005649	ENSG00000	ZNF354A	EZNF|HEL1	zinc fing	protein-coding
chr6-1089	9.69067	0.568773	0.754654	0.753686	0.451038	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MC2|LIN	9286	NM_001199	27244	Hs.591336	NM_014454	ENSG00000	SESN1	PA26|SEST	sestrin 1	protein-coding
chr6-8567	7.060182	-0.68699	0.9117	-0.75353	0.451133	0.981636	chr6	85674847	85675085	+	0	NA	Intergeni	Intergeni	2402	NR_002743	26799		NR_002743		SNORD50A	RNU50|U50	small nuc	snoRNA
chr9-1205	7.060182	-0.68699	0.9117	-0.75353	0.451133	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSz6|SI	31208	NR_073558	55755	Hs.269560	NM_018249	ENSG00000	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr1-9601	7.65532	0.683532	0.907313	0.753358	0.451235	0.981636	chr1	9601107	9601487	+	0	NA	exon (NM_	exon (NM_	12386	NM_001130	199953	Hs.632365	NM_001010	ENSG00000	TMEM201	Ima1|NET5	transmemb	protein-coding
chr1-1804	8.863971	-0.59921	0.795454	-0.7533	0.451271	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	10900	NM_032360	84320	Hs.200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr11-776	8.863971	-0.59921	0.795454	-0.7533	0.451271	0.981636	chr11	77681450	77681783	+	0	NA	intron (N	Tigger9b|	-43810	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr11-103	8.863971	-0.59921	0.795454	-0.7533	0.451271	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	39146	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr5-1031	8.863971	-0.59921	0.795454	-0.7533	0.451271	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MA8|LIN	39652	NM_001345	23262	Hs.212046	NM_015216	ENSG00000	PPIP5K2	CFAP160|I	diphospho	protein-coding
chr1-1612	12.91377	0.49768	0.660743	0.753213	0.451322	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSq|SIN	-2592	NM_004106	2207	Hs.433300	NM_004106	ENSG00000	FCER1G	FCRG	Fc fragme	protein-coding
chr19-265	59.86016	0.275237	0.365425	0.753198	0.451331	0.981636	chr19	26528983	26529889	+	0	NA	Intergeni	ALR/Alpha	-1263995	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-4737	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr1	47373147	47374357	+	0	NA	intron (N	AluSx|SIN	39962	NM_001366	51727	Hs.731647	NM_016308	ENSG00000	CMPK1	CK|CMK|CM	cytidine/	protein-coding
chr1-8525	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr1	85250651	85252875	+	0	NA	non-codin	non-codin	7899	NR_024113	148423	Hs.26226	NM_198077	ENSG00000	C1orf52	gm117	chromosom	protein-coding
chr1-1793	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluY|SINE	23740	NM_003101	6646	Hs.445588	NM_003101	ENSG00000	SOAT1	ACACT|ACA	sterol O-	protein-coding
chr11-185	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr11	18509535	18509734	+	0	NA	exon (NM_	exon (NM_	17308	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr11-748	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr11	74876565	74877261	+	0	NA	intron (N	HUERS-P3-	72178	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr11-749	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr11	74965641	74967704	+	0	NA	intron (N	intron (N	17406	NM_014752	9789	Hs.282700	NM_014752	ENSG00000	SPCS2	-	signal pe	protein-coding
chr14-526	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr14	52671175	52672294	+	0	NA	intron (N	intron (N	23824	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|ER	endoplasm	protein-coding
chr18-510	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr18	51060282	51062115	+	0	NA	intron (N	L1MA2|LIN	30985	NM_005359	4089	Hs.75862	NM_005359	ENSG00000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr19-210	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr19	21050644	21050843	+	0	NA	intron (N	L1MB2|LIN	30086	NM_001172	80264	Hs.729202	NM_025189	ENSG00000	ZNF430	-	zinc fing	protein-coding
chr2-3322	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr2	33220997	33227873	+	0	NA	intron (N	intron (N	89838	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr3-1574	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr3	15747820	15751822	+	0	NA	intron (N	L1PBa|LIN	6726	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr3-5791	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr3	57916133	57916438	+	0	NA	intron (N	intron (N	26283	NM_001304	7871	Hs.476432	NM_007159	ENSG00000	SLMAP	SLAP	sarcolemm	protein-coding
chr4-1650	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr4	16502683	16503402	+	0	NA	3’ UTR (N	3’ UTR (N	276379	NR_027697	202020	Hs.445315	NM_152684	ENSG00000	TAPT1-AS1	-	TAPT1 ant	ncRNA
chr4-2661	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr4	26614088	26615460	+	0	NA	intron (N	AluSx1|SI	30690	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr4-2701	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr4	27017833	27018849	+	0	NA	intron (N	MLT1E3|LT	157500	NM_020860	57620	Hs.744950	NM_020860	ENSG00000	STIM2	-	stromal i	protein-coding
chr4-7310	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr4	73101325	73102972	+	0	NA	intron (N	AluJb|SIN	-32389	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr5-6617	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr5	66175262	66181654	+	0	NA	intron (N	intron (N	30988	NR_146488	1.02E+08	Hs.676049	NR_146488		LINC02065	-	long inte	ncRNA
chr6-1509	7.161877	-0.65664	0.871978	-0.75305	0.451421	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-70254	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr1-2014	11.39859	0.541616	0.720314	0.751916	0.452102	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12363	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr11-325	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr11	32598453	32599847	+	0	NA	intron (N	intron (N	15319	NM_006360	10480	Hs.502244	NM_006360	ENSG00000	EIF3M	B5|GA17|F	eukaryoti	protein-coding
chr15-505	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr15	50595066	50595561	+	0	NA	intron (N	intron (N	-48647	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr15-586	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr15	58631546	58632971	+	0	NA	intron (N	L1MC5a|LI	61349	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr17-353	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr17	35352337	35352998	+	0	NA	exon (NM_	exon (NM_	20954	NM_001104	91607	Hs.745059	NM_152270	ENSG00000	SLFN11	SLFN8/9	schlafen	protein-coding
chr2-4355	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr2	43556055	43557485	+	0	NA	intron (N	FLAM_A|SI	39204	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr2-4741	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr2	47412811	47414755	+	0	NA	intron (N	MLT1A0|LT	10716	NM_001258	4436	Hs.597656	NM_000251	ENSG00000	MSH2	COCA1|FCC	mutS homo	protein-coding
chr20-491	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr20	49164119	49164577	+	0	NA	intron (N	AluJb|SIN	24022	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr22-328	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr22	32832890	32834239	+	0	NA	intron (N	L3|LINE|C	32748	NM_000362	7078	Hs.644633	NM_000362	ENSG00000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr3-1575	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr3	15758466	15759090	+	0	NA	intron (N	MLT1B|LTR	-2231	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr3-1490	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	21241	NM_004130	2992	Hs.477892	NM_004130	ENSG00000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr3-1969	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-10523	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr4-1953	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	1953019	1954674	+	0	NA	intron (N	AluJb|SIN	-20790	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Ca	ncRNA
chr4-5489	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	5489678	5491318	+	0	NA	intron (N	intron (N	-34071	NR_126519	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr4-5329	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	53298306	53298644	+	0	NA	intron (N	L1PA4|LIN	67586	NM_152540	152579	Hs.302287	NM_152540	ENSG00000	SCFD2	STXBP1L1	sec1 fami	protein-coding
chr4-7695	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	76955155	76956140	+	0	NA	intron (N	intron (N	5895	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr4-8005	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	80051908	80052478	+	0	NA	intron (N	intron (N	21036	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr4-1511	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	Intergeni	Intergeni	15332	NR_000007	8944		NR_000007	ENSG00000	SNORD73A	RNU73|RNU	small nuc	snoRNA
chr4-1847	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	L1M1|LINE	12253	NM_024629	79682	Hs.575032	NM_024629	ENSG00000	CENPU	CENP50|CE	centromer	protein-coding
chr5-8734	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr5	87348709	87349774	+	0	NA	exon (NM_	exon (NM_	-25613	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr6-3648	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr6	36484200	36485020	+	0	NA	intron (N	intron (N	41610	NM_173562	222658	Hs.188757	NM_173562	ENSG00000	KCTD20	C6orf69|c	potassium	protein-coding
chr6-9715	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr6	97158873	97162320	+	0	NA	intron (N	L1PA7|LIN	122620	NM_001350	253714	Hs.444292	NM_198468	ENSG00000	MMS22L	C6orf167|	MMS22 lik	protein-coding

chr6-1175	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	57218	NM_001017	57120	Hs.191539	NM_020399	ENSG0000(	GOPC	CAL|FIG|(	golgi ass	protein-coding
chr6-1334	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	233718	NM_001301	2070	Hs.59668(	NM_00410(	ENSG0000(	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr8-7868	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr8	78681779	78683490	+	0	NA	intron (N	THE1B|LTR	16545	NR_156423	51101	Hs.271876	NM_01601(	ENSG0000(	ZC2HC1A	C8orf70|(	zinc fing	protein-coding
chr8-125(	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	33236	NM_003129	6713	Hs.71465	NM_003129	ENSG0000(	SQLE	-	squalene	protein-coding
chr9-8597	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr9	85976288	85976645	+	0	NA	intron (N	intron (N	34937	NM_001321	60560	Hs.436098	NM_021929	ENSG0000(	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr9-1229	5.410785	-0.75444	1.003388	-0.75189	0.452117	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	Intergeni	L2|LINE|L	-2753	NM_012197	23637	Hs.271341	NM_012197	ENSG0000(	RABGAP1	GAPCENA|T	RAB GTPas	protein-coding
chr6-1006	9.127518	0.587397	0.78148	0.751647	0.452263	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	MLT1L|LTR	-181128	NM_005068	6492	Hs.520293	NM_005068	ENSG0000(	SIM1	bHLHe14	SIM bHLH	protein-coding
chr14-102	8.664212	0.616306	0.819952	0.751637	0.45227	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJo|SIN	14297	NM_014844	9895	Hs.195667	NM_014844	ENSG0000(	TECPR2	KIAA0329|	tectonin	protein-coding
chr19-581	12.39962	0.507668	0.675578	0.751457	0.452377	0.981636	chr19	58127035	58143891	+	0	NA	intron (N	AluSq2|SI	15326	NM_02462(	79673	Hs.458377	NM_02462(	ENSG0000(	ZNF329	-	zinc fing	protein-coding
chr16-88(	6.467564	0.712873	0.948879	0.751279	0.452485	0.981636	chr16	88069705	88070107	+	0	NA	intron (N	Tigger2|D	31079	NR_12031(	400553	Hs.592071	NR_12031(	ENSG0000(	LOC400553	-	uncharact	ncRNA
chr18-124	6.467564	0.712873	0.948879	0.751279	0.452485	0.981636	chr18	12432315	12433324	+	0	NA	promoter-	promoter-	45	NR_136514	1.05E+08	Hs.515283	NR_136514		LOC105371	-	uncharact	ncRNA
chr3-1971	6.467564	0.712873	0.948879	0.751279	0.452485	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1M4c|LIN	28701	NM_001366	1739	Hs.292549	NM_004087	ENSG0000(	DLG1	DLGH1|SAF	discs lar	protein-coding
chr3-1809	8.897253	-0.59479	0.792131	-0.75088	0.452727	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	20889	NM_00119(	131118	Hs.230601	NM_145261	ENSG0000(	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr4-7445	8.897253	-0.59479	0.792131	-0.75088	0.452727	0.981636	chr4	744575	744863	+	0	NA	intron (N	CpG	37129	NR_036511	1E+08	Hs.731755	NR_036511	ENSG0000(	LOC100129	-	uncharact	ncRNA
chr5-6617	8.897253	-0.59479	0.792131	-0.75088	0.452727	0.981636	chr5	6617510	6617974	+	0	NA	intron (N	intron (N	15302	NR_037947	54888	Hs.481526	NM_017755	ENSG0000(	NSUN2	MISU|MRT5	NOP2/Sun	protein-coding
chr11-119	6.692562	-0.69597	0.926906	-0.75086	0.452739	0.981636	chr11	11929971	11930729	+	0	NA	intron (N	MER58A|DN	78289	NM_001018	27122	Hs.292156	NM_013253	ENSG0000(	DKK3	REIC|RIG	dickkopf	protein-coding
chr6-1523	6.692562	-0.69597	0.926906	-0.75086	0.452739	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	-25654	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr11-129	9.723951	0.571276	0.760837	0.750853	0.452741	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	23282	NM_006165	4798	Hs.530539	NM_006165	ENSG0000(	NFRKB	INO80G	nuclear f	protein-coding
chr2-9253	9.723951	0.571276	0.760837	0.750853	0.452741	0.981636	chr2	92533517	92534424	+	0	NA	Intergeni	ALR/Alpha	592837	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr9-1298	9.723951	0.571276	0.760837	0.750853	0.452741	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	MER5A1|DN	5769	NM_000113	1861	Hs.534312	NM_000113	ENSG0000(	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chr1-2008	12.35848	0.506943	0.675257	0.75074	0.452809	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	-23758	NM_005298	2848	Hs.534316	NM_005298	ENSG0000(	GPR25	-	G protein	protein-coding
chr1-2263	9.657388	0.56627	0.754349	0.750673	0.452849	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	MER33|DNA	32350	NM_001618	142	Hs.177766	NM_001618	ENSG0000(	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr15-559	5.459782	-0.75139	1.001004	-0.75064	0.452872	0.981636	chr15	55949751	55950759	+	0	NA	intron (N	intron (N	-33124	NM_001284	4734	Hs.1565	NM_006154	ENSG0000(	NEDD4	NEDD4-1|R	NEDD4 E3	protein-coding
chr3-1324	5.459782	-0.75139	1.001004	-0.75064	0.452872	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	70280	NM_001329	23317	Hs.12707	NM_015268	ENSG0000(	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr12-297	9.349001	-0.577	0.768815	-0.7505	0.452952	0.981636	chr12	29704054	29705174	+	0	NA	intron (N	L3|LINE|(	79328	NM_001367	83857	Hs.401954	NM_03192(	ENSG0000(	TMTC1	ARG99|OLF	transmemb	protein-coding
chr10-924	8.581933	0.614667	0.819204	0.750322	0.453061	0.981636	chr10	92463445	92463797	+	0	NA	intron (N	intron (N	34140	NM_001322	3416	Hs.500546	NM_004969	ENSG0000(	IDE	INSULYSIN	insulin d	protein-coding
chr1-4101	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr1	41016603	41017224	+	0	NA	non-codin	non-codin	2323	NR_037868	1.01E+08	Hs.660056	NR_037868	ENSG0000(	SLFNL1-AS	-	SLFNL1 an	ncRNA
chr13-113	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	15015	NM_007111	7027	Hs.79353	NM_007111	ENSG0000(	TFDP1	DILC|DP1|	transcrip	protein-coding
chr2-1612	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	L2c|LINE|	-15478	NR_110163	1.01E+08	Hs.660929	NR_110163	ENSG0000(	LINC01806	-	long inte	ncRNA
chr20-453	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr20	45368354	45368770	+	0	NA	3’ UTR (N	3’ UTR (N	5393	NR_003189	767557	Hs.730643	NR_003189	ENSG0000(	SYS1-DBND	C20orf169	SYS1-DBND	ncRNA
chr22-462	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr22	46208347	46209214	+	0	NA	intron (N	L1MA7|LIN	41513	NM_207327	150383	Hs.10311(	NM_207327	ENSG0000(	CDPF1	C22orf40	cysteine	protein-coding
chr5-554(	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr5	55405503	55406085	+	0	NA	intron (N	intron (N	97805	NM_01536(	23517	Hs.274531	NM_01536(	ENSG0000(	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr6-8317	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr6	83175980	83176814	+	0	NA	intron (N	MER58A|DN	16868	NM_001199	5238	Hs.661665	NM_015599	ENSG0000(	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr8-3109	5.451925	-0.74922	0.998575	-0.75029	0.453081	0.981636	chr8	31090150	31091150	+	0	NA	intron (N	intron (N	-57294	NM_001015	29942	Hs.373778	NM_013357	ENSG0000(	PURG	PURG-A|PU	purine ri	protein-coding
chr5-4957	18.36311	0.432949	0.577065	0.75026	0.453098	0.981636	chr5	49573966	49574932	+	0	NA	Intergeni	ALR/Alpha	866839	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr16-295	11.14308	-0.53228	0.709936	-0.74975	0.453403	0.981636	chr16	29521019	29521242	+	0	NA	Intergeni	LTR7B|LTR	-15256	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr6-1586	7.095314	-0.66784	0.890785	-0.74972	0.453425	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11246	NM_001291	6993	Hs.445999	NM_006519	ENSG0000(	DYNLT1	CW-1|TCTE	dynein li	protein-coding
chr11-87(	7.478306	0.641414	0.855586	0.749678	0.453449	0.981636	chr11	87043179	87043645	+	0	NA	intron (N	intron (N	5478	NM_001168	65084	Hs.188591	NM_022918	ENSG0000(	TMEM135	PMP52	transmemb	protein-coding
chr20-181	7.478306	0.641414	0.855586	0.749678	0.453449	0.981636	chr20	18179817	18180578	+	0	NA	intron (N	THE1A-int	35098	NR_028402	57325	Hs.488051	NM_020536	ENSG0000(	KAT14	ATAC2|CRF	lysine ac	protein-coding
chr6-4943	7.478306	0.641414	0.855586	0.749678	0.453449	0.981636	chr6	49438794	49440207	+	0	NA	intron (N	HERVL-int	23753	NM_000255	4594	Hs.485527	NM_000255	ENSG0000(	MMUT	MCM|MUT	methylmal	protein-coding
chr17-757	18.27131	-0.4244	0.566239	-0.7495	0.453556	0.981636	chr17	75777547	75779341	+	0	NA	3’ UTR (N	3’ UTR (N	1335	NM_005324	3021	Hs.180877	NM_005324	ENSG0000(	H3F3B	H3.3B	H3 histor	protein-coding
chr19-105	7.486164	0.639214	0.853005	0.749368	0.453636	0.981636	chr19	10550413	10551145	+	0	NA	intron (N	AluY|SINE	-1343	NR_031603	1E+08		NR_031603	ENSG0000(	MIR1238	MIRN1238|	microRNA	ncRNA
chr2-240(	7.486164	0.639214	0.853005	0.749368	0.453636	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	exon (NM_	exon (NM_	10553	NR_136157	4705	Hs.277677	NM_004544	ENSG0000(	NDUFA10	CI-42KD|(	NADH:ubic	protein-coding
chr1-8393	8.830689	-0.60368	0.805773	-0.7492	0.453739	0.981636	chr1	8393050	8393498	+	0	NA	intron (N	intron (N	30558	NM_001042	473	Hs.463041	NM_012102	ENSG0000(	RERE	ARG|ARP|A	arginine-	protein-coding
chr17-437	8.830689	-0.60368	0.805773	-0.7492	0.453739	0.981636	chr17	43776645	43777570	+	0	NA	intron (N	AluSq2|SI	1870	NM_00409(	1845	Hs.181046	NM_00409(	ENSG0000(	DUSP3	VHR	dual spec	protein-coding
chr16-309	4.94147	-0.81851	1.092624	-0.74912	0.453782	0.981636	chr16	30928715	30929000	+	0	NA	intron (N	intron (N	4282	NM_001099	54620	Hs.152149	NM_019085	ENSG0000(	FBXL19	CXXC11|Fb	F-box and	protein-coding
chr19-507	4.94147	-0.81851	1.092624	-0.74912	0.453782	0.981636	chr19	5071876	5072075	+	0	NA	intron (N	intron (N	102862	NM_00137(	23030	Hs.654816	NM_015015	ENSG0000(	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr16-849	11.86975	0.521158	0.695711	0.749101	0.453796	0.981636	chr16	84990165	84990420	+	0	NA	intron (N	intron (N	21243	NM_001145	55625	Hs.46161(	NM_01774(	ENSG0000(	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr3-1239	9.341143	-0.57565	0.768628	-0.74893	0.453901	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	6799	NM_001366	64770	Hs.645028	NM_022757	ENSG0000(	CCDC14	-	coiled-co	protein-coding
chr3-172(	9.341143	-0.57565	0.768628	-0.74893	0.453901	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	LTR40c|LT	42892	NM_001135	64778	Hs.744888	NM_022763	ENSG0000(	FNDC3B	FAD104|PR	fibronect	protein-coding
chr5-7148	9.341143	-0.57565	0.768628	-0.74893	0.453901	0.981636	chr5	71485183	71486141	+	0	NA	intron (N	intron (N	30011	NM_018429	55814	Hs.258272	NM_018429	ENSG0000(	BDP1	DFNB112|H	B double	protein-coding
chr19-929	12.92949	0.495182	0.661194	0.748921	0.453905	0.981636	chr19	9294078	9302937	+	0	NA	intron (N	MER90a|LT	11331	NM_198535	374879	Hs.633842	NM_198535	ENSG0000(	ZNF699	hang	zinc fing	protein-coding
chr19-118	12.92949	0.495182	0.661194	0.748921	0.453905	0.981636	chr19	11826122	11836153	+	0	NA	intron (N	intron (N	16864	NM_152357	126070	Hs.418192	NM_152357	ENSG0000(	ZNF440	-	zinc fing	protein-coding
chr2-1084	11.90303	0.523229	0.698989	0.74855	0.454128	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	37456	NR_028063	9648	Hs.436505	NM_181453	ENSG0000(	GCC2	GCC185|RA	GRIP and	protein-coding
chr1-1648	6.997434	0.673894	0.90079	0.748114	0.454391	0.981636	chr1	1.65E+08	1.65E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-72344	NR_038072	1.01E+08	Hs.661039	NR_038072	ENSG0000(	LOC100505	-	uncharact	ncRNA
chr7-5981	10.21268	0.551246	0.737239	0.747717	0.454631	0.981636	chr7	5981653	5982683	+	0	NA	intron (N	AluSx|SIN	-11485	NM_173565	222967	Hs.442339	NM_173565	ENSG0000(	RSPH10B	-	radial sp	protein-coding
chr1-7666	9.103945	0.592676	0.793044	0.747343	0.454856	0.981636	chr1	766614	767054	+	0	NA	intron (N	MIRb|SINE	11854	NR_033908	1E+08	Hs.527521	NR_033908		LOC100288	-	uncharact	ncRNA
chr12-458	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr12	45821208	45822183	+	0	NA	intron (N	intron (N	91986	NM_001347	196528	Hs.317304	NM_152641	ENSG0000(	ARID2	BAF200|CS	AT-rich i	protein-coding
chr12-896	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr12	89608053	89608741	+	0	NA	intron (N	AluSz6|SI	-82135	NM_001199	1.01E+08	Hs.25130	NM_001199	ENSG0000(	POC1B-GAL	GALNT4|Ga	POC1B-GAL	protein-coding
chr12-123	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	14938	NM_001347	1.01E+08	Hs.524828	NM_001204	ENSG0000(	ZNF664-RF	-	ZNF664-RF	protein-coding
chr13-479	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr13	47963259	47964722	+	0	NA	intron (N	L1MD2|LIN	-31368	NR_047492	1.01E+08	Hs.660978	NR_047492	ENSG0000(	LINC00562	-	long inte	ncRNA
chr16-587	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr16	58719994	58721508	+	0	NA	intron (N	AluSx|SIN	13565	NM_001286	2806	Hs.59947(	NM_00208(	ENSG0000(	GOT2	KAT4|KATI	glutamic-	protein-coding
chr16-691	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr16	69167510	69168841	+	0	NA	intron (N	AluY|SINE	-18972	NM_00675(	6645	Hs.461117	NM_00675(	ENSG0000(	SNTB2	D16S2531E	syntrophi	protein-coding
chr17-597	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr17	59758826	59759229	+	0	NA	intron (N	AluJb|SIN	51373	NM_001329	81671	Hs.444569	NM_030938	ENSG0000(	VMP1	EPG3|TANG	vacuole m	protein-coding
chr18-928	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr18	9280448	9280647	+	0	NA	intron (N	AluSx|SIN	-54226	NM_020648	57045	Hs.514685	NM_020648	ENSG0000(	TWSG1	TSG	twisted g	protein-coding
chr18-745	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr18	74519938	74520153	+	0	NA	exon (NM_	exon (NM_	-14455	NM_032649	84735	Hs.400613	NM_032649	ENSG0000(	CNDP1	CN1|CPGL2	carnosine	protein-coding
chr19-211	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr19	21146845	21149837	+	0	NA	intron (N	PABL_A-in	6301	NM_133473	170959	Hs.156256	NM_133473	ENSG0000(	ZNF431	-	zinc fing	protein-coding
chr2-8606	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr2	86062927	86064880	+	0	NA	intron (N	L1M5|LINE	41983	NM_015425	25885	Hs.531818	NM_015425	ENSG0000(	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1865	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	Intergeni	Tigger3a|	25527	NM_018471	55854	Hs.74118(	NM_018471	ENSG0000(	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr22-199	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr22	19968588	19968787	+	0	NA	exon (NM_	exon (NM_	4934	NR_039918	1.01E+08		NR_039918	ENSG0000(	MIR4761	-	microRNA	ncRNA
chr6-9948	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr6	99481653	99481862	+	0	NA	TTS (NM_(	TTS (NM_(	33619	NM_001346	85015	Hs.14341(	NM_032929	ENSG0000(	USP45	-	ubiquitin	protein-coding
chr7-1515	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-44756	NM_005614	6009	Hs.283521	NM_005614	ENSG0000(	RHEB	RHEB2	Ras homol	protein-coding
chr9-1347	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	L3|LINE|(	-60687	NR_138049	414316	Hs.571561	NR_138049	ENSG0000(	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chrX-1345	7.154019	-0.65486	0.876776	-0.7469	0.455126	0.981636	chrX	1.35E+08	1.35E+08	+	0	NA	TTS (NR_(	TTS (NR_(	243	NR_030228	574506		NR_030228	ENSG0000(	MIR503	MIRN503|h	microRNA	ncRNA
chr1-2128	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	Tigger1|D	33445	NM_014053	28982	Hs.7055	NM_014053	ENSG0000(	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr12-577	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr12	57719068	57720475	+	0	NA	intron (N	intron (N	-6469	NR_027032	1E+08	Hs.65608(	NR_027032	ENSG0000(	AGAP2-AS1	PUNISHER	AGAP2 ant	ncRNA
chr14-102	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz6|SI	13910	NM_03263(	51550	Hs.129634	NM_03263(	ENSG0000(	CINP	-	cyclin de	protein-coding
chr16-534	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr16	53482290	53482639	+	0	NA	intron (N	intron (N	20745	NM_022476	64400	Hs.380897	NM_022476	ENSG0000(	AKTIP	FT1|FTS	AKT inter	protein-coding
chr17-188	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr17	18894121	18894539	+	0	NA	intron (N	AluSp|SIN	28861	NM_001243	5636	Hs.632236	NM_002767	ENSG0000(	PRPSAP2	PAP41	phosphori	protein-coding
chr19-55(	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr19	55090906	55091792	+	0	NA	3’ UTR (N	3’ UTR (N	10957	NM_017729	54869	Hs.438862	NM_017729	ENSG0000(	EPS8L1	DRC3|EPS8	EPS8 like	protein-coding
chr2-2064	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr2	20644899	20645098	+	0	NA	intron (N	L2c|LINE|	6100	NM_02246(	64342	Hs.531785	NM_02246(	ENSG0000(	HS1BP3	ETM2|HS1-	HCLS1 bin	protein-coding
chr22-413	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr22	41393899	41396558	+	0	NA	intron (N	AluSz|SIN	13286	NM_003216	7008	Hs.181159	NM_003216	ENSG0000(	TEF	-	TEF trans	protein-coding
chr22-504	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr22	50406931	50407717	+	0	NA	promoter-	promoter-	-118	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr4-1214	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr4	1214897	1215162	+	0	NA	intron (N	intron (N	4909	NR_104331	285463	Hs.707614	NR_104331	ENSG0000(	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr6-1189	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	10320	NM_014034	25842	Hs.292316	NM_014034	ENSG0000(	ASF1A	CGI-98|CI	anti-sile	protein-coding
chr9-8903	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr9	89031693	89032054	+	0	NA	intron (N	intron (N	40405	NM_005226	1903	Hs.585118	NM_005226	ENSG0000(	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr9-9823	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr9	98233077	98233926	+	0	NA	exon (NM_	exon (NM_	-4284	NR_106913	1.02E+08		NR_106913	ENSG0000(	MIR6854	hsa-mir-6	microRNA	ncRNA
chr9-1284	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	L1ME3G|LI	6011	NM_153437	4957	Hs.129055	NM_00254(	ENSG0000(	ODF2	CT134|ODF	outer den	protein-coding
chr9-1371	6.938729	0.664938	0.89044	0.746752	0.455213	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	6911	NM_013366	29882	Hs.533262	NM_013366	ENSG0000(	ANAPC2	APC2	anaphase	protein-coding
chr11-69(	9.374425	-0.5715	0.765474	-0.74659	0.45531	0.981636	chr11	69003575	69007540	+	0	NA	exon (NM_	exon (NM_	-6797	NR_120541	1.02E+08	Hs.703759	NR_120541	ENSG0000(	MRGPRF-AS	-	MRGPRF an	ncRNA
chr2-1748	9.374425	-0.5715	0.765474	-0.74659	0.45531	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	37052	NM_001206	1123	Hs.380138	NM_001822	ENSG0000(	CHN1	ARHGAP2|(	chimerin	protein-coding
chr3-1727	9.374425	-0.5715	0.765474	-0.74659	0.45531	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSz|SIN	23463	NM_001349	1894	Hs.518299	NM_018098	ENSG0000(	ECT2	ARHGEF31	epithelia	protein-coding
chr8-3048	9.374425	-0.5715	0.765474	-0.74659	0.45531	0.981636	chr8	30488942	30489708	+	0	NA	intron (N	AluJr|SIN	-103924	NR_046205	1E+08	Hs.126813	NR_046205	ENSG0000(	RBPMS-AS1	-	RBPMS ant	ncRNA
chr1-2029	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	4132	NM_016243	51706	Hs.334832	NM_016243	ENSG0000(	CYB5R1	B5R.1|B5R	cytochrom	protein-coding
chr10-457	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr10	45762249	45767974	+	0	NA	intron (N	intron (N	37845	NM_001367	253725	Hs.365286	NM_015262	ENSG0000(	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr11-118	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	-4764	NR_106773	1.02E+08		NR_106773	ENSG0000(	MIR6716	hsa-mir-6	microRNA	ncRNA
chr17-65(	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr17	65017310	65017552	+	0	NA	intron (N	intron (N	38343	NM_001282	10672	Hs.515018	NM_006572	ENSG0000(	GNA13	G13	G protein	protein-coding
chr2-6643	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr2	66437809	66438796	+	0	NA	TTS (NR_(	TTS (NR_(	2028	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG0000(	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr9-1047	9.665246	0.564586	0.756309	0.746501	0.455365	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	25010	NR_13076(	55335	Hs.429294	NM_018376	ENSG0000(	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr22-278	7.120737	-0.6604	0.884812	-0.74637	0.455441	0.981636	chr22	27852596	27853568	+	0	NA	3’ UTR (N	3’ UTR (N	-51326	NM_00243(	4330	Hs.268515	NM_00243(	ENSG0000(	MN1	MGCR|MGCR	MN1 proto	protein-coding
chr6-5709	7.120737	-0.6604	0.884812	-0.74637	0.455441	0.981636	chr6	57094666	57094969	+	0	NA	intron (N	intron (N	4629	NM_001031	26036	Hs.485628	NM_015555	ENSG0000(	ZNF451	COASTER|c	zinc fing	protein-coding
chr8-1168	7.120737	-0.6604	0.884812	-0.74637	0.455441	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-10942	NR_033886	644660	Hs.706174	NR_033886	ENSG0000(	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr14-899	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr14	89974024	89974695	+	0	NA	intron (N	intron (N	18432	NM_018319	55775	Hs.209945	NM_018319	ENSG0000(	TDP1	-	tyrosyl-D	protein-coding
chr15-504	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr15	50487509	50489003	+	0	NA	intron (N	L1MB8|LIN	58410	NM_203494	373509	Hs.677758	NM_203494	ENSG0000(	USP50	-	ubiquitin	protein-coding
chr15-569	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr15	56923523	56924923	+	0	NA	intron (N	L1MD1|LIN	4778	NM_001322	6938	Hs.511504	NM_003205	ENSG0000(	TCF12	CRS3|HEB|	transcrip	protein-coding
chr18-13(	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr18	13029231	13029730	+	0	NA	intron (N	intron (N	38118	NM_032142	55125	Hs.100914	NM_018069	ENSG0000(	CEP192	PPP1R62	centrosom	protein-coding
chr2-6271	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr2	62718662	62719499	+	0	NA	intron (N	AluJb|SIN	12183	NM_001354	23301	Hs.271667	NM_015252	ENSG0000(	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-1005	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq2|SI	5407	NM_024065	79031	Hs.469459	NM_024065	ENSG0000(	PDCL3	HTPHLP|PH	phosducin	protein-coding
chr3-3313	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr3	33131038	33131419	+	0	NA	intron (N	intron (N	17270	NM_006371	10491	Hs.517888	NM_006371	ENSG0000(	CRTAP	CASP|LEPR	cartilage	protein-coding
chr6-1665	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr6	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	-5685	NM_001318	6196	Hs.655277	NM_021135	ENSG0000(	RPS6KA2	HU-2|MAPK	ribosomal	protein-coding
chr9-2711	5.444067	-0.74696	1.000941	-0.74626	0.455511	0.981636	chr9	27112184	27114140	+	0	NA	intron (N	MIRb|SINE	4021	NM_000459	7010	Hs.89640	NM_000459	ENSG0000(	TEK	CD202B|GI	TEK recep	protein-coding
chr15-851	12.96277	0.49717	0.666242	0.74623	0.455528	0.981636	chr15	85191696	85194032	+	0	NA	Intergeni	MamGypLTR	41917	NR_158179	1.02E+08	Hs.681665	NR_158179		LOC101929	-	golgin A2	pseudo
chr19-421	9.168658	0.58812	0.78829	0.746071	0.455625	0.981636	chr19	42198349	42199759	+	0	NA	non-codin	non-codin	18623	NR_073051	162989	Hs.515432	NM_133328	ENSG0000(	DEDD2	FLAME-3|F	death eff	protein-coding
chr10-404	41.90896	0.303025	0.406209	0.745982	0.455678	0.981636	chr10	40485589	40485804	+	0	NA	Intergeni	ALR/Alpha	1789100	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr15-281	5.377503	-0.76203	1.021536	-0.74597	0.455686	0.981636	chr15	28160831	28161258	+	0	NA	intron (N	intron (N	-61729	NM_000275	4948	Hs.654411	NM_000275	ENSG0000(	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr1-1551	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	MIR|SINE|	5315	NR_046329	80128	Hs.287735	NM_025058	ENSG0000(	TRIM46	GENEY|TRI	tripartit	protein-coding
chr1-1552	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-3275	NM_001005	2629	Hs.282997	NM_000157	ENSG0000(	GBA	GBA1|GCB|	glucosylc	protein-coding
chr1-1787	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MEc|LIN	17504	NM_152663	55103	Hs.632485	NM_018037	ENSG0000(	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-2037	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	exon (NM_	exon (NM_	2741	NR_046213	84719	Hs.661178	NM_032633		LINC0026(	C1orf217|	long inte	ncRNA
chr15-33(	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr15	33018416	33018810	+	0	NA	intron (N	MER21B|LT	49561	NM_001103	342184	Hs.657649	NM_19850(	ENSG0000(	FMN1	FMN|LD	formin 1	protein-coding
chr17-462	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr17	46205832	46207336	+	0	NA	intron (N	L1M4|LINE	13011	NR_034172	644246	Hs.64460(	NR_034172	ENSG0000(	KANSL1-AS	-	KANSL1 an	ncRNA
chr2-2408	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr2	24082094	24082538	+	0	NA	intron (N	intron (N	2015	NM_001206	9540	Hs.50649	NM_004881	ENSG0000(	TP53I3	PIG3	tumor pro	protein-coding
chr22-30(	9.698528	0.567072	0.760247	0.745905	0.455725	0.981636	chr22	30018596	30020056	+	0	NA	intron (N	intron (N	12277	NR_106876	1.02E+08		NR_106876	ENSG0000(	MIR6818	hsa-mir-6	microRNA	ncRNA

chr14-746	5.238669	0.753046	1.010211	0.745434	0.456009	0.981636	chr14	74687434	74688410	+	0	NA	intron (N	L1MC5a|LI	25158	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr17-199	5.238669	0.753046	1.010211	0.745434	0.456009	0.981636	chr17	19913118	19914194	+	0	NA	intron (N	intron (N	-45720	NM_014683	9706	Hs.168762	NM_014683	ENSG00000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr6-1334	5.238669	0.753046	1.010211	0.745434	0.456009	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	240525	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chrX-1567	5.238669	0.753046	1.010211	0.745434	0.456009	0.981636	chrX	15678773	15679302	+	0	NA	intron (N	MLT2D|LTR	3579	NR_160542	340591	Hs.732244	NR_026551	ENSG00000	CA5BP1	CA5BL|CA5	carbonic	pseudo
chr5-4836	10.22054	0.549667	0.737436	0.745376	0.456044	0.981636	chr5	48364399	48365273	+	0	NA	Intergeni	ALR/Alpha	2076452	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-7347	10.22054	0.549667	0.737436	0.745376	0.456044	0.981636	chr7	73476716	73478288	+	0	NA	exon (NM_	exon (NM_	43724	NM_003508	8326	Hs.647029	NM_003508	ENSG00000	FZD9	CD349|FZD	frizzled	protein-coding
chr12-719	6.897589	0.663985	0.890944	0.745261	0.456114	0.981636	chr12	71907869	71908697	+	0	NA	intron (N	intron (N	-30562	NM_173353	121278	Hs.736576	NM_173353	ENSG00000	TPH2	ADHD7|NTF	tryptopha	protein-coding
chr9-1291	6.897589	0.663985	0.890944	0.745261	0.456114	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	L2b|LINE|	3144	NM_004003	1384	Hs.12068	NM_000755	ENSG00000	CRAT	CAT|CAT1|	carnitine	protein-coding
chr1-1174	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	57760	NM_006699	10905	Hs.435938	NM_006699	ENSG00000	MAN1A2	MAN1B	mannosida	protein-coding
chr11-681	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr11	68184249	68184692	+	0	NA	intron (N	intron (N	28826	NM_001369	51111	Hs.632120	NM_016028	ENSG00000	KMT5B	CGI-85|CC	lysine me	protein-coding
chr2-7026	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr2	70262850	70263995	+	0	NA	intron (N	L2a|LINE|	5285	NM_016297	51449	Hs.567502	NM_016297	ENSG00000	PCYOX1	PCL1	prenylcys	protein-coding
chr22-412	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr22	41210146	41211239	+	0	NA	intron (N	AluSx1|SI	5380	NM_031488	83746	Hs.517641	NM_031488	ENSG00000	L3MBTL2	H-1(3)mbt	L3MBTL hi	protein-coding
chr4-3924	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr4	39246784	39247332	+	0	NA	intron (N	L1PA4|LIN	64529	NM_025132	57728	Hs.438482	NM_025132	ENSG00000	WDR19	ATD5|CED4	WD repeat	protein-coding
chr4-8807	7.452883	0.636086	0.853541	0.745232	0.456131	0.981636	chr4	88071660	88072707	+	0	NA	intron (N	AluJb|SIN	64548	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr5-1325	9.333286	-0.57432	0.770695	-0.74519	0.456155	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA5|LIN	27184	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr1-3284	11.12737	-0.52995	0.711292	-0.74505	0.456239	0.981636	chr1	32845725	32847059	+	0	NA	intron (N	L1ME1|LIN	21079	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bir	protein-coding
chr11-958	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr11	9587756	9589384	+	0	NA	exon (NM_	exon (NM_	13883	NM_001143	7465	Hs.249441	NM_003390	ENSG00000	WEE1	WEE1A|WEE	WEE1 G2 c	protein-coding
chr12-686	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr12	6869181	6871177	+	0	NA	TTS (NM_C	TTS (NM_C	2065	NM_001258	7167	Hs.524219	NM_000365	ENSG00000	TPI1	HEL-S-49|	triosephc	protein-coding
chr19-206	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr19	20656961	20658414	+	0	NA	intron (N	AluSp|SIN	3884	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr2-1331	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSq2|SI	-112071	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr3-1461	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA4|LIN	40673	NM_182943	5352	Hs.477866	NM_000935	ENSG00000	PLOD2	BRKS2|LH2	procollag	protein-coding
chr4-5702	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr4	57028623	57033861	+	0	NA	TTS (NM_C	TTS (NM_C	52346	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr4-8235	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr4	82353830	82359650	+	0	NA	intron (N	intron (N	17251	NM_031370	3184	Hs.480073	NM_002138	ENSG00000	HNRNPD	AUF1|AUF1	heteroger	protein-coding
chr4-1026	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	AluYc|SIN	96549	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr8-3908	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr8	39086892	39087988	+	0	NA	intron (N	L1ME4c|LI	-20089	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr9-3608	9.366567	-0.57015	0.765287	-0.74502	0.456259	0.981636	chr9	36082921	36087517	+	0	NA	3’ UTR (N	3’ UTR (N	48306	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversior	protein-coding
chr19-284	16.15075	0.447753	0.601013	0.744998	0.456273	0.981636	chr19	2849857	2856724	+	0	NA	exon (NM_	exon (NM_	11815	NM_152791	148254	Hs.47712	NM_152791	ENSG00000	ZNF555	-	zinc fing	protein-coding
chr9-3782	8.94625	-0.59309	0.79609	-0.745	0.456273	0.981636	chr9	37824998	37825762	+	0	NA	intron (N	L1PA13|LI	24583	NM_024345	79269	Hs.118394	NM_024345	ENSG00000	DCAF10	WDR32	DDB1 and	protein-coding
chr1-1233	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr1	12333506	12334737	+	0	NA	intron (N	intron (N	104091	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3925	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr1	39254387	39256619	+	0	NA	intron (N	intron (N	-153570	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr11-354	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr11	35434010	35440909	+	0	NA	intron (N	intron (N	-17401	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr13-492	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr13	49259263	49261593	+	0	NA	intron (N	MLT1J2|LT	12503	NM_030911	81602	Hs.388220	NM_030911	ENSG00000	CDADC1	NYD-SP15|	cytidine	protein-coding
chr15-493	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr15	49319030	49321442	+	0	NA	intron (N	intron (N	-103006	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KC	fibroblas	protein-coding
chr17-767	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr17	76754334	76755142	+	0	NA	intron (N	intron (N	17237	NM_024311	79157	Hs.73965	NM_024311	ENSG00000	MFSD11	ET	major fac	protein-coding
chr18-460	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr18	46002722	46003297	+	0	NA	intron (N	L1MDa|LIN	-35680	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic F	protein-coding
chr19-121	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr19	12172201	12174119	+	0	NA	intron (N	MER54A|LT	10064	NM_003437	7695	Hs.479874	NM_003437	ENSG00000	ZNF136	pHZ-20	zinc fing	protein-coding
chr19-435	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr19	43598698	43599883	+	0	NA	3’ UTR (N	3’ UTR (N	2695	NM_001145	79177	Hs.11110	NM_024327	ENSG00000	ZNF576	-	zinc fing	protein-coding
chr20-176	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr20	17600981	17601524	+	0	NA	intron (N	intron (N	31177	NM_006870	11034	Hs.304192	NM_006870	ENSG00000	DSTN	ACTDP|ADF	destrin,	protein-coding
chr22-466	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr22	46694281	46701966	+	0	NA	intron (N	MER5A|DNA	40129	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59H	ceramide	protein-coding
chr6-2480	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr6	24806990	24811087	+	0	NA	intron (N	AluSz|SIN	-10121	NM_001282	1.02E+08	Hs.635133	NM_001282	ENSG00000	ARMH2	C6orf229	armadillc	protein-coding
chr9-1935	7.460741	0.633911	0.850963	0.744934	0.456312	0.981636	chr9	19352720	19353646	+	0	NA	intron (N	intron (N	27053	NM_001010	6194	Hs.408073	NM_001010	ENSG00000	RPS6	S6	ribosomal	protein-coding
chr1-1225	18.3044	0.429098	0.576285	0.744592	0.456518	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1006006	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-481	6.408859	0.703192	0.944482	0.744527	0.456558	0.981636	chr17	48115465	48115789	+	0	NA	intron (N	intron (N	8042	NM_013323	29916	Hs.15827	NM_013323	ENSG00000	SNX11	-	sorting r	protein-coding
chr3-4850	6.408859	0.703192	0.944482	0.744527	0.456558	0.981636	chr3	48500082	48500561	+	0	NA	intron (N	intron (N	3729	NM_001272	51246	Hs.414579	NM_016479	ENSG00000	SHISA5	SCOTIN	shisa fam	protein-coding
chr8-3777	6.408859	0.703192	0.944482	0.744527	0.456558	0.981636	chr8	37775281	37775480	+	0	NA	exon (NM_	exon (NM_	12735	NM_001349	11212	Hs.304792	NM_007198	ENSG00000	PLPBP	EPVB6D|PF	pyridoxal	protein-coding
chr10-102	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	19812	NM_024789	79847	Hs.309069	NM_024789	ENSG00000	MFSD13A	C10orf77|	major fac	protein-coding
chr13-416	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chr13	41683609	41684070	+	0	NA	intron (N	L2c|LINE|	-115444	NR_049803	1.01E+08		NR_049803	ENSG00000	MIR5006	-	microRNA	ncRNA
chr14-739	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chr14	73955301	73956226	+	0	NA	intron (N	intron (N	5461	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CC	coenzyme	protein-coding
chr7-1022	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-83421	NM_020979	10603	Hs.489448	NM_020979	ENSG00000	SH2B2	APS	SH2B adap	protein-coding
chr9-1248	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18187	NM_030978	81873	Hs.132499	NM_030978	ENSG00000	ARPC5L	ARC16-2	actin rel	protein-coding
chrX-1086	7.494022	0.637065	0.855823	0.744389	0.456641	0.981636	chrX	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA7|LIN	53913	NM_003604	8471	Hs.407141	NM_003604	ENSG00000	IRS4	IRS-4|PY1	insulin r	protein-coding
chr6-1310	11.57126	-0.51744	0.695335	-0.74416	0.456782	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	LTR3B_|LT	8435	NM_001431	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr9-9665	11.57126	-0.51744	0.695335	-0.74416	0.456782	0.981636	chr9	96650930	96651184	+	0	NA	intron (N	AluSx3|SI	4260	NM_153698	195827	Hs.44640	NM_153698	ENSG00000	PRXL2C	AAED1|C9c	peroxirec	protein-coding
chr1-2261	12.90407	0.491961	0.66127	0.743965	0.456898	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSc8|SI	13315	NR_146443	1.08E+08	Hs.735455	NR_146443	ENSG00000	ACBD3-AS1	-	ACBD3 ant	ncRNA
chr20-264	12.90407	0.491961	0.66127	0.743965	0.456898	0.981636	chr20	26441028	26442228	+	0	NA	Intergeni	ALR/Alpha	-232395	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHC	-	MIR663A h	ncRNA
chr12-928	6.36772	0.7023	0.944399	0.743648	0.45709	0.981636	chr12	92833349	92833548	+	0	NA	intron (N	intron (N	95847	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr16-287	7.203016	-0.6527	0.878673	-0.74282	0.457589	0.981636	chr16	28731945	28732394	+	0	NA	exon (NM_	exon (NM_	7917	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr4-1749	7.203016	-0.6527	0.878673	-0.74282	0.457589	0.981636	chr4	17499633	17500311	+	0	NA	intron (N	intron (N	12118	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHF	quinoid c	protein-coding
chr15-632	10.19697	0.554562	0.746798	0.742586	0.457732	0.981636	chr15	63279301	63280299	+	0	NA	intron (N	AluSq2|SI	2195	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr10-731	6.905447	0.661613	0.891031	0.742525	0.457769	0.981636	chr10	73198674	73199304	+	0	NA	intron (N	intron (N	30870	NM_173348	317662	Hs.408577	NM_173348	ENSG00000	FAM149B1	KIAA0974	family wi	protein-coding
chr19-119	6.905447	0.661613	0.891031	0.742525	0.457769	0.981636	chr19	11969147	11969480	+	0	NA	intron (N	AluSz6|SI	4273	NM_001012	284390	Hs.646386	NM_001012	ENSG00000	ZNF763	ZNF|ZNF44	zinc fing	protein-coding
chr19-394	6.905447	0.661613	0.891031	0.742525	0.457769	0.981636	chr19	39448717	39449505	+	0	NA	intron (N	AluY|SINE	3463	NM_003169	6829	Hs.631604	NM_003169	ENSG00000	SUPT5H	SPT5|SPT5	SPT5 homc	protein-coding
chr9-1015	6.905447	0.661613	0.891031	0.742525	0.457769	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	MIRb|SINE	11669	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr9-1329	6.905447	0.661613	0.891031	0.742525	0.457769	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	29259	NM_001362	7248	Hs.370854	NM_000368	ENSG00000	TSC1	LAM|TSC	TSC compl	protein-coding
chr1-2403	7.195158	-0.65101	0.876907	-0.74239	0.457852	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	AluSg|SIN	239172	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chrX-7812	7.195158	-0.65101	0.876907	-0.74239	0.457852	0.981636	chrX	78127073	78127724	+	0	NA	3’ UTR (N	3’ UTR (N	12252	NM_015975	51616	Hs.592248	NM_015975	ENSG00000	TAF9B	DN-7|DN7|	TATA-box	protein-coding
chr2-2317	12.45028	-0.51871	0.698746	-0.74234	0.457881	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	promoter-	promoter-	-312	NR_128710	1.04E+08		NR_128710	ENSG00000	MIR1244-4	hsa-mir-1	microRNA	ncRNA
chr13-479	3.718398	-0.92214	1.242549	-0.74214	0.458003	0.981636	chr13	47956164	47956452	+	0	NA	intron (N	L1MEf|LIN	-23686	NR_047492	1.01E+08	Hs.660978	NR_047492	ENSG00000	LINC00562	-	long inte	ncRNA
chr7-2471	6.97201	0.668147	0.90043	0.742031	0.458069	0.981636	chr7	24713927	24714263	+	0	NA	intron (N	intron (N	43369	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermir	protein-coding
chr7-6538	6.97201	0.668147	0.90043	0.742031	0.458069	0.981636	chr7	65388779	65389432	+	0	NA	intron (N	AluSp|SIN	15250	NM_001287	168374	Hs.9521	NM_007139	ENSG00000	ZNF92	HEL-203|H	zinc fing	protein-coding
chrX-4112	6.97201	0.668147	0.90043	0.742031	0.458069	0.981636	chrX	41123615	41124131	+	0	NA	intron (N	AluSz|SIN	38428	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitir	protein-coding
chr5-1134	5.271951	0.757337	1.020658	0.742009	0.458082	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA7|LIN	-8642	NM_032028	83942	Hs.519507	NM_032028	ENSG00000	TSSK1B	FKSG81|SF	testis sp	protein-coding
chr12-492	11.5634	-0.51633	0.695961	-0.7419	0.45815	0.981636	chr12	49265946	49267260	+	0	NA	intron (N	AluJb|SIN	1521	NM_032704	84790	Hs.652390	NM_032704	ENSG00000	TUBA1C	TUBA6|bcm	tubulin a	protein-coding
chr4-8288	9.624106	0.563713	0.759889	0.741836	0.458187	0.981636	chr4	82881760	82881973	+	0	NA	exon (NM_	exon (NM_	9287	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AE	SEC31 hom	protein-coding
chr10-689	8.930534	-0.59024	0.795733	-0.74176	0.458232	0.981636	chr10	68978909	68979998	+	0	NA	intron (N	Charlie1|	-9350	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 binc	protein-coding
chr2-3323	8.930534	-0.59024	0.795733	-0.74176	0.458232	0.981636	chr2	33234245	33235537	+	0	NA	intron (N	L1PA7|LIN	100294	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr6-1121	8.930534	-0.59024	0.795733	-0.74176	0.458232	0.981636	chr6	11213409	11213608	+	0	NA	exon (NM_	exon (NM_	19160	NM_182966	4739	Hs.37982	NM_006403	ENSG00000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr11-684	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr11	68429260	68430976	+	0	NA	intron (N	L1MC|LINE	-30634	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr17-166	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr17	16622442	16635064	+	0	NA	intron (N	L1MEg|LIN	25097	NM_020787	57547	Hs.128078	NM_020787	ENSG00000	ZNF624	-	zinc fing	protein-coding
chr17-431	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr17	43185155	43207402	+	0	NA	intron (N	intron (N	-15597	NM_145041	113277	Hs.536474	NM_145041	ENSG00000	TMEM106A	-	transmemt	protein-coding
chr18-797	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr18	79727029	79738597	+	0	NA	intron (N	intron (N	51383	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCF	CTD phosp	protein-coding
chr19-196	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr19	19672938	19681663	+	0	NA	intron (N	MER68|LTR	8461	NM_033204	94039	Hs.63187	NM_033204	ENSG00000	ZNF101	HZF12	zinc fing	protein-coding
chr6-8318	10.19512	0.545668	0.735779	0.741619	0.458318	0.981636	chr6	83187657	83188313	+	0	NA	intron (N	intron (N	5280	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr22-363	11.08623	-0.53223	0.717734	-0.74155	0.458361	0.981636	chr22	36302694	36303348	+	0	NA	intron (N	intron (N	-16114	NR_106877	1.02E+08		NR_106877	ENSG00000	MIR6819	hsa-mir-6	microRNA	ncRNA
chr17-494	9.358709	-0.56881	0.767344	-0.74127	0.45853	0.981636	chr17	4943284	4947062	+	0	NA	TTS (NM_C	TTS (NM_C	3913	NM_005022	5216	Hs.494691	NM_005022	ENSG00000	PFN1	ALS18	profilin	protein-coding
chr17-281	9.358709	-0.56881	0.767344	-0.74127	0.45853	0.981636	chr17	28168515	28170120	+	0	NA	intron (N	intron (N	-57246	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr5-1295	9.358709	-0.56881	0.767344	-0.74127	0.45853	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PA2|LIN	-84937	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr9-1109	9.358709	-0.56881	0.767344	-0.74127	0.45853	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	97262	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr2-7305	9.631964	0.56205	0.758296	0.741201	0.458571	0.981636	chr2	73056320	73057735	+	0	NA	intron (N	L1ME1|LIN	2145	NM_001330	94097	Hs.368171	NM_144579	ENSG00000	SFXN5	BBG-TCC|S	siderofle	protein-coding
chr8-7205	9.631964	0.56205	0.758296	0.741201	0.458571	0.981636	chr8	72051189	72051739	+	0	NA	intron (N	intron (N	24120	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr16-188	13.8268	-0.4745	0.640528	-0.7408	0.458817	0.981636	chr16	18812860	18813782	+	0	NA	intron (N	L1PA5|LIN	-11772	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr1-2258	5.402927	-0.75209	1.016296	-0.74003	0.459284	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	MIRb|SINE	26535	NM_000120	2052	Hs.89649	NM_000120	ENSG00000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr7-6615	5.402927	-0.75209	1.016296	-0.74003	0.459284	0.981636	chr7	66154709	66155175	+	0	NA	TTS (NM_C	TTS (NM_C	40095	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr8-3804	5.402927	-0.75209	1.016296	-0.74003	0.459284	0.981636	chr8	38042293	38042748	+	0	NA	intron (N	MLT1B|LTR	11986	NM_004095	1978	Hs.411641	NM_004095	ENSG00000	EIF4EBP1	4E-BP1|4E	eukaryoti	protein-coding
chr1-1054	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	1054122	1055647	+	0	NA	exon (NM_	exon (NM_	-4850	NR_148960	1E+08	Hs.713286	NR_148960	ENSG00000	LOC100288	-	uncharact	ncRNA
chr1-1199	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	11992948	11999051	+	0	NA	intron (N	L2b|LINE|	15818	NM_001127	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusir	protein-coding
chr1-1126	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	14818	NM_001042	389	Hs.502659	NM_175744	ENSG00000	RHOC	ARH9|ARHC	ras homol	protein-coding
chr1-2302	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	161433	NM_001258	79605	Hs.520463	NM_024554	ENSG00000	PGBD5	-	piggyBac	protein-coding
chr1-2306	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	21982	NM_007357	22796	Hs.211800	NM_007357	ENSG00000	COG2	CDG2Q|LDL	component	protein-coding
chr1-2433	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-14327	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr10-295	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr10	29562409	29564612	+	0	NA	intron (N	intron (N	-18413	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-526	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr11	52606966	52608328	+	0	NA	Intergeni	ALR/Alpha	1996351	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-726	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr11	72692123	72698550	+	0	NA	intron (N	intron (N	-5138	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG00000	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr11-119	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	-4176	NM_001258	3145	Hs.82609	NM_000190	ENSG00000	HMBS	PBG-D|PBG	hydroxyme	protein-coding
chr14-509	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr14	50942099	50942718	+	0	NA	intron (N	intron (N	2075	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr17-237	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr17	2375447	2378186	+	0	NA	intron (N	intron (N	24244	NM_020310	4335	Hs.626579	NM_020310	ENSG00000	MNT	MAD6|MXD6	MAX netwc	protein-coding
chr18-549	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr18	54931808	54935415	+	0	NA	intron (N	intron (N	24437	NM_001143	80323	Hs.120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-cc	protein-coding
chr19-532	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr19	53245928	53252954	+	0	NA	intron (N	intron (N	5409	NM_001317	342926	Hs.20506	NM_182609	ENSG00000	ZNF677	-	zinc fing	protein-coding
chr2-2178	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	(GGAT)n|S	24320	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr20-621	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr20	62197288	62201304	+	0	NA	intron (N	intron (N	16271	NM_015666	26164	Hs.340636	NM_015666	ENSG00000	MTG2	GTPBP5|Ob	mitochonc	protein-coding
chr20-639	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr20	63998983	64001024	+	0	NA	intron (N	AluYh3|SI	18871	NM_012469	24148	Hs.31334	NM_012469	ENSG00000	PRPF6	ANT-1|ANT	pre-mRNA	protein-coding
chr21-465	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr21	46554209	46555489	+	0	NA	exon (NM_	exon (NM_	50233	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr5-3738	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr5	37381590	37382825	+	0	NA	intron (N	AluSx3|SI	2889	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr5-1228	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx|SIN	29963	NM_003100	6643	Hs.125352	NM_003100	ENSG00000	SNX2	TRG-9	sorting r	protein-coding
chr6-3328	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr6	33282241	33285101	+	0	NA	intron (N	AluSx|SIN	3618	NR_106933	1.02E+08		NR_106933	ENSG00000	MIR6873	hsa-mir-6	microRNA	ncRNA
chr7-2378	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr7	2378895	2381698	+	0	NA	3’ UTR (N	3’ UTR (N	-23315	NM_018641	55501	Hs.288853	NM_018641	ENSG00000	CHST12	C4S-2|C4S	carbohydr	protein-coding
chr7-5372	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr7	5372089	5375187	+	0	NA	intron (N	intron (N	49908	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinuclec	protein-coding
chr7-5548	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr7	55489703	55489996	+	0	NA	intron (N	intron (N	37031	NM_001321	81552	Hs.488307	NM_030796	ENSG00000	VOPP1	ECOP|GASF	VOPP1 WW	protein-coding
chr8-4804	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr8	48044900	48045778	+	0	NA	intron (N	MER39|LTR	36908	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitir	protein-coding
chr8-5265	7.468598	0.63175	0.853776	0.739949	0.459331	0.981636	chr8	52653483	52654415	+	0	NA	intron (N	ERVL-E-ir	60486	NM_014781	9821	Hs.196102	NM_014781	ENSG00000	RB1CC1	ATG17|CC1	RB1 induc	protein-coding
chr19-241	4.170147	-0.84008	1.13594	-0.73955	0.459575	0.981636	chr19	2419998	2421534	+	0	NA	intron (N	intron (N	6820	NM_012458	26517	Hs.75056	NM_012458	ENSG00000	TIMM13	TIM13|TIM	transloca	protein-coding
chr10-132	4.691234	0.804834	1.088408	0.73946	0.459628	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	28552	NM_001309	80313	Hs.119897	NM_030626	ENSG00000	LRRC27	-	leucine r	protein-coding
chr19-423	4.691234	0.804834	1.088408	0.73946	0.459628	0.981636	chr19	42354635	42355492	+	0	NA	intron (N	AluSz|SIN	3932	NR_107044	1.02E+08		NR_107044	ENSG00000	MIR8077	hsa-mir-8	microRNA	ncRNA

chr15-204	9.300004	-0.57867	0.782584	-0.73944	0.459642	0.981636	chr15	20453763	20453996	+	0	NA	non-codin	non-codin	-13392	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr11-102	9.325428	-0.57299	0.77507	-0.73928	0.459737	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq2|SI	-101944	NM_001165	330	Hs.127799	NM_001165	ENSG00000	BIRC3	AIP1|API2	baculovir	protein-coding
chr4-1223	9.325428	-0.57299	0.77507	-0.73928	0.459737	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-47278	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr18-927	7.1873	-0.64924	0.878409	-0.73911	0.459838	0.981636	chr18	9271775	9272210	+	0	NA	intron (N	intron (N	-62781	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr7-4727	7.1873	-0.64924	0.878409	-0.73911	0.459838	0.981636	chr7	4727900	4728193	+	0	NA	intron (N	intron (N	45751	NM_001037	221937	Hs.487393	NM_001037	ENSG00000	FOXK1	FOXK1L	forkhead	protein-coding
chr7-6499	7.1873	-0.64924	0.878409	-0.73911	0.459838	0.981636	chr7	64991995	64992598	+	0	NA	exon (NM_	exon (NM_	-1260	NM_015852	51351	Hs.250693	NM_015852	ENSG00000	ZNF117	H-plk|HPF	zinc fing	protein-coding
chr2-4631	11.53012	-0.51975	0.703243	-0.73908	0.459857	0.981636	chr2	46317137	46317813	+	0	NA	intron (N	Tigger1|D	20068	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr1-2434	9.086379	0.58636	0.793384	0.739061	0.45987	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	MIRb|SINE	80846	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr5-1729	8.101061	0.639657	0.865654	0.73893	0.45995	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	MLT1L|LTR	9243	NM_001317	51121	Hs.546390	NM_016093	ENSG00000	RPL26L1	RPL26P1	ribosomal	protein-coding
chr13-491	9.399849	-0.56603	0.766015	-0.73893	0.459951	0.981636	chr13	49148285	49149259	+	0	NA	intron (N	L1M2|LINE	38455	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr15-619	9.616248	0.565364	0.765139	0.738904	0.459965	0.981636	chr15	61961609	61961838	+	0	NA	exon (NM_	exon (NM_	98724	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr11-728	5.246527	0.749937	1.01509	0.738789	0.460035	0.981636	chr11	72888844	72889847	+	0	NA	intron (N	intron (N	74934	NM_001318	89849	Hs.653186	NM_033388	ENSG00000	ATG16L2	ATG16B|WD	autophagy	protein-coding
chr19-266	5.246527	0.749937	1.01509	0.738789	0.460035	0.981636	chr19	26600854	26602304	+	0	NA	Intergeni	ALR/Alpha	-1191852	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-731	9.673104	0.562846	0.761915	0.738726	0.460073	0.981636	chr10	73156164	73156479	+	0	NA	exon (NM_	exon (NM_	11687	NM_007265	11319	Hs.631822	NM_007265	ENSG00000	ECD	GCR2|HSGT	ecdysonel	protein-coding
chr10-113	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	49217	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr14-348	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr14	34843991	34844323	+	0	NA	intron (N	AluY|SINE	-30034	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr3-4474	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr3	44748514	44748993	+	0	NA	TTS (NM_0	TTS (NM_0	12866	NM_001320	57456	Hs.744955	NM_020696	ENSG00000	KIAA1143	-	KIAA1143	protein-coding
chr8-2300	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr8	230037	230689	+	0	NA	intron (N	intron (N	-1774	NM_001287	169270	Hs.591388	NM_173539	ENSG00000	ZNF596	-	zinc fing	protein-coding
chr8-8978	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr8	89788116	89788828	+	0	NA	intron (N	L2b|LINE|	30656	NM_003821	8767	Hs.103755	NM_003821	ENSG00000	RIPK2	CARD3|CAR	receptor	protein-coding
chr8-1301	5.436209	-0.74458	1.008264	-0.73848	0.460225	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-67916	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-3285	9.407707	-0.56736	0.768446	-0.73832	0.46032	0.981636	chr1	32855995	32856340	+	0	NA	non-codin	non-codin	14646	NM_001171	252995	Hs.524234	NM_153756	ENSG00000	FNDC5	FRCP2|iri	fibronect	protein-coding
chr10-877	9.407707	-0.56736	0.768446	-0.73832	0.46032	0.981636	chr10	87745103	87745947	+	0	NA	intron (N	intron (N	72706	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr4-1749	9.407707	-0.56736	0.768446	-0.73832	0.46032	0.981636	chr4	17491891	17492199	+	0	NA	intron (N	MLT1A0|LT	20045	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHP	quinoid d	protein-coding
chr1-9215	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr1	92159073	92160313	+	0	NA	Intergeni	L1MB1|LIN	-9231	NM_015237	23285	Hs.21554	NM_015237	ENSG00000	KIAA1107	-	KIAA1107	protein-coding
chr10-296	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr10	29666797	29667362	+	0	NA	intron (N	L1ME1|LIN	-32108	NM_021738	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr10-721	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr10	72101332	72103496	+	0	NA	intron (N	intron (N	-13382	NM_001134	9806	Hs.523009	NM_014767	ENSG00000	SPOCK2	testican-	SPARC (os	protein-coding
chr10-131	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	37771	NM_001291	55844	Hs.380372	NM_018461	ENSG00000	PPP2R2D	B55D|B55d	protein p	protein-coding
chr11-664	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr11	66491579	66493805	+	0	NA	intron (N	intron (N	12258	NM_130443	10072	Hs.502914	NM_005700	ENSG00000	DPP3	DPPIII	dipeptidy	protein-coding
chr12-109	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA3|LIN	9881	NM_000431	4598	Hs.130607	NM_000431	ENSG00000	MVK	LRBP|MK|M	mevalonat	protein-coding
chr19-130	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr19	13086904	13087610	+	0	NA	intron (N	intron (N	15601	NM_005583	4066	Hs.46446	NM_005583	ENSG00000	LYL1	bHLHa18	LYL1 basi	protein-coding
chr20-116	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr20	1168215	1169689	+	0	NA	3’ UTR (N	3’ UTR (N	15521	NM_018354	55321	Hs.516834	NM_018354	ENSG00000	TMEM74B	C20orf46	transmemb	protein-coding
chr3-1963	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSq2|SI	-12901	NM_005017	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr7-3963	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr7	39635046	39635820	+	0	NA	intron (N	L1MB7|LIN	11861	NM_005402	5898	Hs.6906	NM_005402	ENSG00000	RALA	RAL	RAS like	protein-coding
chr7-1495	5.213246	0.745739	1.010211	0.738201	0.460392	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	31988	NR_027788	79970	Hs.520785	NM_024910	ENSG00000	ZNF767P	ZNF767	zinc fing	pseudo
chr10-119	10.16183	0.543256	0.736019	0.7381	0.460454	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26029	NM_004281	9531	Hs.523309	NM_004281	ENSG00000	BAG3	BAG-3|BIS	BCL2 asso	protein-coding
chr2-3951	10.16183	0.543256	0.736019	0.7381	0.460454	0.981636	chr2	39518556	39522629	+	0	NA	intron (N	L1MC4a|LI	83176	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr1-2186	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr1	21866723	21866936	+	0	NA	intron (N	intron (N	54564	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr22-425	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr22	42576136	42577582	+	0	NA	intron (N	intron (N	5152	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr5-7009	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr5	70091353	70091778	+	0	NA	Intergeni	LTR41|LTR	42042	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr7-1060	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	Intergeni	AluSq2|SI	23489	NM_182715	6856	Hs.80919	NM_006754	ENSG00000	SYPL1	H-SP1|SYP	synaptoph	protein-coding
chr9-1278	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-1626	NR_039819	1.01E+08		NR_039819	ENSG00000	MIR4672	-	microRNA	ncRNA
chr9-1287	7.427459	0.630782	0.854735	0.737985	0.460524	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	15636	NR_046240	1.01E+08	Hs.62946	NR_046240	ENSG00000	LOC100506	-	uncharact	ncRNA
chr1-2201	9.102095	0.582791	0.789751	0.737942	0.46055	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSq|SIN	-40442	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-145	7.605768	-0.62882	0.852253	-0.73784	0.460614	0.981636	chr10	14509034	14509596	+	0	NA	Intergeni	Intergeni	23399	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr5-1549	7.605768	-0.62882	0.852253	-0.73784	0.460614	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSq2|SI	33034	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr9-1363	7.605768	-0.62882	0.852253	-0.73784	0.460614	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-8811	NM_001145	26086	Hs.239370	NM_015597	ENSG00000	GPSM1	AGS3	G protein	protein-coding
chr10-271	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr10	27164076	27164434	+	0	NA	intron (N	AluJr|SIN	9431	NM_001172	84930	Hs.276905	NM_032844	ENSG00000	MASTL	GREATWALL	microtubu	protein-coding
chr15-857	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr15	85723672	85723912	+	0	NA	intron (N	intron (N	34933	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr17-619	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr17	61917468	61917721	+	0	NA	intron (N	L1PA16|LI	10388	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr19-101	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr19	10185900	10186481	+	0	NA	intron (N	intron (N	8763	NM_001318	1786	Hs.202672	NM_001379	ENSG00000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr9-3794	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr9	37947970	37948169	+	0	NA	intron (N	intron (N	-43716	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr9-1002	7.146161	-0.653	0.885082	-0.73779	0.460643	0.981636	chr9	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	60211	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr1-2121	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr1	21219337	21222702	+	0	NA	intron (N	intron (N	-44122	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr10-113	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	17035	NM_001267	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr11-703	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr11	70341558	70346035	+	0	NA	exon (NM_	exon (NM_	-54710	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-533	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr12	53314123	53315510	+	0	NA	exon (NM_	exon (NM_	6794	NM_015665	8086	Hs.369144	NM_015665	ENSG00000	AAAS	AAA|AAASb	aladin WD	protein-coding
chr12-124	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	39318	NM_001347	1.01E+08	Hs.524828	NM_001204	ENSG00000	ZNF664-RF	-	ZNF664-RF	protein-coding
chr14-729	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr14	72996508	72999400	+	0	NA	exon (NM_	exon (NM_	-10998	NM_001281	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr15-281	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr15	28111477	28112639	+	0	NA	intron (N	intron (N	-12743	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr19-181	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr19	18139227	18141021	+	0	NA	intron (N	L1MB5|LIN	-13039	NR_162071	5296	Hs.371344	NM_005027	ENSG00000	PIK3R2	MPPH|MPPH	phosphoin	protein-coding
chr19-191	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr19	19195924	19199729	+	0	NA	intron (N	AluSx1|SI	4891	NM_001370	8625	Hs.153629	NM_003721	ENSG00000	RFXANK	ANKRA1|BL	regulator	protein-coding
chr19-205	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr19	20549390	20551219	+	0	NA	intron (N	intron (N	15477	NM_001159	1E+08	Hs.515696	NM_001159	ENSG00000	ZNF737	ZNF102	zinc fing	protein-coding
chr2-9781	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr2	97811259	97812114	+	0	NA	intron (N	intron (N	77280	NM_207519	7535	Hs.234569	NM_001079	ENSG00000	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr2-2312	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	MLT1N2|LT	-75405	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr21-323	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr21	32352919	32354895	+	0	NA	intron (N	intron (N	23415	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr22-240	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr22	24048697	24049726	+	0	NA	exon (NM_	exon (NM_	37841	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr22-379	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr22	37920285	37921170	+	0	NA	intron (N	AluY|SINE	14430	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr3-1423	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJb|SIN	101549	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr6-4298	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr6	42989296	42990385	+	0	NA	intron (N	intron (N	5270	NM_180976	5528	Hs.533308	NM_006245	ENSG00000	PPP2R5D	B56D|B56d	protein p	protein-coding
chr6-1102	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	MamSINE1|	39708	NM_015891	51362	Hs.428147	NM_015891	ENSG00000	CDC40	EHB3|PRP1	cell divi	protein-coding
chr7-9209	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr7	92097279	92098043	+	0	NA	exon (NM_	exon (NM_	36816	NM_000786	1595	Hs.417077	NM_000786	ENSG00000	CYP51A1	CP51|CYP5	cytochrom	protein-coding
chr8-1857	7.435317	0.628621	0.852151	0.737687	0.460705	0.981636	chr8	18570457	18571978	+	0	NA	intron (N	L2c|LINE|	179935	NM_000015	10	Hs.2	NM_000015	ENSG00000	NAT2	AAC2|NAT-	N-acetylt	protein-coding
chr17-180	7.087456	-0.66616	0.903049	-0.73768	0.460709	0.981636	chr17	1800257	1800586	+	0	NA	exon (NM_	exon (NM_	28750	NM_001329	5176	Hs.532768	NM_002615	ENSG00000	SERPINF1	EPC-1|OI1	serpin fa	protein-coding
chr2-9357	7.087456	-0.66616	0.903049	-0.73768	0.460709	0.981636	chr2	9357641	9357973	+	0	NA	intron (N	intron (N	64784	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr1-1137	5.205388	0.74887	1.015238	0.73763	0.460739	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	L2a|LINE|	22326	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr14-681	5.205388	0.74887	1.015238	0.73763	0.460739	0.981636	chr14	68101659	68102093	+	0	NA	intron (N	THE1C-int	278284	NM_001321	5890	Hs.172587	NM_002877	ENSG00000	RAD51B	R51H2|RAD	RAD51 par	protein-coding
chr17-809	5.205388	0.74887	1.015238	0.73763	0.460739	0.981636	chr17	80910574	80911171	+	0	NA	intron (N	AluSc|SIN	60341	NR_148968	400627	Hs.591201	NR_148968	ENSG00000	LOC400627	-	uncharact	ncRNA
chr2-1084	5.205388	0.74887	1.015238	0.73763	0.460739	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA4A|LI	12067	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr13-409	9.391991	-0.56469	0.765827	-0.73736	0.460905	0.981636	chr13	40930576	40931233	+	0	NA	Intergeni	AluSp|SIN	-9130	NR_003365	283507	Hs.442781	NR_003365	ENSG00000	SUGT1P3	SUGT1L1	SUGT1 pse	pseudo
chr14-528	9.391991	-0.56469	0.765827	-0.73736	0.460905	0.981636	chr14	52883597	52884671	+	0	NA	intron (N	intron (N	66916	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr15-603	9.391991	-0.56469	0.765827	-0.73736	0.460905	0.981636	chr15	60376060	60379237	+	0	NA	intron (N	Tigger1a_	20338	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr3-2742	9.391991	-0.56469	0.765827	-0.73736	0.460905	0.981636	chr3	27428066	27430671	+	0	NA	intron (N	intron (N	27410	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr5-9889	9.391991	-0.56469	0.765827	-0.73736	0.460905	0.981636	chr5	98891900	98892484	+	0	NA	intron (N	intron (N	34342	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr2-7454	7.613626	-0.63054	0.855433	-0.73709	0.461065	0.981636	chr2	74541943	74542377	+	0	NA	intron (N	AluJr|SIN	-6860	NM_001197	1796	Hs.103854	NM_001381	ENSG00000	DOK1	P62DOK|pp	docking p	protein-coding
chr7-6466	7.613626	-0.63054	0.855433	-0.73709	0.461065	0.981636	chr7	64669566	64670654	+	0	NA	intron (N	intron (N	3977	NM_016220	51427	Hs.50216	NM_016220	ENSG00000	ZNF107	Y8|ZFD25|	zinc fing	protein-coding
chr1-1793	9.639822	0.560342	0.760265	0.737035	0.461101	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSp|SIN	-16550	NM_144696	126859	Hs.658505	NM_144696	ENSG00000	AXDND1	C1orf125	axonemal	protein-coding
chr18-318	9.639822	0.560342	0.760265	0.737035	0.461101	0.981636	chr18	31851878	31852401	+	0	NA	intron (N	AluJb|SIN	90989	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr1-3542	4.162289	-0.83726	1.136068	-0.73698	0.461132	0.981636	chr1	35429534	35430075	+	0	NA	Intergeni	L1MEh|LIN	-63727	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-4266	4.162289	-0.83726	1.136068	-0.73698	0.461132	0.981636	chr1	42662043	42662812	+	0	NA	intron (N	AluJo|SIN	4004	NM_006347	10465	Hs.256639	NM_006347	ENSG00000	PPIH	CYP-20|CY	peptidylp	protein-coding
chr1-1136	4.162289	-0.83726	1.136068	-0.73698	0.461132	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	Intergeni	Intergeni	70007	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr4-1098	4.162289	-0.83726	1.136068	-0.73698	0.461132	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	L2a|LINE|	4465	NM_018983	54433	Hs.69851	NM_018983	ENSG00000	GAR1	NOLA1	GAR1 ribo	protein-coding
chr7-7573	4.162289	-0.83726	1.136068	-0.73698	0.461132	0.981636	chr7	7573228	7573948	+	0	NA	exon (NM_	exon (NM_	5562	NM_001370	54468	Hs.520215	NM_019005	ENSG00000	MIOS	MIO|Sea4|	meiosis r	protein-coding
chr19-255	36.17333	0.319554	0.433815	0.736613	0.461358	0.981636	chr19	25580688	25583580	+	0	NA	Intergeni	ALR/Alpha	-1418687	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr16-377	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chr16	3773464	3773874	+	0	NA	intron (N	intron (N	-56145	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr18-577	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chr18	57759616	57760021	+	0	NA	intron (N	AluY|SINE	43497	NM_005603	5205	Hs.216623	NM_005603	ENSG00000	ATP8B1	ATPIC|BRI	ATPase ph	protein-coding
chr5-1297	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSz6|SI	-34580	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr8-1332	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MIRb|SINE	18634	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-1347	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-75082	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chrX-1543	7.631191	-0.62195	0.844346	-0.7366	0.461364	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	19165	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr16-262	7.527304	0.640329	0.869682	0.73628	0.461561	0.981636	chr16	2624612	2625154	+	0	NA	intron (N	intron (N	-14099	NR_024492	645644	Hs.597810	NR_024492		FLJ42627	-	uncharact	ncRNA
chr1-1602	10.20297	0.544087	0.73924	0.736009	0.461725	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	TTS (NR_0	TTS (NR_0	-23523	NR_147618	1E+08	Hs.657648	NR_147618	ENSG00000	LOC100287	-	uncharact	ncRNA
chr17-296	10.20297	0.544087	0.73924	0.736009	0.461725	0.981636	chr17	29666037	29667231	+	0	NA	intron (N	AluSx|SIN	-45211	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr17-400	10.20297	0.544087	0.73924	0.736009	0.461725	0.981636	chr17	40093121	40097199	+	0	NA	intron (N	intron (N	5429	NM_021724	9572	Hs.724	NM_021724	ENSG00000	NR1D1	EAR1|REVE	nuclear r	protein-coding
chr19-367	13.40851	0.477448	0.64886	0.735825	0.461837	0.981636	chr19	36709715	36723431	+	0	NA	intron (N	intron (N	12892	NM_001363	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing	protein-coding
chr5-1796	7.639049	-0.62361	0.847498	-0.73582	0.46184	0.981636	chr5	1796833	1798768	+	0	NA	TTS (NM_0	TTS (NM_0	2037	NM_032479	64979	Hs.719465	NM_032479	ENSG00000	MRPL36	BRIP1|L36	mitochond	protein-coding
chr12-929	10.16969	0.541678	0.736216	0.73576	0.461877	0.981636	chr12	929550	931829	+	0	NA	intron (N	AluJb|SIN	2387	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr17-286	10.16969	0.541678	0.736216	0.73576	0.461877	0.981636	chr17	28622330	28624389	+	0	NA	intron (N	MIRc|SINE	-9174	NM_001174	124923	Hs.729077	NM_144610	ENSG00000	RSKR	SGK494	ribosomal	protein-coding
chr5-1790	10.16969	0.541678	0.736216	0.73576	0.461877	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSc|SIN	14971	NM_014594	30832	Hs.272328	NM_014594	ENSG00000	ZNF354C	KID3	zinc fing	protein-coding
chr20-498	7.062032	-0.67399	0.916192	-0.73564	0.461948	0.981636	chr20	49848256	49848522	+	0	NA	intron (N	intron (N	-15470	NR_162136	1.13E+08		NR_162136		MIR12122	-	microRNA	ncRNA
chr5-4748	24.69517	0.375418	0.510429	0.735495	0.462038	0.981636	chr5	47488540	47489408	+	0	NA	Intergeni	ALR/Alpha	-1792594	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-271	9.350851	-0.56745	0.7717	-0.73532	0.462143	0.981636	chr13	27113324	27113711	+	0	NA	intron (N	intron (N	-12016	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr1-3202	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr1	32023480	32024571	+	0	NA	intron (N	AluSx1|SI	10157	NM_001271	10657	Hs.445893	NM_006559	ENSG00000	KHDRBS1	Sam68|p62	KH RNA bi	protein-coding
chr10-996	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr10	99662476	99663809	+	0	NA	intron (N	L1MEc|LIN	3513	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr11-332	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr11	33288051	33288451	+	0	NA	intron (N	AluSq2|SI	29920	NM_001278	10114	Hs.201918	NM_005734	ENSG00000	HIPK3	DYRK6|FIS	homeodoma	protein-coding
chr11-648	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr11	64852012	64854603	+	0	NA	3’ UTR (N	3’ UTR (N	-8654	NM_017525	55561	Hs.293590	NM_017525	ENSG00000	CDC42BPG	DMPK2|HSM	CDC42 bin	protein-coding
chr12-965	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr12	9654187	9655403	+	0	NA	intron (N	intron (N	6748	NR_046445	374443	Hs.569124	NR_002814	ENSG00000	LOC374443	-	C-type le	pseudo
chr12-110	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	21720	NR_148517	400073	Hs.44817	NM_207435	ENSG00000	C12orf76	-	chromosom	protein-coding
chr13-422	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr13	42209421	42209721	+	0	NA	intron (N	intron (N	-62581	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr16-143	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr16	14326491	14328755	+	0	NA	Intergeni	AluSx|SIN	18338	NR_029854	1E+08		NR_029854	ENSG00000	MIR365A	MIR365-1|	microRNA	ncRNA
chr22-403	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr22	40353974	40355934	+	0	NA	intron (N	L1M5|LINE	8454	NR_134256	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr5-1326	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluY|SINE	30300	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr6-1166	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	AluJb|SIN	23441	NM_145062	221302	Hs.29857	NM_145062	ENSG00000	ZUP1	C6orf113|	zinc fing	protein-coding
chr8-1435	7.623333	-0.62032	0.844197	-0.73481	0.462456	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	1894	NM_032862	84948	Hs.71574	NM_032862	ENSG00000	TIGD5	-	tigger tr	protein-coding

chr12-709	7.50188	0.634909	0.864299	0.734594	0.462587	0.981636	chr12	7099616	7100559	+	0	NA	intron (N	MER102b|D	-7642	NM_001733	715	Hs.524224	NM_001733	ENSG00000	C1R	EDSPD1	complemen	protein-coding
chr19-402	7.50188	0.634909	0.864299	0.734594	0.462587	0.981636	chr19	4024411	4025288	+	0	NA	intron (N	AluSq|SIN	17113	NM_015897	51588	Hs.105779	NM_015897	ENSG00000	PIAS4	PIAS-gamm	protein i	protein-coding
chr19-110	7.50188	0.634909	0.864299	0.734594	0.462587	0.981636	chr19	11019407	11020115	+	0	NA	intron (N	intron (N	35609	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr7-7504	7.50188	0.634909	0.864299	0.734594	0.462587	0.981636	chr7	75042296	75043020	+	0	NA	3’ UTR (N	3’ UTR (N	31144	NM_001363	81554	Hs.529623	NM_030798	ENSG00000	RCC1L	WBSCR16	RCC1 like	protein-coding
chr1-1002	6.913305	0.659108	0.897402	0.734463	0.462667	0.981636	chr1	1E+08	1E+08	+	0	NA	promoter-	promoter-	-416	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr10-113	6.913305	0.659108	0.897402	0.734463	0.462667	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20306	NM_001267	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr21-332	6.913305	0.659108	0.897402	0.734463	0.462667	0.981636	chr21	33251834	33252243	+	0	NA	intron (N	AluSx1|SI	14222	NR_038974	1E+08	Hs.709795	NR_038974		IL10RB-DT	IFNAR2-AS	IL10RB di	ncRNA
chr4-6290	6.913305	0.659108	0.897402	0.734463	0.462667	0.981636	chr4	6290702	6292254	+	0	NA	intron (N	intron (N	21628	NM_001145	7466	Hs.518602	NM_006005	ENSG00000	WFS1	CTRCT41|W	wolframin	protein-coding
chr15-718	7.112879	-0.65859	0.896997	-0.73422	0.462815	0.981636	chr15	71817522	71817766	+	0	NA	exon (NM_	exon (NM_	7090	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr10-113	4.195571	-0.82746	1.127334	-0.734	0.462949	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	(GTAT)n|S	7457	NM_001227	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr17-287	4.195571	-0.82746	1.127334	-0.734	0.462949	0.981636	chr17	28756344	28757217	+	0	NA	3’ UTR (N	3’ UTR (N	12769	NM_004295	9618	Hs.8375	NM_004295	ENSG00000	TRAF4	CART1|MLN	TNF recep	protein-coding
chr11-625	11.58097	-0.51079	0.696169	-0.73371	0.463126	0.981636	chr11	62557634	62560473	+	0	NA	TTS (NM_0	TTS (NM_0	1253	NR_037427	1.01E+08		NR_037427	ENSG00000	MIR3654	-	microRNA	ncRNA
chr11-963	9.384133	-0.56332	0.767886	-0.7336	0.463193	0.981636	chr11	96364183	96364730	+	0	NA	intron (N	intron (N	-21261	NM_032427	84441	Hs.428214	NM_032427	ENSG00000	MAML2	MAM-3|MAM	mastermin	protein-coding
chr12-623	9.384133	-0.56332	0.767886	-0.7336	0.463193	0.981636	chr12	62303069	62306016	+	0	NA	TTS (NM_0	TTS (NM_0	44138	NR_147080	9958	Hs.434951	NM_006313	ENSG00000	USP15	UNPH-2|UN	ubiquitin	protein-coding
chr3-1414	9.384133	-0.56332	0.767886	-0.7336	0.463193	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	4050	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr3-1501	7.419601	0.632979	0.862972	0.733488	0.463261	0.981636	chr3	15014270	15015204	+	0	NA	intron (N	L1MB3|LIN	50578	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr15-286	10.74255	0.534127	0.728218	0.733471	0.463271	0.981636	chr15	28636754	28637006	+	0	NA	Intergeni	Intergeni	-17562	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr17-145	7.588202	-0.63785	0.869809	-0.73332	0.463362	0.981636	chr17	1452427	1452698	+	0	NA	intron (N	AluSq2|SI	3670	NM_016823	1398	Hs.461896	NM_005206	ENSG00000	CRK	CRKII|p38	CRK proto	protein-coding
chr5-1434	11.15279	-0.52517	0.716457	-0.73301	0.463555	0.981636	chr5	14343503	14344520	+	0	NA	intron (N	intron (N	-119972	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr12-987	7.179443	-0.64739	0.883244	-0.73297	0.463577	0.981636	chr12	98723752	98724106	+	0	NA	intron (N	intron (N	78629	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr13-951	7.179443	-0.64739	0.883244	-0.73297	0.463577	0.981636	chr13	95117840	95118467	+	0	NA	intron (N	intron (N	-92191	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr19-488	7.179443	-0.64739	0.883244	-0.73297	0.463577	0.981636	chr19	48847688	48847962	+	0	NA	intron (N	intron (N	-11334	NM_016246	51171	Hs.18788	NM_016246	ENSG00000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chr21-419	7.179443	-0.64739	0.883244	-0.73297	0.463577	0.981636	chr21	41917935	41918204	+	0	NA	intron (N	intron (N	8634	NM_199050	25966	Hs.473894	NM_015500	ENSG00000	C2CD2	C21orf25|	C2 calciu	protein-coding
chr1-3628	6.946587	0.662339	0.903704	0.732916	0.46361	0.981636	chr1	3628707	3629890	+	0	NA	3’ UTR (N	3’ UTR (N	4283	NM_182752	127262	Hs.20529	NM_182752	ENSG00000	TPRG1L	FAM79A|h-	tumor pro	protein-coding
chr12-714	6.946587	0.662339	0.903704	0.732916	0.46361	0.981636	chr12	7149197	7151501	+	0	NA	intron (N	intron (N	19978	NM_014718	9746	Hs.535378	NM_014718	ENSG00000	CLSTN3	CDHR14|CS	calsynten	protein-coding
chr4-2508	6.946587	0.662339	0.903704	0.732916	0.46361	0.981636	chr4	2508693	2508892	+	0	NA	intron (N	AluSp|SIN	-26583	NM_001366	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr1-1216	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr1	1216164	1218798	+	0	NA	3’ UTR (N	3’ UTR (N	-3328	NM_003327	7293	Hs.129780	NM_003327	ENSG00000	TNFRSF4	ACT35|CD1	TNF recep	protein-coding
chr1-7836	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr1	7836425	7839082	+	0	NA	intron (N	intron (N	15312	NM_006786	10911	Hs.715862	NM_006786	ENSG00000	UTS2	PRO1068|U	urotensin	protein-coding
chr1-1611	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	MIRb|SINE	2801	NM_003779	8703	Hs.321231	NM_003779	ENSG00000	B4GALT3	beta4Gal-	beta-1,4-	protein-coding
chr1-1804	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1PA14|LI	-23890	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr10-920	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr10	92032193	92033243	+	0	NA	Intergeni	Intergeni	108948	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-647	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr11	647630	648533	+	0	NA	intron (N	intron (N	10812	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr12-109	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	5279	NM_032300	84260	Hs.410924	NM_032300	ENSG00000	TCHP	TpMs	trichople	protein-coding
chr14-677	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr14	67771203	67781748	+	0	NA	intron (N	MER58A|DN	40115	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-739	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr14	73984928	73987574	+	0	NA	intron (N	intron (N	33037	NM_001321	957	Hs.655070	NM_001249	ENSG00000	ENTPD5	CD39L4|NT	ectonucle	protein-coding
chr14-919	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr14	91936280	91938155	+	0	NA	intron (N	intron (N	10485	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr16-222	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr16	22256911	22259312	+	0	NA	intron (N	intron (N	-39264	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr17-397	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr17	39714148	39718141	+	0	NA	intron (N	intron (N	-10351	NR_039881	1.01E+08		NR_039881	ENSG00000	MIR4728	-	microRNA	ncRNA
chr17-503	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr17	50352403	50355357	+	0	NA	exon (NM_	exon (NM_	7754	NR_110010	64132	Hs.463416	NM_022167	ENSG00000	XYLT2	PXYLT2|SC	xylosyltr	protein-coding
chr17-820	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr17	82078495	82082596	+	0	NA	exon (NM_	exon (NM_	9595	NR_132755	1.07E+08		NR_132755		SNORD134	ZL12	small nuc	snoRNA
chr19-140	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr19	14095898	14107672	+	0	NA	intron (N	AluSp|SIN	6605	NM_001304	5566	Hs.631630	NM_002730	ENSG00000	PRKACA	PKACA|PPN	protein k	protein-coding
chr19-374	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr19	37419618	37427849	+	0	NA	intron (N	L1ME4b|LI	43711	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr19-394	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr19	39451684	39453984	+	0	NA	intron (N	AluSx|SIN	7186	NM_003169	6829	Hs.631604	NM_003169	ENSG00000	SUPT5H	SPT5|SPT5	SPT5 homo	protein-coding
chr2-5552	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr2	55523679	55527384	+	0	NA	intron (N	intron (N	5936	NM_080667	112942	Hs.264208	NM_080667	ENSG00000	CFAP36	BARTL1|CC	cilia and	protein-coding
chr20-116	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr20	1163206	1166234	+	0	NA	intron (N	intron (N	19753	NM_018354	55321	Hs.516834	NM_018354	ENSG00000	TMEM74B	C20orf46	transmemb	protein-coding
chr21-462	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr21	46249050	46250090	+	0	NA	intron (N	intron (N	20339	NR_110565	114044	Hs.655095	NR_002776	ENSG00000	MCM3AP-AS	C21orf85|	MCM3AP an	ncRNA
chr3-1291	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	-14989	NM_001204	339122	Hs.381132	NM_198490	ENSG00000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr4-1076	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	26764	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr7-1404	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluY|SINE	10222	NM_013446	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr9-4576	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr9	4576268	4577298	+	0	NA	intron (N	intron (N	85440	NR_148448	55064	Hs.179615	NM_017985	ENSG00000	SPATA6L	C9orf68|b	spermatog	protein-coding
chr9-8933	7.443175	0.626435	0.85497	0.732699	0.463742	0.981636	chr9	89338989	89339630	+	0	NA	intron (N	intron (N	20458	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr14-550	10.75041	0.532582	0.72692	0.732655	0.463769	0.981636	chr14	55035226	55035425	+	0	NA	intron (N	Tigger10|	8089	NM_080867	122809	Hs.744302	NM_080867	ENSG00000	SOCS4	SOCS7	suppresso	protein-coding
chr1-1625	10.26168	0.550606	0.751599	0.732579	0.463815	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	11824	NM_175866	127933	Hs.127310	NM_144624	ENSG00000	UHMK1	KIS|KIST|	U2AF homo	protein-coding
chr13-950	7.646907	-0.62532	0.853756	-0.73244	0.463903	0.981636	chr13	95018576	95019169	+	0	NA	TTS (NM_0	TTS (NM_0	58831	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr5-1798	7.646907	-0.62532	0.853756	-0.73244	0.463903	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MC5|LIN	20670	NM_198868	23061	Hs.155829	NM_015043	ENSG00000	TBC1D9B	GRAMD9B	TBC1 doma	protein-coding
chr2-1521	7.572486	-0.6344	0.866438	-0.7322	0.464049	0.981636	chr2	15218525	15218887	+	0	NA	intron (N	AluSx|SIN	342628	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr6-4257	7.572486	-0.6344	0.866438	-0.7322	0.464049	0.981636	chr6	42579589	42579788	+	0	NA	intron (N	AluJo|SIN	15659	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr1-1680	10.72499	0.528659	0.722311	0.7319	0.46423	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	46231	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2016	7.590052	-0.62559	0.854993	-0.73169	0.464358	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MC3|LIN	31572	NM_020443	89796	Hs.585374	NM_020443	ENSG00000	NAV1	POMFIL3|S	neuron na	protein-coding
chr7-1305	7.590052	-0.62559	0.854993	-0.73169	0.464358	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	8113	NR_029899	442904		NR_029899	ENSG00000	MIR335	MIRN335|h	microRNA	ncRNA
chr17-198	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr17	19824608	19825847	+	0	NA	intron (N	intron (N	42709	NM_001142	9706	Hs.168762	NM_014683	ENSG00000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr17-475	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr17	47555528	47556545	+	0	NA	intron (N	AluSx|SIN	24928	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr19-540	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr19	540957	542041	+	0	NA	exon (NM_	exon (NM_	-2554	NM_001258	3004	Hs.465511	NM_005317	ENSG00000	GZMM	LMET1|MET	granzyme	protein-coding
chr2-2239	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	24078	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|M	mitochond	protein-coding
chr2-2301	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	(CATG)n|S	25368	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr21-705	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr21	7053893	7054685	+	0	NA	intron (N	LTR12C|LT	5430	NM_001322	1.03E+08	Hs.743984	NM_001322036		LOC102724	-	uncharact	protein-coding
chr22-219	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr22	21957303	21959793	+	0	NA	exon (NM_	exon (NM_	-5700	NM_014634	9647	Hs.112728	NM_014634	ENSG00000	PPM1F	CAMKP|CaM	protein p	protein-coding
chr3-5317	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr3	53178638	53179941	+	0	NA	intron (N	L2b|LINE|	10586	NM_001354	5580	Hs.155342	NM_006254	ENSG00000	PRKCD	ALPS3|CVI	protein k	protein-coding
chr3-1830	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-36031	NM_001308	54165	Hs.592789	NM_020640	ENSG00000	DCUN1D1	DCNL1|DCU	defective	protein-coding
chr3-1854	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	7327	NM_080652	90407	Hs.677570	NM_080652	ENSG00000	TMEM41A	2900010K0	transmemb	protein-coding
chr4-1289	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	LTR105_Ma	135147	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr5-1228	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	25287	NM_003100	6643	Hs.125352	NM_003100	ENSG00000	SNX2	TRG-9	sorting n	protein-coding
chr6-1703	5.221104	0.742589	1.015092	0.731548	0.464444	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSz|SIN	31234	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr10-491	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr10	49105778	49106449	+	0	NA	intron (N	intron (N	9409	NM_001031	196740	Hs.522928	NM_144984	ENSG00000	VSTM4	C10orf72	V-set and	protein-coding
chr13-492	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr13	49209738	49210889	+	0	NA	TTS (NM_0	TTS (NM_0	-10025	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr15-370	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr15	37095814	37096513	+	0	NA	intron (N	intron (N	2533	NM_172315	4212	Hs.510989	NM_002399	ENSG00000	MEIS2	CPCMR|HsT	Meis home	protein-coding
chr18-352	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr18	35287397	35288053	+	0	NA	intron (N	L1ME2|LIN	2504	NM_001112	1E+08	Hs.619840	NM_001112	ENSG00000	ZSCAN30	ZNF-WYM|Z	zinc fing	protein-coding
chr19-467	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr19	46747534	46748911	+	0	NA	intron (N	AluSx3|SI	-1772	NM_001039	29888	Hs.631590	NM_013403	ENSG00000	STRN4	PPP2R6C|Z	striatin	protein-coding
chr5-5469	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr5	54693805	54695347	+	0	NA	intron (N	intron (N	8748	NR_104659	1.02E+08	Hs.637409	NR_104658		LOC102467	-	uncharact	ncRNA
chr5-1404	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	TTS (NM_0	TTS (NM_0	71192	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr6-8421	4.187713	-0.82467	1.127456	-0.73144	0.464509	0.981636	chr6	8421133	8421825	+	0	NA	intron (N	intron (N	14066	NM_001370	51000	Hs.285847	NM_015948	ENSG00000	SLC35B3	C6orf196|	solute ca	protein-coding
chr1-1737	9.176516	0.58606	0.801261	0.731422	0.464521	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	26919	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLE	kelch lik	protein-coding
chr1-1081	5.887957	-0.7027	0.961226	-0.73105	0.46475	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	LTR45C|LT	4135	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr19-358	5.887957	-0.7027	0.961226	-0.73105	0.46475	0.981636	chr19	35893708	35894365	+	0	NA	intron (N	AluSx|SIN	5701	NM_001321	84807	Hs.466531	NM_032721	ENSG00000	NFKBID	IkBNS|Ika	NFKB inhi	protein-coding
chr3-3271	5.887957	-0.7027	0.961226	-0.73105	0.46475	0.981636	chr3	32716666	32717261	+	0	NA	intron (N	intron (N	21422	NM_001256	25904	Hs.444851	NM_015442	ENSG00000	CNOT10	-	CCR4-NOT	protein-coding
chr5-7502	5.887957	-0.7027	0.961226	-0.73105	0.46475	0.981636	chr5	75028680	75030004	+	0	NA	exon (NM_	exon (NM_	23216	NM_001366	51301	Hs.272404	NM_016591	ENSG00000	GCNT4	C2GNT3|LI	glucosami	protein-coding
chr1-1194	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr1	11944463	11953676	+	0	NA	intron (N	MLT1K|LTR	14352	NM_001316	5351	Hs.75093	NM_000302	ENSG00000	PLOD1	EDS6|EDSK	procollag	protein-coding
chr11-105	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr11	10532568	10533616	+	0	NA	intron (N	intron (N	8095	NM_016422	50862	Hs.44685	NM_016422	ENSG00000	RNF141	RFP141|ZF	ring fing	protein-coding
chr14-241	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr14	24178588	24180870	+	0	NA	TTS (NR_0	TTS (NR_0	7649	NM_005132	9985	Hs.419259	NM_005132	ENSG00000	REC8	HR21spB|R	REC8 meio	protein-coding
chr19-215	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr19	21507803	21508432	+	0	NA	TTS (NR_1	TTS (NR_1	2515	NM_001346	353088	Hs.572567	NM_001001	ENSG00000	ZNF429	-	zinc fing	protein-coding
chr5-1330	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	24799	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEL	heat shoc	protein-coding
chr6-1438	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-2581	NM_001013	153918	Hs.121188	NM_001013	ENSG00000	ZC2HC1B	C6orf94|F	zinc fing	protein-coding
chr6-1459	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PB3|LIN	14591	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr8-3901	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr8	39010453	39011033	+	0	NA	intron (N	MER104|DN	7942	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr8-9486	7.656615	-0.61524	0.842029	-0.73066	0.464987	0.981636	chr8	94860149	94860572	+	0	NA	intron (N	AluSq2|SI	34894	NM_057749	9134	Hs.521693	NM_004702	ENSG00000	CCNE2	CYCE2	cyclin E2	protein-coding
chr12-462	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr12	46251826	46252803	+	0	NA	intron (N	L1PA6|LIN	14202	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr13-980	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr13	98015505	98017551	+	0	NA	intron (N	intron (N	62853	NM_002271	3843	Hs.712598	NM_002271	ENSG00000	IPO5	IMB3|KPNB	importin	protein-coding
chr16-163	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr16	16317575	16317781	+	0	NA	promoter-	promoter-	69	NR_036447	339044	Hs.636569	NR_036447		PKD1P1	HG1|NPIP	polycysti	pseudo
chr18-566	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr18	56601883	56603576	+	0	NA	non-codin	non-codin	35863	NR_024546	9352	Hs.114412	NM_004786	ENSG00000	TXNL1	HEL-S-114	thioredox	protein-coding
chr18-687	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr18	68708161	68712469	+	0	NA	intron (N	intron (N	4793	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr2-1124	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	32909	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr6-4031	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr6	4031052	4032536	+	0	NA	exon (NM_	exon (NM_	10494	NM_003913	8899	Hs.159014	NM_003913	ENSG00000	PRPF4B	PR4H|PRP4	pre-mRNA	protein-coding
chr9-1090	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-14438	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr9-1110	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	7708	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chrX-1297	7.615475	-0.61872	0.847055	-0.73043	0.465126	0.981636	chrX	12977190	12977532	+	0	NA	TTS (NM_0	TTS (NM_0	2251	NM_021109	7114	Hs.437277	NM_021109	ENSG00000	TMSB4X	FX|PTMB4|	thymosin	protein-coding
chr15-526	10.17755	0.540075	0.73968	0.730147	0.465301	0.981636	chr15	52667608	52668047	+	0	NA	intron (N	L1MA6|LIN	10807	NM_019600	56204	Hs.152385	NM_019600	ENSG00000	FAM214A	KIAA1370	family wi	protein-coding
chr17-426	10.17755	0.540075	0.73968	0.730147	0.465301	0.981636	chr17	42611904	42613634	+	0	NA	intron (N	intron (N	3086	NM_001070	7283	Hs.279669	NM_001070	ENSG00000	TUBG1	CDCBM4|GC	tubulin g	protein-coding
chr1-1476	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	55301	NM_001323	51205	Hs.562154	NM_016361	ENSG00000	ACP6	ACPL1|LPA	acid phos	protein-coding
chr11-703	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr11	70335316	70336680	+	0	NA	intron (N	MER58A|DN	52043	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr17-731	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr17	7317741	7318597	+	0	NA	exon (NM_	exon (NM_	-2809	NM_004489	2874	Hs.438219	NM_004489	ENSG00000	GPS2	AMF-1	G protein	protein-coding
chr19-181	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr19	18141857	18146640	+	0	NA	intron (N	L2b|LINE|	-8915	NR_162071	5296	Hs.371344	NM_005027	ENSG00000	PIK3R2	MPPH|MPPH	phosphoin	protein-coding
chr20-473	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr20	47309162	47309409	+	0	NA	intron (N	intron (N	-9217	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr6-3178	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr6	31784325	31786158	+	0	NA	intron (N	intron (N	-7913	NM_025258	80737	Hs.558553	NM_025258	ENSG00000	VWA7	C6orf27|G	von Wille	protein-coding
chr7-7595	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr7	75953964	75956143	+	0	NA	intron (N	AluJb|SIN	11270	NR_002955	677801	Hs.689708	NR_002955	ENSG00000	SNORA14A	ACA14a	small nuc	snoRNA
chr9-1048	7.476456	0.629542	0.862238	0.730126	0.465313	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	72759	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr3-1335	10.6917	0.526312	0.721	0.729974	0.465406	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	1396	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr12-637	5.895815	-0.70486	0.965654	-0.72993	0.46543	0.981636	chr12	63784608	63784943	+	0	NA	intron (N	intron (N	4649	NM_001278	10329	Hs.216386	NM_014254	ENSG00000	RXYLT1	HP10481|M	ribitol x	protein-coding
chr1-5304	4.154431	-0.83453	1.143315	-0.72992	0.465438	0.981636	chr1	53041190	53042226	+	0	NA	intron (N	L2|LINE|L	-20344	NM_001199	127435	Hs.586141	NM_153703	ENSG00000	PODN	PCAN|SLRR	podocan	protein-coding
chr10-109	4.154431	-0.83453	1.143315	-0.72992	0.465438	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MC1|LIN	13081	NM_001324	7511	Hs.390623	NM_020383	ENSG00000	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr12-193	7.664473	-0.61685	0.845173	-0.72986	0.465478	0.981636	chr12	19336616	19337220	+	0	NA	intron (N	intron (N	-102574	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr5-1194	7.664473	-0.61685	0.845173	-0.72986	0.465478	0.981636	chr5	1.19E+08	1.2E+08	+	0	NA	intron (N	intron (N	47177	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr8-2331	7.664473	-0.61685	0.845173	-0.72986	0.465478	0.981636	chr8	23313074	23318778	+	0	NA	intron (N	intron (N	-20282	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr9-8934	7.664473	-0.61685	0.845173	-0.72986	0.465478	0.981636	chr9	89343677	89344379	+	0	NA	intron (N	L1PREC2|L	25177	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding

chr19-117	17.13421	0.425306	0.582804	0.729758	0.465538	0.981636	chr19	11776444	11783195	+		0	NA	intron (N	AluJb|SIN	12819	NM_152355	126068	Hs.675132	NM_152355	ENSG0000C	ZNF441	-	zinc fing	protein-coding
chr1-1008	9.64768	0.558557	0.765896	0.729285	0.465827	0.981636	chr1	1.01E+08	1.01E+08	+		0	NA	intron (N	intron (N	17397	NM_001033	2135	Hs.357637	NM_001439	ENSG0000C	EXTL2	EXTR2	exostosir	protein-coding
chr12-827	9.64768	0.558557	0.765896	0.729285	0.465827	0.981636	chr12	827425	827698	+		0	NA	intron (N	AluSz|SIN	74638	NM_213655	65125	Hs.744906	NM_014823	ENSG0000C	WNK1	HSAN2|HSN	WNK lysir	protein-coding
chr15-636	7.99061	0.605006	0.829606	0.729269	0.465837	0.981636	chr15	63631761	63633871	+		0	NA	intron (N	intron (N	-31989	NR_034080	1E+08	Hs.631163	NR_034080	ENSG0000C	USP3-AS1	-	USP3 anti	ncRNA
chr16-468	7.99061	0.605006	0.829606	0.729269	0.465837	0.981636	chr16	4681505	4681861	+		0	NA	exon (NM_	exon (NM_	10365	NR_106827	1.02E+08		NR_106827	ENSG0000C	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr3-1946	7.99061	0.605006	0.829606	0.729269	0.465837	0.981636	chr3	1.95E+08	1.95E+08	+		0	NA	intron (N	L2a|LINE|	5269	NM_138399	93109	Hs.478729	NM_138399	ENSG0000C	TMEM44	-	transmemb	protein-coding
chr1-1111	10.69956	0.524801	0.719709	0.729184	0.465889	0.981636	chr1	1.11E+08	1.11E+08	+		0	NA	intron (N	intron (N	8067	NR_138483	10390	Hs.363572	NM_006090	ENSG0000C	CEPT1	-	choline/e	protein-coding
chr12-123	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr12	1.24E+08	1.24E+08	+		0	NA	intron (N	AluSx|SIN	18044	NM_012463	23545	Hs.25786	NM_012463	ENSG0000C	ATP6V0A2	A2|ARCL|A	ATPase H+	protein-coding
chr14-751	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr14	75119771	75120368	+		0	NA	intron (N	intron (N	6979	NM_001329	91754	Hs.7200	NM_033116	ENSG0000C	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr17-619	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr17	61970726	61971349	+		0	NA	intron (N	AluJb|SIN	-43055	NM_001330	57508	Hs.279646	NM_020748	ENSG0000C	INTS2	INT2|KIAA	integrato	protein-coding
chr19-381	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr19	38154250	38154654	+		0	NA	intron (N	AluSq2|SI	-8644	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr19-508	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr19	50801383	50802098	+		0	NA	TTS (NR_C	TTS (NR_C	681	NR_003069	692204		NR_003069	ENSG0000C	SNORD88C	HBII-180C	small nuc	snoRNA
chr5-1710	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr5	1.71E+08	1.71E+08	+		0	NA	intron (N	MER41-int	193261	NM_022897	64901	Hs.410810	NM_022897	ENSG0000C	RANBP17	-	RAN bindi	protein-coding
chr6-1498	5.880099	-0.70063	0.961159	-0.72895	0.466034	0.981636	chr6	1.5E+08	1.5E+08	+		0	NA	intron (N	AluJr4|SI	55257	NM_001360	5110	Hs.279257	NM_005389	ENSG0000C	PCMT1	PIMT	protein-l	protein-coding
chr10-965	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr10	96543416	96544783	+		0	NA	exon (NM_	exon (NM_	-30173	NM_012465	7093	Hs.154296	NM_012465	ENSG0000C	TLL2	-	tolloid l	protein-coding
chr11-276	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr11	27661600	27662136	+		0	NA	intron (N	intron (N	-2219	NM_001143	627	Hs.502182	NM_001709	ENSG0000C	BDNF	ANON2|BUI	brain der	protein-coding
chr12-476	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr12	47695907	47696544	+		0	NA	intron (N	intron (N	9805	NM_024604	79657	Hs.437855	NM_024604	ENSG0000C	RPAP3	Tah1|hSpa	RNA polym	protein-coding
chr15-572	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr15	57281450	57284460	+		0	NA	intron (N	intron (N	-4298	NR_145748	1.1E+08		NR_145748	ENSG0000C	SNORD13D	-	small nuc	snoRNA
chr2-3720	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr2	37208867	37214562	+		0	NA	intron (N	intron (N	15218	NM_001322	1.01E+08	Hs.666958	NM_001322	ENSG0000C	CEBPZOS	CEBPZ-AS1	CEBPZ opp	protein-coding
chr2-5565	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr2	55654056	55654426	+		0	NA	intron (N	AluSx4|SI	-36619	NM_020463	57223	Hs.516182	NM_020463	ENSG0000C	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-6526	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr2	65268043	65272884	+		0	NA	3' UTR (N	3' UTR (N	42768	NM_001005	10097	Hs.643727	NM_005722	ENSG0000C	ACTR2	ARP2	actin rel	protein-coding
chr2-2377	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr2	2.38E+08	2.38E+08	+		0	NA	intron (N	intron (N	-39758	NM_001080	375316	Hs.607265	NM_198852	ENSG0000C	RBM44	-	RNA bindi	protein-coding
chr21-293	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr21	29362211	29363408	+		0	NA	TTS (NR_C	TTS (NR_C	-9692	NR_046564	1.01E+08	Hs.326404	NR_046564		BACH1-IT2	-	BACH1 int	ncRNA
chr3-5261	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr3	52615418	52617271	+		0	NA	intron (N	intron (N	69255	NM_001350	55193	Hs.189920	NM_018165	ENSG0000C	PBRM1	BAF180|PE	polybromo	protein-coding
chr4-7549	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr4	75498470	75500742	+		0	NA	intron (N	L1MA4|LIN	9690	NR_103725	25898	Hs.48297	NM_015436	ENSG0000C	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr5-7287	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr5	72879069	72880228	+		0	NA	TTS (NR_C	TTS (NR_C	1057	NR_039968	1.01E+08		NR_039968	ENSG0000C	MIR4804	-	microRNA	ncRNA
chr5-1518	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr5	1.52E+08	1.52E+08	+		0	NA	intron (N	AluSx3|SI	-31127	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA
chr5-1775	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr5	1.78E+08	1.78E+08	+		0	NA	intron (N	intron (N	-18284	NM_016222	51428	Hs.484288	NM_016222	ENSG0000C	DDX41	ABS|MPLPF	DEAD-box	protein-coding
chr6-8756	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr6	87567371	87568670	+		0	NA	intron (N	AluSc8|SI	21967	NM_020320	57038	Hs.485910	NM_020320	ENSG0000C	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr6-1444	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr6	1.44E+08	1.44E+08	+		0	NA	intron (N	AluSx|SIN	83780	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr6-1513	7.648757	-0.61362	0.84188	-0.72887	0.466082	0.981636	chr6	1.51E+08	1.51E+08	+		0	NA	exon (NM_	exon (NM_	23936	NM_001370	9590	Hs.371240	NM_005100	ENSG0000C	AKAP12	AKAP250|S	A-kinase	protein-coding
chr14-305	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr14	30597702	30598273	+		0	NA	intron (N	intron (N	-20630	NR_151720	1.05E+08	Hs.603980	NR_151720	ENSG0000C	G2E3-AS1	CAT1647	G2E3 anti	ncRNA
chr14-903	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr14	90315645	90316744	+		0	NA	intron (N	intron (N	15747	NM_017970	55051	Hs.528131	NM_017970	ENSG0000C	NRDE2	C14orf102	NRDE-2, r	protein-coding
chr17-366	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr17	3661454	3662949	+		0	NA	TTS (NM_C	TTS (NM_C	6377	NM_014604	30851	Hs.12956	NM_014604	ENSG0000C	TAX1BP3	TIP-1|TIF	Tax1 binc	protein-coding
chr17-161	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr17	16105793	16108129	+		0	NA	intron (N	AluY|SINE	46235	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-115	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr19	11599367	11601208	+		0	NA	intron (N	AluY|SINE	2804	NM_145295	199692	Hs.526665	NM_145295	ENSG0000C	ZNF627	-	zinc fing	protein-coding
chr19-525	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr19	52592194	52595094	+		0	NA	Intergeni	SVA_D|Ret	-3040	NR_023311	7696	Hs.373648	NM_003438		ZNF137P	ZNF137|pH	zinc fing	pseudo
chr2-6916	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr2	69165530	69166717	+		0	NA	intron (N	L4_A_Mam|	62441	NR_036073	1E+08		NR_036073	ENSG0000C	MIR3126	mir-3126	microRNA	ncRNA
chr2-1137	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr2	1.14E+08	1.14E+08	+		0	NA	exon (NM_	exon (NM_	-1758	NR_039943	1.01E+08		NR_039943	ENSG0000C	MIR4782	-	microRNA	ncRNA
chr5-1474	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr5	1.47E+08	1.47E+08	+		0	NA	intron (N	intron (N	52564	NM_001387	1809	Hs.519659	NM_001387	ENSG0000C	DPYSL3	CRMP-4|CR	dihydropy	protein-coding
chr8-1320	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr8	1.32E+08	1.32E+08	+		0	NA	non-codir	non-codir	46657	NM_001080	729330	Hs.653174	NM_001080	ENSG0000C	OC90	PLA2L	otoconin	protein-coding
chr8-1405	5.913381	-0.69385	0.952681	-0.72831	0.466422	0.981636	chr8	1.41E+08	1.41E+08	+		0	NA	intron (N	AluJr|SIN	56431	NM_001164	27161	Hs.660189	NM_012154	ENSG0000C	AGO2	CASC7|EIF	argonaute	protein-coding
chr1-1938	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr1	19382498	19382738	+		0	NA	intron (N	intron (N	70292	NM_001040	54896	Hs.647620	NM_017765	ENSG0000C	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr17-161	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr17	16198456	16198661	+		0	NA	intron (N	AluSp|SIN	-3919	NM_001190	9611	Hs.462323	NM_006311	ENSG0000C	NCOR1	N-CoR|N-C	nuclear r	protein-coding
chr19-196	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr19	19648989	19649819	+		0	NA	intron (N	intron (N	-5747	NM_016573	51291	Hs.49427	NM_016573	ENSG0000C	GMIP	ARHGAP46	GEM inter	protein-coding
chr3-5663	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr3	56638209	56639142	+		0	NA	intron (N	intron (N	25371	NM_015224	23272	Hs.116877	NM_015224	ENSG0000C	TASOR	C3orf63|F	transcrip	protein-coding
chr7-9249	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr7	92490769	92491616	+		0	NA	intron (N	intron (N	-13246	NM_001130	30816		NM_014590	ENSG0000C	ERVW-1	ENV|ENVW|	endogenou	protein-coding
chr7-1299	7.402035	0.625434	0.859241	0.727891	0.466681	0.981636	chr7	1.3E+08	1.3E+08	+		0	NA	intron (N	FAM|SINE|	13785	NM_003344	7328	Hs.643548	NM_003344	ENSG0000C	UBE2H	E2-20K|GI	ubiquitir	protein-coding
chr2-6124	11.57311	-0.50966	0.700198	-0.72787	0.466691	0.981636	chr2	61240692	61241370	+		0	NA	intron (N	intron (N	63613	NR_152211	130872	Hs.655602	NM_152392	ENSG0000C	AHSA2P	AHA1|AHSA	activator	pseudo
chr1-1847	10.68385	0.527865	0.725344	0.727745	0.46677	0.981636	chr1	1.85E+08	1.85E+08	+		0	NA	exon (NM_	exon (NM_	48163	NM_001319	80267	Hs.523811	NM_025191	ENSG0000C	EDEM3	C1orf22	ER degrac	protein-coding
chr16-475	7.982752	0.60712	0.834334	0.72767	0.466816	0.981636	chr16	47503077	47504058	+		0	NA	intron (N	AluSc|SIN	42236	NM_001031	5257	Hs.78060	NM_000293	ENSG0000C	PHKB	-	phosphory	protein-coding
chr11-433	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr11	43392900	43394228	+		0	NA	intron (N	MER21B|LT	34644	NM_018259	55761	Hs.191186	NM_018259	ENSG0000C	TTC17	-	tetratric	protein-coding
chr12-644	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr12	6447140	6448674	+		0	NA	intron (N	intron (N	3022	NM_001242	939	Hs.355307	NM_001242	ENSG0000C	CD27	S152|S152	CD27 mole	protein-coding
chr16-840	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr16	84090679	84092888	+		0	NA	exon (NM_	exon (NM_	25159	NM_003791	8720	Hs.75890	NM_003791	ENSG0000C	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr19-514	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr19	5148223	5149210	+		0	NA	intron (N	intron (N	179603	NM_001370	23030	Hs.654816	NM_015015	ENSG0000C	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr5-6601	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr5	66016317	66016652	+		0	NA	intron (N	L1MA4|LIN	-70911	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr6-3330	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr6	33304731	33305362	+		0	NA	exon (NM_	exon (NM_	-5658	NM_001243	5863	Hs.509622	NM_004761	ENSG0000C	RGL2	HKE1.5|KE	ral guani	protein-coding
chr7-1407	7.409893	0.623274	0.85664	0.72758	0.466871	0.981636	chr7	1.41E+08	1.41E+08	+		0	NA	intron (N	Tigger18a	-96462	NR_024454	1E+08	Hs.534141	NR_024454	ENSG0000C	NDUFB2-AS	-	NDUFB2 ar	ncRNA
chr5-3739	8.023892	0.608124	0.836293	0.727166	0.467124	0.981636	chr5	37396421	37397064	+		0	NA	intron (N	AluSx|SIN	17424	NM_001345	55100	Hs.213690	NM_018034	ENSG0000C	WDR70	-	WD repeat	protein-coding
chr2-1552	5.862534	-0.71209	0.97942	-0.72705	0.467195	0.981636	chr2	15525098	15525829	+		0	NA	intron (N	MIRc|SINE	35871	NM_015909	51594	Hs.467759	NM_015909	ENSG0000C	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr5-1687	5.862534	-0.71209	0.97942	-0.72705	0.467195	0.981636	chr5	16870669	16871487	+		0	NA	intron (N	L1MB3|LIN	65210	NM_012334	4651	Hs.481720	NM_012334	ENSG0000C	MYO10	-	myosin X	protein-coding
chr11-474	10.21083	0.542472	0.746131	0.727047	0.467197	0.981636	chr11	47419832	47420521	+		0	NA	intron (N	intron (N	6297	NM_002804	5702	Hs.250758	NM_002804	ENSG0000C	PSMC3	TBP1	proteasom	protein-coding
chr1-2467	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr1	2.47E+08	2.47E+08	+		0	NA	intron (N	HERVIP10F	23774	NM_016002	51097	Hs.498397	NM_016002	ENSG0000C	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr17-108	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr17	1089351	1090507	+		0	NA	intron (N	AluSx1|SI	-10936	NM_001282	29	Hs.159306	NM_001092	ENSG0000C	ABR	MDB	ABR activ	protein-coding
chr17-426	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr17	42697187	42698457	+		0	NA	intron (N	intron (N	10329	NR_106838	1.02E+08		NR_106838	ENSG0000C	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr20-508	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr20	50832510	50834210	+		0	NA	intron (N	intron (N	38466	NM_198799	55653	Hs.381178	NM_017843	ENSG0000C	BCAS4	CNOL	breast ca	protein-coding
chr5-8351	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr5	83512023	83513174	+		0	NA	intron (N	intron (N	40854	NM_004385	1462	Hs.643801	NM_004385	ENSG0000C	VCAN	CSPG2|ERV	versican	protein-coding
chr5-1574	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr5	1.57E+08	1.57E+08	+		0	NA	intron (N	intron (N	-27602	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr7-6435	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr7	64352901	64353911	+		0	NA	3' UTR (N	3' UTR (N	39445	NM_001170	728927	Hs.386162	NM_001170	ENSG0000C	ZNF736	-	zinc fing	protein-coding
chr7-1520	5.187822	0.738372	1.015596	0.727033	0.467206	0.981636	chr7	1.52E+08	1.52E+08	+		0	NA	intron (N	LTR8B|LTR	14172	NM_001371474								
chr10-100	6.967852	0.698105	0.960574	0.726758	0.467374	0.981636	chr10	1.01E+08	1.01E+08	+		0	NA	TTS (NM_C	TTS (NM_C	-6771	NM_017893	57715	Hs.591923	NM_017893	ENSG0000C	SEMA4G	-	semaphori	protein-coding
chr1-3166	5.428351	-0.74203	1.021064	-0.72672	0.467397	0.981636	chr1	31663462	31663910	+		0	NA	intron (N	Charlie15	-18810	NR_033686	553115	Hs.470417	NM_012392	ENSG0000C	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr12-129	5.428351	-0.74203	1.021064	-0.72672	0.467397	0.981636	chr12	12930388	12930587	+		0	NA	intron (N	MER5C1|DN	2761	NR_149067	1.01E+08	Hs.127718	NR_038920	ENSG0000C	GPRC5D-AS	-	GPRC5D ar	ncRNA
chr12-780	5.428351	-0.74203	1.021064	-0.72672	0.467397	0.981636	chr12	78041499	78041847	+		0	NA	intron (N	L3|LINE|C	210779	NM_014903	89795	Hs.655301	NM_014903	ENSG0000C	NAV3	POMFIL1|S	neuron na	protein-coding
chr14-731	7.998468	0.602979	0.829747	0.726702	0.467408	0.981636	chr14	73148267	73149074	+		0	NA	intron (N	AluSq2|SI	12163	NM_007318	5663	Hs.3260	NM_000021	ENSG0000C	PSEN1	ACNINV3|A	presenili	protein-coding
chr10-409	18.9674	0.428617	0.58994	0.726543	0.467506	0.981636	chr10	40967478	40967700	+		0	NA	Intergeni	ALR/Alpha	1400456	NR_024380	441666	Hs.255729	NR_024380	ENSG0000C	LOC441666	-	zinc fing	pseudo
chr16-840	5.179964	0.741487	1.020666	0.726473	0.467549	0.981636	chr16	84081005	84081638	+		0	NA	intron (N	L1MC4a|LI	35621	NM_003791	8720	Hs.75890	NM_003791	ENSG0000C	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr20-517	5.179964	0.741487	1.020666	0.726473	0.467549	0.981636	chr20	51709563	51710089	+		0	NA	intron (N	L1MC4|LIN	58564	NM_006045	10079	Hs.649234	NM_006045	ENSG0000C	ATP9A	ATPIIA	ATPase ph	protein-coding
chr4-1457	5.179964	0.741487	1.020666	0.726473	0.467549	0.981636	chr4	1.46E+08	1.46E+08	+		0	NA	intron (N	intron (N	93783	NM_001080	646603		NM_001080	ENSG0000C	C4orf51	-	chromosom	protein-coding
chr2-2312	7.672331	-0.61849	0.851414	-0.72643	0.467576	0.981636	chr2	2.31E+08	2.31E+08	+		0	NA	intron (N	intron (N	62520	NM_001352	80210	Hs.162411	NM_025139	ENSG0000C	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr1-5654	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr1	56543431	56543958	+		0	NA	intron (N	intron (N	35869	NM_003713	8613	Hs.405156	NM_003713	ENSG0000C	PLPP3	Dri42|LPP	phospholi	protein-coding
chr10-801	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr10	80147523	80154850	+		0	NA	3' UTR (N	3' UTR (N	18456	NM_001331	219348	Hs.204947	NM_001012	ENSG0000C	PLAC9	-	placenta	protein-coding
chr11-195	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr11	1955036	1955940	+		0	NA	intron (N	intron (N	6157	NR_132974	1.07E+08		NR_132974		SNORD131	-	small nuc	snoRNA
chr11-931	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr11	93183815	93184372	+		0	NA	intron (N	intron (N	13333	NM_001286	120103	Hs.148766	NM_152313	ENSG0000C	SLC36A4	PAT4	solute ca	protein-coding
chr12-459	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr12	45918177	45919728	+		0	NA	TTS (NM_C	TTS (NM_C	71622	NM_004719	9169	Hs.210367	NM_004719	ENSG0000C	SCAF11	CASP11|SF	SR-relate	protein-coding
chr12-542	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr12	54241591	54243264	+		0	NA	intron (N	AluY|SINE	-10951	NR_039851	1.01E+08		NR_039851	ENSG0000C	MIR3198-2	mir-3198-	microRNA	ncRNA
chr12-121	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr12	1.21E+08	1.21E+08	+		0	NA	intron (N	AluSq2|SI	14870	NM_194271	80196	Hs.292804	NM_025126	ENSG0000C	RNF34	CARP-1|CA	ring fing	protein-coding
chr14-885	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr14	88544145	88545837	+		0	NA	intron (N	AluSx|SIN	10016	NM_007039	11099	Hs.437040	NM_007039	ENSG0000C	PTPN21	PTPD1|PTP	protein t	protein-coding
chr15-759	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr15	75907095	75908178	+		0	NA	intron (N	AluSz|SIN	3758	NM_147188	26263	Hs.591115	NM_012170	ENSG0000C	FBXO22	FBX22|FIS	F-box pro	protein-coding
chr16-857	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr16	85777246	85777497	+		0	NA	Intergeni	Intergeni	-15044	NR_135193	1.02E+08	Hs.662217	NR_135193	ENSG0000C	LOC101928	-	uncharact	ncRNA
chr16-888	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr16	88808679	88809717	+		0	NA	TTS (NM_C	TTS (NM_C	2730	NM_001030	353	Hs.28914	NM_000485	ENSG0000C	APRT	AMP|APRTD	adenine p	protein-coding
chr18-346	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr18	3460435	3461937	+		0	NA	Intergeni	L1M4a1|LI	-5064	NR_110429	1.01E+08	Hs.635114	NR_110428	ENSG0000C	GAPLINC	LINC0154C	gastric a	ncRNA
chr2-3877	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr2	38779810	38781182	+		0	NA	intron (N	AluSc8|SI	2286	NM_024775	79833	Hs.143818	NM_024775	ENSG0000C	GEMIN6	-	gem nucle	protein-coding
chr2-2077	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr2	2.08E+08	2.08E+08	+		0	NA	intron (N	AluSx1|SI	-2524	NR_039934	1.01E+08		NR_039934	ENSG0000C	MIR4775	-	microRNA	ncRNA
chr20-490	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr20	49057616	49060468	+		0	NA	intron (N	AluY|SINE	12730	NM_001316	1434	Hs.90073	NM_001316	ENSG0000C	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr3-1240	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	12407904	12409048	+		0	NA	3' UTR (N	3' UTR (N	56974	NM_015869	5468	Hs.162646	NM_005037	ENSG0000C	PPARG	CIMT1|GLM	peroxisom	protein-coding
chr3-4563	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	45636622	45637483	+		0	NA	intron (N	intron (N	42301	NM_014240	8994	Hs.193370	NM_014240	ENSG0000C	LIMD1	-	LIM domai	protein-coding
chr3-5827	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	58274858	58276415	+		0	NA	intron (N	intron (N	-30609	NM_001348	1.1E+08	Hs.446320	NM_001348	ENSG0000C	HTD2	-	hydroxyac	protein-coding
chr3-7304	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	73048415	73049525	+		0	NA	intron (N	intron (N	-12689	NM_018029	55096	Hs.658858	NM_018029	ENSG0000C	EBLN2	EBLN-2	endogenou	protein-coding
chr3-1336	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	1.34E+08	1.34E+08	+		0	NA	intron (N	intron (N	12862	NM_001363	11073	Hs.593379	NM_007027	ENSG0000C	TOPBP1	Dpb11|TOP	DNA topoi	protein-coding
chr3-1362	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	1.36E+08	1.36E+08	+		0	NA	intron (N	L1MC4|LIN	13778	NM_000532	5096	Hs.63788	NM_000532	ENSG0000C	PCCB	-	propionyl	protein-coding
chr3-1381	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	1.38E+08	1.38E+08	+		0	NA	3' UTR (N	3' UTR (N	13613	NM_016216	51163	Hs.477700	NM_016216	ENSG0000C	DBR1	-	debranchi	protein-coding
chr3-1946	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr3	1.95E+08	1.95E+08	+		0	NA	intron (N	AluSx|SIN	19238	NR_047574	1.01E+08	Hs.586059	NR_047573		TMEM44-AS	-	TMEM44 ar	ncRNA
chr5-1470	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr5	14705096	14705619	+		0	NA	3' UTR (N	3' UTR (N	-7337	NR_046285	1E+08	Hs.660550	NR_046285		LOC100130	-	uncharact	ncRNA
chr5-3696	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr5	36963959	36965361	+		0	NA	intron (N	L1MA4|LIN	87891	NM_015384	25836	Hs.481927	NM_015384	ENSG0000C	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-6238	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr5	62384907	62387704	+		0	NA	TTS (NM_C	TTS (NM_C	17600	NM_001348	27292	Hs.731665	NM_014473	ENSG0000C	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-7472	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr5	74729424	74730229	+		0	NA	intron (N	Tigger11a	37291	NR_104006	84340	Hs.277154	NM_032380	ENSG0000C	GFM2	EF-G2mt|E	G elongat	protein-coding
chr7-1273	5.905523	-0.6918	0.952613	-0.72622	0.467706	0.981636	chr7	1.27E+08	1.27E+08	+		0	NA	Intergeni	Intergeni	30339	NM_176814	168850	Hs.159006	NM_176814	ENSG0000C	ZNF800	-	zinc fing	protein-coding
chr1-2381	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr1	23812753	23814517	+		0	NA	intron (N	MIRb|SINE	11794	NM_000191	3155	Hs.533444	NM_000191	ENSG0000C	HMGCL	HL	3-hydroxy	protein-coding
chr1-3786	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr1	37863932	37864428	+		0	NA	intron (N	intron (N	-4588	NM_005955	4520	Hs.471991	NM_005955	ENSG0000C	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr19-441	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr19	44115546	44116428	+		0	NA	intron (N	AluSx|SIN	2588	NM_013362	7768	Hs.279567	NM_013362	ENSG0000C	ZNF225	-	zinc fing	protein-coding
chr2-6907	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr2	69070052	69073910	+		0	NA	intron (N	intron (N	-31701	NR_036073	1E+08		NR_036073	ENSG0000C	MIR3126	mir-3126	microRNA	ncRNA
chr4-1240	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr4	1240665	1241397	+		0	NA	intron (N	intron (N	8099	NM_001328	1487	Hs.208597	NM_001328	ENSG0000C	CTBP1	BARS|HADD	C-termina	protein-coding
chr4-8878	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr4	88785516	88786706	+		0	NA	intron (N	intron (N	37250	NM_001015	10144	Hs.97270	NM_014883	ENSG0000C	FAM13A	ARHGAP48|	family wi	protein-coding
chr5-1731	7.965187	0.599948	0.826143	0.726203	0.467714	0.981636	chr5	1.73E+08	1.73E+08	+		0	NA	exon (NM_	exon (NM_	15481	NM_013980	662	Hs.145726	NM_001205	ENSG0000C	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr10-683	7.138303	-0.65105	0.897265	-0.72559	0.468088	0.981636	chr10	68387605	68387847	+		0	NA	intron (N	AluSg|SIN	19463	NM_017987	55680	Hs.653144	NM_017987	ENSG0000C	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr4-3989	7.138303	-0.65105	0.897265	-0.72559	0.468088	0.981636	chr4	39899623	39900050	+		0	NA	intron (N	AluJb|SIN	78075	NM_001100	23244	Hs.331431	NM_015200	ENSG0000C	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr16-895	14.30582	-0.45741	0.630464	-0.72551	0.468141	0.981636	chr16	89561038	89564921	+		0	NA	exon (NM_	exon (NM_	1549	NR_002450	606500		NR_002450		SNORD68	HBII-202	small nuc	snoRNA
chr11-689	10.70742	0.523307	0.72141	0.725395	0.46821	0.981636	chr11	68923726	68926721	+		0	NA	intron (N	AluSz|SIN	21372	NM_002180	3508	Hs.503048	NM_002180	ENSG0000C	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr12-112	10.70742	0.523307	0.72141	0.725395	0.46821	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	exon (NM_	exon (NM_	-80119	NR_106921	1.02E+08		NR_106921	ENSG0000C	MIR6861	hsa-mir-6	microRNA	ncRNA
chr5-4785	17.14207	0.424354	0.585215	0.725124	0.468376	0.981636	chr5	47855307	47857065	+		0	NA	Intergeni	ALR/Alpha	-2159806	NM_021072	348980	Hs.353176	NM_021072	ENSG0000C	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-3166	5.854676	-0.70998	0.979359	-0.72494	0.468489	0.981636	chr1	31665277	31665868	+		0	NA	intron (N	intron (N	-20696	NR_033686	553115	Hs.470417	NM_012392	ENSG0000C	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr2-2166	9.861305	-0.54283	0.748843	-0.7249	0.468516	0.981636	chr2	2.17E+08	2.17E+08	+		0	NA	intron (N	intron (N	10986	NM_000599	3488	Hs.607212	NM_000599	ENSG0000C	IGFBP5	IBP5	insulin l	protein-coding

chr1-1514	7.957329	0.602018	0.830856	0.724576	0.468712	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	950	NM_207171	23126	Hs.489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo trar	protein-coding
chr16-507	7.957329	0.602018	0.830856	0.724576	0.468712	0.981636	chr16	50783336	50784012	+	0	NA	intron (N	AluSx|SIN	-22998	NR_146573	1.05E+08		NR_146573	ENSG00000	LINC02168	-	long inte	ncRNA
chr16-748	7.957329	0.602018	0.830856	0.724576	0.468712	0.981636	chr16	74884433	74885047	+	0	NA	intron (N	L2c|LINE|	100383	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr18-361	7.957329	0.602018	0.830856	0.724576	0.468712	0.981636	chr18	36115938	36116710	+	0	NA	intron (N	L1MC4|LIN	13016	NM_012319	25800	Hs.79136	NM_012319	ENSG00000	SLC39A6	LIV-1|ZIP	solute ca	protein-coding
chr1-1481	10.67414	0.520972	0.719081	0.724497	0.468761	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	L1P2|LINE	22359	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr1-1514	10.67414	0.520972	0.719081	0.724497	0.468761	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	7434	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr1-1567	10.67414	0.520972	0.719081	0.724497	0.468761	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-21465	NM_001007	4914	Hs.406293	NM_002529	ENSG00000	NTRK1	MTC|TRK|T	neurotrop	protein-coding
chr1-2226	10.67414	0.520972	0.719081	0.724497	0.468761	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	8572	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 d	protein-coding
chr1-2578	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr1	25783379	25783902	+	0	NA	intron (N	intron (N	-16553	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr10-459	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr10	45975421	45978514	+	0	NA	intron (N	L1MB8|LIN	4478	NM_006327	1E+08	Hs.524308	NM_006327	ENSG00000	TIMM23	TIM23	transloca	protein-coding
chr10-127	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	69689	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr11-103	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	14685	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding
chr11-106	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-2620	NM_001330	143879	Hs.101949	NM_152433	ENSG00000	KBTBD3	BKLHD3	kelch rep	protein-coding
chr14-309	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr14	30904142	30906837	+	0	NA	exon (NM_	exon (NM_	-15681	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr15-226	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr15	22672168	22675652	+	0	NA	intron (N	MLT1A|LTR	9171	NR_003521	339005	Hs.212670	NR_003521		WHAMMP3	WHAMML1|W	WAS prote	pseudo
chr17-307	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr17	30759357	30762019	+	0	NA	intron (N	intron (N	51080	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr18-362	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr18	36227362	36228255	+	0	NA	intron (N	L1PA13|LI	40311	NM_017947	55034	Hs.405028	NM_017947	ENSG00000	MOCOS	HMCS|MCS|	molybdenu	protein-coding
chr19-343	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr19	34351867	34352091	+	0	NA	intron (N	AluJr4|SI	-12761	NM_001184	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr2-3858	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr2	38580166	38581643	+	0	NA	intron (N	intron (N	22024	NM_138394	92906	Hs.445497	NM_138394	ENSG00000	HNRNPLL	HNRPLL|SR	heteroger	protein-coding
chr3-9969	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr3	99691909	99692231	+	0	NA	intron (N	intron (N	53476	NM_020351	1295	Hs.654548	NM_001850	ENSG00000	COL8A1	C3orf7	collagen	protein-coding
chr3-1207	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA3|LIN	4992	NM_005513	2960	Hs.445272	NM_005513	ENSG00000	GTF2E1	FE|TF2E1|	general t	protein-coding
chr3-1237	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJo|SIN	40390	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1884	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	L1PA7|LIN	123587	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr5-3618	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr5	36182555	36185248	+	0	NA	exon (NM_	exon (NM_	31790	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr5-1135	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA11|LI	59827	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-1027	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA4|LIN	32279	NM_001145	222234	Hs.202543	NM_147194	ENSG00000	FAM185A	-	family wi	protein-coding
chr7-1212	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L2b|LINE|	-56615	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr9-6013	7.640899	-0.61198	0.844727	-0.72447	0.468774	0.981636	chr9	6013672	6014338	+	0	NA	exon (NM_	exon (NM_	1619	NM_001243	26953	Hs.167496	NM_012416	ENSG00000	RANBP6	-	RAN bindi	protein-coding
chr21-348	9.853447	-0.54154	0.747598	-0.72437	0.46884	0.981636	chr21	34848183	34848687	+	0	NA	intron (N	intron (N	40264	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr5-9552	9.853447	-0.54154	0.747598	-0.72437	0.46884	0.981636	chr5	95528149	95529686	+	0	NA	intron (N	intron (N	26088	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr8-1310	9.853447	-0.54154	0.747598	-0.72437	0.46884	0.981636	chr8	13105860	13108328	+	0	NA	intron (N	intron (N	9150	NM_001164	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|H	DLC1 Rho	protein-coding
chr1-1569	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr1	15695662	15696355	+	0	NA	intron (N	AluJb|SIN	11688	NM_015164	23207	Hs.646775	NM_015164	ENSG00000	PLEKHM2	SKIP	pleckstri	protein-coding
chr13-326	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr13	32653155	32655465	+	0	NA	intron (N	intron (N	67858	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr16-439	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr16	4396952	4397769	+	0	NA	intron (N	AluSz|SIN	18537	NM_001351	79585	Hs.437957	NM_024535	ENSG00000	CORO7	0610011B1	coronin 7	protein-coding
chr17-353	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr17	35354661	35355141	+	0	NA	intron (N	intron (N	18720	NM_001104	91607	Hs.745059	NM_152270	ENSG00000	SLFN11	SLFN8/9	schlafen	protein-coding
chr2-1777	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr2	17772967	17773956	+	0	NA	intron (N	intron (N	19323	NM_001130	348654	Hs.467793	NM_182625	ENSG00000	GEN1	Gen	GEN1 Holl	protein-coding
chr2-3055	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr2	30550844	30552750	+	0	NA	intron (N	MLT1D|LTR	104551	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr2-1281	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	73149	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr20-639	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr20	63950227	63950805	+	0	NA	intron (N	intron (N	671	NM_001193	54963	Hs.504998	NM_017859	ENSG00000	UCKL1	UCK1L|URK	uridine-c	protein-coding
chr4-8481	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr4	84816184	84817525	+	0	NA	intron (N	MIRb|SINE	-148762	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr6-1495	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-8246	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr6-1571	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	130987	NM_001363	57492	Hs.291587	NM_017519	ENSG00000	ARID1B	6A3-5|BAF	AT-rich i	protein-coding
chr8-3844	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr8	38449759	38450575	+	0	NA	intron (N	intron (N	17557	NM_001174	2260	Hs.264887	NM_015850	ENSG00000	FGFR1	BFGFR|CD3	fibroblas	protein-coding
chr8-1233	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJr4|SI	-26126	NR_037516	1.01E+08		NR_037516	ENSG00000	MIR548AA1	-	microRNA	ncRNA
chrX-1479	4.179855	-0.82183	1.134615	-0.72432	0.468868	0.981636	chrX	1.48E+08	1.48E+08	+	0	NA	intron (N	MamTip2|D	32095	NM_001185	2332	Hs.103183	NM_002024	ENSG00000	FMR1	FMRP|FRAX	fragile X	protein-coding
chr17-804	5.254385	0.746747	1.031022	0.724279	0.468895	0.981636	chr17	80419551	80420085	+	0	NA	TTS (NR_C	TTS (NR_C	400	NR_039883	1.01E+08		NR_039883	ENSG00000	MIR4730	-	microRNA	ncRNA
chr2-2082	5.254385	0.746747	1.031022	0.724279	0.468895	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MIRb|SINE	11920	NM_001282	3417	Hs.593422	NM_005896	ENSG00000	IDH1	HEL-216|H	isocitrat	protein-coding
chr19-579	7.171585	-0.64542	0.891607	-0.72389	0.469136	0.981636	chr19	57931652	57931851	+	0	NA	intron (N	AluJr|SIN	3651	NM_001317	147686	Hs.660728	NM_133460	ENSG00000	ZNF418	-	zinc fing	protein-coding
chr4-1900	7.171585	-0.64542	0.891607	-0.72389	0.469136	0.981636	chr4	1900670	1901411	+	0	NA	exon (NM_	exon (NM_	414	NM_133334	7468	Hs.113876	NM_007331	ENSG00000	NSD2	KMT3F|KMT	nuclear r	protein-coding
chr4-1095	7.171585	-0.64542	0.891607	-0.72389	0.469136	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz|SIN	34651	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr9-3507	7.171585	-0.64542	0.891607	-0.72389	0.469136	0.981636	chr9	35074421	35074738	+	0	NA	intron (N	MIR3|SINE	-1911	NM_001354	7415	Hs.529782	NM_007126	ENSG00000	VCP	CDC48|TER	valosin c	protein-coding
chr13-110	5.395069	-0.7496	1.035532	-0.72388	0.469138	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA5|LIN	33204	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr9-1090	7.411743	0.635278	0.87771	0.72379	0.469195	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	31056	NM_032012	23731	Hs.308074	NM_032012	ENSG00000	TMEM245	C9orf5|CG	transmemb	protein-coding
chr1-3500	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr1	35004304	35007173	+	0	NA	intron (N	intron (N	-20391	NM_001195	1.01E+08	Hs.533986	NM_001195	ENSG00000	TMEM35B	ZMYM6NB	transmemb	protein-coding
chr10-725	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr10	72549059	72551196	+	0	NA	intron (N	Tigger3c|	-26141	NM_001195	10367	Hs.524367	NM_006077	ENSG00000	MICU1	CALC|CBAR	mitochond	protein-coding
chr17-107	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr17	10705167	10707940	+	0	NA	exon (NM_	exon (NM_	8959	NM_020233	56985	Hs.47668	NM_020233	ENSG00000	ADPRM	C17orf48|	ADP-ribos	protein-coding
chr17-202	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr17	20233761	20235039	+	0	NA	intron (N	intron (N	78328	NM_001033	92521	Hs.431045	NM_152904	ENSG00000	SPECC1	CYTSB|HCM	sperm ant	protein-coding
chr19-440	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr19	44080914	44083983	+	0	NA	intron (N	L2a|LINE|	10289	NM_001037	342909	Hs.445395	NM_001037	ENSG00000	ZNF284	ZNF284L	zinc fing	protein-coding
chr7-5220	7.973044	0.597932	0.826283	0.72364	0.469287	0.981636	chr7	5220258	5225095	+	0	NA	intron (N	intron (N	8407	NM_001033	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr1-2254	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	6423	NM_002296	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr13-253	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr13	25317905	25318856	+	0	NA	intron (N	AluJb|SIN	16755	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUP	nucleopor	protein-coding
chr13-786	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr13	78634343	78635080	+	0	NA	intron (N	MIR|SINE|	24444	NM_024546	79596	Hs.567576	NM_024546	ENSG00000	OBI1	C13orf7|R	ORC ubiqu	protein-coding
chr14-306	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr14	30648670	30649394	+	0	NA	intron (N	intron (N	26713	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr18-633	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr18	63389248	63390179	+	0	NA	3’ UTR (N	3’ UTR (N	-22507	NM_002035	2531	Hs.74050	NM_002035	ENSG00000	KDSR	DHSR|EKVP	3-ketodih	protein-coding
chr19-914	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr19	9144021	9145162	+	0	NA	intron (N	L1MEd|LIN	4194	NR_102435	57693	Hs.465829	NM_020933	ENSG00000	ZNF317	-	zinc fing	protein-coding
chr2-7550	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr2	75508825	75509133	+	0	NA	intron (N	intron (N	-15089	NR_110281	1.02E+08	Hs.671110	NR_110281	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1827	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	44185	NR_073367	54431	Hs.516632	NM_018981	ENSG00000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr4-1458	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	128764	NM_178835	152485	Hs.133916	NM_178835	ENSG00000	ZNF827	-	zinc fing	protein-coding
chr6-7609	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr6	7609865	7611029	+	0	NA	3’ UTR (N	3’ UTR (N	20249	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr9-3251	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chr9	32514530	32515682	+	0	NA	intron (N	intron (N	11090	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bo	protein-coding
chrX-1537	5.872242	-0.69863	0.965459	-0.72362	0.469297	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	6700	NM_001139	10134	Hs.522817	NM_005745	ENSG00000	BCAP31	6C6-AG|BA	B cell re	protein-coding
chr16-310	7.607617	-0.61711	0.853025	-0.72343	0.469414	0.981636	chr16	31077380	31077719	+	0	NA	exon (NM_	exon (NM_	3127	NM_014699	9726	Hs.119273	NM_014699	ENSG00000	ZNF646	-	zinc fing	protein-coding
chr2-3933	7.607617	-0.61711	0.853025	-0.72343	0.469414	0.981636	chr2	39330507	39331250	+	0	NA	intron (N	intron (N	-86895	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr3-1111	7.607617	-0.61711	0.853025	-0.72343	0.469414	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	107376	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-1195	7.607617	-0.61711	0.853025	-0.72343	0.469414	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	L2|LINE|L	55846	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr4-7786	11.65539	-0.50522	0.698365	-0.72343	0.469417	0.981636	chr4	778668	779957	+	0	NA	TTS (NR_C	TTS (NR_C	2536	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr13-952	7.394177	0.62759	0.867528	0.723423	0.46942	0.981636	chr13	95299200	95300188	+	0	NA	intron (N	intron (N	1752	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MO	ATP bindi	protein-coding
chr3-1291	3.470197	0.894056	1.235969	0.723364	0.469456	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSc8|SI	11560	NM_020701	57461	Hs.512661	NM_020701	ENSG00000	ISY1	FSAP33	ISY1 spli	protein-coding
chr1-2351	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	9068	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr12-113	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	5’ UTR (N	5’ UTR (N	10987	NM_001143	53373	Hs.524763	NM_017901	ENSG00000	TPCN1	TPC1	two pore	protein-coding
chr12-131	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	-13882	NM_001002	80324	Hs.592004	NM_025215	ENSG00000	PUS1	MLASA1	pseudouri	protein-coding
chr14-729	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr14	72969380	72973476	+	0	NA	intron (N	AluSz|SIN	15528	NM_178441	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr2-2240	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	30092	NR_073116	5270	Hs.38449	NM_006216	ENSG00000	SERPINE2	GDN|GDNPF	serpin fa	protein-coding
chr22-222	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr22	22282015	22282686	+	0	NA	Intergeni	L1PA3|LIN	-15748	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr4-1352	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr4	1352553	1353928	+	0	NA	exon (NM_	exon (NM_	5684	NM_001317	57654	Hs.380475	NM_020894	ENSG00000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr6-4430	7.451033	0.624164	0.86345	0.722873	0.469758	0.981636	chr6	44302760	44304320	+	0	NA	intron (N	L2a|LINE|	-5842	NM_182539	202500	Hs.189183	NM_182539	ENSG00000	TCTE1	D6S46|DRC	t-complex	protein-coding
chr1-7531	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr1	753157	753571	+	0	NA	Intergeni	AluSq2|SI	-23013	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr1-1930	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	AluSq2|SI	-12179	NM_001350	51377	Hs.145469	NM_015984	ENSG00000	UCHL5	CGI-70|IN	ubiquitin	protein-coding
chr1-2006	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	8673	NM_001320	83479	Hs.497332	NM_031306	ENSG00000	DDX59	OFD5|ZNHI	DEAD-box	protein-coding
chr10-118	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	3’ UTR (N	3’ UTR (N	69361	NM_153810	143384	Hs.420024	NM_153810	ENSG00000	CACUL1	C10orf46|	CDK2 assc	protein-coding
chr11-916	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr11	9169115	9169383	+	0	NA	intron (N	AluSq2|SI	74886	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr12-144	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr12	14488342	14489140	+	0	NA	intron (N	HERVL-int	-78991	NR_120465	1.02E+08	Hs.131933	NR_120465	ENSG00000	PLBD1-AS1	-	PLBD1 ant	ncRNA
chr14-244	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr14	24434312	24434671	+	0	NA	intron (N	AluSc|SIN	4537	NM_015299	23351	Hs.713590	NM_015299	ENSG00000	KHNYN	KIAA0323	KH and NY	protein-coding
chr14-309	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr14	30965928	30966836	+	0	NA	intron (N	LTR10F|LT	48360	NR_030354	693209		NR_030354	ENSG00000	MIR624	MIRN624|h	microRNA	ncRNA
chr14-553	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr14	55351698	55352934	+	0	NA	exon (NM_	exon (NM_	59542	NM_014924	22863	Hs.414809	NM_014924	ENSG00000	ATG14	ATG14L|BA	autophagy	protein-coding
chr19-203	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr19	2038438	2042291	+	0	NA	intron (N	intron (N	10880	NM_199054	2872	Hs.515032	NM_017572	ENSG00000	MKNK2	GPRK7|MNK	MAPK inte	protein-coding
chr2-2524	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr2	25243818	25247299	+	0	NA	intron (N	intron (N	6573	NM_001320	1788	Hs.515840	NM_022552	ENSG00000	DNMT3A	DNMT3A2|M	DNA methy	protein-coding
chr2-2186	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	23254	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr22-318	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr22	31822590	31823568	+	0	NA	intron (N	intron (N	69056	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-1386	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	44356	NM_001256	5291	Hs.239818	NM_006219	ENSG00000	PIK3CB	P110BETA|	phosphati	protein-coding
chr3-1865	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	11654	NM_016306	51726	Hs.317192	NM_016306	ENSG00000	DNAJB11	ABBP-2|AB	DnaJ heat	protein-coding
chr7-1511	7.417751	0.621052	0.859475	0.722595	0.469929	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	14470	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr2-9421	6.475422	0.70957	0.982446	0.722249	0.470141	0.981636	chr2	94214373	94214654	+	0	NA	Intergeni	(TGGCCC)r	-6094	NR_146106	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr7-1783	9.409557	-0.55773	0.772333	-0.72214	0.470207	0.981636	chr7	17839375	17839694	+	0	NA	intron (N	L1M4|LINE	100960	NM_001350	23161	Hs.487648	NM_015132	ENSG00000	SNX13	RGS-PX1	sorting n	protein-coding
chr3-1080	9.84559	-0.54025	0.748455	-0.72182	0.470403	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MC|LINE	33009	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr4-3911	9.84559	-0.54025	0.748455	-0.72182	0.470403	0.981636	chr4	39113086	39114463	+	0	NA	intron (N	intron (N	51542	NM_199039	51088	Hs.272251	NM_015990	ENSG00000	KLHL5	-	kelch lik	protein-coding
chr2-1784	10.18541	0.538418	0.746578	0.721182	0.470798	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	7279	NM_001139	8575	Hs.570274	NM_003690	ENSG00000	PRKRA	DYT16|HSD	protein a	protein-coding
chr16-717	7.55677	-0.63129	0.8755	-0.72107	0.470869	0.981636	chr16	71713873	71714265	+	0	NA	intron (N	AluSz6|SI	1771	NM_001289	23035	Hs.709458	NM_015020	ENSG00000	PHLPP2	PHLPPL|PP	PH domain	protein-coding
chr1-2307	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr1	23074655	23075315	+	0	NA	intron (N	L1ME1|LIN	30680	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr10-681	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr10	68122181	68122717	+	0	NA	intron (N	intron (N	12961	NR_045663	84665	Hs.55205	NM_032578	ENSG00000	MYPN	CMD1DD|CM	myopallad	protein-coding
chr10-124	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	Intergeni	AluSx1|SI	-9794	NM_017580	54764	Hs.595158	NM_017580	ENSG00000	ZRANB1	TRABID	zinc fing	protein-coding
chr12-782	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr12	78209948	78211269	+	0	NA	3’ UTR (N	3’ UTR (N	149138	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-122	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	FAM|SINE|	-18525	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr12-122	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	25935	NM_014708	9735	Hs.300559	NM_014708	ENSG00000	KNTC1	ROD	kinetocho	protein-coding
chr13-102	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	44005	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr13-113	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	40718	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr14-885	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr14	88528782	88529919	+	0	NA	intron (N	L1PB1|LIN	25657	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr15-655	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr15	65585561	65587014	+	0	NA	intron (N	MIR|SINE|	24844	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr15-707	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr15	70707831	70708303	+	0	NA	intron (N	L1MB2|LIN	-5785	NM_001008	55075	Hs.108049	NM_018003	ENSG00000	UACA	NUCLING	uveal aut	protein-coding
chr15-712	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr15	71265331	71267645	+	0	NA	intron (N	L1P3|LINE	-77429	NR_120349	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr17-302	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr17	30251027	30251513	+	0	NA	intron (N	intron (N	-15573	NM_001045	6532	Hs.29792	NM_001045	ENSG00000	SLC6A4	5-HTT|5-H	solute ca	protein-coding
chr18-668	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr18	668871	671303	+	0	NA	TTS (NR_1	TTS (NR_1	-11796	NM_001012	494514	Hs.274959	NM_001012716		TYMSOS	C18orf56	TYMS oppo	protein-coding
chr18-459	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr18	45955048	45956230	+	0	NA	intron (N	intron (N	11690	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding

chr2-3333	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr2	33335366	33336173	+	0	NA	intron (N	intron (N	-82747	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1444	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	MIR|SINE|	-86050	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr2-1710	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-12020	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-1829	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	49063	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr21-290	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr21	29037248	29040933	+	0	NA	exon (NM_	exon (NM_	14422	NM_006447	10600	Hs.99819	NM_006447	ENSG00000	USP16	UBP-M|UBF	ubiquitir	protein-coding
chr3-2395	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr3	23954880	23956083	+	0	NA	intron (N	intron (N	9360	NM_001145	9975	Hs.37288	NM_005126	ENSG00000	NR1D2	BD73|EAR-	nuclear r	protein-coding
chr4-5645	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr4	56450897	56454541	+	0	NA	intron (N	intron (N	-14898	NM_001267	6731	Hs.237825	NM_006947	ENSG00000	SRP72	BMFF|BMFS	signal re	protein-coding
chr4-9428	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr4	94285059	94286376	+	0	NA	intron (N	intron (N	32408	NM_001254	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr4-1056	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSz|SIN	16246	NM_020395	57117	Hs.480454	NM_020395	ENSG00000	INTS12	INT12|PHF	integrato	protein-coding
chr5-6917	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr5	69172135	69178131	+	0	NA	intron (N	intron (N	7983	NM_031966	891	Hs.23960	NM_031966	ENSG00000	CCNB1	CCNB	cyclin B1	protein-coding
chr5-8740	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr5	87402317	87403741	+	0	NA	intron (N	intron (N	9875	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr5-1772	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6626	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr6-3330	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr6	33300475	33301571	+	0	NA	3’ UTR (N	3’ UTR (N	-1635	NM_001243	5863	Hs.509622	NM_004761	ENSG00000	RGL2	HKE1.5|KE	ral guani	protein-coding
chr8-2354	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr8	23544098	23544957	+	0	NA	intron (N	intron (N	15571	NM_001317	51312	Hs.596025	NM_016612	ENSG00000	SLC25A37	HT015|MFF	solute ca	protein-coding
chr9-6487	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chr9	6487996	6488507	+	0	NA	intron (N	AluJb|SIN	75052	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitir	protein-coding
chrX-1238	5.897665	-0.68976	0.956857	-0.72086	0.470996	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSq|SIN	32227	NM_001167	331	Hs.356076	NM_001167	ENSG00000	XIAP	API3|BIRC	X-linked	protein-coding
chr11-680	9.309712	-0.57032	0.791247	-0.72079	0.471041	0.981636	chr11	68034257	68034599	+	0	NA	TTS (NR_0	TTS (NR_0	531	NR_039840	1.01E+08		NR_039840	ENSG00000	MIR4691	mir-4691	microRNA	ncRNA
chr1-1556	10.682	0.51947	0.720781	0.720704	0.471092	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	3071	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-1556	10.682	0.51947	0.720781	0.720704	0.471092	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	9510	NR_132762	1.07E+08		NR_132762		SCARNA26A	-	small Ca	ncRNA
chr1-2051	10.682	0.51947	0.720781	0.720704	0.471092	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	-36113	NM_001193	5929	Hs.519230	NM_005057	ENSG00000	RBBP5	RBQ3|SWD1	RB bindir	protein-coding
chr12-132	10.682	0.51947	0.720781	0.720704	0.471092	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L4_A_Mam|	11449	NM_183238	1E+08	Hs.29698	NM_183238	ENSG00000	ZNF605	-	zinc fing	protein-coding
chr19-440	10.682	0.51947	0.720781	0.720704	0.471092	0.981636	chr19	44061063	44067853	+	0	NA	intron (N	intron (N	-7701	NM_001037	342909	Hs.445395	NM_001037	ENSG00000	ZNF284	ZNF284L	zinc fing	protein-coding
chr14-103	6.921163	0.656394	0.910775	0.720698	0.471095	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	53701	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bir	protein-coding
chr1-1698	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	24636	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr11-104	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr11	10462144	10465204	+	0	NA	intron (N	intron (N	2543	NM_001172	272	Hs.501890	NM_000480	ENSG00000	AMPD3	-	adenosine	protein-coding
chr11-458	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr11	45880622	45880991	+	0	NA	intron (N	intron (N	-4845	NM_005456	9479	Hs.234249	NM_005456	ENSG00000	MAPK8IP1	IB1|JIP-1	mitogen-a	protein-coding
chr11-129	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	L4_A_Mam|	17771	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr17-296	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr17	29655288	29656108	+	0	NA	intron (N	intron (N	-34275	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr18-701	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr18	70102876	70103177	+	0	NA	intron (N	SVA_A|Ret	102661	NM_001318	25914	Hs.654809	NM_173630	ENSG00000	RTTN	MSSP	rotatin	protein-coding
chr19-393	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr19	39369486	39370741	+	0	NA	exon (NM_	exon (NM_	20993	NM_001256	54623	Hs.466714	NM_019088	ENSG00000	PAF1	F23149_1|	PAF1 homo	protein-coding
chr6-3032	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr6	30329884	30331591	+	0	NA	intron (N	intron (N	1426	NM_001199	202658	Hs.413493	NM_001199	ENSG00000	TRIM39-RF	TRIM39R	TRIM39-RF	protein-coding
chr6-3747	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr6	37473878	37475767	+	0	NA	intron (N	intron (N	25071	NM_138493	154467	Hs.284207	NM_138493	ENSG00000	CCDC167	C6orf129|	coiled-cc	protein-coding
chr7-1286	7.939763	0.594938	0.825666	0.720555	0.471183	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluSz|SIN	-30964	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr1-1639	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr1	16393741	16394625	+	0	NA	intron (N	CR1_Mam|L	26941	NR_073501	26099	Hs.252967	NM_001114	ENSG00000	SZRD1	C1orf144	SUZ RNA b	protein-coding
chr1-1932	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr1	19324003	19324959	+	0	NA	intron (N	intron (N	12155	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-2242	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSg|SIN	17096	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr11-878	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr11	8784601	8784800	+	0	NA	intron (N	AluSx|SIN	15922	NR_120590	1.03E+08	Hs.613276	NR_120590		LOC102724	-	uncharact	ncRNA
chr11-647	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr11	64789456	64789995	+	0	NA	intron (N	intron (N	-10881	NM_201995	7536	Hs.502829	NM_004630	ENSG00000	SF1	BBP|D11S6	splicing	protein-coding
chr11-782	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr11	78218632	78219251	+	0	NA	3’ UTR (N	3’ UTR (N	30022	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitir	protein-coding
chr12-113	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	16552	NM_006843	10993	Hs.439023	NM_006843	ENSG00000	SDS	SDH	serine de	protein-coding
chr13-113	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	21836	NM_005561	3916	Hs.494419	NM_005561	ENSG00000	LAMP1	CD107a|LA	lysosomal	protein-coding
chr16-344	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr16	3448033	3449144	+	0	NA	intron (N	intron (N	4908	NM_001083	79903	Hs.513296	NM_024845	ENSG00000	NAA60	HAT4|NAT1	N(alpha)-	protein-coding
chr19-566	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr19	56605727	56606117	+	0	NA	intron (N	intron (N	10620	NM_001370	58491	Hs.301431	NM_021216	ENSG00000	ZNF71	EZFIT	zinc fing	protein-coding
chr2-1315	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-8186	NM_001258	90557	Hs.351461	NM_138770	ENSG00000	CCDC74A	-	coiled-cc	protein-coding
chr9-1048	5.19568	0.735154	1.020517	0.720374	0.471295	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	59697	NM_005502	19	Hs.659274	NM_005502	ENSG00000	ABCA1	ABC-1|ABC	ATP bindi	protein-coding
chr2-4231	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr2	42316247	42319282	+	0	NA	intron (N	intron (N	42274	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CC	cytochrom	protein-coding
chr2-6128	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr2	61280687	61282242	+	0	NA	intron (N	AluSz6|SI	104046	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr22-425	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr22	42578232	42580288	+	0	NA	intron (N	intron (N	2751	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr3-5145	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr3	51456145	51456722	+	0	NA	intron (N	L1PA4|LIN	43569	NM_001171	9730	Hs.716623	NM_014703	ENSG00000	DCAF1	RIP|VPRBF	DDB1 and	protein-coding
chr3-1232	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MA3|LIN	23841	NM_012430	26984	Hs.477361	NM_012430	ENSG00000	SEC22A	SEC22L2	SEC22 hom	protein-coding
chr5-6559	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr5	65595140	65595611	+	0	NA	intron (N	AluY|SINE	28958	NM_001656	373	Hs.792	NM_001656	ENSG00000	TRIM23	ARD1|ARFD	tripartit	protein-coding
chr5-1297	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSp|SIN	-41585	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr6-7395	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr6	7395394	7396037	+	0	NA	intron (N	AluJb|SIN	5886	NM_001348	83732	Hs.437474	NM_031480	ENSG00000	RIOK1	AD034|RIO	RIO kinas	protein-coding
chr6-3427	7.682039	-0.6085	0.845067	-0.72006	0.471488	0.981636	chr6	34279708	34279907	+	0	NA	3’ UTR (N	3’ UTR (N	-30699	NM_001287	221491	Hs.381300	NM_178508	ENSG00000	SMIM29	C6orf1|LE	small int	protein-coding
chr19-258	17.61324	0.413823	0.57493	0.71978	0.471661	0.981636	chr19	25828440	25829163	+	0	NA	Intergeni	ALR/Alpha	-1665354	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-9548	9.812308	-0.54423	0.75625	-0.71965	0.471742	0.981636	chr5	9548341	9552466	+	0	NA	TTS (NR_0	TTS (NR_0	1576	NR_003689	1E+08		NR_003689		SNORD123	-	small nuc	snoRNA
chr15-885	7.509738	0.632682	0.87925	0.71957	0.47179	0.981636	chr15	88531112	88531534	+	0	NA	non-codin	non-codin	15052	NM_001321	55070	Hs.655064	NM_017996	ENSG00000	DET1	-	DET1 part	protein-coding
chr3-1125	7.212724	-0.64144	0.891728	-0.71933	0.471939	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	-27022	NM_001348	55032	Hs.237480	NM_017945	ENSG00000	SLC35A5	-	solute ca	protein-coding
chr7-1212	7.212724	-0.64144	0.891728	-0.71933	0.471939	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	THE1C|LTR	-39062	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr11-349	7.689897	-0.61009	0.848222	-0.71925	0.471985	0.981636	chr11	34957572	34958472	+	0	NA	intron (N	intron (N	16185	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr1-3589	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr1	35897575	35898675	+	0	NA	intron (N	L1MB7|LIN	14916	NM_012199	26523	Hs.22867	NM_012199	ENSG00000	AGO1	EIF2C|EIF	argonaute	protein-coding
chr11-118	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr11	11891696	11892576	+	0	NA	intron (N	MIR3|SINE	50713	NM_001330	55031	Hs.577256	NM_017944	ENSG00000	USP47	TRFP	ubiquitir	protein-coding
chr19-211	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr19	21173544	21174306	+	0	NA	intron (N	intron (N	31885	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr3-4123	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr3	41230419	41232460	+	0	NA	intron (N	intron (N	31934	NM_001098	1499	Hs.476018	NM_001904	ENSG00000	CTNNB1	CTNNB|EVR	catenin b	protein-coding
chr3-1217	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA7|LIN	-25602	NM_001256	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr3-1254	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSp|SIN	62451	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting n	protein-coding
chr5-6557	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr5	65579590	65581133	+	0	NA	intron (N	L2c|LINE|	17065	NM_015342	23398	Hs.121432	NM_015342	ENSG00000	PPWD1	-	peptidylp	protein-coding
chr8-1304	5.938805	-0.68515	0.95266	-0.7192	0.472021	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	13959	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr1-2014	9.886729	-0.53765	0.747659	-0.71911	0.472071	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11950	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr14-390	9.886729	-0.53765	0.747659	-0.71911	0.472071	0.981636	chr14	39094999	39096458	+	0	NA	intron (N	intron (N	-7412	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A ar	ncRNA
chr16-256	9.886729	-0.53765	0.747659	-0.71911	0.472071	0.981636	chr16	2562038	2562433	+	0	NA	intron (N	intron (N	24214	NM_001261	5170	Hs.459691	NM_002613	ENSG00000	PDPK1	PDK1|PDPK	3-phospho	protein-coding
chr2-1279	7.931905	0.596975	0.83038	0.718918	0.472191	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	FAM|SINE|	49484	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr5-1394	7.931905	0.596975	0.83038	0.718918	0.472191	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-15553	NM_194296	202051	Hs.373612	NM_194296	ENSG00000	SPATA24	CCDC161|T	spermatog	protein-coding
chr15-400	6.887881	0.65307	0.908466	0.718872	0.47222	0.981636	chr15	40010139	40010358	+	0	NA	intron (N	intron (N	28933	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr2-1526	7.105021	-0.6567	0.913772	-0.71867	0.472342	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	3’ UTR (N	3’ UTR (N	62357	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr1-2402	9.878871	-0.53637	0.746416	-0.71859	0.472391	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1MA7|LIN	178016	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr18-585	9.878871	-0.53637	0.746416	-0.71859	0.472391	0.981636	chr18	58536901	58538044	+	0	NA	exon (NM_	exon (NM_	-63148	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr19-152	9.878871	-0.53637	0.746416	-0.71859	0.472391	0.981636	chr19	15260651	15261040	+	0	NA	intron (N	intron (N	19606	NM_058243	23476	Hs.187763	NM_014299	ENSG00000	BRD4	CAP|HUNK1	bromodoma	protein-coding
chr22-455	9.878871	-0.53637	0.746416	-0.71859	0.472391	0.981636	chr22	45549958	45551095	+	0	NA	exon (NM_	exon (NM_	47643	NM_001996	2192	Hs.24601	NM_001996	ENSG00000	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr14-739	7.949471	0.604197	0.840819	0.718582	0.472399	0.981636	chr14	73953891	73954353	+	0	NA	intron (N	L2a|LINE|	3820	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr2-1310	4.220995	-0.81482	1.133979	-0.71855	0.472418	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	20274	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr10-156	7.674181	-0.60688	0.844917	-0.71827	0.472592	0.981636	chr10	15672443	15673224	+	0	NA	intron (N	intron (N	47089	NM_003638	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr3-1016	7.674181	-0.60688	0.844917	-0.71827	0.472592	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-21178	NR_024407	1E+08	Hs.743292	NR_024407	ENSG00000	ZBTB11-AS	-	ZBTB11 ar	ncRNA
chr4-1382	7.674181	-0.60688	0.844917	-0.71827	0.472592	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	37984	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr8-8977	7.674181	-0.60688	0.844917	-0.71827	0.472592	0.981636	chr8	89772698	89773701	+	0	NA	intron (N	L2a|LINE|	15383	NM_003821	8767	Hs.103755	NM_003821	ENSG00000	RIPK2	CARD3|CAR	receptor	protein-coding
chr1-4076	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	40766534	40768726	+	0	NA	intron (N	intron (N	10346	NR_029833	407031		NR_029833	ENSG00000	MIR30C1	MIRN30C1|	microRNA	ncRNA
chr1-5421	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	54214558	54218262	+	0	NA	intron (N	intron (N	16243	NM_016491	51253	Hs.584908	NM_016491	ENSG00000	MRPL37	L2mt|L37m	mitochond	protein-coding
chr1-1499	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx1|SI	35924	NM_020205	56957	Hs.98322	NM_020205	ENSG00000	OTUD7B	CEZANNE|Z	OTU deubi	protein-coding
chr1-2243	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSz|SIN	13032	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr1-2276	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	49636	NR_036753	401983	Hs.681816	NR_036753		ZNF847P	gm127	zinc fing	pseudo
chr1-2354	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	TTS (NM_0	TTS (NM_0	51339	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr1-2432	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	AluSz6|SI	25975	NM_006642	10806	Hs.591530	NM_006642	ENSG00000	SDCCAG8	BBS16|CCC	serologic	protein-coding
chr10-918	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr10	91829646	91830250	+	0	NA	intron (N	intron (N	31522	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr12-269	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr12	26972787	26974295	+	0	NA	3’ UTR (N	3’ UTR (N	35071	NM_001171	26127	Hs.591162	NM_015633	ENSG00000	FGFR1OP2	HSPC123-1	FGFR1 onc	protein-coding
chr12-276	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr12	27675959	27677269	+	0	NA	intron (N	intron (N	-19833	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr12-490	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr12	49096422	49097912	+	0	NA	TTS (NM_0	TTS (NM_0	-2366	NM_021044	50846	Hs.524382	NM_021044	ENSG00000	DHH	GDXYM|HHG	desert he	protein-coding
chr12-109	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	MER58A|DN	33370	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitir	protein-coding
chr15-509	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr15	50930051	50932528	+	0	NA	intron (N	AluSg|SIN	-12840	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr15-756	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr15	75600046	75601089	+	0	NA	intron (N	AluSx1|SI	-21252	NM_002833	5780	Hs.445775	NM_002833	ENSG00000	PTPN9	MEG2|PTPM	protein t	protein-coding
chr16-166	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr16	1662503	1667010	+	0	NA	intron (N	AluSx1|SI	-13523	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr16-195	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr16	19506667	19509321	+	0	NA	intron (N	intron (N	14104	NR_136689	51573	Hs.512607	NM_016641	ENSG00000	GDE1	363E6.2|M	glyceroph	protein-coding
chr16-251	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr16	25168825	25170224	+	0	NA	intron (N	L1MC5a|LI	-20492	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr17-501	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr17	5016321	5018978	+	0	NA	intron (N	intron (N	2444	NR_120665	1.03E+08	Hs.666487	NR_120665	ENSG00000	LOC102724	-	uncharact	ncRNA
chr17-427	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr17	42702498	42711100	+	0	NA	intron (N	intron (N	1352	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr19-878	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr19	878758	879831	+	0	NA	intron (N	intron (N	13893	NM_005481	10025	Hs.365207	NM_005481	ENSG00000	MED16	DRIP92|TH	mediator	protein-coding
chr19-113	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr19	11333135	11337093	+	0	NA	intron (N	L1ME4b|LI	4543	NM_004283	9545	Hs.744916	NM_004283	ENSG00000	RAB3D	D2-2|GOV|	RAB3D, me	protein-coding
chr19-168	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr19	16862242	16872745	+	0	NA	intron (N	intron (N	4219	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 trar	protein-coding
chr19-367	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr19	36706115	36708536	+	0	NA	intron (N	MER58A|DN	3644	NM_001363	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing	protein-coding
chr19-497	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr19	49798939	49802434	+	0	NA	intron (N	AluSx|SIN	8820	NR_106857	1.02E+08		NR_106857	ENSG00000	MIR6799	hsa-mir-6	microRNA	ncRNA
chr20-554	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr20	5545815	5549983	+	0	NA	intron (N	intron (N	-37897	NR_109860	1.02E+08	Hs.516871	NR_109860	ENSG00000	LINC01729	-	long inte	ncRNA
chr20-348	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr20	34883113	34884954	+	0	NA	intron (N	AluJb|SIN	7421	NM_018677	55902	Hs.517034	NM_018677	ENSG00000	ACSS2	ACAS2|ACE	acyl-CoA	protein-coding
chr21-465	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr21	46563237	46568777	+	0	NA	intron (N	intron (N	39075	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr3-7577	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr3	75779623	75780938	+	0	NA	intron (N	intron (N	4722	NM_001324	1E+08	Hs.556877	NM_001128	ENSG00000	ZNF717	OB1|X17|Z	zinc fing	protein-coding
chr3-1415	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MDa|LIN	56409	NM_001303	5922	Hs.98445	NM_006506	ENSG00000	RASA2	GAP1M	RAS p21 p	protein-coding
chr5-1798	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L1ME3Cz|L	10382	NM_016175	51149	Hs.741169	NM_016175	ENSG00000	MRNIP	C5orf45	MRN compl	protein-coding
chr6-4352	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr6	43525784	43527508	+	0	NA	intron (N	intron (N	9557	NM_001363	9533	Hs.743509	NM_004875	ENSG00000	POLR1C	AC40|HLD1	RNA polym	protein-coding
chr6-1705	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	13418	NM_003194	6908	Hs.590872	NM_003194	ENSG00000	TBP	GTF2D|GTF	TATA-box	protein-coding
chr7-1011	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-126	NR_039797	1.01E+08		NR_039797	ENSG00000	MIR4653	-	microRNA	ncRNA
chr8-2199	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr8	21995856	21996279	+	0	NA	intron (N	AluYe5|SI	-28067	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr8-4231	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr8	42314282	42323984	+	0	NA	intron (N	intron (N	-19361	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr8-5268	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr8	52680962	52682394	+	0	NA	intron (N	AluJo|SIN	32757	NM_014781	9821	Hs.196102	NM_014781	ENSG00000	RB1CC1	ATG17|CC1	RB1 induc	protein-coding
chr8-1319	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	62333	NM_001323	23167	Hs.204564	NM_015137	ENSG00000	EFR3A	-	EFR3 homo	protein-coding
chr9-3580	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr9	35802011	35804391	+	0	NA	intron (N	AluYa5|SI	9061	NM_001366	26206	Hs.256747	NM_012436	ENSG00000	SPAG8	BS-84|CII	sperm ass	protein-coding

chr9-1217	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L1M5|LINE	24212	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chrX-3119	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chrX	311951	313009	+	0	NA	intron (N	intron (N	6339	NM_012227	8225	Hs.437145	NM_012227	ENSG00000	GTPBP6	PGPL	GTP bindi	protein-coding
chrX-4063	7.947621	0.592923	0.825806	0.717993	0.472761	0.981636	chrX	40634116	40639680	+	0	NA	intron (N	intron (N	10663	NM_144970	159013	Hs.495961	NM_144970	ENSG00000	CXorf38	-	chromosom	protein-coding
chr7-1248	4.146573	-0.83182	1.15874	-0.71787	0.47284	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-60582	NM_001024	154872	Hs.444163	NM_001024	ENSG00000	C7orf77	-	chromosom	protein-coding
chr2-9850	10.64871	0.517138	0.720427	0.717821	0.472868	0.981636	chr2	9850504	9851087	+	0	NA	intron (N	intron (N	7321	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr9-1228	10.64871	0.517138	0.720427	0.717821	0.472868	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	3' UTR (N	3' UTR (N	-18610	NM_005388	5082	Hs.271749	NM_005388	ENSG00000	PDCL	PhLP	phosducir	protein-coding
chr21-437	9.655538	0.556662	0.775498	0.717812	0.472873	0.981636	chr21	43724209	43724470	+	0	NA	intron (N	intron (N	5210	NM_003681	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr9-1283	9.655538	0.556662	0.775498	0.717812	0.472873	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	11104	NM_001329	26995	Hs.632685	NM_015679	ENSG00000	TRUB2	CLONE2492	TruB pseu	protein-coding
chr11-978	8.580083	0.603325	0.840513	0.717805	0.472878	0.981636	chr11	9787160	9787359	+	0	NA	intron (N	intron (N	-27726	NR_033972	440028	Hs.677541	NR_033972	ENSG00000	LINC02709	-	long inte	ncRNA
chr15-297	9.894587	-0.53894	0.751022	-0.71761	0.472999	0.981636	chr15	29769460	29770360	+	0	NA	intron (N	Tigger3b|	50764	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jur	protein-coding
chr4-1688	9.894587	-0.53894	0.751022	-0.71761	0.472999	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	23370	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|(	palladin,	protein-coding
chr13-454	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr13	45483294	45484887	+	0	NA	intron (N	intron (N	19151	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr14-920	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr14	92005118	92005614	+	0	NA	exon (NM_	exon (NM_	34693	NM_004239	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr15-671	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr15	67129020	67129924	+	0	NA	intron (N	MER44A|DN	3756	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-898	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr16	89895973	89896433	+	0	NA	intron (N	intron (N	-21676	NM_002386	4157	Hs.513829	NM_002386	ENSG00000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr3-1204	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	12894	NM_007085	11167	Hs.269512	NM_007085	ENSG00000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr9-9589	7.633041	-0.61031	0.850679	-0.71744	0.473105	0.981636	chr9	95892397	95892640	+	0	NA	intron (N	AluSz|SIN	16510	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9c	ERCC exci	protein-coding
chr3-1578	9.837732	-0.53897	0.751437	-0.71725	0.473218	0.981636	chr3	15789973	15793965	+	0	NA	intron (N	L1MA1|LIN	6010	NM_001349	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr1-1568	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	Intergeni	Intergeni	-13577	NM_001007	4914	Hs.406293	NM_002529	ENSG00000	NTRK1	MTC|TRK|T	neurotrop	protein-coding
chr1-2400	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	2524	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-689	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr10	68921413	68923725	+	0	NA	intron (N	AluJo|SIN	21254	NM_024045	79009	Hs.522984	NM_024045	ENSG00000	DDX50	GU2|GUB|F	DExD-box	protein-coding
chr11-125	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluJb|SIN	8020	NM_001274	1111	Hs.24529	NM_001274	ENSG00000	CHEK1	CHK1	checkpoir	protein-coding
chr12-128	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr12	12831137	12832901	+	0	NA	Intergeni	Intergeni	18673	NM_016355	51202	Hs.719938	NM_016355	ENSG00000	DDX47	E4-DBP|HC	DEAD-box	protein-coding
chr14-547	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr14	54791902	54792662	+	0	NA	3' UTR (N	3' UTR (N	37449	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr14-103	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	Intergeni	Intergeni	11371	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr16-236	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr16	23671294	23672709	+	0	NA	non-codir	non-codir	-6888	NM_005030	5347	Hs.592049	NM_005030	ENSG00000	PLK1	PLK|STPK1	polo like	protein-coding
chr17-374	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr17	37443405	37444775	+	0	NA	intron (N	AluJo|SIN	36865	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr17-471	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr17	47122702	47123554	+	0	NA	intron (N	intron (N	66167	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-603	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr17	60331544	60332008	+	0	NA	intron (N	AluJb|SIN	60357	NM_032582	84669	Hs.132868	NM_032582	ENSG00000	USP32	NY-REN-60	ubiquitir	protein-coding
chr18-587	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr18	58709713	58710744	+	0	NA	intron (N	intron (N	-38355	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr2-2784	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	278475	279618	+	0	NA	TTS (NR_C	TTS (NR_C	9045	NM_001002	285016	Hs.355207	NM_001002	ENSG00000	ALKAL2	AUGA|FAM1	ALK and L	protein-coding
chr2-6645	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	66454024	66455492	+	0	NA	intron (N	intron (N	-14428	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-1052	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz|SIN	39527	NR_137328	9392	Hs.446350	NM_004257	ENSG00000	TGFBRAP1	TRAP-1|TF	transform	protein-coding
chr2-1774	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	50103	NM_003659	8540	Hs.516543	NM_003659	ENSG00000	AGPS	ADAP-S|AI	alkylglyc	protein-coding
chr2-1814	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	1.81E+08	1.81E+08	+	0	NA	intron (N	L2a|LINE|	26744	NM_000885	3676	Hs.72981	NM_000885	ENSG00000	ITGA4	CD49D|IA4	integrin	protein-coding
chr2-2004	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	96446	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr20-137	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr20	13770292	13771779	+	0	NA	intron (N	intron (N	13851	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C2C	ESF1 nucl	protein-coding
chr21-360	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr21	36073569	36073987	+	0	NA	TTS (NM_C	TTS (NM_C	3754	NM_001757	873	Hs.88778	NM_001757	ENSG00000	CBR1	CBR|SDR21	carbonyl	protein-coding
chr22-318	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr22	31837444	31837805	+	0	NA	intron (N	AluJb|SIN	83601	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-1232	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	45731	NM_012430	26984	Hs.477361	NM_012430	ENSG00000	SEC22A	SEC22L2	SEC22 hom	protein-coding
chr4-7611	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr4	76119369	76119602	+	0	NA	intron (N	AluJb|SIN	28912	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-6149	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr5	61496439	61497096	+	0	NA	intron (N	intron (N	-140993	NR_161251	285668	Hs.683866	NR_126523	ENSG00000	C5orf64	-	chromosom	ncRNA
chr5-6601	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr5	66012942	66015472	+	0	NA	intron (N	intron (N	-68634	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homc	pseudo
chr5-7704	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr5	77040501	77041786	+	0	NA	intron (N	intron (N	10739	NM_018046	55109	Hs.634849	NM_018046	ENSG00000	AGGF1	GPATC7|GF	angiogeni	protein-coding
chr5-1348	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1M4|LINE	-22604	NM_152409	134553	Hs.708536	NM_152409	ENSG00000	C5orf24	-	chromosom	protein-coding
chr6-1514	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-20252	NM_020861	57621	Hs.520073	NM_020861	ENSG00000	ZBTB2	ZNF437	zinc fing	protein-coding
chr7-1053	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	3316	NM_182692	6733	Hs.285197	NM_182691	ENSG00000	SRPK2	SFRSK2	SRSF prot	protein-coding
chr7-1368	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr7	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSx|SIN	-8585	NR_030165	574443		NR_030165	ENSG00000	MIR490	MIRN490|h	microRNA	ncRNA
chr8-5859	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr8	58598899	58599466	+	0	NA	intron (N	intron (N	45921	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr8-1301	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-88148	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-2691	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr9	26913234	26913707	+	0	NA	intron (N	L4_A_Mam|	-20642	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr9-6925	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr9	69251722	69252920	+	0	NA	intron (N	L1MB3|LIN	47166	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jur	protein-coding
chr9-1069	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	116824	NR_126029	340512	Hs.432529	NR_126029	ENSG00000	LOC340512	-	uncharact	ncRNA
chr9-1323	5.930947	-0.6831	0.952591	-0.7171	0.473312	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	40945	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr12-112	5.743115	0.694582	0.968648	0.717063	0.473335	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-25859	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr15-330	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr15	33081675	33082004	+	0	NA	intron (N	intron (N	-13665	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr17-814	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr17	8141338	8142582	+	0	NA	intron (N	intron (N	3111	NR_106943	1.02E+08		NR_106943	ENSG00000	MIR6883	hsa-mir-6	microRNA	ncRNA
chr19-626	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr19	6260658	6261639	+	0	NA	intron (N	intron (N	18827	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr19-440	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr19	44058518	44059521	+	0	NA	intron (N	MER70-int	6983	NM_013361	7766	Hs.720813	NM_013361	ENSG00000	ZNF223	-	zinc fing	protein-coding
chr2-1593	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	L2|LINE|L	-45172	NM_001330	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr22-409	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr22	40932438	40933202	+	0	NA	TTS (NM_C	TTS (NM_C	-18558	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr6-4322	5.228962	0.739268	1.031038	0.717014	0.473366	0.981636	chr6	43222567	43223555	+	0	NA	intron (N	intron (N	6420	NM_199184	10591	Hs.109752	NM_006443	ENSG00000	DNPH1	C6orf108|	2'-deoxyr	protein-coding
chr17-646	13.85407	-0.4641	0.647347	-0.71693	0.473418	0.981636	chr17	64660472	64661546	+	0	NA	intron (N	intron (N	1298	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr1-2206	7.980902	0.59592	0.83128	0.71687	0.473454	0.981636	chr1	22063912	22064966	+	0	NA	intron (N	AluSx|SIN	11730	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|C	cell divi	protein-coding
chr1-2277	7.980902	0.59592	0.83128	0.71687	0.473454	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	L1MC5|LIN	32389	NM_001323	116841	Hs.325081	NM_053052	ENSG00000	SNAP47	C1orf142|	synaptosc	protein-coding
chr11-618	7.980902	0.59592	0.83128	0.71687	0.473454	0.981636	chr11	61811567	61812533	+	0	NA	intron (N	intron (N	3190	NR_031729	1E+08		NR_031729	ENSG00000	MIR1908	MIRN1908|	microRNA	ncRNA
chr19-422	7.980902	0.59592	0.83128	0.71687	0.473454	0.981636	chr19	42291965	42295249	+	0	NA	exon (NM_	exon (NM_	-8525	NM_199285	284338	Hs.585901	NM_199285	ENSG00000	PRR19	-	proline r	protein-coding
chr9-1323	4.900331	-0.82386	1.149359	-0.7168	0.473495	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	HAL1|LINE	31459	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr1-1931	11.20401	0.505876	0.70599	0.716549	0.473652	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	promoter-	promoter-	-352	NR_031691	1E+08		NR_031691	ENSG00000	MIR1278	MIRN1278|	microRNA	ncRNA
chr8-7870	4.228853	-0.81752	1.140957	-0.71652	0.473669	0.981636	chr8	78700018	78700884	+	0	NA	intron (N	L1PA13|LI	23923	NR_077236	1.01E+08	Hs.388511	NR_077236		LOC101241	-	chromosom	pseudo
chr16-222	4.699092	0.800456	1.117274	0.716437	0.473721	0.981636	chr16	22250238	22250863	+	0	NA	intron (N	intron (N	44272	NM_013302	29904	Hs.498892	NM_013302	ENSG00000	EEF2K	CaMKIII|F	eukaryoti	protein-coding
chr11-107	9.401699	-0.55628	0.776711	-0.7162	0.47387	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	-46942	NM_152434	143884	Hs.212140	NM_152434	ENSG00000	CWF19L2	-	CWF19 lik	protein-coding
chr11-586	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr11	58617363	58619169	+	0	NA	3' UTR (N	3' UTR (N	-4399	NM_000614	1270	Hs.524920	NM_000614	ENSG00000	CNTF	HCNTF	ciliary r	protein-coding
chr15-399	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr15	39940018	39948624	+	0	NA	intron (N	intron (N	10206	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr15-603	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr15	60382141	60386129	+	0	NA	intron (N	intron (N	13851	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr15-708	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr15	70850463	70852077	+	0	NA	TTS (NM_1	TTS (NM_1	-1969	NM_001284	54839	Hs.12692	NM_017691	ENSG00000	LRRC49	PGs4	leucine r	protein-coding
chr19-381	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr19	38108496	38108962	+	0	NA	intron (N	AluSp|SIN	-54367	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr3-1884	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	83478	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr3-1969	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-2067	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr8-1448	9.871013	-0.53508	0.747271	-0.71605	0.473963	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	3' UTR (N	3' UTR (N	2627	NM_001081	28991	Hs.493218	NM_014066	ENSG00000	COMMD5	HCARG|HTC	COMM doma	protein-coding
chr11-628	12.10113	-0.48688	0.680006	-0.716	0.473994	0.981636	chr11	62851684	62855233	+	0	NA	promoter-	promoter-	-65	NR_002560	9298		NR_002560		SNORD31	RNU31|SNC	small nuc	snoRNA
chr17-730	4.213137	-0.81201	1.134101	-0.71599	0.473997	0.981636	chr17	73080237	73081376	+	0	NA	intron (N	AluSx1|SI	11882	NM_001352	201266	Hs.221127	NM_139177	ENSG00000	SLC39A11	C17orf26|	solute ca	protein-coding
chr20-523	7.484314	0.627223	0.877207	0.715023	0.474595	0.981636	chr20	523553	523752	+	0	NA	intron (N	AluY|SINE	20138	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr11-130	5.864384	-0.69666	0.974379	-0.71498	0.474624	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	11801	NM_007037	11095	Hs.271605	NM_007037	ENSG00000	ADAMTS8	ADAM-TS8|	ADAM meta	protein-coding
chr14-526	5.864384	-0.69666	0.974379	-0.71498	0.474624	0.981636	chr14	52663398	52663678	+	0	NA	intron (N	AluY|SINE	32020	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|EF	endoplasm	protein-coding
chr16-696	5.864384	-0.69666	0.974379	-0.71498	0.474624	0.981636	chr16	69686812	69687481	+	0	NA	intron (N	intron (N	21529	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr13-520	7.376612	0.619969	0.867265	0.714856	0.474698	0.981636	chr13	52019371	52020573	+	0	NA	intron (N	intron (N	-4719	NM_021645	9724	Hs.512963	NM_021645	ENSG00000	UTP14C	2700066J2	UTP14C sm	protein-coding
chr5-1094	7.376612	0.619969	0.867265	0.714856	0.474698	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	MLT1A0|LT	5360	NM_014819	9867	Hs.483036	NM_014819	ENSG00000	PJA2	Neurodap1	praja rir	protein-coding
chr1-1625	7.384469	0.617798	0.864636	0.714518	0.474907	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	18339	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr6-4320	7.384469	0.617798	0.864636	0.714518	0.474907	0.981636	chr6	43204480	43204701	+	0	NA	intron (N	intron (N	22394	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr7-1557	7.384469	0.617798	0.864636	0.714518	0.474907	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	3' UTR (N	3' UTR (N	32425	NR_132318	6469	Hs.164537	NM_000193	ENSG00000	SHH	HHG1|HLP3	sonic hec	protein-coding
chr9-1222	7.384469	0.617798	0.864636	0.714518	0.474907	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L2c|LINE|	6806	NM_001346	92399	Hs.368011	NM_138777	ENSG00000	MRRF	MRFF|MTRF	mitochonc	protein-coding
chr10-245	6.32658	0.700569	0.980559	0.714459	0.474944	0.981636	chr10	24587616	24587927	+	0	NA	intron (N	MIR3|SINE	35072	NM_001367	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr1-1545	11.21187	0.504445	0.706201	0.714308	0.475037	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-1044	NR_046668	1.01E+08		NR_046668	ENSG00000	UBE2Q1-AS	-	UBE2Q1 ar	ncRNA
chr5-7159	5.750973	0.691753	0.968643	0.714147	0.475136	0.981636	chr5	71596836	71597448	+	0	NA	intron (N	L2a|LINE|	9802	NM_001363	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcrc	protein-coding
chr1-2029	10.65657	0.515622	0.722131	0.714029	0.475209	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	11271	NM_001303	59349	Hs.706793	NM_021633	ENSG00000	KLHL12	C3IP1|DKI	kelch lik	protein-coding
chr12-437	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr12	43797657	43798842	+	0	NA	intron (N	intron (N	8068	NM_001242	5756	Hs.189075	NM_002822	ENSG00000	TWF1	A6|PTK9	twinfilir	protein-coding
chr13-483	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr13	48352008	48352390	+	0	NA	intron (N	L1PA14|LI	48452	NM_000321	5925	Hs.408528	NM_000321	ENSG00000	RB1	OSRC|PPP1	RB transc	protein-coding
chr13-500	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr13	50012323	50012739	+	0	NA	exon (NM_	exon (NM_	-2913	NM_173605	283518	Hs.660161	NM_173605	ENSG00000	KCNRG	DLTET	potassium	protein-coding
chr16-881	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr16	88181609	88182423	+	0	NA	Intergeni	L1ME1|LIN	-12265	NR_110944	1.02E+08	Hs.634835	NR_110944	ENSG00000	LINC02182	LA16c-444	long inte	ncRNA
chr19-343	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr19	34333504	34334493	+	0	NA	intron (N	intron (N	-30742	NM_001184	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr2-1725	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	AluJb|SIN	3828	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr2-2083	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	exon (NM_	exon (NM_	-17048	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyrc	protein-coding
chr7-7436	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr7	74365110	74365309	+	0	NA	intron (N	intron (N	75734	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIF	CAP-Gly c	protein-coding
chr9-1110	7.666323	-0.6052	0.847775	-0.71387	0.475308	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	5' UTR (N	5' UTR (N	25177	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-352	13.90325	0.458653	0.642529	0.713825	0.475335	0.981636	chr12	35290497	35291367	+	0	NA	Intergeni	ALR/Alpha	1268436	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-502	5.735257	0.697557	0.97731	0.713752	0.475381	0.981636	chr17	50282693	50283180	+	0	NA	intron (N	intron (N	4919	NR_125805	1.04E+08	Hs.612913	NR_125805	ENSG00000	TMEM92-AS	TCONS_000	TMEM92 ar	ncRNA
chr15-416	7.59976	-0.61547	0.862336	-0.71373	0.475395	0.981636	chr15	41669026	41669599	+	0	NA	exon (NM_	exon (NM_	8900	NM_001080	23269	Hs.187569	NM_001080	ENSG00000	MGA	MAD5|MXD5	MAX dimer	protein-coding
chr4-2685	7.59976	-0.61547	0.862336	-0.71373	0.475395	0.981636	chr4	2685502	2685859	+	0	NA	intron (N	intron (N	60248	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr8-1406	7.59976	-0.61547	0.862336	-0.71373	0.475395	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	37103	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr9-3744	7.59976	-0.61547	0.862336	-0.71373	0.475395	0.981636	chr9	37440269	37440468	+	0	NA	3' UTR (N	3' UTR (N	17672	NM_012203	9380	Hs.155742	NM_012203	ENSG00000	GRHPR	GLXR|GLYD	glyoxylat	protein-coding
chr22-295	10.15998	0.534324	0.749167	0.713224	0.475707	0.981636	chr22	29568489	29569727	+	0	NA	intron (N	intron (N	11988	NM_001202	8508	Hs.173878	NM_003634	ENSG00000	NIPSNAP1	-	nipsnap h	protein-coding
chr5-1432	9.80445	-0.54298	0.761455	-0.71308	0.475794	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	AluSx|SIN	91726	NR_046816	1.01E+08	Hs.666717	NR_046816	ENSG00000	ARHGAP26-	-	ARHGAP26	ncRNA
chr4-7313	7.924047	0.599086	0.840346	0.712904	0.475905	0.981636	chr4	73135644	73135918	+	0	NA	intron (N	intron (N	-66022	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr16-302	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr16	3026280	3026766	+	0	NA	exon (NM_	exon (NM_	-2237	NM_001288	54985	Hs.423103	NM_017885	ENSG00000	HCFC1R1	HPIP	host cell	protein-coding
chr17-512	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr17	51284702	51284907	+	0	NA	intron (N	AluSq2|SI	24258	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WI	UTP18 sma	protein-coding
chr19-506	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr19	5063066	5064108	+	0	NA	intron (N	intron (N	94474	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TI	lysine de	protein-coding
chr3-9688	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr3	9688889	9690121	+	0	NA	intron (N	intron (N	-14328	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr6-1522	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSc8|SI	-70783	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr9-1271	7.425609	0.618706	0.868005	0.712791	0.475975	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	3532	NM_012098	23452	Hs.653262	NM_012098	ENSG00000	ANGPTL2	ARP2|HARF	angiopoie	protein-coding
chr1-6256	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr1	62567202	62567514	+	0	NA	intron (N	L1PA7|LIN	-30162	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr1-2123	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L1PA5|LIN	19703	NM_018252	55248	Hs.445386	NM_018252	ENSG00000	PACC1	C1orf75|F	proton ac	protein-coding
chr17-471	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr17	47165180	47165479	+	0	NA	intron (N	L1MD2|LIN	23966	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AF	cell divi	protein-coding

chr19-473	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr19	47380419	47380987	+	0	NA	intron (N	MLT1K|LTR	31388	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr21-332	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr21	33276354	33277365	+	0	NA	intron (N	intron (N	10492	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr22-497	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr22	49787128	49788082	+	0	NA	exon (NM_	exon (NM_	36726	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr5-1795	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSp|SIN	19187	NM_001040	80230	Hs.306769	NM_025158	ENSG00000	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr7-1407	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	Tigger4a|	-82458	NR_024454	1E+08	Hs.534141	NR_024454	ENSG00000	NDUFB2-AS	-	NDUFB2 an	ncRNA
chr9-1281	7.914339	0.589917	0.828181	0.712304	0.476277	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3652	NM_024112	79095	Hs.522412	NM_024112	ENSG00000	C9orf16	EST00098	chromosom	protein-coding
chr12-101	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	108959	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamin	protein-coding
chr18-215	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr18	21564245	21564935	+	0	NA	intron (N	AluY|SINE	36114	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr2-1781	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	7443	NM_152945	129831	Hs.377257	NM_152945	ENSG00000	RBM45	DRB1|RB-1	RNA bindi	protein-coding
chr21-464	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr21	46443858	46444344	+	0	NA	intron (N	intron (N	-14790	NM_206891	23181	Hs.189585	NM_015151	ENSG00000	DIP2A	C21orf106	disco int	protein-coding
chr5-5781	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr5	57819439	57820178	+	0	NA	Intergeni	L1MEc|LIN	79354	NR_109900	1.02E+08	Hs.639385	NR_109900	ENSG00000	LINC02225	-	long inte	ncRNA
chr6-1597	4.171997	-0.81887	1.149665	-0.71227	0.4763	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	3361	NM_001270	9589	Hs.446091	NM_004906	ENSG00000	WTAP	Mum2	WT1 assoc	protein-coding
chr1-2397	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr1	23976577	23977589	+	0	NA	intron (N	intron (N	3244	NM_001191	10772	Hs.3530	NM_006625	ENSG00000	SRSF10	FUSIP1|FU	serine ar	protein-coding
chr11-737	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr11	73720523	73721174	+	0	NA	exon (NM_	exon (NM_	39245	NM_001243	5870	Hs.503222	NM_002869	ENSG00000	RAB6A	RAB6	RAB6A, me	protein-coding
chr12-462	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr12	46241211	46242056	+	0	NA	intron (N	intron (N	24883	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr14-100	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-166	NR_003216	767603		NR_003216	ENSG00000	SNORD114-	14q(II-23	small nuc	snoRNA
chr17-493	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr17	4935958	4936308	+	0	NA	TTS (NM_0	TTS (NM_0	3856	NM_000173	2811	Hs.1472	NM_000173	ENSG00000	GP1BA	BDPLT1|BD	glycoprot	protein-coding
chr2-3313	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr2	33138400	33139328	+	0	NA	intron (N	AluY|SINE	4267	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr22-296	5.889807	-0.68768	0.965675	-0.71213	0.476385	0.981636	chr22	29688193	29688459	+	0	NA	intron (N	intron (N	-31677	NM_182527	164633	Hs.643608	NM_182527	ENSG00000	CABP7	CALN2	calcium b	protein-coding
chr14-998	5.829252	-0.72034	1.011542	-0.71213	0.476387	0.981636	chr14	99878733	99879067	+	0	NA	intron (N	intron (N	85487	NM_004434	2009	Hs.12451	NM_004434	ENSG00000	EML1	BH|ELP79|	EMAP like	protein-coding
chr1-1590	10.1267	0.531908	0.747015	0.712044	0.476438	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	27150	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|P	interfero	protein-coding
chr1-1738	10.1267	0.531908	0.747015	0.712044	0.476438	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	3' UTR (N	3' UTR (N	-7634	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr1-1703	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr1	17037793	17038536	+	0	NA	intron (N	AluJo|SIN	16006	NM_003000	6390	Hs.465924	NM_003000	ENSG00000	SDHB	CWS2|IP|P	succinate	protein-coding
chr10-112	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	15329	NM_020918	57678	Hs.42586	NM_020918	ENSG00000	GPAM	GPAT|GPAT	glycerol-	protein-coding
chr12-459	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr12	45944745	45945659	+	0	NA	intron (N	intron (N	45372	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr17-821	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr17	82183571	82184996	+	0	NA	intron (N	L2b|LINE|	28559	NM_001316	284001	Hs.631724	NM_152675	ENSG00000	CCDC57	-	coiled-co	protein-coding
chr19-556	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr19	55688528	55690191	+	0	NA	exon (NM_	exon (NM_	12734	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr3-4733	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr3	47333575	47334367	+	0	NA	intron (N	intron (N	-47050	NM_015466	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr5-1492	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-19467	NM_001323	134265	Hs.62930	NM_152406	ENSG00000	AFAP1L1	-	actin fil	protein-coding
chr7-1734	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr7	17342326	17343197	+	0	NA	intron (N	intron (N	-32156	NR_110015	1.03E+08	Hs.559488	NR_110014		KCCAT333	-	renal cle	ncRNA
chr7-2761	5.717692	0.687783	0.96614	0.711887	0.476535	0.981636	chr7	27619325	27620551	+	0	NA	intron (N	L1M2|LINE	3964	NR_122123	790953	Hs.571330	NR_122122		TSL	-	testis-ex	ncRNA
chr15-494	7.163727	-0.64332	0.903862	-0.71174	0.476625	0.981636	chr15	49463339	49463867	+	0	NA	intron (N	L2|LINE|L	40361	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr15-589	7.163727	-0.64332	0.903862	-0.71174	0.476625	0.981636	chr15	58991370	58991884	+	0	NA	intron (N	L2a|LINE|	3481	NM_001270	54778	Hs.404423	NM_017610	ENSG00000	RNF111	ARK|hRNF1	ring fing	protein-coding
chr2-5565	7.163727	-0.64332	0.903862	-0.71174	0.476625	0.981636	chr2	55655676	55655909	+	0	NA	intron (N	intron (N	38052	NM_033109	87178	Hs.388733	NM_033109	ENSG00000	PNPT1	COXPD13|D	polyribon	protein-coding
chr3-1441	7.163727	-0.64332	0.903862	-0.71174	0.476625	0.981636	chr3	14418659	14418959	+	0	NA	intron (N	MIR|SINE|	16203	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr1-8466	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr1	84664999	84666099	+	0	NA	intron (N	intron (N	24912	NM_001166	117178	Hs.22587	NM_014021	ENSG00000	SSX2IP	ADIP|hMsd	SSX famil	protein-coding
chr10-943	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr10	94343296	94346671	+	0	NA	intron (N	L1ME3Cz|L	17956	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr10-994	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr10	99419397	99419815	+	0	NA	intron (N	MER5B|DNA	11018	NM_002079	2805	Hs.500756	NM_002079	ENSG00000	GOT1	AST1|ASTQ	glutamic-	protein-coding
chr11-200	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr11	20090814	20093328	+	0	NA	intron (N	intron (N	-42768	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr12-106	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr12	10606055	10607979	+	0	NA	intron (N	L1ME4c|LI	5961	NM_001300	55110	Hs.104650	NM_018048	ENSG00000	MAGOHB	MGN2|mago	mago homo	protein-coding
chr12-248	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr12	24825446	24826947	+	0	NA	intron (N	AluJb|SIN	76026	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr13-758	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr13	75806979	75808983	+	0	NA	exon (NM_	exon (NM_	47320	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr15-588	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr15	58825585	58826578	+	0	NA	intron (N	intron (N	54779	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr15-101	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	MSTA|LTR|	37278	NM_014918	22856	Hs.110488	NM_014918	ENSG00000	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr18-232	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr18	23247697	23248040	+	0	NA	intron (N	intron (N	92043	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr2-6137	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr2	61379311	61379822	+	0	NA	intron (N	MER102b|D	37811	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr2-1118	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	50180	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr2-1731	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	90363	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr2-1829	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-74531	NM_001463	2487	Hs.128453	NM_001463	ENSG00000	FRZB	FRE|FRITZ	frizzled	protein-coding
chr2-2018	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	17948	NM_001261	65061	Hs.348711	NM_139158	ENSG00000	CDK15	ALS2CR7|P	cyclin de	protein-coding
chr3-1286	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	Intergeni	Intergeni	32021	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr3-1723	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	73639	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr4-4883	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr4	48832617	48833533	+	0	NA	intron (N	AluSq2|SI	1769	NM_001168	54940	Hs.518750	NM_017830	ENSG00000	OCIAD1	ASRIJ|OCI	OCIA doma	protein-coding
chr4-1254	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-58913	NR_031746	1E+08		NR_031746	ENSG00000	MIR2054	hsa-mir-2	microRNA	ncRNA
chr4-1393	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-60211	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr4-1393	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	Tigger3a|	-70854	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr5-6144	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr5	61446961	61447828	+	0	NA	intron (N	LOR1-int|	115136	NM_020928	57688	Hs.744939	NM_020928	ENSG00000	ZSWIM6	AFND|NEDM	zinc fing	protein-coding
chr8-1197	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	48247	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MR	TATA-box	protein-coding
chr9-1104	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	119789	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chrX-9942	5.923089	-0.681	0.956834	-0.71172	0.476638	0.981636	chrX	9942145	9942554	+	0	NA	intron (N	MER21A|LT	-25009	NM_001195	1E+08		NM_001195	ENSG00000	CLDN34	-	claudin 3	protein-coding
chr12-226	5.162398	0.730802	1.026826	0.71171	0.476644	0.981636	chr12	22674525	22674980	+	0	NA	intron (N	intron (N	49581	NM_001039	55500	Hs.29464	NM_018638	ENSG00000	ETNK1	EKI|EKI 1	ethanolam	protein-coding
chr17-569	5.162398	0.730802	1.026826	0.71171	0.476644	0.981636	chr17	56987944	56989091	+	0	NA	intron (N	L1M5|LINE	10410	NM_021626	59342	Hs.514950	NM_021626	ENSG00000	SCPEP1	HSCP1|RIS	serine ca	protein-coding
chr2-1903	5.162398	0.730802	1.026826	0.71171	0.476644	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	MLT1A0|LT	13096	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr8-1033	9.863155	-0.53377	0.750247	-0.71146	0.476799	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSc8|SI	21920	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr1-1847	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	51331	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr11-184	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr11	18478125	18480059	+	0	NA	3' UTR (N	3' UTR (N	23236	NM_144972	160287	Hs.668877	NM_144972	ENSG00000	LDHAL6A	LDH6A	lactate d	protein-coding
chr11-434	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr11	43438250	43438449	+	0	NA	intron (N	AluSx|SIN	79429	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-585	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr11	58553913	58554730	+	0	NA	intron (N	(AAAC)n|S	21596	NM_004811	9404	Hs.125474	NM_004811	ENSG00000	LPXN	LDPL	leupaxin	protein-coding
chr11-103	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	114707	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr13-983	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr13	98393726	98396101	+	0	NA	intron (N	AluJo|SIN	127212	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr14-729	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr14	72974359	72981958	+	0	NA	exon (NM_	exon (NM_	8798	NM_178441	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr14-814	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr14	81478639	81479598	+	0	NA	intron (N	intron (N	-28961	NR_109999	1.01E+08	Hs.116304	NR_109999	ENSG00000	LINC02308	-	long inte	ncRNA
chr15-727	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr15	72711810	72712746	+	0	NA	exon (NM_	exon (NM_	26071	NM_033028	585	Hs.208681	NM_033028	ENSG00000	BBS4	-	Bardet-Bi	protein-coding
chr16-277	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr16	27764269	27764719	+	0	NA	intron (N	L1MC5|LIN	-45465	NR_147898	1E+08	Hs.610277	NR_147898		LOC100128	-	uncharact	ncRNA
chr2-1591	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-5055	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr3-1504	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr3	15043608	15044272	+	0	NA	3' UTR (N	3' UTR (N	21375	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr8-8996	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr8	89963108	89963541	+	0	NA	intron (N	intron (N	21347	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin	protein-coding
chr9-3336	7.955479	0.590878	0.830803	0.711214	0.476952	0.981636	chr9	33364768	33371445	+	0	NA	intron (N	AluSx1|SI	34462	NM_001170	364	Hs.455323	NM_001170	ENSG00000	AQP7	AQP7L|AQP	aquaporin	protein-coding
chr2-1591	5.15454	0.733927	1.032149	0.711067	0.477042	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-25574	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr13-322	7.906481	0.59193	0.832913	0.710674	0.477286	0.981636	chr13	32295258	32295831	+	0	NA	3' UTR (N	3' UTR (N	16410	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr4-2746	7.906481	0.59193	0.832913	0.710674	0.477286	0.981636	chr4	2746687	2747751	+	0	NA	intron (N	intron (N	9117	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr12-881	11.18644	0.500752	0.704628	0.71066	0.477295	0.981636	chr12	881408	885466	+	0	NA	exon (NM_	exon (NM_	49639	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr1-4293	9.829874	-0.53768	0.756613	-0.71064	0.477308	0.981636	chr1	42938884	42939896	+	0	NA	intron (N	intron (N	19478	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr17-812	2.956783	-0.95167	1.339279	-0.71059	0.47734	0.981636	chr17	81242326	81243105	+	0	NA	Intergeni	Intergeni	2801	NR_148426	284184	Hs.356545	NM_001086	ENSG00000	NDUFAF8	C17orf89	NADH:ubiq	protein-coding
chr19-425	5.420493	-0.73926	1.040512	-0.71048	0.477407	0.981636	chr19	4259388	4259587	+	0	NA	intron (N	AluJr|SIN	12407	NM_018074	55702	Hs.21811	NM_018074	ENSG00000	YJU2	CCDC94	YJU2 spli	protein-coding
chr15-727	7.368754	0.622099	0.875633	0.710457	0.477421	0.981636	chr15	72780353	72780570	+	0	NA	intron (N	THE1D|LTR	-2374	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr5-5534	9.912153	-0.53245	0.750003	-0.70993	0.477746	0.981636	chr5	55349263	55350099	+	0	NA	intron (N	intron (N	41692	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr15-732	8.118072	-0.58392	0.822717	-0.70974	0.477865	0.981636	chr15	73293594	73294164	+	0	NA	intron (N	intron (N	-6031	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr1-2673	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr1	26737851	26738375	+	0	NA	intron (N	AluSx1|SI	42098	NM_006015	8289	Hs.468972	NM_006015	ENSG00000	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr1-2037	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	3' UTR (N	3' UTR (N	9285	NR_046213	84719	Hs.661178	NM_032633		LINC00260	C1orf217|	long inte	ncRNA
chr1-2202	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-10404	NR_002994	677818	Hs.730572	NR_002994	ENSG00000	SNORA36B	ACA36b	small nuc	snoRNA
chr11-103	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	MLT1C|LTR	180635	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr11-112	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	4796	NM_000317	5805	Hs.503860	NM_000317	ENSG00000	PTS	PTPS	6-pyruvoy	protein-coding
chr15-664	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr15	66435483	66437831	+	0	NA	intron (N	intron (N	49784	NM_002755	5604	Hs.145442	NM_002755	ENSG00000	MAP2K1	CFC3|MAPK	mitogen-a	protein-coding
chr16-840	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr16	84086376	84089411	+	0	NA	intron (N	intron (N	29049	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr17-539	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr17	5396866	5398399	+	0	NA	intron (N	MLT1D|LTR	-22009	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr19-213	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr19	2136193	2138366	+	0	NA	intron (N	intron (N	14287	NM_003938	8943	Hs.512815	NM_003938	ENSG00000	AP3D1	ADTD|HPS1	adaptor r	protein-coding
chr9-9445	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr9	94459123	94460390	+	0	NA	3' UTR (N	3' UTR (N	85187	NM_032558	84641	Hs.555996	NM_032558	ENSG00000	MFSD14B	HIATL1	major fac	protein-coding
chr9-1143	7.922197	0.587891	0.82832	0.709739	0.477866	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	28247	NM_000608	5005	Hs.719954	NM_000608	ENSG00000	ORM2	AGP-B|AGP	orosomuco	protein-coding
chr15-700	7.392327	0.615528	0.867498	0.709544	0.477987	0.981636	chr15	70049781	70050270	+	0	NA	3' UTR (N	3' UTR (N	29443	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr22-293	7.392327	0.615528	0.867498	0.709544	0.477987	0.981636	chr22	29358328	29358972	+	0	NA	intron (N	intron (N	-25392	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr5-3621	7.392327	0.615528	0.867498	0.709544	0.477987	0.981636	chr5	36211244	36211551	+	0	NA	intron (N	AluSx|SIN	29994	NM_001287	133686	Hs.81907	NM_153013	ENSG00000	NADK2	C5orf33|D	NAD kinas	protein-coding
chr3-5240	11.21972	0.503026	0.709199	0.709287	0.478146	0.981636	chr3	52406926	52407889	+	0	NA	exon (NM_	exon (NM_	2601	NM_004656	8314	Hs.106674	NM_004656	ENSG00000	BAP1	HUCEP-13|	BRCA1 ass	protein-coding
chr3-1964	8.502914	0.573113	0.808106	0.709205	0.478197	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	17106	NM_152617	165918	Hs.250648	NM_152617	ENSG00000	RNF168	hRNF168	ring fing	protein-coding
chr11-102	8.110214	-0.58235	0.821166	-0.70917	0.478218	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	MER8|DNA|	6613	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr20-185	8.110214	-0.58235	0.821166	-0.70917	0.478218	0.981636	chr20	18524443	18525128	+	0	NA	intron (N	FRAM|SINE	16845	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr21-371	8.110214	-0.58235	0.821166	-0.70917	0.478218	0.981636	chr21	37147790	37148979	+	0	NA	intron (N	intron (N	45542	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr15-589	9.360559	-0.55894	0.788363	-0.70898	0.478334	0.981636	chr15	58912176	58913515	+	0	NA	intron (N	intron (N	20834	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr19-412	9.360559	-0.55894	0.788363	-0.70898	0.478334	0.981636	chr19	41297002	41297468	+	0	NA	intron (N	intron (N	-12937	NM_052848	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-co	protein-coding
chr10-738	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr10	73869574	73871164	+	0	NA	intron (N	intron (N	4186	NM_001367	818	Hs.523045	NM_001222	ENSG00000	CAMK2G	CAMK|CAMK	calcium/c	protein-coding
chr12-269	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr12	26998168	26999926	+	0	NA	intron (N	intron (N	15337	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr17-357	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr17	3570774	3572057	+	0	NA	intron (N	CpG	-13603	NM_145068	162514	Hs.446255	NM_145068	ENSG00000	TRPV3	FNEPPK2|C	transient	protein-coding
chr17-595	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr17	59580025	59580853	+	0	NA	intron (N	intron (N	14829	NM_001166	79665	Hs.29403	NM_024612	ENSG00000	DHX40	ARG147|DD	DEAH-box	protein-coding
chr2-4664	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr2	46640610	46642688	+	0	NA	Intergeni	Intergeni	24434	NM_014171	9419	Hs.133998	NM_014171	ENSG00000	CRIPT	HSPC139|S	CXXC repe	protein-coding
chr2-1120	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	41270	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr20-321	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr20	32153145	32153961	+	0	NA	intron (N	AluJo|SIN	36807	NR_002781	128854	Hs.647447	NR_002781	ENSG00000	TSPY26P	TSPYL3|bA	testis sp	pseudo
chr6-1579	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-57232	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-8738	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr7	87387936	87388651	+	0	NA	intron (N	L1PA7|LIN	42629	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr9-1248	5.72555	0.684965	0.966133	0.708976	0.478339	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	19850	NM_030978	81873	Hs.132499	NM_030978	ENSG00000	ARPC5L	ARC16-2	actin rel	protein-coding
chr2-8957	4.205279	-0.80901	1.141334	-0.70883	0.47843	0.981636	chr2	89575386	89575993	+	0	NA	intron (N	AluSc|SIN	9976	NR_160763	1.08E+08		NR_160761		LOC107985	-	lymphocyt	pseudo
chr2-1010	4.205279	-0.80901	1.141334	-0.70883	0.47843	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	AluY|SINE	47767	NM_000993	6160	Hs.469473	NM_000993	ENSG00000	RPL31	L31	ribosomal	protein-coding
chr8-8170	4.205279	-0.80901	1.141334	-0.70883	0.47843	0.981636	chr8	81700864	81703071	+	0	NA	TTS (NM_0	TTS (NM_0	-6909	NM_001010	347051	Hs.683849	NM_001010	ENSG00000	SLC10A5	P5	solute ca	protein-coding
chrX-1076	4.205279	-0.80901	1.141334	-0.70883	0.47843	0.981636	chrX	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSp|SIN	20425	NM_002764	5631	Hs.56	NM_002764	ENSG00000	PRPS1	ARTS|CMTX	phosphori	protein-coding

chr11-102	8.08479	-0.58886	0.830756	-0.70883	0.478433	0.981636	chr11	1.02E+08	1.02E+08	+		0	NA	intron (	AluSp|SIN	52312	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr15-586	8.08479	-0.58886	0.830756	-0.70883	0.478433	0.981636	chr15	58657778	58658413	+		0	NA	intron (	L1MA2|LIN	35512	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr7-1299	8.014184	0.598984	0.845048	0.708816	0.478438	0.981636	chr7	1.3E+08	1.3E+08	+		0	NA	intron (	intron (	24124	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|Gl	ubiquitir	protein-coding
chr2-9398	2.923501	-0.96618	1.36319	-0.70876	0.478473	0.981636	chr2	9398956	9399476	+		0	NA	intron (	(TCCCT)n|	23375	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr21-419	12.14227	-0.48476	0.683975	-0.70874	0.478485	0.981636	chr21	41995737	41995936	+		0	NA	intron (	THE1B-int	-13358	NR_119384	150142	Hs.143833	NM_198078	ENSG00000	ZNF295-AS	C21orf121	ZNF295 ar	ncRNA
chr14-350	5.709834	0.690678	0.974779	0.708548	0.478605	0.981636	chr14	35072301	35073155	+		0	NA	intron (	Tigger2|D	-8353	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-888	5.709834	0.690678	0.974779	0.708548	0.478605	0.981636	chr14	88882722	88883366	+		0	NA	Intergeni	THE1D-int	58393	NM_001366	123016	Hs.303055	NM_144596	ENSG00000	TTC8	BBS8|RP51	tetratric	protein-coding
chr16-689	5.709834	0.690678	0.974779	0.708548	0.478605	0.981636	chr16	68919209	68920167	+		0	NA	intron (	intron (	76157	NM_024562	79613	Hs.13526	NM_024562	ENSG00000	TANGO6	TMCO7	transport	protein-coding
chr17-781	5.709834	0.690678	0.974779	0.708548	0.478605	0.981636	chr17	78100571	78101502	+		0	NA	intron (	AluSq2|SI	10763	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C ar	ncRNA
chr19-194	3.444773	0.883329	1.246758	0.708501	0.478634	0.981636	chr19	1946420	1947056	+		0	NA	intron (	AluY|SINE	5566	NM_001319	1455	Hs.651905	NM_001319	ENSG00000	CSNK1G2	CK1g2	casein ki	protein-coding
chr7-1165	9.920011	-0.53371	0.753373	-0.70843	0.478679	0.981636	chr7	1.17E+08	1.17E+08	+		0	NA	intron (	intron (	1346	NM_001206	858	Hs.212332	NM_001233	ENSG00000	CAV2	CAV	caveolin	protein-coding
chr6-1281	9.393841	-0.55475	0.783504	-0.70803	0.478924	0.981636	chr6	1.28E+08	1.28E+08	+		0	NA	intron (	intron (	156296	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr15-251	7.458891	0.621741	0.878449	0.707771	0.479088	0.981636	chr15	25103890	25104673	+		0	NA	promoter-	promoter-	-360	NR_003361	1E+08		NR_003361	ENSG00000	SNORD116-	HBII-85-2	small nuc	snoRNA
chr15-484	7.625183	-0.60857	0.859962	-0.70768	0.479146	0.981636	chr15	48423357	48424079	+		0	NA	intron (	intron (	91521	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr7-1213	7.625183	-0.60857	0.859962	-0.70768	0.479146	0.981636	chr7	1.21E+08	1.21E+08	+		0	NA	intron (	intron (	21933	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr12-437	11.15316	0.498499	0.704703	0.707388	0.479325	0.981636	chr12	43796796	43796995	+		0	NA	intron (	intron (	9422	NM_001242	5756	Hs.189075	NM_002822	ENSG00000	TWF1	A6|PTK9	twinfilir	protein-coding
chr1-5202	8.47749	0.568279	0.803424	0.707321	0.479367	0.981636	chr1	52023638	52024718	+		0	NA	intron (	AluJb|SIN	9632	NM_138417	112970	Hs.476033	NM_138417	ENSG00000	KTI12	SBBI81|TO	KTI12 chr	protein-coding
chr1-1680	8.47749	0.568279	0.803424	0.707321	0.479367	0.981636	chr1	1.68E+08	1.68E+08	+		0	NA	intron (	intron (	24649	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr14-213	8.47749	0.568279	0.803424	0.707321	0.479367	0.981636	chr14	21387433	21387632	+		0	NA	intron (	AluSp|SIN	-3513	NM_007192	11198	Hs.213724	NM_007192	ENSG00000	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr17-474	8.47749	0.568279	0.803424	0.707321	0.479367	0.981636	chr17	47477271	47479323	+		0	NA	intron (	MLT1A0|LT	14323	NR_033934	653479	Hs.537279	NR_033934		MRPL45P2	-	mitochonc	pseudo
chr19-266	14.37442	0.444556	0.628894	0.706886	0.479638	0.981636	chr19	26675521	26676488	+		0	NA	Intergeni	ALR/Alpha	-1117427	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-1135	9.896437	-0.52987	0.749613	-0.70686	0.479652	0.981636	chr5	1.14E+08	1.14E+08	+		0	NA	intron (	LTR22B1|L	17644	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr1-9502	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr1	95024834	95025555	+		0	NA	intron (	Tigger1|D	-36402	NR_132786	1.02E+08	Hs.730090	NR_132786	ENSG00000	LOC101928	-	uncharact	ncRNA
chr15-650	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr15	65023771	65024291	+		0	NA	intron (	intron (	5608	NM_139242	123263	Hs.531615	NM_139242	ENSG00000	MTFMT	COXPD15|F	mitochonc	protein-coding
chr18-131	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr18	13107914	13108510	+		0	NA	intron (	L1PA16|LI	-110548	NM_181482	753	Hs.697787	NM_004338	ENSG00000	LDLRAD4	C18orf1	low densi	protein-coding
chr2-1597	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr2	1.6E+08	1.6E+08	+		0	NA	intron (	intron (	31168	NM_014880	9936	Hs.130014	NM_014880	ENSG00000	CD302	BIMLEC|CI	CD302 mol	protein-coding
chr4-1689	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr4	1.69E+08	1.69E+08	+		0	NA	Intergeni	L1M2c|LIN	79350	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr8-1440	7.658465	-0.60345	0.853747	-0.70683	0.479675	0.981636	chr8	1.44E+08	1.44E+08	+		0	NA	TTS (NM_C	TTS (NM_C	1155	NR_106906	1.02E+08		NR_106906	ENSG00000	MIR6847	hsa-mir-6	microRNA	ncRNA
chr1-2127	8.102356	-0.58082	0.822392	-0.70625	0.48003	0.981636	chr1	2.13E+08	2.13E+08	+		0	NA	intron (	MSTA|LTR|	-41589	NM_018664	55509	Hs.62919	NM_018664	ENSG00000	BATF3	JDP1|JUND	basic leu	protein-coding
chr10-879	8.102356	-0.58082	0.822392	-0.70625	0.48003	0.981636	chr10	87957655	87958924	+		0	NA	intron (	intron (	94664	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr14-921	8.102356	-0.58082	0.822392	-0.70625	0.48003	0.981636	chr14	92131146	92132111	+		0	NA	intron (	AluSz|SIN	9659	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr4-1834	8.102356	-0.58082	0.822392	-0.70625	0.48003	0.981636	chr4	1.83E+08	1.83E+08	+		0	NA	3’ UTR (	3’ UTR (	3697	NM_001317	55602	Hs.592508	NM_017632	ENSG00000	CDKN2AIP	CARF	CDKN2A ir	protein-coding
chr5-1152	8.102356	-0.58082	0.822392	-0.70625	0.48003	0.981636	chr5	1.15E+08	1.15E+08	+		0	NA	intron (	intron (	-12331	NM_005023	5229	Hs.254006	NM_005023	ENSG00000	PGGT1B	BGGI|GGTI	protein g	protein-coding
chr2-2311	8.076932	-0.58732	0.831998	-0.70592	0.480238	0.981636	chr2	2.31E+08	2.31E+08	+		0	NA	intron (	AluJo|SIN	-29550	NM_000867	3357	Hs.421649	NM_000867	ENSG00000	HTR2B	5-HT(2B)|	5-hydroxy	protein-coding
chr16-161	5.203538	0.731678	1.036589	0.705851	0.480281	0.981636	chr16	16188954	16189998	+		0	NA	intron (	AluSx1|SI	33995	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr6-1696	5.203538	0.731678	1.036589	0.705851	0.480281	0.981636	chr6	1.7E+08	1.7E+08	+		0	NA	non-codir	non-codir	33914	NM_001350	253769	Hs.131903	NM_182552	ENSG00000	WDR27	-	WD repeat	protein-coding
chr9-3945	5.203538	0.731678	1.036589	0.705851	0.480281	0.981636	chr9	39456121	39456586	+		0	NA	intron (	MER2|DNA|	8173	NR_003528	401509	Hs.449445	NM_001032297		ZNF658B	-	zinc fing	pseudo
chr11-102	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr11	1.02E+08	1.02E+08	+		0	NA	intron (	intron (	98925	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr12-105	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr12	1.05E+08	1.05E+08	+		0	NA	intron (	MIRb|SINE	36204	NM_001034	160428	Hs.42572	NM_001034	ENSG00000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr15-809	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr15	80944416	80949706	+		0	NA	exon (NM_	exon (NM_	42758	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr17-388	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr17	38880391	38884343	+		0	NA	intron (	AluSx1|SI	12309	NM_006148	3927	Hs.741156	NM_006148	ENSG00000	LASP1	Lasp-1|ML	LIM and S	protein-coding
chr19-473	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr19	47378343	47378829	+		0	NA	intron (	AluJo|SIN	29271	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr7-5516	8.143495	-0.57759	0.818322	-0.70582	0.480297	0.981636	chr7	55169012	55169681	+		0	NA	TTS (NM_2	TTS (NM_2	19603	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr19-898	7.98876	0.59386	0.84154	0.705683	0.480386	0.981636	chr19	898923	899701	+		0	NA	intron (	intron (	5828	NR_125730	1.04E+08		NR_125730	ENSG00000	RNU6-2	U6-2	RNA, U6 s	snRNA
chr2-4615	7.98876	0.59386	0.84154	0.705683	0.480386	0.981636	chr2	46159536	46160966	+		0	NA	intron (	intron (	-137156	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr19-880	11.1943	0.49932	0.707624	0.705629	0.480419	0.981636	chr19	8809871	8821427	+		0	NA	intron (	AluJr|SIN	6414	NM_001304	148156	Hs.349444	NM_144693	ENSG00000	ZNF558	-	zinc fing	protein-coding
chr9-1130	11.1943	0.49932	0.707624	0.705629	0.480419	0.981636	chr9	1.13E+08	1.13E+08	+		0	NA	intron (	intron (	9581	NM_001282	7539	Hs.150406	NM_003408	ENSG00000	ZFP37	ZNF906|zf	ZFP37 zir	protein-coding
chr11-441	5.453774	-0.7314	1.036973	-0.70533	0.480608	0.981636	chr11	44108902	44109557	+		0	NA	exon (NM_	exon (NM_	13032	NM_000401	2132	Hs.368404	NM_000401	ENSG00000	EXT2	SOTV|SSMS	exostosir	protein-coding
chr10-702	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr10	70216038	70218884	+		0	NA	intron (	MIRc|SINE	15968	NM_021129	5464	Hs.437403	NM_021129	ENSG00000	PPA1	HEL-S-66p	pyrophosp	protein-coding
chr11-348	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr11	34882896	34883095	+		0	NA	intron (	intron (	-33135	NM_001166	8050	Hs.502315	NM_003477	ENSG00000	PDHX	DLDBP|E3B	pyruvate	protein-coding
chr11-883	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr11	88303207	88311003	+		0	NA	intron (	intron (	30631	NM_148170	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsir	protein-coding
chr12-216	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr12	21651813	21654675	+		0	NA	intron (	L1MC4|LIN	4550	NM_001174	3945	Hs.446149	NM_002300	ENSG00000	LDHB	HEL-S-281	lactate c	protein-coding
chr12-220	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr12	22065918	22066196	+		0	NA	TTS (NM_C	TTS (NM_C	19839	NM_018686	55907	Hs.311346	NM_018686	ENSG00000	CMAS	CSS	cytidine	protein-coding
chr12-566	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr12	56626779	56627594	+		0	NA	intron (	intron (	3140	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WALp	bromodoma	protein-coding
chr13-491	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr13	49117697	49119897	+		0	NA	intron (	L1PA7|LIN	8480	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUC	fibronect	protein-coding
chr17-418	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr17	41816872	41822722	+		0	NA	intron (	intron (	7087	NM_021939	60681	Hs.463035	NM_021939	ENSG00000	FKBP10	BRKS1|FKB	FKBP prol	protein-coding
chr19-522	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr19	52200566	52202519	+		0	NA	5’ UTR (	5’ UTR (	346	NM_001363	5518	Hs.467192	NM_014225	ENSG00000	PPP2R1A	MRD36|PP2	protein p	protein-coding
chr19-538	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr19	53872297	53876055	+		0	NA	exon (NM_	exon (NM_	4785	NM_001020	91663	Hs.380906	NM_138373	ENSG00000	MYADM	SB135	myeloid a	protein-coding
chr2-2297	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr2	2.3E+08	2.3E+08	+		0	NA	intron (	AluSx1|SI	-73275	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr4-1094	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr4	1.09E+08	1.09E+08	+		0	NA	intron (	Tigger4b|	-5295	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr5-3890	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr5	38907169	38910631	+		0	NA	intron (	L1PA16|LI	62888	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-1128	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr5	1.13E+08	1.13E+08	+		0	NA	TTS (NM_C	TTS (NM_C	9357	NM_003135	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr5-1135	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr5	1.14E+08	1.14E+08	+		0	NA	intron (	intron (	42137	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr5-1284	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr5	1.28E+08	1.28E+08	+		0	NA	intron (	intron (	87319	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr6-7050	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr6	70503579	70504640	+		0	NA	intron (	L1ME3B|LI	-62821	NM_145267	135154	Hs.418495	NM_145267	ENSG00000	SDHAF4	C6orf57|S	succinate	protein-coding
chr9-1278	8.135637	-0.57605	0.816779	-0.70527	0.480641	0.981636	chr9	1.28E+08	1.28E+08	+		0	NA	intron (	AluSx|SIN	4764	NM_001278	2022	Hs.76753	NM_000118	ENSG00000	ENG	END|HHT1|	endoglin	protein-coding
chr19-197	11.16102	0.497068	0.704914	0.705147	0.480719	0.981636	chr19	19710037	19716606	+		0	NA	intron (	AluJr|SIN	19791	NM_021030	7561	Hs.659932	NM_021030	ENSG00000	ZNF14	GIOT-4|KO	zinc fing	protein-coding
chr20-343	6.895739	0.65023	0.92212	0.705146	0.480719	0.981636	chr20	34396908	34397180	+		0	NA	intron (	AluSg7|SI	33771	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr8-5574	5.758831	0.688957	0.977295	0.704964	0.480833	0.981636	chr8	55747928	55749508	+		0	NA	intron (	AluSz|SIN	24660	NM_001286	137695	Hs.420076	NM_152417	ENSG00000	TMEM68	-	transmemb	protein-coding
chr21-269	5.170256	0.727488	1.03199	0.704936	0.48085	0.981636	chr21	26934868	26936222	+		0	NA	intron (	intron (	-18416	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr5-7219	5.170256	0.727488	1.03199	0.704936	0.48085	0.981636	chr5	72190063	72190502	+		0	NA	intron (	Arthur1A|	10495	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr4-1222	12.11869	-0.48154	0.683333	-0.7047	0.481	0.981636	chr4	1.22E+08	1.22E+08	+		0	NA	exon (NM_	exon (NM_	79923	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr2-1351	7.707462	-0.60154	0.853729	-0.70461	0.481056	0.981636	chr2	1.35E+08	1.35E+08	+		0	NA	intron (	L1ME3|LIN	5036	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr7-2377	18.16668	0.40506	0.575121	0.704303	0.481244	0.981636	chr7	2377551	2377839	+		0	NA	intron (	intron (	22868	NM_001037	8662	Hs.371001	NM_003751	ENSG00000	EIF3B	EIF3-ETA|	eukaryoti	protein-coding
chr19-268	22.83471	0.362564	0.514904	0.704139	0.481346	0.981636	chr19	26859893	26860590	+		0	NA	Intergeni	ALR/Alpha	-933190	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-123	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr12	1.23E+08	1.23E+08	+		0	NA	intron (	AluSq2|SI	23464	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPF	M-phase p	protein-coding
chr16-195	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr16	19565143	19566175	+		0	NA	intron (	intron (	9956	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr17-297	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr17	29701233	29703425	+		0	NA	intron (	AluSx|SIN	59103	NM_001282	85464	Hs.654754	NM_033389	ENSG00000	SSH2	SSH-2|SSH	slingshot	protein-coding
chr3-2562	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr3	25629709	25630341	+		0	NA	intron (	intron (	34347	NM_001068	7155	Hs.475733	NM_001068	ENSG00000	TOP2B	TOPIIB|to	DNA topoi	protein-coding
chr7-1310	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr7	1.31E+08	1.31E+08	+		0	NA	intron (	MLT1H2|LT	89013	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chr7-1510	8.444209	0.565412	0.803533	0.703658	0.481646	0.981636	chr7	1.51E+08	1.51E+08	+		0	NA	exon (NM_	exon (NM_	2321	NM_001199	6522	Hs.647069	NM_003040	ENSG00000	SLC4A2	AE2|BND3L	solute ca	protein-coding
chr4-5423	5.964228	-0.67624	0.961171	-0.70356	0.481709	0.981636	chr4	54237456	54238483	+		0	NA	intron (	MIRb|SINE	4009	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr6-1166	5.964228	-0.67624	0.961171	-0.70356	0.481709	0.981636	chr6	1.17E+08	1.17E+08	+		0	NA	intron (	L1PA3|LIN	24982	NM_145062	221302	Hs.29857	NM_145062	ENSG00000	ZUP1	C6orf113|	zinc fing	protein-coding
chr4-6072	12.55473	-0.47097	0.669654	-0.7033	0.481869	0.981636	chr4	60727	62254	+		0	NA	intron (	intron (	8169	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr1-1839	11.25301	0.505361	0.718564	0.703294	0.481873	0.981636	chr1	1.84E+08	1.84E+08	+		0	NA	intron (	MLT1H|LTR	107587	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr1-1759	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr1	1759150	1760952	+		0	NA	intron (	intron (	-1409	NM_001198	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr10-961	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr10	96134591	96135461	+		0	NA	intron (	MLT1K|LTR	4404	NM_001330	9849	Hs.600823	NM_014803	ENSG00000	ZNF518A	ZNF518	zinc fing	protein-coding
chr11-992	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr11	992626	993000	+		0	NA	intron (	intron (	43905	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr11-362	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr11	36272066	36274396	+		0	NA	3’ UTR (	3’ UTR (	16193	NM_001307	29099	Hs.99443	NM_014186	ENSG00000	COMMD9	C11orf55|	COMM doma	protein-coding
chr11-662	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr11	66211568	66213644	+		0	NA	intron (	L1MC4|LIN	-44688	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr16-565	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr16	56505456	56505889	+		0	NA	intron (	intron (	14352	NM_031885	583	Hs.333738	NM_031885	ENSG00000	BBS2	BBS|RP74	Bardet-Bi	protein-coding
chr17-166	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr17	16637623	16639166	+		0	NA	intron (	L1PA4|LIN	15456	NM_020787	57547	Hs.128078	NM_020787	ENSG00000	ZNF624	-	zinc fing	protein-coding
chr18-107	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr18	10746301	10747126	+		0	NA	intron (	MLT1A0|LT	12936	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr19-457	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr19	45787723	45788267	+		0	NA	intron (	AluSx4|SI	4850	NM_004943	1762	Hs.515474	NM_004943	ENSG00000	DMWD	D19S593E|	DM1 locus	protein-coding
chr20-395	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr20	3951155	3952208	+		0	NA	intron (	L1MC4a|LI	-34118	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr20-335	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr20	33557340	33557776	+		0	NA	intron (	AluJr|SIN	-4807	NM_001039	9139	Hs.153934	NM_005093	ENSG00000	CBFA2T2	EHT|MTGR1	CBFA2/RUN	protein-coding
chr20-573	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr20	57372309	57374038	+		0	NA	intron (	intron (	-13675	NM_001190	1E+08		NM_001190	ENSG00000	MTRNR2L3	HN3	MT-RNR2 l	protein-coding
chr22-264	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr22	26470882	26471604	+		0	NA	non-codir	non-codir	8245	NR_073136	89781	Hs.474436	NM_022081	ENSG00000	HPS4	BLOC3S2|L	HPS4 biog	protein-coding
chr6-1776	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr6	17767309	17769313	+		0	NA	intron (	intron (	61268	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr7-1441	5.692268	0.681005	0.96838	0.703241	0.481906	0.981636	chr7	1441316	1441515	+		0	NA	intron (	intron (	18055	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr1-3294	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr1	32944969	32947283	+		0	NA	intron (	AluJb|SIN	18683	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr1-1537	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr1	1.54E+08	1.54E+08	+		0	NA	intron (	intron (	14425	NM_023015	65123	Hs.438723	NM_023015	ENSG00000	INTS3	C1orf193|	integrato	protein-coding
chr10-315	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr10	3157243	3160606	+		0	NA	exon (NM_	exon (NM_	13792	NM_001347	10531	Hs.528300	NM_014889	ENSG00000	PITRM1	MP1|PreP	pitrilysi	protein-coding
chr10-294	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr10	29478945	29480927	+		0	NA	intron (	intron (	65161	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr10-381	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr10	38102055	38107246	+		0	NA	intron (	L1MC4|LIN	10313	NM_001324	7587	Hs.292575	NM_003421	ENSG00000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr14-774	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr14	77431712	77437295	+		0	NA	intron (	intron (	-11447	NM_001113	122945	Hs.97556	NM_138791	ENSG00000	NOXRED1	C14orf148	NADP depe	protein-coding
chr15-906	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr15	90628115	90630739	+		0	NA	exon (NM_	exon (NM_	-30807	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG00000	LINC01585	-	long inte	ncRNA
chr16-533	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr16	53303550	53305526	+		0	NA	exon (NM_	exon (NM_	66674	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-288	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr17	28858051	28859858	+		0	NA	intron (	intron (	-2417	NR_039876	1.01E+08		NR_039876	ENSG00000	MIR451B	-	microRNA	ncRNA
chr19-241	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr19	24111406	24113454	+		0	NA	intron (	L1PA3|LIN	25243	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr20-356	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr20	35678405	35678727	+		0	NA	intron (	AluSz|SIN	-13666	NM_001198	10137	Hs.700188	NM_006047	ENSG00000	RBM12	HRIHFB209	RNA bindi	protein-coding
chr20-583	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr20	58359642	58360396	+		0	NA	3’ UTR (	3’ UTR (	-29100	NM_004738	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP assc	protein-coding
chr3-1856	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr3	1.86E+08	1.86E+08	+		0	NA	intron (	intron (	61242	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr4-1192	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr4	1.19E+08	1.19E+08	+		0	NA	intron (	L1PA7|LIN	40908	NM_001371396								
chr7-1392	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr7	1.39E+08	1.39E+08	+		0	NA	intron (	Charlie16	6681	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr8-2288	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr8	228888	229359	+		0	NA	intron (	CpG	-3014	NM_001287	169270	Hs.591388	NM_173539	ENSG00000	ZNF596	-	zinc fing	protein-coding
chr9-1330	8.452067	0.563514	0.801531	0.703047	0.482027	0.981636	chr9	1.33E+08	1.33E+08	+		0	NA	intron (	Charlie8|	-9588	NR_106937	1.02E+08		NR_106937	ENSG00000	MIR6877	hsa-mir-6	microRNA	ncRNA
chr1-3825	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr1	3825655	3826129	+		0	NA	intron (	intron (	-29394	NM_020710	57470	Hs.268488	NM_020710	ENSG00000	LRRC47	-	leucine r	protein-coding
chr1-1496	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr1	14967493	14967712	+		0	NA	intron (	MLT1D|LTR	21683	NM_001017	23254	Hs.368823	NM_015209	ENSG00000	KAZN	KAZ	kazrin, p	protein-coding
chr11-458	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr11	45867238	45871493	+		0	NA	intron (	intron (	-16286	NM_005456	9479	Hs.234249	NM_005456	ENSG00000	MAPK8IP1	IB1|JIP-1	mitogen-a	protein-coding
chr12-118	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr12	1.18E+08	1.18E+08	+		0	NA	intron (	L1ME2|LIN	4842	NM_002567	5037	Hs.433863	NM_002567	ENSG00000	PEBP1	HCNP|HCNP	phosphati	protein-coding
chr15-910	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr15	91013164	91014181	+		0	NA	intron (	MSTD|LTR|	8949	NM_018668	26276	Hs.745007	NM_018668	ENSG00000	VPS33B	-	VPS33B la	protein-coding
chr16-207	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr16	2072208	2073974	+		0	NA	intron (	intron (	17193	NR_030646	1E+08		NR_030646	ENSG00000	MIR1225	MIRN1225	microRNA	ncRNA

chr16-309	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr16	30979749	30981627	+		0	NA	intron (N	CpG	-4519	NM_001142	80270	Hs. 460618	NM_025193	ENSG0000C	HSD3B7	CBAS1|PFI	hydroxy-c	protein-coding
chr2-3202	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr2	32028136	32029088	+		0	NA	intron (N	AluSc|SIN	11193	NM_001321	84661	Hs. 531788	NM_032574	ENSG0000C	DPY30	Cps25|HDF	dpy-30 hi	protein-coding
chr5-1800	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr5	1.8E+08	1.8E+08	+		0	NA	intron (N	L1MB7|LIN	-20730	NR_029885	442908		NR_029885	ENSG0000C	MIR340	MIRN340|I	microRNA	ncRNA
chr6-1164	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr6	1.16E+08	1.16E+08	+		0	NA	intron (N	L1PA16|LI	-27594	NM_001276	441168	Hs. 381220	NM_001010	ENSG0000C	CALHM6	C6orf187|	calcium I	protein-coding
chr6-1697	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr6	1.7E+08	1.7E+08	+		0	NA	intron (N	AluSg|SIN	6879	NM_133325	55274	Hs. 435933	NM_018288	ENSG0000C	PHF10	BAF45A|XA	PHD finge	protein-coding
chr7-1300	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr7	1.3E+08	1.3E+08	+		0	NA	intron (N	AluY|SINE	10875	NM_001363	51530	Hs. 194157	NM_016478	ENSG0000C	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr9-2099	7.930055	0.585803	0.833335	0.702962	0.482079	0.981636	chr9	20990232	20990786	+		0	NA	intron (N	intron (N	41131	NM_001010	401494	Hs. 716678	NM_001010	ENSG0000C	HACD4	PTPLAD2	3-hydroxy	protein-coding
chr1-2295	8.485348	0.566401	0.805746	0.702952	0.482085	0.981636	chr1	2.3E+08	2.3E+08	+		0	NA	intron (N	FLAM_C|SI	20394	NR_110630	1.02E+08	Hs. 229275	NR_110630		LOC101927	-	uncharact	ncRNA
chr2-9229	8.485348	0.566401	0.805746	0.702952	0.482085	0.981636	chr2	92296775	92297631	+		0	NA	Intergeni	ALR/Alpha	356070	NR_027714	440888	Hs. 730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-6452	8.485348	0.566401	0.805746	0.702952	0.482085	0.981636	chr7	64523802	64524841	+		0	NA	TTS (NM_C	TTS (NM_C	38750	NM_178558	340252	Hs. 520886	NM_178558	ENSG0000C	ZNF680	-	zinc fing	protein-coding
chr4-4427	11.71631	0.487262	0.693192	0.702924	0.482103	0.981636	chr4	442772	445252	+		0	NA	exon (NM_	exon (NM_	30197	NR_002451	79963	Hs. 677493	NM_024903	ENSG0000C	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr10-149	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr10	14924649	14925133	+		0	NA	intron (N	intron (N	29205	NM_001350	64421	Hs. 655932	NM_022487	ENSG0000C	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr11-614	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr11	614960	615467	+		0	NA	exon (NM_	exon (NM_	737	NM_004029	3665	Hs. 166120	NM_001572	ENSG0000C	IRF7	IMD39|IRF	interferc	protein-coding
chr12-681	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr12	6817395	6818067	+		0	NA	intron (N	(CA)n|Sim	-4090	NM_019858	27239	Hs. 631654	NM_014449	ENSG0000C	GPR162	A-2|GRCA	G proteir	protein-coding
chr13-112	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr13	1.13E+08	1.13E+08	+		0	NA	intron (N	intron (N	-69039	NR_046661	1.01E+08	Hs. 658692	NR_046661	ENSG0000C	ATP11A-AS	-	ATP11A ar	ncRNA
chr16-587	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr16	58711504	58711703	+		0	NA	intron (N	MER102a|D	22713	NM_001286	2806	Hs. 599470	NM_002080	ENSG0000C	GOT2	KAT4|KAT1	glutamic-	protein-coding
chr17-356	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr17	35655305	35655790	+		0	NA	intron (N	L1ME3|LIN	68225	NM_001030	163	Hs. 514819	NM_001282	ENSG0000C	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr20-369	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr20	36994981	36995762	+		0	NA	TTS (NM_C	TTS (NM_C	-43528	NM_015474	25939	Hs. 580681	NM_015474	ENSG0000C	SAMHD1	CHBL2|DCI	SAM and I	protein-coding
chr5-8394	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr5	83943317	83943830	+		0	NA	intron (N	intron (N	-222718	NM_001884	1404	Hs. 2799	NM_001884	ENSG0000C	HAPLN1	CRT1|CRTL	hyalurona	protein-coding
chr7-1396	5.915231	-0.6788	0.965813	-0.70283	0.482165	0.981636	chr7	1.4E+08	1.4E+08	+		0	NA	intron (N	intron (N	89509	NM_001113	28996	Hs. 731417	NM_022740	ENSG0000C	HIPK2	PRO0593	homeodoma	protein-coding
chr13-526	7.699604	-0.5999	0.85358	-0.70281	0.482175	0.981636	chr13	52662735	52663010	+		0	NA	intron (N	intron (N	10036	NM_001320	10910	Hs. 281902	NM_006704	ENSG0000C	SUGT1	SGT1	SGT1 homc	protein-coding
chr6-2659	7.699604	-0.5999	0.85358	-0.70281	0.482175	0.981636	chr6	26598992	26599220	+		0	NA	3’ UTR (N	3’ UTR (N	2153	NM_013375	29777	Hs. 254406	NM_013375	ENSG0000C	ABT1	Esf2|hABT	activator	protein-coding
chr2-1064	10.33247	-0.51454	0.732277	-0.70265	0.482273	0.981636	chr2	10643800	10644202	+		0	NA	intron (N	AluSz|SIN	45974	NM_024894	79954	Hs. 222494	NM_024894	ENSG0000C	NOL10	PQBP5	nucleolar	protein-coding
chr1-2404	5.972086	-0.67822	0.9656	-0.70238	0.482442	0.981636	chr1	2.4E+08	2.4E+08	+		0	NA	Intergeni	Intergeni	135915	NM_022469	64388	Hs. 98206	NM_022469	ENSG0000C	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr1-1762	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr1	1762083	1762305	+		0	NA	intron (N	intron (N	-3552	NM_001198	65220	Hs. 654792	NM_023018	ENSG0000C	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-4054	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr1	40543193	40543899	+		0	NA	intron (N	AluY|SINE	11909	NM_152373	127396	Hs. 524767	NM_152373	ENSG0000C	ZNF684	-	zinc fing	protein-coding
chr10-151	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr10	15117399	15120635	+		0	NA	intron (N	Charlie1a	21662	NM_006414	10557	Hs. 94986	NM_006414	ENSG0000C	RPP38	-	ribonucle	protein-coding
chr10-609	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr10	60934863	60936414	+		0	NA	intron (N	MER63C|DN	8547	NM_001350	9886	Hs. 737374	NM_014836	ENSG0000C	RHOBTB1	-	Rho relat	protein-coding
chr10-680	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr10	68015615	68017876	+		0	NA	intron (N	intron (N	-5862	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-870	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr10	87047353	87049556	+		0	NA	Intergeni	AluY|SINE	28160	NM_001146	643161	Hs. 729945	NM_001146	ENSG0000C	FAM25A	bA96C23.5	family wi	protein-coding
chr11-658	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr11	65891229	65893153	+		0	NA	TTS (NR_1	TTS (NR_1	1518	NM_006848	11007	Hs. 66713	NM_006848	ENSG0000C	CCDC85B	DIPA	coiled-cc	protein-coding
chr11-106	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr11	1.06E+08	1.06E+08	+		0	NA	intron (N	intron (N	-5038	NM_001330	143879	Hs. 101949	NM_152433	ENSG0000C	KBTBD3	BKLHD3	kelch rep	protein-coding
chr13-980	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr13	98000853	98003698	+		0	NA	intron (N	AluYk2|SI	48600	NM_002271	3843	Hs. 712598	NM_002271	ENSG0000C	IPO5	IMB3|KPNE	importin	protein-coding
chr14-610	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr14	61004246	61006061	+		0	NA	intron (N	L1PA3|LIN	-23463	NM_001350	57570	Hs. 380159	NM_020810	ENSG0000C	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr2-1114	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr2	1.11E+08	1.11E+08	+		0	NA	intron (N	MLT1C|LTR	15092	NR_136166	541471	Hs. 560805	NR_015395	ENSG0000C	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr2-2377	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr2	2.38E+08	2.38E+08	+		0	NA	TTS (NM_C	TTS (NM_C	-16738	NM_001080	375316	Hs. 607265	NM_198852	ENSG0000C	RBM44	-	RNA bindi	protein-coding
chr20-372	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr20	37216129	37218291	+		0	NA	intron (N	AluJb|SIN	-37662	NM_213632	140699	Hs. 349125	NM_152503	ENSG0000C	MROH8	C20orf131	maestro I	protein-coding
chr20-410	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr20	41078887	41082674	+		0	NA	intron (N	intron (N	51958	NM_003286	7150	Hs. 472737	NM_003286	ENSG0000C	TOP1	TOPI	DNA topoi	protein-coding
chr21-348	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr21	34840724	34841351	+		0	NA	intron (N	intron (N	47662	NM_001001	861	Hs. 149261	NM_001754	ENSG0000C	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr3-5755	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr3	57559662	57560530	+		0	NA	3’ UTR (N	3’ UTR (N	3822	NM_001322	201626	Hs. 572993	NM_177966	ENSG0000C	PDE12	2’-PDE|2-	phosphodi	protein-coding
chr3-1225	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr3	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	18601	NM_001146	83666	Hs. 518200	NM_031458	ENSG0000C	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr5-6375	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr5	6375524	6376648	+		0	NA	intron (N	intron (N	2461	NM_032286	84246	Hs. 13885	NM_032286	ENSG0000C	MED10	L6|NUT2|T	mediator	protein-coding
chr5-6604	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr5	66046392	66046880	+		0	NA	intron (N	intron (N	-97664	NM_001323	140890	Hs. 49367	NM_139168	ENSG0000C	SREK1	SFRS12|SF	splicing	protein-coding
chr5-1107	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr5	1.11E+08	1.11E+08	+		0	NA	intron (N	L1PA17|LI	9339	NM_001303	91137	Hs. 75639	NM_138773	ENSG0000C	SLC25A46	HMSN6B	solute ca	protein-coding
chr5-1461	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr5	1.46E+08	1.46E+08	+		0	NA	intron (N	MIRb|SINE	-20116	NM_001029	153770	Hs. 162369	NM_001029	ENSG0000C	PLAC8L1	-	PLAC8 lik	protein-coding
chr6-1437	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr6	1.44E+08	1.44E+08	+		0	NA	intron (N	intron (N	76149	NM_001100	9749	Hs. 102471	NM_014721	ENSG0000C	PHACTR2	C6orf56	phosphata	protein-coding
chr7-4362	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr7	43624521	43626276	+		0	NA	3’ UTR (N	3’ UTR (N	42290	NM_004760	9263	Hs. 709489	NM_004760	ENSG0000C	STK17A	DRAK1	serine/th	protein-coding
chr8-2337	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr8	23378032	23378245	+		0	NA	intron (N	L1PA5|LIN	25982	NM_002318	4017	Hs. 626637	NM_002318	ENSG0000C	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr8-1057	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr8	1.06E+08	1.06E+08	+		0	NA	intron (N	L1PA3|LIN	270701	NR_125797	1.03E+08	Hs. 571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr9-1150	8.127779	-0.57452	0.817997	-0.70235	0.482464	0.981636	chr9	1.15E+08	1.15E+08	+		0	NA	intron (N	L1MD2|LIN	43932	NM_002160	3371	Hs. 143250	NM_002160	ENSG0000C	TNC	150-225|I	tenascin	protein-coding
chr20-499	9.888579	-0.52853	0.752597	-0.70228	0.482506	0.981636	chr20	49949627	49950679	+		0	NA	intron (N	AluSx1|SI	13756	NM_018683	55905	Hs. 144949	NM_018683	ENSG0000C	RNF114	PSORS12|Z	ring fing	protein-coding
chr17-637	5.956371	-0.67417	0.961101	-0.70146	0.483017	0.981636	chr17	63753484	63754169	+		0	NA	intron (N	intron (N	-11840	NM_001363	92335	Hs. 514402	NM_153335	ENSG0000C	STRADA	LYK5|NY-E	STE20 rel	protein-coding
chr7-1211	5.956371	-0.67417	0.961101	-0.70146	0.483017	0.981636	chr7	1.21E+08	1.21E+08	+		0	NA	intron (N	intron (N	146563	NM_001105	79974	Hs. 189652	NM_024913	ENSG0000C	CPED1	C7orf58	cadherin	protein-coding
chr1-1564	7.888915	0.584819	0.8338	0.70139	0.483059	0.981636	chr1	15649765	15650550	+		0	NA	intron (N	intron (N	-9556	NM_006511	6248	Hs. 239459	NM_006511	ENSG0000C	RSC1A1	RS1	regulator	protein-coding
chr12-487	7.888915	0.584819	0.8338	0.70139	0.483059	0.981636	chr12	48775245	48776200	+		0	NA	intron (N	intron (N	-3685	NR_039850	1.01E+08		NR_039850	ENSG0000C	MIR4701	-	microRNA	ncRNA
chr16-474	7.888915	0.584819	0.8338	0.70139	0.483059	0.981636	chr16	47443162	47443633	+		0	NA	intron (N	L1PA4|LIN	17666	NM_030790	81533	Hs. 42217	NM_030790	ENSG0000C	ITFG1	2310047C2	integrin	protein-coding
chr19-569	7.888915	0.584819	0.8338	0.70139	0.483059	0.981636	chr19	5698568	5698773	+		0	NA	intron (N	intron (N	8375	NM_015414	25873	Hs. 408018	NM_015414	ENSG0000C	RPL36	L36	ribosomal	protein-coding
chr2-8604	7.888915	0.584819	0.8338	0.70139	0.483059	0.981636	chr2	86046282	86047465	+		0	NA	intron (N	intron (N	59013	NM_015425	25885	Hs. 531818	NM_015425	ENSG0000C	POLR1A	A190|AFDC	RNA polym	protein-coding
chr1-1240	46.49427	0.280453	0.399954	0.701212	0.483171	0.981636	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2579739	NR_003955	647121	Hs. 697682	NR_003955	ENSG0000C	EMBP1	-	embigin p	pseudo
chr13-521	8.094498	-0.57931	0.826439	-0.70097	0.483322	0.981636	chr13	52176938	52177137	+		0	NA	intron (N	AluSg|SIN	-17176	NM_001146	4752	Hs. 409989	NM_002498	ENSG0000C	NEK3	HSPK36	NIMA rela	protein-coding
chr17-497	8.094498	-0.57931	0.826439	-0.70097	0.483322	0.981636	chr17	49792337	49793393	+		0	NA	intron (N	AluJr|SIN	4184	NM_001199	11143	Hs. 21907	NM_007067	ENSG0000C	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr4-9888	8.094498	-0.57931	0.826439	-0.70097	0.483322	0.981636	chr4	98881911	98882319	+		0	NA	intron (N	AluY|SINE	47018	NM_001130	1977	Hs. 13211	NM_001968	ENSG0000C	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr8-6730	8.094498	-0.57931	0.826439	-0.70097	0.483322	0.981636	chr8	67300148	67300415	+		0	NA	intron (N	intron (N	43500	NM_006421	10565	Hs. 656902	NM_006421	ENSG0000C	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr4-1688	8.069074	-0.58584	0.836092	-0.70069	0.483498	0.981636	chr4	1.69E+08	1.69E+08	+		0	NA	intron (N	intron (N	19869	NM_001367	23022	Hs. 151220	NM_016081	ENSG0000C	PALLD	CGI-151|C	palladin,	protein-coding
chr1-8868	8.436351	0.567366	0.810003	0.70045	0.483646	0.981636	chr1	88688108	88688430	+		0	NA	intron (N	AluSx3|SI	-3065	NR_110682	1.02E+08	Hs. 637231	NR_110682	ENSG0000C	PKN2-AS1	-	PKN2 anti	ncRNA
chr10-100	8.436351	0.567366	0.810003	0.70045	0.483646	0.981636	chr10	1E+08	1E+08	+		0	NA	non-codir	non-codir	34367	NM_001347	10613	Hs. 150087	NM_006459	ENSG0000C	ERLIN1	C10orf69|	ER lipid	protein-coding
chr4-1279	8.436351	0.567366	0.810003	0.70045	0.483646	0.981636	chr4	1.28E+08	1.28E+08	+		0	NA	intron (N	AluSp|SIN	-18660	NM_152778	256471	Hs. 480701	NM_152778	ENSG0000C	MFSD8	CCMD|CLN7	major fac	protein-coding
chr11-639	6.929021	0.653378	0.932826	0.700428	0.48366	0.981636	chr11	63905630	63905895	+		0	NA	intron (N	intron (N	11402	NM_173587	283248	Hs. 98788	NM_173587	ENSG0000C	RCOR2	-	REST core	protein-coding
chr6-3284	6.929021	0.653378	0.932826	0.700428	0.48366	0.981636	chr6	32845261	32845615	+		0	NA	promoter-	promoter-	-759	NM_004159	5696	Hs. 180062	NM_004159	ENSG0000C	PSMB8	ALDD|D6S2	proteasom	protein-coding
chr7-2341	5.164248	0.748009	1.06803	0.700363	0.4837	0.981636	chr7	23415379	23415647	+		0	NA	intron (N	CpG	19067	NR_145734	1.1E+08		NR_145734	ENSG0000C	SNORD65C	-	small nuc	snoRNA
chr19-344	10.29919	-0.51835	0.740116	-0.70036	0.483704	0.981636	chr19	3448540	3450834	+		0	NA	intron (N	AluSx|SIN	30838	NM_001136	284422	Hs. 130714	NM_001136	ENSG0000C	SMIM24	C19orf77|	small int	protein-coding
chr1-1580	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr1	1.58E+08	1.58E+08	+		0	NA	intron (N	MIR3|SINE	32283	NR_145471	1.01E+08	Hs. 664656	NR_145471		KIRREL1-I	KIRREL-IT	KIRREL1 i	ncRNA
chr1-2200	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr1	2.2E+08	2.2E+08	+		0	NA	intron (N	intron (N	-19381	NM_004446	2058	Hs. 497788	NM_004446	ENSG0000C	EPRS	EARS|GLUF	glutamyl-	protein-coding
chr10-586	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr10	58688565	58690479	+		0	NA	intron (N	intron (N	-25493	NR_027508	728640	Hs. 729209	NR_027508		FAM133CP	-	family wi	pseudo
chr11-441	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr11	44114353	44117341	+		0	NA	intron (N	intron (N	19650	NM_000401	2132	Hs. 368404	NM_000401	ENSG0000C	EXT2	SOTV|SSMS	exostosir	protein-coding
chr11-466	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr11	46624707	46627212	+		0	NA	intron (N	AluY|SINE	8683	NM_001346	9776	Hs. 127403	NM_014741	ENSG0000C	ATG13	KIAA0652|	autophagy	protein-coding
chr11-134	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr11	1.34E+08	1.34E+08	+		0	NA	intron (N	intron (N	13744	NM_014174	29087	Hs. 13645	NM_014174	ENSG0000C	THYN1	HSPC144|M	thymocyte	protein-coding
chr15-641	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr15	64140730	64141060	+		0	NA	3’ UTR (N	3’ UTR (N	-10836	NR_073534	79856	Hs. 744250	NM_024798	ENSG0000C	SNX22	-	sorting r	protein-coding
chr15-851	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr15	85121130	85122016	+		0	NA	intron (N	L2a|LINE|	113208	NR_158179	1.02E+08	Hs. 681665	NR_158179		LOC101929	-	golgin A2	pseudo
chr16-145	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr16	1452504	1455069	+		0	NA	intron (N	intron (N	-9297	NM_001143	645811	Hs. 355232	NM_001143	ENSG0000C	CCDC154	C16orf29	coiled-cc	protein-coding
chr16-683	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr16	68355961	68357002	+		0	NA	intron (N	intron (N	45367	NM_001290	54496	Hs. 640229	NM_019023	ENSG0000C	PRMT7	SBIDDS	protein a	protein-coding
chr17-824	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr17	82472682	82475480	+		0	NA	intron (N	AluJo|SIN	15340	NM_012336	26502	Hs. 256526	NM_012336	ENSG0000C	NARF	IOP2	nuclear p	protein-coding
chr18-769	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr18	76947885	76948573	+		0	NA	intron (N	intron (N	68826	NM_001025	4155	Hs. 551713	NM_002385	ENSG0000C	MBP	-	myelin ba	protein-coding
chr2-2532	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr2	25326441	25327019	+		0	NA	intron (N	LTR41|LTR	1991	NR_031570	1E+08		NR_031570	ENSG0000C	MIR1301	MIRN1301|	microRNA	ncRNA
chr3-1270	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr3	1.27E+08	1.27E+08	+		0	NA	intron (N	intron (N	32791	NM_032242	5361	Hs. 432329	NM_032242	ENSG0000C	PLXNA1	NOV|NOVP|	plexin A1	protein-coding
chr3-1839	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr3	1.84E+08	1.84E+08	+		0	NA	intron (N	intron (N	-40634	NR_046570	1.01E+08	Hs. 570696	NR_046570	ENSG0000C	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr4-1508	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr4	1.51E+08	1.51E+08	+		0	NA	intron (N	L1PA5|LIN	175507	NM_001199	987	Hs. 480938	NM_006726	ENSG0000C	LRBA	BGL|CDC4L	LPS respc	protein-coding
chr5-1347	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr5	1.35E+08	1.35E+08	+		0	NA	intron (N	intron (N	-8650	NM_001300	9879	Hs. 406549	NM_014829	ENSG0000C	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr9-8912	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr9	89127043	89127848	+		0	NA	intron (N	MER41-int	51373	NM_016848	53358	Hs. 292737	NM_016848	ENSG0000C	SHC3	N-Shc|NSH	SHC adapt	protein-coding
chr9-1288	5.700126	0.678177	0.968372	0.700327	0.483723	0.981636	chr9	1.29E+08	1.29E+08	+		0	NA	intron (N	intron (N	-11073	NM_004435	2021	Hs. 745161	NM_004435	ENSG0000C	ENDOG	-	endonucle	protein-coding
chr5-7121	14.86315	0.435314	0.621684	0.700217	0.483792	0.981636	chr5	71218858	71219996	+		0	NA	TTS (NR_C	TTS (NR_C	-11296	NR_027028	728411	Hs. 88181	NM_207331	ENSG0000C	GUSBP1	-	GUSB pseu	pseudo
chr17-432	7.963337	0.588752	0.841065	0.700008	0.483922	0.981636	chr17	43208626	43209423	+		0	NA	intron (N	intron (N	-2851	NM_145041	113277	Hs. 536474	NM_145041	ENSG0000C	TMEM106A	-	transmemt	protein-coding
chr19-215	7.963337	0.588752	0.841065	0.700008	0.483922	0.981636	chr19	21541360	21543374	+		0	NA	Intergeni	AluSx1|SI	36765	NM_001346	353088	Hs. 572567	NM_001001	ENSG0000C	ZNF429	-	zinc fing	protein-coding
chr19-492	7.963337	0.588752	0.841065	0.700008	0.483922	0.981636	chr19	49210684	49212003	+		0	NA	intron (N	intron (N	53551	NM_017636	54795	Hs. 467101	NM_017636	ENSG0000C	TRPM4	LTrpC4|PF	transient	protein-coding
chr20-463	7.963337	0.588752	0.841065	0.700008	0.483922	0.981636	chr20	46397761	46397960	+		0	NA	intron (N	intron (N	8755	NM_133171	63916	Hs. 210469	NM_022086	ENSG0000C	ELMO2	CED-12|CE	engulfmer	protein-coding
chr20-365	10.36575	-0.51085	0.729837	-0.69995	0.483959	0.981636	chr20	36544704	36549899	+		0	NA	intron (N	MIR|SINE|	5782	NM_006097	10398	Hs. 504687	NM_006097	ENSG0000C	MYL9	LC20|MLC-	myosin li	protein-coding
chr6-5349	10.36575	-0.51085	0.729837	-0.69995	0.483959	0.981636	chr6	53499788	53500400	+		0	NA	exon (NM_	exon (NM_	45007	NM_001498	2729	Hs. 654465	NM_001498	ENSG0000C	GCLC	GCL|GCS|C	glutamate	protein-coding
chr15-100	5.68441	0.68384	0.977054	0.6999	0.48399	0.981636	chr15	1.01E+08	1.01E+08	+		0	NA	intron (N	L1MA4A|LI	19929	NM_198243	140460	Hs. 31845	NM_024708	ENSG0000C	ASB7	-	ankyrin r	protein-coding
chr5-6712	5.68441	0.68384	0.977054	0.6999	0.48399	0.981636	chr5	67124732	67125836	+		0	NA	intron (N	L1PA7|LIN	71515	NM_005582	4064	Hs. 87205	NM_005582	ENSG0000C	CD180	LY64|Ly78	CD180 mol	protein-coding
chr6-1573	14.94542	0.436705	0.624023	0.699823	0.484038	0.981636	chr6	1.57E+08	1.57E+08	+		0	NA	intron (N	intron (N	11575	NM_018452	729515	Hs. 157212	NM_018452	ENSG0000C	TMEM242	BM033|C6c	transmemt	protein-coding
chr9-1274	7.400185	0.613098	0.876106	0.699798	0.484053	0.981636	chr9	1.27E+08	1.27E+08	+		0	NA	exon (NM_	exon (NM_	35429	NM_001005	90678	Hs. 495188	NM_138361	ENSG0000C	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr18-420	7.881058	0.58682	0.838567	0.699789	0.484059	0.981636	chr18	42034580	42034779	+		0	NA	intron (N	intron (N	79445	NM_002647	5289	Hs. 464971	NM_002647	ENSG0000C	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr9-2039	7.881058	0.58682	0.838567	0.699789	0.484059	0.981636	chr9	2039581	2039876	+		0	NA	exon (NM_	exon (NM_	17783	NM_001289	6595	Hs. 298990	NM_003070	ENSG0000C	SMARCA2	BAF190|BF	SWI/SNF r	protein-coding
chr16-142	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr16	14234620	14235104	+		0	NA	intron (N	intron (N	48176	NM_001365	57496	Hs. 49143	NM_014048	ENSG0000C	MRTFB	MKL2|MRTF	myocardir	protein-coding
chr16-155	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr16	15515476	15516188	+		0	NA	intron (N	MIRb|SINE	13566	NM_001142	89927	Hs. 401798	NM_033201	ENSG0000C	BMERB1	C16orf45|	bMERB dom	protein-coding
chr18-107	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr18	10754470	10759172	+		0	NA	intron (N	(TGAGGA)r	2828	NR_106846	1.02E+08		NR_106846	ENSG0000C	MIR6788	hsa-mir-6	microRNA	ncRNA
chr20-640	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr20	64013817	64014308	+		0	NA	intron (N	AluJb|SIN	-19665	NM_001348	284739	Hs. 97840	NM_207349	ENSG0000C	C20orf204	LINC00176	chromosom	protein-coding
chr7-1019	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr7	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	112825	NM_181552	1523	Hs. 191482	NM_001913	ENSG0000C	CUX1	CASP|CDP|	cut like	protein-coding
chr9-2076	5.733408	0.682111	0.97476	0.699773	0.484069	0.981636	chr9	2076715	2077658	+		0	NA	intron (N	intron (N	55241	NM_001289	6595	Hs. 298990	NM_003070	ENSG0000C	SMARCA2	BAF190|BF	SWI/SNF r	protein-coding
chr15-383	5.881949	-0.68555	0.979812	-0.69967	0.484132	0.981636	chr15	38308984	38309255	+		0	NA	intron (N	L1MD2|LIN	56283	NM_152594	161742	Hs. 525781	NM_152594	ENSG0000C	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr21-465	5.881949	-0.68555	0.979812	-0.69967	0.484132	0.981636	chr21	46552543	46552818	+		0	NA	intron (N	L2c|LINE|	52402	NM_006272	6285	Hs. 422181	NM_006272	ENSG0000C	S100B	NEF|S100|	S100 calc	protein-coding
chr9-1517	5.881949	-0.68555	0.979812	-0.69967	0.484132	0.981636	chr9	15171983	15172182	+		0	NA	exon (NM_	exon (NM_	78136	NM_001168	158219	Hs. 563630	NM_152574	ENSG0000C	TTC39B	C9orf52	tetratric	protein-coding
chr1-7548	7.896773	0.582773	0.833939	0.69882	0.484664	0.981636	chr1	754876	755300	+		0	NA	Intergeni	MER11C|LT	23600	NR_033908	1E+08	Hs. 527521	NR_033908		LOC100288	-	uncharact	ncRNA
chr1-2365	7.896773	0.582773	0.833939	0.69882	0.484664	0.981636	chr1	2.37E+08	2.37E+08	+		0	NA	intron (N	intron (N	-18916	NR_034040	1E+08	Hs. 677376	NR_034040	ENSG0000C	LGALS8-AS	-	LGALS8 ar	ncRNA
chr11-575	7.896773	0.582773	0.833939	0.69882	0.484664	0.981636	chr11	57558961	57560516	+		0	NA	intron (N	intron (N	7934	NM_004223	9246	Hs. 425777	NM_004223	ENSG0000C	UBE2L6	RIG-B|UBC	ubiquitir	protein-coding
chr3-1204	7.896773	0.582773	0.833939	0.69882	0.484664	0.981636	chr3	1.2E+08	1.2E+08	+		0	NA	intron (N	intron (N	22204	NM_007085	11167	Hs. 269512	NM_007085	ENSG0000C	FSTL1	FRP|FSL1|	follistat	protein-coding
chr6-1378	7.896773	0.582773	0.833939	0.69882	0.484664	0.981636	chr6	1.38E+08	1.38E+08	+		0	NA	intron (N	intron (N	-11200	NR_049793	1E+08	Hs. 598050	NR_049793	ENSG0000C	WAKMAR2	lnc-TNFAI	wound anc	ncRNA
chr1-9152	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	9152990	9153685	+		0	NA	intron (N	intron (N	-1560	NR_029610	407040		NR_029610	ENSG0000C	MIR34A	MIRN34A|m	microRNA	ncRNA
chr1-1563	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	15633324	15636912	+		0	NA	intron (N	AluJr|SIN	17660	NM_032341	84301	Hs. 718857	NM_032341	ENSG0000C	DDI2	-	DNA damag	protein-coding
chr1-5182	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	51825771	51826413	+		0	NA	intron (N	MLT1A0|LT	10310	NR_031580	1E+08		NR_031580	ENSG0000C	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-1539	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	1.54E+08	1.54E+08	+		0	NA	exon (NM_	exon (NM_	-5528	NM_014856	9909	Hs. 744878	NM_014856	ENSG0000C	DENND4B	KIAA0476	DENN doma	protein-coding
chr1-1602	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	-21577	NR_123725	729867	Hs. 674191	NR_123725	ENSG0000C	LOC729867	-	uncharact	ncRNA
chr1-2064	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	2.06E+08	2.06E+08	+		0	NA	intron (N	intron (N	-19285	NM_014002	9641	Hs. 321045	NM_014002	ENSG0000C	IKBKE	IKK-E|IKK	inhibitor	protein-coding

chr1-2284	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (	AluSg|SIN	5426	NM_00101	149603	Hs.356377	NM_00101	ENSG0000	RNF187	RACO-1|RA	ring fing	protein-coding
chr1-2351	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (	AluSq2|SI	-13459	NM_014765	9804	Hs.533192	NM_014765	ENSG0000	TOMM20	MAS20|MOM	transloca	protein-coding
chr10-114	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	Intergeni	AluSx1|SI	-11910	NR_120677	1.03E+08		NR_120677	ENSG0000	LINC02626	-	long inte	ncRNA
chr11-681	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr11	681838	689205	+	0	NA	intron (	AluSx|SIN	-10070	NM_001276	283232	Hs.448664	NM_174940	ENSG0000	TMEM80	-	transmemb	protein-coding
chr11-653	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr11	65394294	65398416	+	0	NA	intron (	intron (	9718	NM_001300	83786	Hs.578433	NM_031904	ENSG0000	FRMD8	FKSG44|iT	FERM doma	protein-coding
chr11-703	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr11	70338571	70340018	+	0	NA	exon (NM_	exon (NM_	55339	NR_031624	1E+08		NR_031624	ENSG0000	MIR548K	MIRN548K	microRNA	ncRNA
chr16-840	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr16	84066235	84069648	+	0	NA	intron (	intron (	-25784	NM_001080	146167		NM_001080	ENSG0000	SLC38A8	FVH2	solute ca	protein-coding
chr18-123	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr18	12340739	12344329	+	0	NA	intron (	L1ME1|LIN	34293	NM_001303	84617	Hs.193491	NM_032525	ENSG0000	TUBB6	FPVEPD|Hs	tubulin b	protein-coding
chr19-435	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr19	43551922	43552393	+	0	NA	exon (NM_	exon (NM_	18969	NM_174945	284346	Hs.213534	NM_174945	ENSG0000	ZNF575	-	zinc fing	protein-coding
chr19-444	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr19	44441632	44443077	+	0	NA	intron (	intron (	6118	NR_103551	7772	Hs.709348	NM_014518	ENSG0000	ZNF229	-	zinc fing	protein-coding
chr19-466	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr19	46678087	46704533	+	0	NA	intron (	intron (	18044	NR_036157	1E+08		NR_036157	ENSG0000	MIR320E	mir-320e	microRNA	ncRNA
chr20-325	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr20	3254660	3256245	+	0	NA	intron (	intron (	-16262	NM_001174	83959	Hs.105607	NM_032034	ENSG0000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr3-1237	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (	L2a|LINE|	37403	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG0000	MYLK-AS2	-	MYLK anti	ncRNA
chr9-1359	8.459925	0.561627	0.803849	0.698672	0.484757	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (	AluSx3|SI	24099	NM_016172	10422	Hs.9194	NM_016172	ENSG0000	UBAC1	GBDR1|KPC	UBA domai	protein-coding
chr16-885	10.63901	0.510133	0.730288	0.698536	0.484842	0.981636	chr16	88577508	88577735	+	0	NA	exon (NM_	exon (NM_	7218	NM_144604	124245	Hs.93670	NM_144604	ENSG0000	ZC3H18	NHN1	zinc fing	protein-coding
chr2-1123	10.63901	0.510133	0.730288	0.698536	0.484842	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (	AluJb|SIN	35973	NM_005054	84220	Hs.469630	NM_005054	ENSG0000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr5-7234	10.63901	0.510133	0.730288	0.698536	0.484842	0.981636	chr5	72343284	72343499	+	0	NA	intron (	intron (	23018	NM_001284	79810	Hs.126906	NM_024754	ENSG0000	PTCD2	-	pentatric	protein-coding
chr14-962	10.35789	-0.50961	0.729636	-0.69845	0.484895	0.981636	chr14	96261339	96265537	+	0	NA	intron (	MER58A|DN	7228	NM_000710	623	Hs.525572	NM_000710	ENSG0000	BDKRB1	B1BKR|B1F	bradykini	protein-coding
chr22-356	10.35789	-0.50961	0.729636	-0.69845	0.484895	0.981636	chr22	35655252	35660329	+	0	NA	intron (	intron (	9344	NM_030641	80830	Hs.257352	NM_030641	ENSG0000	APOL6	APOL-VI|A	apolipopr	protein-coding
chr3-1236	10.35789	-0.50961	0.729636	-0.69845	0.484895	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (	AluJo|SIN	5601	NM_053031	4638	Hs.477375	NM_005965	ENSG0000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr1-1199	7.691746	-0.59818	0.856466	-0.69842	0.484912	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	-67670	NM_021794	11085	Hs.283011	NM_021794	ENSG0000	ADAM30	svph4	ADAM meta	protein-coding
chr2-6077	7.691746	-0.59818	0.856466	-0.69842	0.484912	0.981636	chr2	60778130	60778509	+	0	NA	intron (	(ATTTT)n|	22051	NM_022894	64895	Hs.387471	NM_022894	ENSG0000	PAPOLG	-	poly(A) p	protein-coding
chr2-8746	12.61158	-0.47108	0.674897	-0.69801	0.485173	0.981636	chr2	87460331	87460703	+	0	NA	intron (	intron (	5090	NR_024206	112597	Hs.652166	NR_024204	ENSG0000	CYTOR	C2orf59|I	cytoskele	ncRNA
chr1-2209	8.168919	-0.57133	0.818752	-0.6978	0.485301	0.981636	chr1	22096960	22099427	+	0	NA	3’ UTR (	3’ UTR (	44904	NM_030761	54361	Hs.25766	NM_030761	ENSG0000	WNT4	SERKAL|WN	Wnt famil	protein-coding
chr2-3927	8.168919	-0.57133	0.818752	-0.6978	0.485301	0.981636	chr2	39274337	39275353	+	0	NA	intron (	MIR|SINE|	-30862	NR_144521	344387	Hs.403201	NM_001009	ENSG0000	CDKL4	-	cyclin de	protein-coding
chr2-1120	8.168919	-0.57133	0.818752	-0.6978	0.485301	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	5216	NM_032824	84910	Hs.656298	NM_032824	ENSG0000	TMEM87B	-	transmemb	protein-coding
chr4-6641	8.168919	-0.57133	0.818752	-0.6978	0.485301	0.981636	chr4	6641937	6643225	+	0	NA	3’ UTR (	3’ UTR (	2490	NM_001272	93621	Hs.406590	NM_033296	ENSG0000	MRFAP1	PAM14|PGR	Morf4 fam	protein-coding
chr1-1037	7.433467	0.61617	0.883048	0.697776	0.485317	0.981636	chr1	10375018	10375596	+	0	NA	exon (NM_	exon (NM_	-23757	NM_001304	5226	Hs.464071	NM_002631	ENSG0000	PGD	6PGD	phosphogl	protein-coding
chr17-456	7.433467	0.61617	0.883048	0.697776	0.485317	0.981636	chr17	45630622	45630843	+	0	NA	intron (	AluSz6|SI	8824	NM_001303	1.05E+08		NM_001256	ENSG0000	LINC02210	CRHR1-IT1	LINC02210	protein-coding
chr3-4708	11.20216	0.497862	0.713517	0.697758	0.485329	0.981636	chr3	47080204	47080981	+	0	NA	intron (	intron (	69050	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr1-1244	11.13559	0.493362	0.707076	0.69775	0.485334	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2902300	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-7789	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr1	77896731	77897830	+	0	NA	intron (	L1PA4|LIN	-7741	NR_103535	374987	Hs.632414	NM_199343	ENSG0000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr1-1561	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (	AluJb|SIN	2856	NM_170707	4000	Hs.594444	NM_005572	ENSG0000	LMNA	CDCD1|CDD	lamin A/C	protein-coding
chr10-740	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr10	74016950	74017389	+	0	NA	intron (	AluYa5|SI	19053	NM_003373	7414	Hs.643896	NM_003373	ENSG0000	VCL	CMD1W|CMH	vinculin	protein-coding
chr11-108	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr11	1.09E+08	1.09E+08	+	0	NA	intron (	AluSx|SIN	46417	NM_004398	1662	Hs.591931	NM_004398	ENSG0000	DDX10	Dbp4|HRH-	DEAD-box	protein-coding
chr17-826	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr17	82641421	82644364	+	0	NA	intron (	Charlie15	5552	NM_019613	56270	Hs.132161	NM_019613	ENSG0000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr2-2244	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (	L1ME1|LIN	74438	NM_001257	8452	Hs.372286	NM_003590	ENSG0000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr5-9347	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr5	93478937	93480256	+	0	NA	intron (	L1MB5|LIN	91747	NR_109825	441094	Hs.457407	NR_015369	ENSG0000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr6-1763	8.161061	-0.5698	0.817208	-0.69725	0.485643	0.981636	chr6	17631733	17632608	+	0	NA	intron (	AluSz6|SI	31868	NM_016255	51439	Hs.95260	NM_016255	ENSG0000	FAM8A1	AHCP	family wi	protein-coding
chr14-523	7.650607	-0.60161	0.863057	-0.69706	0.485762	0.981636	chr14	52317385	52317671	+	0	NA	intron (	MamRep187	3216	NM_000956	5732	Hs.2090	NM_000956	ENSG0000	PTGER2	EP2	prostagla	protein-coding
chr3-4771	7.650607	-0.60161	0.863057	-0.69706	0.485762	0.981636	chr3	47714106	47714368	+	0	NA	intron (	AluSx|SIN	-52543	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr8-1033	7.650607	-0.60161	0.863057	-0.69706	0.485762	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (	L1ME4b|LI	18200	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr2-1012	8.119921	-0.57297	0.82202	-0.69703	0.485785	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-1365	NR_003070	692205	Hs.656503	NR_003070	ENSG0000	SNORD89	HBII-289	small nuc	snoRNA
chr22-503	8.119921	-0.57297	0.82202	-0.69703	0.485785	0.981636	chr22	50352104	50352303	+	0	NA	intron (	AluSx1|SI	8876	NM_001351	9701	Hs.449098	NM_014678	ENSG0000	PPP6R2	KIAA0685|	protein p	protein-coding
chr5-3615	8.119921	-0.57297	0.82202	-0.69703	0.485785	0.981636	chr5	36154273	36155103	+	0	NA	intron (	AluJo|SIN	2577	NM_032637	6502	Hs.23348	NM_005983	ENSG0000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr8-4794	8.119921	-0.57297	0.82202	-0.69703	0.485785	0.981636	chr8	47949535	47950563	+	0	NA	intron (	AluSq2|SI	10087	NM_001081	5591	Hs.491682	NM_006904	ENSG0000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr1-3782	8.418785	0.56065	0.804395	0.696984	0.485813	0.981636	chr1	37821588	37823431	+	0	NA	exon (NM_	exon (NM_	-14301	NM_024640	79693	Hs.301564	NM_024640	ENSG0000	YRDC	DRIP3|IRI	yrdC N6-t	protein-coding
chr1-1459	8.418785	0.56065	0.804395	0.696984	0.485813	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	non-codir	non-codir	-1338	NM_001303	8515	Hs.158237	NM_003637	ENSG0000	ITGA10	PRO827	integrin	protein-coding
chr1-1761	8.418785	0.56065	0.804395	0.696984	0.485813	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (	L1MEf|LIN	48904	NM_001001	64326	Hs.523744	NM_022457	ENSG0000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr7-7450	8.418785	0.56065	0.804395	0.696984	0.485813	0.981636	chr7	74509826	74510031	+	0	NA	intron (	AluSc|SIN	56022	NM_016328	9569	Hs.647056	NM_005685	ENSG0000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr10-131	11.69875	0.482326	0.692282	0.696718	0.485979	0.981636	chr10	13111207	13114424	+	0	NA	intron (	intron (	12652	NM_001008	10133	Hs.332706	NM_021980	ENSG0000	OPTN	ALS12|FIP	optineuri	protein-coding
chr10-381	11.69875	0.482326	0.692282	0.696718	0.485979	0.981636	chr10	38113072	38119262	+	0	NA	TTS (NM_	TTS (NM_	21830	NM_001324	7587	Hs.292575	NM_003421	ENSG0000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chrX-1673	11.69875	0.482326	0.692282	0.696718	0.485979	0.981636	chrX	16735700	16737664	+	0	NA	intron (	AluSg|SIN	17070	NM_032796	94056	Hs.744256	NM_032796	ENSG0000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr9-6067	11.65761	0.481507	0.691192	0.696633	0.486032	0.981636	chr9	60673585	60674540	+	0	NA	Intergeni	ALR/Alpha	-240345	NM_001113	727905	Hs.645497	NM_001113	ENSG0000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr1-5282	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr1	52821173	52822542	+	0	NA	3’ UTR (	3’ UTR (	-20903	NM_001307	440590	Hs.658458	NM_001004	ENSG0000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr1-1454	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	Intergeni	Intergeni	-14609	NM_001278	1E+08	Hs.445080	NM_001278	ENSG0000	NBPF20	-	NBPF memb	protein-coding
chr1-1656	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (	intron (	29839	NM_001365	223	Hs.2533	NM_000696	ENSG0000	ALDH9A1	ALDH4|ALD	aldehyde	protein-coding
chr1-2352	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (	intron (	-48141	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr15-327	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr15	32730750	32731765	+	0	NA	3’ UTR (	3’ UTR (	-12392	NR_109767	1E+08	Hs.610545	NR_109767	ENSG0000	LOC100131	-	uncharact	ncRNA
chr15-514	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr15	51487176	51489434	+	0	NA	intron (	intron (	111059	NM_001330	342035	Hs.526441	NM_181789	ENSG0000	GLDN	CLOM|COLM	gliomedir	protein-coding
chr19-450	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr19	45040250	45045638	+	0	NA	intron (	Tigger4b|	3899	NM_001278	11129	Hs.466917	NM_007056	ENSG0000	CLASRP	CLASP|SFR	CLK4 assc	protein-coding
chr2-2302	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (	intron (	18843	NM_004509	3431	Hs.145150	NM_004509	ENSG0000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr21-176	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr21	17600145	17601202	+	0	NA	intron (	intron (	-11013	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG0000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr7-1071	8.426643	0.558762	0.802389	0.696373	0.486195	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (	intron (	19726	NM_012257	26959	Hs.162032	NM_012257	ENSG0000	HBP1	-	HMG-box t	protein-coding
chr1-6665	5.948513	-0.67199	0.965396	-0.69608	0.486382	0.981636	chr1	66657383	66658321	+	0	NA	intron (	intron (	29412	NR_036060	1E+08		NR_036060	ENSG0000	MIR3117	mir-3117	microRNA	ncRNA
chr15-636	5.948513	-0.67199	0.965396	-0.69608	0.486382	0.981636	chr15	63647191	63647661	+	0	NA	intron (	L1PB4|LIN	-46599	NR_034080	1E+08	Hs.631163	NR_034080	ENSG0000	USP3-AS1	-	USP3 anti	ncRNA
chr19-110	5.948513	-0.67199	0.965396	-0.69608	0.486382	0.981636	chr19	11046209	11046696	+	0	NA	intron (	Charlie9|	-42910	NM_000527	3949	Hs.213289	NM_000527	ENSG0000	LDLR	FH|FHC|LD	low densi	protein-coding
chr14-544	8.176777	-0.57285	0.823098	-0.69596	0.486452	0.981636	chr14	54479000	54479771	+	0	NA	intron (	intron (	9595	NM_004124	2764	Hs.151413	NM_004124	ENSG0000	GMFB	GMF	glia matu	protein-coding
chr16-216	8.176777	-0.57285	0.823098	-0.69596	0.486452	0.981636	chr16	21629728	21630144	+	0	NA	intron (	LTR12D|LT	22672	NM_005849	10261	Hs.530902	NM_005849	ENSG0000	IGSF6	DORA	immunoglo	protein-coding
chr2-1118	6.36698	-0.64573	0.928414	-0.69552	0.486731	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (	AluSz|SIN	22908	NM_022662	64682	Hs.436527	NM_022662	ENSG0000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr1-2782	6.400261	-0.63946	0.919557	-0.6954	0.486803	0.981636	chr1	27824761	27825155	+	0	NA	TTS (NM_1	TTS (NM_1	-5824	NM_002713	5511	Hs.533474	NM_002713	ENSG0000	PPP1R8	ARD-1|ARD	protein p	protein-coding
chr8-9451	6.400261	-0.63946	0.919557	-0.6954	0.486803	0.981636	chr8	94512496	94513181	+	0	NA	intron (	intron (	-37723	NM_001205	25788	Hs.30561	NM_006550	ENSG0000	RAD54B	RDH54	RAD54 hom	protein-coding
chr2-3655	7.617325	-0.60676	0.872959	-0.69506	0.487015	0.981636	chr2	36551575	36552547	+	0	NA	TTS (NM_	TTS (NM_	46107	NM_001042	9637	Hs.258563	NM_005102	ENSG0000	FEZ2	HUM3CL	fascicula	protein-coding
chr4-7677	10.35004	-0.50838	0.731415	-0.69506	0.487017	0.981636	chr4	76770531	76772143	+	0	NA	intron (	AluSx|SIN	126807	NM_001029	345079	Hs.257292	NM_001029	ENSG0000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr1-2143	11.64975	0.482896	0.694882	0.694933	0.487097	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (	intron (	95007	NM_020197	56950	Hs.66170	NM_020197	ENSG0000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr12-105	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr12	1057697	1058101	+	0	NA	intron (	intron (	30151	NM_001301	23085	Hs.601216	NM_178039	ENSG0000	ERC1	Cast2|ELK	ELKS/RAB6	protein-coding
chr14-100	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	101	NR_029889	442905		NR_029889	ENSG0000	MIR337	MIRN337|M	microRNA	ncRNA
chr15-709	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr15	70907007	70908045	+	0	NA	intron (	intron (	15083	NM_001363	54839	Hs.12692	NM_017691	ENSG0000	LRRC49	PGs4	leucine r	protein-coding
chr16-820	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr16	82078716	82079240	+	0	NA	intron (	L1MA3|LIN	43725	NM_002153	3294	Hs.162795	NM_002153	ENSG0000	HSD17B2	EDH17B2|H	hydroxyst	protein-coding
chr16-883	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr16	88398144	88398568	+	0	NA	Intergeni	Intergeni	-29115	NM_001367	84627	Hs.54925	NM_001127	ENSG0000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr17-171	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr17	17149842	17151334	+	0	NA	intron (	intron (	55745	NM_178836	201164	Hs.729079	NM_178836	ENSG0000	PLD6	ZUC	phospholi	protein-coding
chr2-5387	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr2	53878548	53879592	+	0	NA	intron (	MER11C|LT	-19037	NM_001164	1E+08	Hs.40763	NM_001164	ENSG0000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-5524	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr2	55244811	55245980	+	0	NA	intron (	AluSq|SIN	11231	NR_039624	1.01E+08		NR_039624	ENSG0000	MIR4426	-	microRNA	ncRNA
chr22-296	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr22	29660724	29661357	+	0	NA	intron (	intron (	57407	NM_181831	4771	Hs.187898	NM_000268	ENSG0000	NF2	ACN|BANF|	neurofibr	protein-coding
chr4-6865	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr4	6865114	6865527	+	0	NA	intron (	AluSz|SIN	-44124	NM_001113	57533	Hs.518611	NM_020773	ENSG0000	TBC1D14	-	TBC1 doma	protein-coding
chr4-1684	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (	L1MA3|LIN	65575	NM_001291	91351	Hs.535011	NM_001012	ENSG0000	DDX60L	-	DExD/H-bo	protein-coding
chr8-7685	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr8	76853211	76854128	+	0	NA	exon (NM_	exon (NM_	113181	NR_130460	1E+08		NR_130460	ENSG0000	MIR3149	-	microRNA	ncRNA
chr8-1034	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (	AluSx|SIN	14991	NM_015420	25879	Hs.532265	NM_015420	ENSG0000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr9-2093	6.392403	-0.63752	0.917513	-0.69483	0.48716	0.981636	chr9	20933416	20933844	+	0	NA	intron (	L1PB1|LIN	98010	NM_001010	401494	Hs.716678	NM_001010	ENSG0000	HACD4	PTPLAD2	3-hydroxy	protein-coding
chr12-501	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr12	50182997	50184912	+	0	NA	intron (	intron (	-16421	NM_001281	91012	Hs.270525	NM_147190	ENSG0000	CERS5	LASS5|Trh	ceramide	protein-coding
chr15-588	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr15	58877463	58879615	+	0	NA	TTS (NR_1	TTS (NR_1	55140	NR_135042	79811	Hs.512932	NM_017968	ENSG0000	SLTM	Met	SAFB like	protein-coding
chr17-311	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr17	31156726	31157532	+	0	NA	intron (	AluSx|SIN	62152	NM_001128	4763	Hs.113577	NM_000267	ENSG0000	NF1	NFNS|VRNF	neurofibr	protein-coding
chr20-454	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr20	45420823	45422577	+	0	NA	intron (	intron (	-3810	NR_106870	1.02E+08		NR_106870	ENSG0000	MIR6812	hsa-mir-6	microRNA	ncRNA
chr3-1505	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	21263	NM_032025	83939	Hs.655782	NM_032025	ENSG0000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr4-8852	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr4	88520354	88521571	+	0	NA	TTS (NM_	TTS (NM_	2814	NM_032906	1.01E+08	Hs.26136	NM_032906	ENSG0000	PYURF	PREY	PIGY upst	protein-coding
chr4-1187	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (	intron (	73485	NM_014822	9871	Hs.189641	NM_014822	ENSG0000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1316	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	TTS (NM_	TTS (NM_	-42255	NM_001164	51735	Hs.483329	NM_016340	ENSG0000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr5-1461	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (	AluSq2|SI	-36376	NM_001029	153770	Hs.162369	NM_001029	ENSG0000	PLAC8L1	-	PLAC8 lik	protein-coding
chr6-1109	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (	AluJb|SIN	11003	NM_032194	84154	Hs.372265	NM_032194	ENSG0000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr8-4801	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr8	48018987	48019780	+	0	NA	intron (	AluSx1|SI	10952	NM_003350	7336	Hs.491695	NM_003350	ENSG0000	UBE2V2	DDVIT1|DD	ubiquitir	protein-coding
chr8-6657	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr8	66578122	66580042	+	0	NA	intron (	L1PA3|LIN	34136	NM_001080	4603	Hs.445898	NM_001080	ENSG0000	MYBL1	A-MYB|AMY	MYB protc	protein-coding
chr9-3621	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr9	36215721	36217377	+	0	NA	3’ UTR (	3’ UTR (	25628	NM_001184	1211	Hs.522114	NM_001833	ENSG0000	CLTA	LCA	clathrin	protein-coding
chr9-1114	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (	AluSq2|SI	58433	NM_001364	23392	Hs.368255	NM_001080	ENSG0000	ECPAS	ECM29|KIA	Ecm29 prc	protein-coding
chrX-5290	8.153203	-0.56825	0.818425	-0.69432	0.487479	0.981636	chrX	52907757	52908211	+	0	NA	3’ UTR (	3’ UTR (	8925	NM_001099	727866	Hs.6451	NM_001099	ENSG0000	FAM156B	TMEM29B	family wi	protein-coding
chr6-8318	9.921861	-0.52453	0.755592	-0.6942	0.487557	0.981636	chr6	83186193	83187024	+	0	NA	intron (	intron (	6657	NM_001199	5238	Hs.661665	NM_015599	ENSG0000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr2-3051	12.62915	-0.46595	0.671556	-0.69383	0.487786	0.981636	chr2	30519470	30519887	+	0	NA	intron (	LTR17|LTR	72432	NM_001304	253558	Hs.468048	NM_182551	ENSG0000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr10-435	7.492172	0.62472	0.900398	0.693826	0.487791	0.981636	chr10	43556674	43557108	+	0	NA	exon (NM_	exon (NM_	11568	NM_005674	8187	Hs.25040	NM_005674	ENSG0000	ZNF239	HOK-2|MOK	zinc fing	protein-coding
chr13-272	8.410927	0.562564	0.810876	0.693773	0.487824	0.981636	chr13	27273006	27274150	+	0	NA	3’ UTR (	3’ UTR (	2401	NM_001331	387496	Hs.192131	NM_206827	ENSG0000	RASL11A	-	RAS like	protein-coding
chr20-271	18.62028	0.392395	0.565661	0.693693	0.487875	0.981636	chr20	27181500	27182271	+	0	NA	Intergeni	ALR/Alpha	-972652	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr1-2294	7.366904	0.609789	0.879418	0.693401	0.488058	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (	AluSx3|SI	26665	NM_018230	55746	Hs.12457	NM_018230	ENSG0000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr10-431	8.08664	-0.5778	0.833441	-0.69327	0.488139	0.981636	chr10	43162464	43162796	+	0	NA	intron (	intron (	7733	NM_001319	55454	Hs.657569	NM_018590	ENSG0000	CSGALNACT	CHGN2|ChG	chondroit	protein-coding
chr12-596	8.428493	0.569422	0.82143	0.693209	0.488179	0.981636	chr12	59610873	59611250	+	0	NA	intron (	MLT1A0|LT	15032	NM_001270	9194	Hs.88156	NM_004731	ENSG0000	SLC16A7	MCT2	solute ca	protein-coding
chr15-784	8.061216	-0.58439	0.843168	-0.69309	0.488256	0.981636	chr15	78480133	78480474	+	0	NA	intron (	intron (	-27261	NM_001083	123688	Hs.307962	NM_001013	ENSG0000	HYKK	AGPHD1	hydroxyly	protein-coding
chr17-391	8.061216	-0.58439	0.843168	-0.69309	0.488256	0.981636	chr17	39179892	39180181	+	0	NA	intron (	AluSq|SIN	-13875	NM_001143	390790	Hs.568007	NM_001143	ENSG0000	ARL5C	ARL12	ADP ribos	protein-coding
chr17-815	8.061216	-0.58439	0.843168	-0.69309	0.488256	0.981636	chr17	81582893	81583092	+	0	NA	intron (	intron (	-5559	NR_130139	55666	Hs.464333	NM_017921	ENSG0000	NPLOC4	NPL4	NPL4 homc	protein-coding
chr12-120	6.408119	-0.64147	0.925585	-0.69305	0.488281	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (	L1MA9|LIN	-4235	NM_025157	5829	Hs.446336	NM_002859	ENSG0000	PXN	-	paxillin	protein-coding
chr15-944	5.236819	0.735592	1.061801	0.692777	0.488449	0.981636	chr15	94408874	94409718	+	0	NA	intron (	MLT2A1|LT	53366	NM_001159	55784	Hs.33368	NM_018349	ENSG0000	MCTP2	-	multiple	protein-coding
chr3-1461	7.18915	-0.63517	0.917379	-0.69238	0.488701	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (	L1PA17|LI	33838	NM_182943	5352	Hs.477866	NM_000935	ENSG0000	PLOD2	BRKS2|LH2	procollag	protein-coding
chr14-347	10.39903	-0.50717	0.732624	-0.69226	0.488774	0.981636	chr14	34797144	34799807	+	0	NA	intron (	L1P2|LINE	-75716	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr16-160	10.39903	-0.50717	0.732624	-0.69226	0.488774	0.981636	chr16	16068168	16068939	+	0	NA	intron (	intron (	118937	NM_004996	4363	Hs.391464	NM_004996	ENSG0000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr1-2030	11.67332	0.478771	0.691625	0.692241	0.488786	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	non-codir	non-codir	8341	NR_146289	92703	Hs.497443	NM_138391	ENSG0000	TMEM183A	C1orf37	transmemb	protein-coding
chr1-2754	7.904631	0.580633	0.838989	0.692062	0.488898	0.981636	chr1	27549641	27549999	+	0	NA	exon (NM_	exon (NM_	53674	NM_001029	27245	Hs.469280	NM_001029	ENSG0000	AHDC1	MRD25	AT-hook D	protein-coding
chr20-622	7.904631	0.580633	0.838989	0.692062	0.488898	0.981636	chr20	62294826	62295471	+	0	NA	3’ UTR (	3’ UTR (	-7748	NM_175573	11047	Hs.90107	NM_007002	ENSG0000	ADRM1	ARM-1|ARM	adhesion	protein-coding

chr3-4898	7.904631	0.580633	0.838989	0.692062	0.488898	0.981636	chr3	48981441	48982128	+	0	NA	intron (	intron (	-8124	NM_177938	54681	Hs.654944	NM_017732	ENSG0000	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr11-591	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr11	59182496	59182939	+	0	NA	intron (	MIRb|SINE	10585	NM_015177	23220	Hs.523696	NM_015177	ENSG0000	DTX4	RNF155	deltex E3	protein-coding
chr17-738	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr17	7389387	7392968	+	0	NA	intron (	intron (	3348	NM_001201	57048	Hs.534591	NM_020360	ENSG0000	PLSCR3	-	phospholi	protein-coding
chr17-812	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr17	81269150	81270215	+	0	NA	intron (	L1ME3A|LI	25625	NM_001037	124565	Hs.352240	NM_138570	ENSG0000	SLC38A10	PP1744	solute ca	protein-coding
chr2-4225	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr2	42258678	42259109	+	0	NA	intron (	intron (	-88662	NR_110584	1.03E+08	Hs.639826	NR_110584		LOC102723	-	uncharact	ncRNA
chr22-394	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr22	39432176	39432438	+	0	NA	TTS (NM_	TTS (NM_	147	NR_040535	1.01E+08	Hs.729080	NR_040535		LOC100506	-	uncharact	ncRNA
chr3-1125	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (	L2a|LINE|	-13587	NM_001348	55032	Hs.237480	NM_017945	ENSG0000	SLC35A5	-	solute ca	protein-coding
chr3-1567	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (	intron (	26714	NM_001184	25976	Hs.744050	NM_015508	ENSG0000	TIPARP	ARTD14|PA	TCDD indu	protein-coding
chr5-3483	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr5	34832644	34833175	+	0	NA	TTS (NM_	TTS (NM_	-6255	NM_144725	153657	Hs.435742	NM_144725	ENSG0000	TTC23L	MC25-1	tetratric	protein-coding
chr6-1776	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr6	17763191	17765253	+	0	NA	exon (NM_	exon (NM_	57179	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG0000	LOC105374	-	uncharact	ncRNA
chr6-4367	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr6	43676858	43677425	+	0	NA	intron (	intron (	10671	NM_018135	55168	Hs.520149	NM_018135	ENSG0000	MRPS18A	HumanS18b	mitochonc	protein-coding
chr8-3070	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr8	30701938	30709747	+	0	NA	intron (	intron (	22004	NM_000637	2936	Hs.271510	NM_000637	ENSG0000	GSR	GR|HEL-75	glutathic	protein-coding
chr9-9205	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr9	92054189	92055341	+	0	NA	intron (	AluSc|SIN	60648	NM_006415	10558	Hs.90458	NM_006415	ENSG0000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1163	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr9	1.16E+08	1.16E+08	+	0	NA	TTS (NR_1	TTS (NR_1	3261	NR_103711	493913	Hs.728832	NR_103711	ENSG0000	PAPPA-AS1	DIPAS|NCR	PAPPA ant	ncRNA
chr9-1252	8.434501	0.556857	0.804711	0.691996	0.48894	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (	MIR|SINE|	6595	NM_001174	10244	Hs.19012	NM_005833	ENSG0000	RABEPK	RAB9P40|b	Rab9 effe	protein-coding
chr13-513	10.57429	0.51378	0.742648	0.691821	0.48905	0.981636	chr13	51381784	51382124	+	0	NA	intron (	AluSq4|SI	-33315	NR_049878	1.01E+08		NR_049878	ENSG0000	MIR5693	-	microRNA	ncRNA
chr1-1502	7.937913	0.5836	0.843632	0.691771	0.489081	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	TTS (NR_	TTS (NR_	2994	NR_145745	1.1E+08		NR_145745		SNORD13C	-	small nuc	snoRNA
chr11-663	7.937913	0.5836	0.843632	0.691771	0.489081	0.981636	chr11	66341723	66341973	+	0	NA	intron (	(TGTGCA)r	3256	NM_001024	25855	Hs.100426	NM_015399	ENSG0000	BRMS1	-	BRMS1 tra	protein-coding
chr5-1698	2.941067	-0.94376	1.364786	-0.69151	0.489248	0.981636	chr5	1.7E+08	1.7E+08	+	0	NA	intron (	MER113|DN	102118	NM_001346	1E+08	Hs.721917	NM_001129	ENSG0000	INSYN2B	C5orf57|I	inhibitor	protein-coding
chr16-294	7.683889	-0.59634	0.862492	-0.69142	0.489301	0.981636	chr16	29430450	29431154	+	0	NA	intron (	intron (	16224	NR_135312	1E+08	Hs.552700	NR_135312	ENSG0000	SMG1P6	-	SMG1 pseu	pseudo
chr1-2804	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr1	28040821	28041020	+	0	NA	intron (	L2|LINE|L	47690	NM_001282	2140	Hs.185774	NM_001990	ENSG0000	EYA3	-	EYA trans	protein-coding
chr1-5654	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr1	56545508	56547371	+	0	NA	intron (	intron (	33124	NM_003713	8613	Hs.405156	NM_003713	ENSG0000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr11-902	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr11	90209578	90210893	+	0	NA	intron (	L2a|LINE|	12814	NM_012124	26973	Hs.22857	NM_012124	ENSG0000	CHORDC1	CHP1	cysteine	protein-coding
chr12-486	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr12	48679954	48680912	+	0	NA	intron (	AluJr4|SI	1805	NM_017822	54934	Hs.505412	NM_017822	ENSG0000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr2-5497	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr2	54979263	54979665	+	0	NA	intron (	intron (	30808	NM_007008	57142	Hs.637850	NM_007008	ENSG0000	RTN4	ASY|NI220	reticulor	protein-coding
chr2-1281	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	69732	NR_027671	56886	Hs.743306	NM_020120	ENSG0000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr20-198	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr20	19853247	19853857	+	0	NA	Intergeni	L1PA5|LIN	-32969	NM_001242	54453	Hs.472270	NM_018993	ENSG0000	RIN2	MACS|RASS	Ras and F	protein-coding
chr20-492	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr20	49245361	49246912	+	0	NA	3' UTR (	3' UTR (	26841	NM_017895	55661	Hs.65234	NM_017895	ENSG0000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr3-5816	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr3	58167113	58169255	+	0	NA	intron (	intron (	2451	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG0000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1865	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (	intron (	12312	NM_016306	51726	Hs.317192	NM_016306	ENSG0000	DNAJB11	ABBP-2|AE	DnaJ heat	protein-coding
chr4-4745	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr4	47453001	47453402	+	0	NA	exon (NM_	exon (NM_	10501	NM_017845	54951	Hs.23956	NM_017845	ENSG0000	COMMD8	-	COMM doma	protein-coding
chr5-3120	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr5	31208696	31209108	+	0	NA	intron (	MamRTE1|L	15216	NM_004932	1004	Hs.124776	NM_004932	ENSG0000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr5-4314	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr5	43145150	43145517	+	0	NA	intron (	intron (	23768	NM_001330	7690	Hs.535804	NM_003432	ENSG0000	ZNF131	ZBTB35|pH	zinc fing	protein-coding
chr5-1730	6.384545	-0.63561	0.919361	-0.69137	0.489336	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	Intergeni	MIRc|SINE	15947	NR_002988	677841	Hs.692720	NR_002988	ENSG0000	SNORA74B	U19-2	small nuc	snoRNA
chr12-450	4.64917	-0.74589	1.078962	-0.69131	0.489373	0.981636	chr12	4503996	4504599	+	0	NA	intron (	intron (	34172	NM_020374	57102	Hs.302977	NM_020374	ENSG0000	C12orf4	-	chromosom	protein-coding
chr14-495	10.38332	-0.50471	0.730244	-0.69115	0.489469	0.981636	chr14	49583055	49584736	+	0	NA	intron (	intron (	2485	NM_001030	6235	Hs.156367	NM_001032	ENSG0000	RPS29	DBA13|S29	ribosomal	protein-coding
chr7-7418	10.38332	-0.50471	0.730244	-0.69115	0.489469	0.981636	chr7	74181682	74181942	+	0	NA	intron (	AluSg4|SI	7456	NM_031992	7458	Hs.520943	NM_022170	ENSG0000	EIF4H	WBSCR1|WS	eukaryoti	protein-coding
chr1-9262	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr1	9262237	9262963	+	0	NA	intron (	intron (	22753	NM_001282	9563	Hs.463511	NM_004285	ENSG0000	H6PD	CORTRD1|C	hexose-6-	protein-coding
chr11-617	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr11	61785686	61786746	+	0	NA	3' UTR (	3' UTR (	6345	NR_030342	693196		NR_030342	ENSG0000	MIR611	MIRN611|h	microRNA	ncRNA
chr11-648	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr11	64897857	64898871	+	0	NA	promoter-	promoter-	73	NR_106808	1.02E+08		NR_106808	ENSG0000	MIR6750	hsa-mir-6	microRNA	ncRNA
chr11-674	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr11	67495257	67496509	+	0	NA	intron (	intron (	5638	NR_106810	1.02E+08		NR_106810	ENSG0000	MIR6752	hsa-mir-6	microRNA	ncRNA
chr11-684	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr11	68410514	68412142	+	0	NA	intron (	intron (	-49424	NM_001352	55291	Hs.503022	NM_018312	ENSG0000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-496	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr12	49655958	49657814	+	0	NA	exon (NM_	exon (NM_	26342	NM_001363	25766	Hs.706827	NM_012272	ENSG0000	PRPF40B	HYPC	pre-mRNA	protein-coding
chr12-520	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr12	52011436	52014955	+	0	NA	intron (	AluY|SINE	2703	NM_001271	160622	Hs.407202	NM_181711	ENSG0000	GRASP	TAMALIN	general r	protein-coding
chr12-124	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (	L2a|LINE|	18385	NM_032656	57647	Hs.107382	NM_032656	ENSG0000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr14-105	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	-18573	NR_073082	1397	Hs.534309	NM_001312	ENSG0000	CRIP2	CRIP|CRP2	cysteine	protein-coding
chr15-509	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr15	50974288	50975359	+	0	NA	intron (	L1MB1|LIN	30694	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr15-718	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr15	71846173	71847355	+	0	NA	intron (	intron (	36210	NM_014249	10002	Hs.187354	NM_014249	ENSG0000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr20-185	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr20	18569984	18570536	+	0	NA	TTS (NM_	TTS (NM_	2840	NM_001348	388789	Hs.349092	NM_001348	ENSG0000	SMIM26	LINC00493	small int	protein-coding
chr20-501	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr20	50199462	50199835	+	0	NA	Intergeni	MLT1J|LTR	-7579	NR_125739	1.02E+08	Hs.442486	NR_125739	ENSG0000	CEBPB-AS1	-	CEBPB ant	ncRNA
chr22-428	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr22	42870401	42871643	+	0	NA	3' UTR (	3' UTR (	-13749	NM_001142	26286	Hs.685225	NM_014570	ENSG0000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-3813	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr3	38133267	38134092	+	0	NA	intron (	intron (	3448	NM_001607	30	Hs.643487	NM_001607	ENSG0000	ACAA1	ACAA|PTHI	acetyl-Co	protein-coding
chr4-3521	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr4	3521493	3524478	+	0	NA	intron (	intron (	9164	NR_110005	4043	Hs.40966	NM_002337	ENSG0000	LRPAP1	A2MRAP|A2	LDL recep	protein-coding
chr6-3747	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr6	37471235	37471947	+	0	NA	intron (	intron (	28302	NM_138493	154467	Hs.284207	NM_138493	ENSG0000	CCDC167	C6orf129|	coiled-co	protein-coding
chr9-9507	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr9	95078580	95079160	+	0	NA	intron (	intron (	-6338	NR_029664	407011		NR_029664	ENSG0000	MIR23B	MIRN23B|h	microRNA	ncRNA
chr9-1283	5.707984	0.675242	0.977032	0.691116	0.489492	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-3169	NR_039815	1.01E+08		NR_039815	ENSG0000	MIR219B	MIR2964A|	microRNA	ncRNA
chr11-119	5.666844	0.674129	0.975544	0.691029	0.489547	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (	AluSq|SIN	6738	NM_001351	25988	Hs.504091	NM_015517	ENSG0000	HINFP	HiNF-P|MI	histone H	protein-coding
chr15-408	5.666844	0.674129	0.975544	0.691029	0.489547	0.981636	chr15	40813579	40814045	+	0	NA	intron (	intron (	-6339	NM_018163	55192	Hs.511069	NM_018163	ENSG0000	DNAJC17	-	DnaJ heat	protein-coding
chr22-207	5.666844	0.674129	0.975544	0.691029	0.489547	0.981636	chr22	20751187	20753137	+	0	NA	intron (	intron (	-21951	NM_000185	3053	Hs.474270	NM_000185	ENSG0000	SERPIND1	D22S673|H	serpin fa	protein-coding
chr4-8116	5.666844	0.674129	0.975544	0.691029	0.489547	0.981636	chr4	81162546	81163138	+	0	NA	intron (	intron (	-2098	NR_125908	1.02E+08	Hs.664002	NR_125908	ENSG0000	LOC101928	-	uncharact	ncRNA
chr19-439	15.42445	0.423195	0.612465	0.690971	0.489584	0.981636	chr19	43962127	43970552	+	0	NA	exon (NM_	exon (NM_	15094	NM_013359	7638	Hs.631598	NM_013359	ENSG0000	ZNF221	-	zinc fing	protein-coding
chr10-124	6.247561	0.646066	0.935416	0.690672	0.489772	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	6262	NM_032182	23172	Hs.280695	NM_032182	ENSG0000	ABRAXAS2	ABRO1|FAM	abraxas 2	protein-coding
chr16-885	6.255419	0.643411	0.931722	0.690561	0.489841	0.981636	chr16	88582826	88583303	+	0	NA	intron (	intron (	12661	NM_144604	124245	Hs.93670	NM_144604	ENSG0000	ZC3H18	NHN1	zinc fing	protein-coding
chrX-4511	6.255419	0.643411	0.931722	0.690561	0.489841	0.981636	chrX	45111332	45112138	+	0	NA	non-codir	non-codir	89141	NM_176819	79742	Hs.98321	NM_024689	ENSG0000	DIPK2B	4930578C1	divergent	protein-coding
chr1-2238	8.467783	0.559708	0.810644	0.690449	0.489912	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (	L2c|LINE|	32780	NM_001031	7159	Hs.523968	NM_005426	ENSG0000	TP53BP2	53BP2|ASP	tumor prc	protein-coding
chr2-1745	8.467783	0.559708	0.810644	0.690449	0.489912	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (	intron (	-13561	NR_104084	1.02E+08		NR_104084	ENSG0000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr9-1048	8.467783	0.559708	0.810644	0.690449	0.489912	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (	L1MD2|LIN	59124	NR_130760	55335	Hs.429294	NM_018376	ENSG0000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr9-1284	5.907373	-0.67647	0.97978	-0.69043	0.489922	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	-11133	NM_001003	2733	Hs.522418	NM_001499	ENSG0000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chrX-6369	5.907373	-0.67647	0.97978	-0.69043	0.489922	0.981636	chrX	63696740	63697138	+	0	NA	intron (	intron (	-25437	NR_138419	1.01E+08	Hs.671524	NR_138419	ENSG0000	ARHGEF9-I	-	ARHGEF9 i	ncRNA
chr1-1513	11.63218	0.477954	0.692298	0.690388	0.48995	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	8656	NM_001330	5298	Hs.632465	NM_002651	ENSG0000	PI4KB	NPIK|PI4K	phosphati	protein-coding
chr19-422	6.341556	-0.65452	0.94848	-0.69007	0.490151	0.981636	chr19	42238837	42239254	+	0	NA	intron (	intron (	3557	NM_019884	2931	Hs.466828	NM_019884	ENSG0000	GSK3A	-	glycogen	protein-coding
chr13-110	10.40689	-0.50839	0.736821	-0.68998	0.490208	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (	LTR12C|LT	16655	NM_018210	55739	Hs.408324	NM_018210	ENSG0000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr2-2247	4.682451	-0.73722	1.068689	-0.68983	0.490298	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (	intron (	160227	NM_001290	55619	Hs.46578	NM_014689	ENSG0000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr22-382	4.682451	-0.73722	1.068689	-0.68983	0.490298	0.981636	chr22	38288966	38289832	+	0	NA	Intergeni	AluJb|SIN	-16389	NM_001195	25829	Hs.182626	NM_012264	ENSG0000	TMEM184B	C22orf5|F	transmemb	protein-coding
chr2-2349	10.34218	-0.50713	0.735214	-0.68977	0.490339	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (	intron (	4513	NM_001371302								
chr7-1286	10.34218	-0.50713	0.735214	-0.68977	0.490339	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	L1PA4|LIN	-24520	NR_024368	402483	Hs.722350	NM_001039682		LINC0100C	-	long inte	ncRNA
chr2-3250	11.64004	0.476589	0.691225	0.689484	0.490519	0.981636	chr2	32509371	32510881	+	0	NA	intron (	intron (	-22027	NR_030285	693143		NR_030285	ENSG0000	MIR558	MIRN558|h	microRNA	ncRNA
chr12-881	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr12	88133354	88135560	+	0	NA	intron (	L2c|LINE|	7759	NM_025114	80184	Hs.150444	NM_025114	ENSG0000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr15-349	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr15	34946747	34947918	+	0	NA	intron (	SVA_D|Ret	22410	NM_014691	9716	Hs.510958	NM_014691	ENSG0000	AQR	IBP160|fS	aquarius	protein-coding
chr19-373	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr19	37344561	37344963	+	0	NA	exon (NM_	exon (NM_	10113	NM_001329	284459	Hs.640243	NM_181786	ENSG0000	ZNF875	HKR1	zinc fing	protein-coding
chr20-198	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr20	19804122	19805978	+	0	NA	Intergeni	MIR|SINE|	-81471	NM_001242	54453	Hs.472270	NM_018993	ENSG0000	RIN2	MACS|RASS	Ras and F	protein-coding
chr3-9807	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr3	9807092	9807742	+	0	NA	TTS (NM_	TTS (NM_	-2498	NM_001025	26140	Hs.726435	NM_015644	ENSG0000	TTLL3	HOTTL	tubulin t	protein-coding
chr3-6410	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr3	64107168	64107665	+	0	NA	intron (	intron (	3946	NR_046701	1.01E+08	Hs.668874	NR_046701		PRICKLE2-	-	PRICKLE2	ncRNA
chr8-2305	6.425685	-0.63147	0.916008	-0.68937	0.490591	0.981636	chr8	23052696	23053199	+	0	NA	intron (	PABL_A-ir	-15282	NR_038873	286059	Hs.306673	NR_038873	ENSG0000	LOC286059	-	TNF recep	pseudo
chr10-246	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr10	24611132	24613759	+	0	NA	intron (	intron (	10398	NM_001367	57584	Hs.524195	NM_020824	ENSG0000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr10-908	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr10	90891532	90892428	+	0	NA	intron (	intron (	20006	NM_001104	10556	Hs.139120	NM_006413	ENSG0000	RPP30	TSG15	ribonucle	protein-coding
chr13-771	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr13	77142600	77143306	+	0	NA	intron (	Tigger4a|	67439	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG0000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr13-110	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	23268	NR_107040	1.02E+08		NR_107040	ENSG0000	MIR8073	hsa-mir-8	microRNA	ncRNA
chr15-523	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr15	52317265	52317680	+	0	NA	intron (	intron (	-21668	NM_018728	55930	Hs.487036	NM_018728	ENSG0000	MYO5C	-	myosin VC	protein-coding
chr17-263	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr17	2635778	2637526	+	0	NA	intron (	AluSz|SIN	42998	NM_000430	5048	Hs.77318	NM_000430	ENSG0000	PAFAH1B1	LIS1|LIS2	platelet	protein-coding
chr2-2370	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr2	23705433	23706184	+	0	NA	intron (	intron (	221315	NM_017552	54454	Hs.467862	NM_017552	ENSG0000	ATAD2B	-	ATPase fa	protein-coding
chr2-1358	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (	L1MB4|LIN	11712	NM_005915	4175	Hs.444118	NM_005915	ENSG0000	MCM6	MCG40308|	minichrom	protein-coding
chr20-323	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr20	32392429	32393726	+	0	NA	intron (	L1MEc|LIN	34012	NM_001363	171023	Hs.374043	NM_015338	ENSG0000	ASXL1	BOPS|MDS	ASXL tran	protein-coding
chr20-389	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr20	38977605	38978257	+	0	NA	intron (	(TCA)n|Si	15587	NM_001190	60625	Hs.444520	NM_021931	ENSG0000	DHX35	C20orf15|	DEAH-box	protein-coding
chr3-1336	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (	intron (	34277	NM_001363	11073	Hs.593379	NM_007027	ENSG0000	TOPBP1	Dpb11|TOP	DNA topoi	protein-coding
chr7-1406	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	11164	NM_001362	27147	Hs.6385	NM_015689	ENSG0000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr9-2792	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr9	2792869	2794644	+	0	NA	Intergeni	Intergeni	50339	NM_014878	9933	Hs.493309	NM_014878	ENSG0000	PUM3	HA-8|HLA-	pumilio F	protein-coding
chr9-1368	4.674593	-0.73464	1.06571	-0.68935	0.490605	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (	intron (	-4270	NM_001080	389813		NM_001080	ENSG0000	AJM1	C9orf172|	apical ju	protein-coding
chr2-2032	8.112063	-0.5714	0.828984	-0.68927	0.490651	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (	AluSp|SIN	-33943	NM_001282	10152	Hs.471156	NM_005759	ENSG0000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr3-1277	8.112063	-0.5714	0.828984	-0.68927	0.490651	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (	L1PA16|LI	27887	NM_007283	11343	Hs.277035	NM_007283	ENSG0000	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr3-1281	8.112063	-0.5714	0.828984	-0.68927	0.490651	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (	Tigger1|D	-3506	NM_001319	8607	Hs.272822	NM_003707	ENSG0000	RUVBL1	ECP-54|EC	RuvB like	protein-coding
chr3-1946	8.112063	-0.5714	0.828984	-0.68927	0.490651	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	3' UTR (	3' UTR (	-8449	NM_001166	93109	Hs.478729	NM_138399	ENSG0000	TMEM44	-	transmemb	protein-coding
chr7-7547	8.112063	-0.5714	0.828984	-0.68927	0.490651	0.981636	chr7	75477924	75478474	+	0	NA	intron (	AluSg|SIN	8100	NR_160303	1E+08	Hs.712563	NM_001099	ENSG0000	POM121C	POM121-2	POM121 tr	protein-coding
chr5-1772	12.13626	-0.47603	0.690901	-0.689	0.49082	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	L1MC5|LIN	66924	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, me	protein-coding
chr16-845	8.145345	-0.56666	0.822449	-0.68899	0.490827	0.981636	chr16	84586742	84587223	+	0	NA	intron (	intron (	31096	NM_021149	23406	Hs.289092	NM_021149	ENSG0000	COTL1	CLP	coactosir	protein-coding
chr2-2913	8.145345	-0.56666	0.822449	-0.68899	0.490827	0.981636	chr2	29131854	29132053	+	0	NA	intron (	intron (	16538	NM_001287	79745	Hs.122927	NM_024692	ENSG0000	CLIP4	RSNL2	CAP-Gly c	protein-coding
chr2-8615	8.145345	-0.56666	0.822449	-0.68899	0.490827	0.981636	chr2	86158106	86159240	+	0	NA	exon (NM_	exon (NM_	22803	NR_004378	692225	Hs.723087	NR_004378	ENSG0000	SNORD94	U94	small nuc	snoRNA
chr5-6236	8.145345	-0.56666	0.822449	-0.68899	0.490827	0.981636	chr5	62361252	62362104	+	0	NA	intron (	intron (	42227	NM_001348	27292	Hs.731665	NM_014473	ENSG0000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-1518	8.145345	-0.56666	0.822449	-0.68899	0.490827	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	3' UTR (	3' UTR (	-38154	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA
chr1-1853	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (	intron (	13406	NM_006469	10625	Hs.497183	NM_006469	ENSG0000	IVNS1ABP	ARA3|FLAF	influenza	protein-coding
chr12-106	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (	L1PA11|LI	-9276	NM_025198	80298	Hs.5009	NM_025198	ENSG0000	MTERF2	MTERFD3|m	mitochonc	protein-coding
chr13-235	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr13	23599038	23601504	+	0	NA	intron (	L1MC1|LIN	20911	NM_018647	55504	Hs.149168	NM_018647	ENSG0000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr13-757	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr13	75727498	75731999	+	0	NA	intron (	L1PA3|LIN	-30572	NM_001366	4008	Hs.207631	NM_005358	ENSG0000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr14-516	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr14	51656325	51659710	+	0	NA	intron (	intron (	6107	NM_152330	122786	Hs.434914	NM_152330	ENSG0000	FRMD6	C14orf31|	FERM doma	protein-coding
chr15-506	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr15	50660637	50662693	+	0	NA	intron (	intron (	25132	NR_149154	54822	Hs.512894	NM_017672	ENSG0000	TRPM7	ALSPDC|CH	transient	protein-coding
chr16-243	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr16	2432981	2434196	+	0	NA	intron (	AluSc5|SI	4141	NM_001761	899	Hs.1973	NM_001761	ENSG0000	CCNF	FBX1|FBXC	cyclin F	protein-coding
chr16-717	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr16	71763182	71765944	+	0	NA	intron (	intron (	-6076	NR_003059	692111		NR_003059	ENSG0000	SNORD71	HBII-239|	small nuc	snoRNA
chr17-624	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr17	62489398	62490137	+	0	NA	intron (	L1MC2|LIN	8654	NM_001284	11011	Hs.445078	NM_006852	ENSG0000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr18-215	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr18	21530845	21532249	+	0	NA	intron (	AluJo|SIN	69157	NM_052911	114799	Hs.464733	NM_052911	ENSG0000	ESCO1	A930014I1	establish	protein-coding
chr18-799	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr18	79978663	79979291	+	0	NA	intron (	AluSx|SIN	9586	NR_131177	10907	Hs.465498	NM_006701	ENSG0000	TXNL4A	BMKS|DIB1	thioredox	protein-coding
chr19-957	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr19	9577879	9582482	+	0	NA	intron (	AluY|SINE	4324	NM_001308	7675	Hs.501537	NM_001008	ENSG0000	ZNF121	D19S204|Z	zinc fing	protein-coding
chr19-572	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr19	57298534	57300565	+	0	NA	Intergeni	L1M2a|LIN	19064	NM_006635	10794	Hs.99971	NM_006635	ENSG0000	ZNF460	HZF8|ZNF2	zinc fing	protein-coding
chr2-7551	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr2	75515377	75517869	+	0	NA	intron (	intron (	-7445	NR_110281	1.02E+08	Hs.671110	NR_110281	ENSG0000	LOC101927	-	uncharact	ncRNA

chr2-1874	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-19932	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr22-463	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr22	46340430	46341082	+	0	NA	intron (N	MIR3|SINE	5042	NM_001282	55687	Hs.439524	NM_018006	ENSG00000	TRMU	LCAL3|MTO	tRNA 5-me	protein-coding
chr3-1029	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr3	10298795	10301917	+	0	NA	TTS (NM_1	TTS (NM_1	-7409	NM_001134	51738	Hs.590080	NM_016362	ENSG00000	GHRL	MTLRP	ghrelin a	protein-coding
chr3-1080	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MD2|LIN	13093	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr3-1605	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	AluY|SINE	4026	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr4-6750	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr4	67508434	67508824	+	0	NA	intron (N	MIRb|SINE	36874	NM_001812	1060	Hs.479867	NM_001812	ENSG00000	CENPC	CENP-C|CE	centromer	protein-coding
chr4-1684	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	L1PA2|LIN	34824	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr4-1853	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	TTS (NM_1	TTS (NM_1	3448	NM_181726	353322	Hs.508154	NM_181726	ENSG00000	ANKRD37	Lrp2bp	ankyrin r	protein-coding
chr5-7968	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr5	79680698	79682413	+	0	NA	intron (N	intron (N	-8281	NM_153610	202333	Hs.482625	NM_153610	ENSG00000	CMYA5	C5orf10|S	cardiomyo	protein-coding
chr5-9352	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr5	93525254	93527522	+	0	NA	intron (N	L1PA8|LIN	44955	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1461	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	5563	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr5-1763	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	2790	NM_001317	51491	Hs.696283	NM_016391	ENSG00000	NOP16	HSPC111|H	NOP16 nuc	protein-coding
chr6-1005	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L2a|LINE|	-133685	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr6-1365	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	L2b|LINE|	-27537	NM_003980	9053	Hs.486548	NM_003980	ENSG00000	MAP7	E-MAP-115	microtubu	protein-coding
chr7-2993	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr7	29933115	29934514	+	0	NA	intron (N	intron (N	55987	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr7-4732	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr7	47323027	47324608	+	0	NA	intron (N	L1MDa|LIN	140986	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1210	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	76797	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr7-1356	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-23782	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr8-3786	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr8	37868833	37869545	+	0	NA	intron (N	AluJb|SIN	-19328	NM_018310	55290	Hs.709301	NM_018310	ENSG00000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr9-1142	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	TTS (NR_0	TTS (NR_0	608	NR_030255	619556		NR_030255	ENSG00000	MIR455	MIRN455|h	microRNA	ncRNA
chrX-1096	6.417827	-0.62956	0.913975	-0.68881	0.49094	0.981636	chrX	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-48717	NM_012282	23630	Hs.522753	NM_012282	ENSG00000	KCNE5	KCNE1L	potassium	protein-coding
chr1-2796	5.674702	0.67127	0.975535	0.688105	0.491387	0.981636	chr1	27964011	27965190	+	0	NA	intron (N	L2b|LINE|	5138	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr2-1216	5.674702	0.67127	0.975535	0.688105	0.491387	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	10223	NM_001142	23332	Hs.469840	NM_015282	ENSG00000	CLASP1	MAST1	cytoplasm	protein-coding
chr20-324	5.674702	0.67127	0.975535	0.688105	0.491387	0.981636	chr20	32462409	32462628	+	0	NA	intron (N	intron (N	20972	NM_001351	140688	Hs.516978	NM_080616	ENSG00000	NOL4L	C20orf112	nucleolar	protein-coding
chr21-464	5.674702	0.67127	0.975535	0.688105	0.491387	0.981636	chr21	46463816	46464321	+	0	NA	intron (N	intron (N	1597	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr16-251	8.956513	0.53752	0.781162	0.688103	0.491388	0.981636	chr16	25166855	25167054	+	0	NA	intron (N	intron (N	-17922	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr19-329	8.956513	0.53752	0.781162	0.688103	0.491388	0.981636	chr19	32952591	32952821	+	0	NA	intron (N	AluJr|SIN	19252	NM_032816	84902	Hs.599703	NM_032816	ENSG00000	CEP89	CCDC123|C	centrosom	protein-coding
chr8-4729	8.956513	0.53752	0.781162	0.688103	0.491388	0.981636	chr8	47291283	47291861	+	0	NA	intron (N	MIRb|SINE	30634	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr16-899	10.61358	0.506117	0.73579	0.687855	0.491544	0.981636	chr16	89906425	89907210	+	0	NA	intron (N	intron (N	-11062	NM_002386	4157	Hs.513829	NM_002386	ENSG00000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr12-297	10.37546	-0.50346	0.732023	-0.68776	0.491604	0.981636	chr12	29757469	29758649	+	0	NA	intron (N	intron (N	25883	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr5-1026	10.37546	-0.50346	0.732023	-0.68776	0.491604	0.981636	chr5	10262000	10264463	+	0	NA	exon (NM_	exon (NM_	12694	NM_001306	22948	Hs.1600	NM_012073	ENSG00000	CCT5	CCT-epsil	chaperoni	protein-coding
chr11-685	7.863492	0.579581	0.842757	0.68772	0.491629	0.981636	chr11	68526306	68526652	+	0	NA	intron (N	AluJb|SIN	65727	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr19-456	7.863492	0.579581	0.842757	0.68772	0.491629	0.981636	chr19	45695619	45695916	+	0	NA	intron (N	intron (N	3101	NM_017659	54814	Hs.631556	NM_017659	ENSG00000	QPCTL	gQC	glutaminy	protein-coding
chr5-7705	7.863492	0.579581	0.842757	0.68772	0.491629	0.981636	chr5	77055755	77056345	+	0	NA	intron (N	L1ME1|LIN	24521	NR_003014	677828	Hs.693249	NR_003014	ENSG00000	SNORA47	HBI-115	small nuc	snoRNA
chr12-269	5.940655	-0.66965	0.974306	-0.68731	0.491886	0.981636	chr12	26931078	26931680	+	0	NA	intron (N	AluSc8|SI	6602	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr16-716	5.940655	-0.66965	0.974306	-0.68731	0.491886	0.981636	chr16	71665059	71665578	+	0	NA	intron (N	AluSc8|SI	33383	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr2-3885	5.940655	-0.66965	0.974306	-0.68731	0.491886	0.981636	chr2	38850310	38851047	+	0	NA	intron (N	intron (N	25256	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr20-254	5.940655	-0.66965	0.974306	-0.68731	0.491886	0.981636	chr20	25427129	25427452	+	0	NA	intron (N	AluSq2|SI	19607	NR_134574	9837	Hs.658464	NM_021067	ENSG00000	GINS1	IMD55|PSF	GINS comp	protein-coding
chr19-400	8.401219	0.553967	0.806046	0.687265	0.491915	0.981636	chr19	40036305	40036756	+	0	NA	exon (NM_	exon (NM_	19701	NM_001005	163131	Hs.101139	NM_001005	ENSG00000	ZNF780B	ZNF779	zinc fing	protein-coding
chr19-490	8.401219	0.553967	0.806046	0.687265	0.491915	0.981636	chr19	49015445	49015682	+	0	NA	TTS (NM_0	TTS (NM_0	1527	NM_000894	3972	Hs.154704	NM_000894	ENSG00000	LHB	CGB4|HH23	luteinizi	protein-coding
chr1-1293	6.222138	0.639656	0.930865	0.687163	0.49198	0.981636	chr1	1293194	1293694	+	0	NA	3’ UTR (N	3’ UTR (N	2726	NR_106784	1.02E+08		NR_106784	ENSG00000	MIR6726	hsa-mir-6	microRNA	ncRNA
chr17-174	6.222138	0.639656	0.930865	0.687163	0.49198	0.981636	chr17	17486573	17487390	+	0	NA	intron (N	LTR12C|LT	9414	NM_016084	51655	Hs.25829	NM_016084	ENSG00000	RASD1	AGS1|DEXR	ras relat	protein-coding
chr8-2631	6.222138	0.639656	0.930865	0.687163	0.49198	0.981636	chr8	26316290	26316800	+	0	NA	intron (N	intron (N	23329	NM_001177	5520	Hs.146339	NM_002717	ENSG00000	PPP2R2A	B55A|B55A	protein p	protein-coding
chr11-117	8.948655	0.539339	0.784931	0.687117	0.492009	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	34331	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr1-2774	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr1	27749060	27750631	+	0	NA	intron (N	intron (N	-23374	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr12-106	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	Tigger17a	70321	NM_014840	9891	Hs.524692	NM_014840	ENSG00000	NUAK1	ARK5	NUAK fami	protein-coding
chr12-110	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	ERV3-16A3	58020	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr2-1620	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	8590	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-2031	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSz6|SI	-60155	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-342	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr20	34287184	34288125	+	0	NA	intron (N	AluSz|SIN	15336	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr22-178	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr22	17871049	17872764	+	0	NA	exon (NM_	exon (NM_	34980	NM_001122	57553	Hs.528024	NM_015241	ENSG00000	MICAL3	MICAL-3	microtubu	protein-coding
chr4-1026	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	91998	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr6-4282	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr6	42823348	42824513	+	0	NA	intron (N	AluSg7|SI	2874	NM_015349	23506	Hs.658033	NM_015349	ENSG00000	BICRAL	GLTSCR1L|	BRD4 inte	protein-coding
chr8-7401	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr8	74016121	74017161	+	0	NA	intron (N	L1PA6|LIN	25249	NM_015364	23643	Hs.726603	NM_015364	ENSG00000	LY96	ESOP-1|MD	lymphocyt	protein-coding
chr9-1316	6.229996	0.637048	0.927193	0.687072	0.492038	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	66750	NM_198679	2889	Hs.127897	NM_005312	ENSG00000	RAPGEF1	C3G|GRF2	Rap guani	protein-coding
chr11-106	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr11	10624427	10625204	+	0	NA	intron (N	intron (N	27486	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr11-777	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr11	77718256	77718711	+	0	NA	intron (N	Charlie8|	-80677	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr12-987	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr12	98717416	98718481	+	0	NA	intron (N	L1M6|LINE	72648	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr17-775	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr17	77501426	77501936	+	0	NA	Intergeni	Intergeni	-25320	NR_148967	400622	Hs.514516	NR_148967		LOC400622	-	uncharact	ncRNA
chr2-7453	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr2	74535763	74536795	+	0	NA	intron (N	intron (N	-6573	NR_126510	550	Hs.411480	NM_181575	ENSG00000	AUP1	-	AUP1 lipi	protein-coding
chr9-1348	6.433543	-0.63339	0.922004	-0.68697	0.4921	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	38773	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr14-584	4.641312	-0.74337	1.082104	-0.68697	0.492104	0.981636	chr14	58447719	58448602	+	0	NA	intron (N	MIRb|SINE	8479	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr5-1284	4.641312	-0.74337	1.082104	-0.68697	0.492104	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	55430	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr7-1012	4.641312	-0.74337	1.082104	-0.68697	0.492104	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-2241	NM_016068	51024	Hs.423968	NM_016068	ENSG00000	FIS1	CGI-135|T	fission,	protein-coding
chr10-329	9.872863	-0.52568	0.76527	-0.68693	0.492128	0.981636	chr10	32903068	32903267	+	0	NA	intron (N	AluSx1|SI	-1695	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr1-6258	5.848668	-0.6927	1.008774	-0.68667	0.49229	0.981636	chr1	62583015	62583214	+	0	NA	TTS (NM_0	TTS (NM_0	-14406	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr2-1065	5.848668	-0.6927	1.008774	-0.68667	0.49229	0.981636	chr2	10657618	10657910	+	0	NA	exon (NM_	exon (NM_	32211	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-2229	8.403069	0.564549	0.822322	0.68653	0.492379	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	L1MB2|LIN	76350	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr12-559	11.6479	0.475209	0.692731	0.685994	0.492717	0.981636	chr12	55983644	55984992	+	0	NA	intron (N	AluSg|SIN	10240	NM_002868	5869	Hs.157659	NM_002868	ENSG00000	RAB5B	-	RAB5B, me	protein-coding
chr3-4968	8.966221	0.545902	0.796032	0.685779	0.492853	0.981636	chr3	49680194	49680393	+	0	NA	intron (N	intron (N	5942	NM_001640	327	Hs.517969	NM_001640	ENSG00000	APEH	AARE|ACPH	acylamino	protein-coding
chr14-750	6.351264	-0.64198	0.936213	-0.68572	0.492889	0.981636	chr14	75028524	75028964	+	0	NA	intron (N	Tigger2a|	22723	NM_014381	27030	Hs.436650	NM_014381	ENSG00000	MLH3	HNPCC7	mutL homo	protein-coding
chr2-1112	6.351264	-0.64198	0.936213	-0.68572	0.492889	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MC3|LIN	61485	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr6-3085	6.351264	-0.64198	0.936213	-0.68572	0.492889	0.981636	chr6	3085544	3085993	+	0	NA	intron (N	L1MB3|LIN	17274	NM_001354	8737	Hs.519842	NM_003804	ENSG00000	RIPK1	IMD57|RIP	receptor	protein-coding
chr1-1511	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2298	NM_024575	79626	Hs.432360	NM_024575	ENSG00000	TNFAIP8L2	TIPE2	TNF alpha	protein-coding
chr1-1680	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	67652	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2063	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	MIRc|SINE	-75365	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr1-2468	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	64062	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr10-109	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr10	1096256	1097091	+	0	NA	intron (N	MLT1A|LTR	-39969	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenten	protein-coding
chr4-4452	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr4	4452605	4453036	+	0	NA	intron (N	Tigger1|D	9152	NM_001346	53407	Hs.584913	NM_016930	ENSG00000	STX18	Ufe1	syntaxin	protein-coding
chr6-1185	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	HERVIP10E	26591	NM_002667	5350	Hs.170839	NM_002667	ENSG00000	PLN	CMD1P|CMH	phosphola	protein-coding
chr6-1378	8.964371	0.535743	0.781335	0.685677	0.492917	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-13128	NR_049793	1E+08	Hs.598050	NR_049793	ENSG00000	WAKMAR2	lnc-TNFAI	wound and	ncRNA
chr13-110	8.194343	-0.56496	0.824021	-0.68562	0.492956	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	5903	NM_001846	1284	Hs.508716	NM_001846	ENSG00000	COL4A2	BSVD2|ICH	collagen	protein-coding
chr19-143	9.017068	0.555576	0.810389	0.685568	0.492986	0.981636	chr19	14390886	14391137	+	0	NA	exon (NM_	exon (NM_	9567	NM_078481	976	Hs.466039	NM_001784	ENSG00000	ADGRE5	CD97|TM7L	adhesion	protein-coding
chr1-9355	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr1	93559123	93568031	+	0	NA	intron (N	L1ME1|LIN	21585	NM_001308	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr12-116	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-2262	NR_103809	1.01E+08	Hs.657861	NR_103809	ENSG00000	LOC100506	-	uncharact	ncRNA
chr12-118	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	L1MB8|LIN	10005	NM_018639	55884	Hs.506985	NM_018639	ENSG00000	WSB2	SBA2	WD repeat	protein-coding
chr12-120	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	4044	NR_033684	283459	Hs.706889	NM_176818	ENSG00000	GATC	15E1.2	glutamyl-	protein-coding
chr13-114	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	3740	NM_001353	65110	Hs.533855	NM_023011	ENSG00000	UPF3A	HUPF3A|RE	UPF3A reg	protein-coding
chr14-572	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr14	57231262	57233717	+	0	NA	intron (N	intron (N	36416	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PR	exocyst c	protein-coding
chr15-654	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr15	65407305	65407572	+	0	NA	intron (N	AluSx1|SI	15509	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOF	immunoglo	protein-coding
chr16-682	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr16	68297351	68299034	+	0	NA	3’ UTR (N	3’ UTR (N	12754	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr17-541	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr17	5414687	5416999	+	0	NA	intron (N	intron (N	-3798	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr18-268	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr18	2688191	2691078	+	0	NA	intron (N	FRAM|SINE	33747	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr19-582	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr19	58279939	58280910	+	0	NA	non-codin	non-codin	1458	NR_144447	1.09E+08	Hs.715293	NR_144447	ENSG00000	ZNF8-ERVK	-	ZNF8-ERVK	ncRNA
chr2-1114	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	25302	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr2-1829	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	52030	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr2-2298	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-95381	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr3-6760	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	67607221	67608257	+	0	NA	intron (N	THE1B|LTR	46875	NM_001177	8801	Hs.644919	NM_003848	ENSG00000	SUCLG2	G-SCS|GBE	succinate	protein-coding
chr3-1080	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	39647	NM_001777	961	Hs.446414	NM_001777	ENSG00000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr3-1419	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	FLAM_C|SI	42649	NM_001679	483	Hs.477789	NM_001679	ENSG00000	ATP1B3	ATPB-3|CD	ATPase Na	protein-coding
chr3-1430	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	L2b|LINE|	35204	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr3-1586	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	7750	NM_001308	85476	Hs.518355	NM_024996	ENSG00000	GFM1	COXPD1|EF	G elongat	protein-coding
chr3-1701	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	68556	NM_014373	26996	Hs.231320	NM_014373	ENSG00000	GPR160	GPCR1|GPC	G protein	protein-coding
chr4-5745	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr4	5745365	5746723	+	0	NA	intron (N	L2b|LINE|	34843	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-1683	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	12422	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr4-1766	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	92463	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LM	vascular	protein-coding
chr5-7389	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr5	73891515	73892462	+	0	NA	intron (N	intron (N	78442	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-1493	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3840	NR_132366	1.06E+08	Hs.607162	NR_132366	ENSG00000	GRPEL2-AS	-	GRPEL2 an	ncRNA
chr6-3178	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr6	31786802	31788174	+	0	NA	intron (N	AluSz6|SI	8264	NM_006295	7407	Hs.520026	NM_006295	ENSG00000	VARS	G7A|NDMSC	valyl-tRN	protein-coding
chr6-5655	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr6	56553764	56554708	+	0	NA	intron (N	AluY|SINE	88653	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-1110	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSq|SIN	27818	NR_002932	442245	Hs.551627	NR_002932		GSTM2P1	-	glutathio	pseudo
chr6-1472	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1MEf|LIN	-65273	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr7-1169	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	L1MB8|LIN	-41057	NM_001369	7982	Hs.368131	NM_018412	ENSG00000	ST7	ETS7q|FAM	suppressi	protein-coding
chr8-4788	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr8	47884449	47889692	+	0	NA	intron (N	intron (N	73066	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-9198	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr8	91985781	91986238	+	0	NA	intron (N	intron (N	31671	NM_175636	862	Hs.368431	NM_004349	ENSG00000	RUNX1T1	AML1-MTG8	RUNX1 par	protein-coding
chr8-1197	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	76411	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr9-6827	6.409969	-0.62764	0.915811	-0.68534	0.493131	0.981636	chr9	68270296	68270561	+	0	NA	intron (N	intron (N	28483	NM_201453	445571	Hs.645337	NM_201453	ENSG00000	CBWD3	bA561023.	COBW doma	protein-coding
chr4-1222	9.839581	-0.52961	0.772872	-0.68525	0.493183	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-92165	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr4-1507	7.87135	0.577504	0.842896	0.685142	0.493254	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	THE1D|LTR	144517	NM_006439	10586	Hs.584852	NM_006439	ENSG00000	MAB21L2	MCOPS14|M	mab-21 li	protein-coding
chr16-483	8.186485	-0.56344	0.822468	-0.68506	0.493305	0.981636	chr16	48333977	48334768	+	0	NA	intron (N	intron (N	31515	NM_001006	6477	Hs.706828	NM_003031	ENSG00000	SIAH1	SIAH1A	siah E3 u	protein-coding
chr9-7170	8.186485	-0.56344	0.822468	-0.68506	0.493305	0.981636	chr9	71704325	71704754	+	0	NA	intron (N	intron (N	63974	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr16-749	6.263277	0.640862	0.935505	0.685044	0.493316	0.981636	chr16	74938110	74938600	+	0	NA	intron (N	intron (N	46768	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr1-4005	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr1	40052619	40054926	+	0	NA	intron (N	MIRc|SINE	12921	NM_001350	10487	Hs.370581	NM_006367	ENSG00000	CAP1	CAP|CAP1-	cyclase a	protein-coding

chr10-740	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr10	74003791	74005843	+	0	NA	intron (N	AluSx|SIN	6701	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr11-204	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr11	20408872	20409354	+	0	NA	intron (N	intron (N	21397	NM_005788	10196	Hs.152337	NM_005788	ENSG00000	PRMT3	HRMT1L3	protein a	protein-coding
chr11-668	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr11	66858494	66860345	+	0	NA	intron (N	intron (N	2355	NM_001363	78999	Hs.209979	NM_024036	ENSG00000	LRFN4	FIGLER6|S	leucine r	protein-coding
chr11-857	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr11	85730724	85732429	+	0	NA	intron (N	L1PA7|LIN	-12226	NM_001289	54843	Hs.369520	NM_032379	ENSG00000	SYTL2	CHR11SYT|	synaptota	protein-coding
chr12-499	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr12	49987603	49997331	+	0	NA	intron (N	intron (N	19520	NM_001652	363	Hs.54505	NM_001652	ENSG00000	AQP6	AQP2L|KID	aquaporin	protein-coding
chr13-483	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr13	48321411	48322194	+	0	NA	intron (N	AluSq2|SI	18055	NM_000321	5925	Hs.408528	NM_000321	ENSG00000	RB1	OSRC|PPP1	RB transc	protein-coding
chr13-110	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	16658	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr17-120	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr17	12081395	12082598	+	0	NA	promoter-	promoter-	97	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr17-420	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr17	42008836	42009860	+	0	NA	intron (N	intron (N	7817	NM_001144	7266	Hs.500156	NM_003315	ENSG00000	DNAJC7	DJ11|DJC7	DnaJ heat	protein-coding
chr19-377	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr19	37760133	37760593	+	0	NA	intron (N	L1MC4a|LI	19227	NM_001172	126231	Hs.531262	NM_152360	ENSG00000	ZNF573	-	zinc fing	protein-coding
chr19-521	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr19	52195923	52198219	+	0	NA	intron (N	Charlie4a	-4125	NM_001363	5518	Hs.467192	NM_014225	ENSG00000	PPP2R1A	MRD36|PP2	protein p	protein-coding
chr2-4042	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr2	40428702	40430295	+	0	NA	exon (NM_	exon (NM_	806	NM_001112	6546	Hs.31961	NM_021097	ENSG00000	SLC8A1	NCX1	solute ca	protein-coding
chr2-2010	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	Intergeni	AluSx1|SI	15208	NM_001257	4709	Hs.109760	NM_002491	ENSG00000	NDUFB3	B12|CI-B1	NADH:ubiq	protein-coding
chr2-2328	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-29380	NM_001172	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr22-328	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr22	32808684	32810138	+	0	NA	intron (N	intron (N	8595	NM_000362	7078	Hs.644633	NM_000362	ENSG00000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr3-4862	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr3	48622020	48622840	+	0	NA	promoter-	promoter-	-661	NM_001008	440955	Hs.631922	NM_001008	ENSG00000	TMEM89	-	transmemb	protein-coding
chr4-1950	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr4	1950317	1951737	+	0	NA	intron (N	intron (N	-23609	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Caj	ncRNA
chr4-1682	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	42036	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bc	protein-coding
chr6-1547	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSz6|SI	45322	NM_001286	22828	Hs.591329	NM_014892	ENSG00000	SCAF8	RBM16	SR-relate	protein-coding
chr7-9238	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr7	92386181	92387295	+	0	NA	intron (N	intron (N	50576	NR_145992	1.05E+08		NM_001317	ENSG00000	TMBIM7P	-	transmemb	pseudo
chr9-3393	4.666735	-0.7321	1.068789	-0.68498	0.493353	0.981636	chr9	33937152	33938296	+	0	NA	intron (N	AluSq|SIN	-3349	NR_102370	1.01E+08		NR_102370	ENSG00000	SNORD121B	-	small nuc	snoRNA
chr1-1139	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	6214	NM_001363	64858	Hs.591412	NM_022836	ENSG00000	DCLRE1B	APOLLO|SN	DNA cross	protein-coding
chr11-130	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-19276	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr12-957	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr12	95727723	95729069	+	0	NA	intron (N	L1MB7|LIN	61799	NM_001329	59277	Hs.201034	NM_021229	ENSG00000	NTN4	PRO3091	netrin 4	protein-coding
chr12-101	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSp|SIN	11300	NM_014503	27340	Hs.295732	NM_014503	ENSG00000	UTP20	1A6/DRIM|	UTP20 sma	protein-coding
chr19-471	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr19	47146648	47148241	+	0	NA	intron (N	AluJb|SIN	16609	NM_001145	10055	Hs.515500	NM_005500	ENSG00000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr2-1819	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	intron (N	L2c|LINE|	20479	NM_001287	6744	Hs.196983	NM_006751	ENSG00000	ITPRID2	CS-1|CS1|	ITPR inte	protein-coding
chr3-5264	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr3	52646691	52647070	+	0	NA	intron (N	L1MB8|LIN	38719	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromo	protein-coding
chr3-1111	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	93094	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-5644	6.376688	-0.63372	0.925201	-0.68496	0.493371	0.981636	chr4	56448300	56449528	+	0	NA	intron (N	intron (N	12654	NM_001079	10606	Hs.518774	NM_006452	ENSG00000	PAICS	ADE2|ADE2	phosphori	protein-coding
chr4-1026	8.597094	-0.54896	0.801768	-0.68469	0.493541	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-108939	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr2-2060	8.526488	0.567512	0.829049	0.684533	0.493639	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	THE1B-int	69801	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr16-701	12.17777	0.463337	0.677607	0.683784	0.494111	0.981636	chr16	70156388	70158665	+	0	NA	3' UTR (N	3' UTR (N	15922	NR_126007	400541	Hs.461183	NR_126007	ENSG00000	LOC400541	-	uncharact	ncRNA
chr19-581	12.17777	0.463337	0.677607	0.683784	0.494111	0.981636	chr19	58184823	58214192	+	0	NA	intron (N	AluSz|SIN	16446	NM_133502	10782	Hs.83761	NM_016324	ENSG00000	ZNF274	HFB101|ZF	zinc fing	protein-coding
chr1-4344	8.442359	0.55489	0.811516	0.683769	0.494121	0.981636	chr1	43446307	43449293	+	0	NA	promoter-	promoter-	-739	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr1-1537	8.442359	0.55489	0.811516	0.683769	0.494121	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-2554	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr12-121	8.442359	0.55489	0.811516	0.683769	0.494121	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	48714	NM_001178	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr5-1484	8.442359	0.55489	0.811516	0.683769	0.494121	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	43999	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr17-178	5.741265	0.679101	0.993189	0.683758	0.494128	0.981636	chr17	17861401	17862354	+	0	NA	intron (N	intron (N	-24866	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr19-191	5.741265	0.679101	0.993189	0.683758	0.494128	0.981636	chr19	19182193	19183039	+	0	NA	non-codin	non-codin	9536	NR_027308	4207	Hs.153629	NM_005919	ENSG00000	BORCS8-ME	LOC729991	BORCS8-ME	protein-coding
chr7-5205	5.741265	0.679101	0.993189	0.683758	0.494128	0.981636	chr7	5205811	5206895	+	0	NA	intron (N	intron (N	-7916	NM_001033	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr9-9808	5.874091	-0.68331	0.999924	-0.68336	0.494377	0.981636	chr9	98084330	98084971	+	0	NA	3' UTR (N	3' UTR (N	27918	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetyln	protein-coding
chr17-374	10.83507	-0.49373	0.722557	-0.68331	0.494412	0.981636	chr17	37440559	37440979	+	0	NA	intron (N	intron (N	33544	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr8-2874	3.982501	0.785909	1.150301	0.683221	0.494467	0.981636	chr8	28749794	28750587	+	0	NA	intron (N	intron (N	48689	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr10-355	6.962303	0.656237	0.960565	0.683178	0.494495	0.981636	chr10	35530098	35530348	+	0	NA	exon (NM_	exon (NM_	-75118	NM_153368	219770	Hs.638922	NM_153368	ENSG00000	GJD4	CX40.1	gap junct	protein-coding
chr22-394	6.962303	0.656237	0.960565	0.683178	0.494495	0.981636	chr22	39415602	39415805	+	0	NA	intron (N	intron (N	15923	NM_006116	10454	Hs.507681	NM_006116	ENSG00000	TAB1	3'-Tab1|M	TGF-beta	protein-coding
chr9-2186	8.078782	-0.57628	0.84364	-0.68309	0.494551	0.981636	chr9	21864619	21864900	+	0	NA	3' UTR (N	3' UTR (N	62123	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr1-2188	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr1	21883657	21886783	+	0	NA	intron (N	intron (N	52090	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr11-776	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr11	77696945	77697207	+	0	NA	intron (N	MIR|SINE|	-59270	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr16-565	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr16	56500356	56503220	+	0	NA	intron (N	intron (N	18236	NM_031885	583	Hs.333738	NM_031885	ENSG00000	BBS2	BBS|RP74	Bardet-Bi	protein-coding
chr19-212	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr19	2120708	2121811	+	0	NA	exon (NM_	exon (NM_	24344	NM_001039	113177	Hs.424049	NM_052878	ENSG00000	IZUMO4	C19orf36|	IZUMO fam	protein-coding
chr4-1697	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	44522	NM_017867	54969	Hs.406756	NM_017867	ENSG00000	HPF1	C4orf27	histone P	protein-coding
chr5-1195	8.409077	0.552034	0.808378	0.682891	0.494676	0.981636	chr5	1.2E+08	1.2E+08	+	0	NA	intron (N	L1M4b|LIN	59160	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr12-111	8.931089	0.532993	0.78061	0.68279	0.49474	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	5103	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr20-459	8.931089	0.532993	0.78061	0.68279	0.49474	0.981636	chr20	45967431	45968924	+	0	NA	intron (N	intron (N	4026	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr3-4783	8.931089	0.532993	0.78061	0.68279	0.49474	0.981636	chr3	47836277	47837399	+	0	NA	intron (N	L1MA9|LIN	-12717	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-1702	8.931089	0.532993	0.78061	0.68279	0.49474	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx|SIN	-59286	NM_005414	6498	Hs.536655	NM_005414	ENSG00000	SKIL	SNO|SnoA|	SKI like	protein-coding
chr20-256	12.21105	0.46547	0.681742	0.682766	0.494755	0.981636	chr20	25674367	25676533	+	0	NA	TTS (NR_1	TTS (NR_1	11489	NM_001290	26152	Hs.61881	NM_015655	ENSG00000	ZNF337	-	zinc fing	protein-coding
chr1-1977	8.940797	0.54124	0.792887	0.682619	0.494847	0.981636	chr1	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	49103	NM_001195	163486	Hs.125056	NM_019049	ENSG00000	DENND1B	C1ORF18|C	DENN doma	protein-coding
chr5-1388	8.940797	0.54124	0.792887	0.682619	0.494847	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	-11702	NM_001290	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr8-1189	10.33432	-0.50585	0.741113	-0.68256	0.494886	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	27418	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr3-2737	10.3676	-0.50217	0.735823	-0.68246	0.494948	0.981636	chr3	27377333	27377719	+	0	NA	intron (N	AluSq2|SI	-8066	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr1-2676	8.622518	-0.54298	0.795669	-0.68242	0.494973	0.981636	chr1	26769265	26770519	+	0	NA	intron (N	intron (N	-18071	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr13-113	8.622518	-0.54298	0.795669	-0.68242	0.494973	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	18584	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr2-1714	8.622518	-0.54298	0.795669	-0.68242	0.494973	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-14808	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr4-1182	8.622518	-0.54298	0.795669	-0.68242	0.494973	0.981636	chr4	1.18E+08	1.18E+08	+	0	NA	TTS (NR_0	TTS (NR_0	1032	NR_002963	677809	Hs.744742	NR_002963	ENSG00000	SNORA24	ACA24|SNO	small nuc	snoRNA
chr7-5516	8.622518	-0.54298	0.795669	-0.68242	0.494973	0.981636	chr7	55161439	55161930	+	0	NA	intron (N	intron (N	27265	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr17-187	8.178627	-0.56187	0.823694	-0.68213	0.495155	0.981636	chr17	18782753	18784148	+	0	NA	intron (N	L2a|LINE|	2136	NM_001316	51030	Hs.87295	NM_016078	ENSG00000	TVP23B	CGI-148|F	trans-gol	protein-coding
chr6-4177	8.178627	-0.56187	0.823694	-0.68213	0.495155	0.981636	chr6	41775145	41775355	+	0	NA	intron (N	intron (N	4650	NM_006653	10817	Hs.194208	NM_006653	ENSG00000	FRS3	FRS2-beta	fibroblas	protein-coding
chr9-1323	8.178627	-0.56187	0.823694	-0.68213	0.495155	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MC5|LIN	48256	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr10-620	13.05917	-0.44849	0.657477	-0.68213	0.495156	0.981636	chr10	62084558	62087658	+	0	NA	intron (N	intron (N	36751	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr19-577	15.3736	0.417642	0.612264	0.682127	0.495159	0.981636	chr19	57719433	57723365	+	0	NA	exon (NM_	exon (NM_	6225	NM_001321	79891	Hs.180402	NM_024833	ENSG00000	ZNF671	-	zinc fing	protein-coding
chr11-108	6.21428	0.642401	0.941985	0.681965	0.495261	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MB7|LIN	10444	NM_001321	4863	Hs.171061	NM_002519	ENSG00000	NPAT	E14|E14/N	nuclear p	protein-coding
chr20-593	6.21428	0.642401	0.941985	0.681965	0.495261	0.981636	chr20	5938216	5938696	+	0	NA	3' UTR (N	3' UTR (N	12077	NM_015939	51605	Hs.128791	NM_015939	ENSG00000	TRMT6	CGI-09|GC	tRNA meth	protein-coding
chr13-770	8.923231	0.534786	0.78438	0.681795	0.495369	0.981636	chr13	77082610	77083702	+	0	NA	exon (NM_	exon (NM_	7642	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr13-113	8.923231	0.534786	0.78438	0.681795	0.495369	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MEi|LIN	20257	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr16-668	8.923231	0.534786	0.78438	0.681795	0.495369	0.981636	chr16	66884553	66885408	+	0	NA	exon (NM_	exon (NM_	4465	NM_001329	57546	Hs.632214	NM_020786	ENSG00000	PDP2	PDPC 2|PF	pyruvate	protein-coding
chr5-1130	10.85263	-0.48775	0.715629	-0.68156	0.495516	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	3' UTR (N	3' UTR (N	50238	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr9-2077	10.85263	-0.48775	0.715629	-0.68156	0.495516	0.981636	chr9	20770461	20770869	+	0	NA	intron (N	MSTA|LTR|	-16262	NR_145762	1.1E+08		NR_145762	ENSG00000	SNORA30B	-	small nuc	snoRNA
chr1-3590	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr1	35908981	35910443	+	0	NA	intron (N	intron (N	-21393	NM_177422	192669	Hs.657659	NM_024852	ENSG00000	AGO3	EIF2C3	argonaute	protein-coding
chr1-2042	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	exon (NM_	exon (NM_	-47376	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra	protein-coding
chr11-134	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	6627	NM_014384	27034	Hs.14791	NM_014384	ENSG00000	ACAD8	ACAD-8|AR	acyl-CoA	protein-coding
chr12-214	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr12	21488202	21490604	+	0	NA	intron (N	MER5A1|DN	12232	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr16-551	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr16	551840	553565	+	0	NA	exon (NM_	exon (NM_	-7692	NM_145270	146325	Hs.632220	NM_145270	ENSG00000	PRR35	C16orf11|	proline r	protein-coding
chr17-178	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr17	17867814	17869850	+	0	NA	intron (N	intron (N	-31821	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr21-462	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr21	46221889	46223377	+	0	NA	exon (NM_	exon (NM_	6141	NM_001145	4047	Hs.596543	NM_002340	ENSG00000	LSS	CTRCT44|H	lanostero	protein-coding
chr22-503	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr22	50390368	50390800	+	0	NA	intron (N	AluSp|SIN	-16858	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr4-5688	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr4	5688193	5690500	+	0	NA	intron (N	intron (N	19213	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr4-3920	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr4	39205508	39207609	+	0	NA	intron (N	L1MEf|LIN	24029	NM_025132	57728	Hs.438482	NM_025132	ENSG00000	WDR19	ATD5|CED4	WD repeat	protein-coding
chr4-1689	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	Intergeni	L1PBa|LIN	34605	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr9-1268	6.237854	0.634488	0.930952	0.681548	0.495525	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-21587	NM_001099	403341	Hs.177633	NM_203482	ENSG00000	ZBTB34	ZNF918	zinc fing	protein-coding
chr1-1800	11.61462	0.473006	0.694121	0.681445	0.49559	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1PA7|LIN	51874	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-8878	8.137487	-0.56501	0.829415	-0.68122	0.495734	0.981636	chr1	88784692	88785644	+	0	NA	intron (N	AluJo|SIN	-99964	NR_110682	1.02E+08	Hs.637231	NR_110682	ENSG00000	PKN2-AS1	-	PKN2 anti	ncRNA
chr17-287	8.137487	-0.56501	0.829415	-0.68122	0.495734	0.981636	chr17	28715751	28716078	+	0	NA	intron (N	intron (N	1954	NM_001144	83871	Hs.301853	NM_031934	ENSG00000	RAB34	NARR|RAB3	RAB34, me	protein-coding
chr5-8739	8.137487	-0.56501	0.829415	-0.68122	0.495734	0.981636	chr5	87391795	87392987	+	0	NA	TTS (NM_0	TTS (NM_0	20513	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr8-9913	8.137487	-0.56501	0.829415	-0.68122	0.495734	0.981636	chr8	99139347	99139710	+	0	NA	intron (N	AluY|SINE	126262	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr1-7106	10.84477	-0.48655	0.714492	-0.68098	0.495887	0.981636	chr1	71061629	71061987	+	0	NA	intron (N	L1MD3|LIN	5908	NR_029707	406962		NR_029707	ENSG00000	MIR186	MIRN186|m	microRNA	ncRNA
chr18-926	10.84477	-0.48655	0.714492	-0.68098	0.495887	0.981636	chr18	9264398	9266066	+	0	NA	intron (N	L1PA4|LIN	-69541	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr7-9936	10.84477	-0.48655	0.714492	-0.68098	0.495887	0.981636	chr7	99363849	99367619	+	0	NA	intron (N	intron (N	-8996	NM_005720	10095	Hs.489284	NM_005720	ENSG00000	ARPC1B	ARC41|PLT	actin rel	protein-coding
chr5-1353	10.40874	-0.49973	0.734111	-0.68073	0.496041	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1PA6|LIN	35542	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr10-997	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr10	99700929	99701128	+	0	NA	exon (NM_	exon (NM_	-31206	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr2-1329	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	46922	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-2071	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	2900	NR_036227	1E+08		NR_036227	ENSG00000	MIR2355	mir-2355	microRNA	ncRNA
chr2-2244	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	LTR13|LTR	79490	NM_001257	8452	Hs.372286	NM_003590	ENSG00000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr3-4972	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr3	49721652	49722422	+	0	NA	TTS (NR_1	TTS (NR_1	1914	NM_021971	29925	Hs.567488	NM_013334	ENSG00000	GMPPB	LGMDR19|M	GDP-manno	protein-coding
chr3-1225	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	23998	NM_001146	83666	Hs.518200	NM_031458	ENSG00000	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr5-8737	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr5	87374739	87377665	+	0	NA	intron (N	L2c|LINE|	36702	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr7-1732	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chr7	17322715	17322976	+	0	NA	intron (N	Tigger3a|	24193	NM_001621	196	Hs.171189	NM_001621	ENSG00000	AHR	RP85|bHLH	aryl hydr	protein-coding
chrX-2198	8.61466	-0.54152	0.795494	-0.68073	0.496043	0.981636	chrX	21987740	21987939	+	0	NA	intron (N	intron (N	-44486	NM_001282	5251	Hs.495834	NM_000444	ENSG00000	PHEX	HPDR|HPDR	phosphate	protein-coding
chr18-123	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr18	12345328	12345851	+	0	NA	intron (N	intron (N	31687	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr18-576	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr18	57666191	57666750	+	0	NA	intron (N	intron (N	36139	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr2-2313	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-29217	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr22-414	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr22	41424088	41425535	+	0	NA	Intergeni	AluJb|SIN	21990	NM_016272	10766	Hs.474978	NM_016272	ENSG00000	TOB2	APRO5|TOB	transduce	protein-coding
chr4-8878	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr4	88787513	88788627	+	0	NA	intron (N	intron (N	35291	NM_001015	10144	Hs.97270	NM_014883	ENSG00000	FAM13A	ARHGAP48|	family wi	protein-coding
chr4-1733	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr4	1.73E+08	1.73E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2451	NM_001130	3148	Hs.434953	NM_002129	ENSG00000	HMGB2	HMG2	high mobi	protein-coding
chr5-1228	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-23688	NR_146145	28966	Hs.483200	NM_014035	ENSG00000	SNX24	PRO1284|S	sorting n	protein-coding
chr8-9487	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chr8	94876795	94877428	+	0	NA	intron (N	L2a|LINE|	18143	NM_057749	9134	Hs.521693	NM_004702	ENSG00000	CCNE2	CYCE2	cyclin E2	protein-coding
chrX-1096	6.196714	0.633325	0.930621	0.68054	0.496162	0.981636	chrX	1.1E+08	1.1E+08	+	0	NA	intron (N	MER20|DNA	-42097	NM_012282	23630	Hs.522753	NM_012282	ENSG00000	KCNE5	KCNE1L	potassium	protein-coding
chr1-2509	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr1	2509925	2511480	+	0	NA	exon (NM_	exon (NM_	15894	NM_018216	55229	Hs.26156	NM_018216	ENSG00000	PANK4	-	pantothen	protein-coding
chr1-4668	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr1	46681330	46681591	+	0	NA	intron (N	intron (N	7424	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr1-1657	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	AluJb|SIN	31846	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|P	transmemb	protein-coding
chr11-666	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr11	66603693	66606613	+	0	NA	intron (N	intron (N	-11429	NM_001198	1.01E+08	Hs.523822	NM_001198	ENSG00000	RBM14-RBM	COAZ|PSP2	RBM14-RBM	protein-coding
chr12-109	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	46067	NM_052845	326625	Hs.12106	NM_052845	ENSG00000	MMAB	ATR|CFAP2	metabolis	protein-coding

chr14-214	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr14	21466394	21467431	+	0	NA	intron (N	AluSx4|SI	9762	NM_001163	84932	Hs.22399	NM_032846	ENSG00000	RAB2B	-	RAB2B, me	protein-coding
chr14-751	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr14	75100662	75101122	+	0	NA	intron (N	intron (N	26156	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr14-921	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr14	92129002	92129833	+	0	NA	intron (N	L2a|LINE|	7448	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr14-102	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	18908	NM_032630	51550	Hs.129634	NM_032630	ENSG00000	CINP	-	cyclin de	protein-coding
chr15-488	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr15	48848156	48850076	+	0	NA	intron (N	intron (N	-29018	NM_014335	23741	Hs.255973	NM_014335	ENSG00000	EID1	C15orf3|C	EP300 int	protein-coding
chr15-657	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr15	65783885	65785051	+	0	NA	intron (N	L1MC3|LIN	7825	NM_001320	10260	Hs.654567	NM_005848	ENSG00000	DENND4A	IRLB|MYCF	DENN doma	protein-coding
chr16-196	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr16	19630509	19633436	+	0	NA	intron (N	AluSz|SIN	76269	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr17-196	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr17	19652696	19653845	+	0	NA	intron (N	AluSx|SIN	4519	NM_001031	224	Hs.499886	NM_000382	ENSG00000	ALDH3A2	ALDH10|FA	aldehyde	protein-coding
chr17-295	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr17	29514151	29516265	+	0	NA	intron (N	intron (N	51829	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-310	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr17	31002256	31002603	+	0	NA	Intergeni	AluSz|SIN	-5855	NM_001350	1.08E+08	Hs.558901	NM_001350575		LOC107984	-	uncharact	protein-coding
chr18-172	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr18	172429	172717	+	0	NA	intron (N	Tigger1|D	14016	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr18-950	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr18	9501853	9503265	+	0	NA	intron (N	AluY|SINE	27046	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIP	ralA binc	protein-coding
chr19-957	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr19	9574280	9575305	+	0	NA	intron (N	LTR10C|LT	9712	NM_001308	7675	Hs.501537	NM_001008	ENSG00000	ZNF121	D19S204|Z	zinc fing	protein-coding
chr19-164	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr19	16420296	16422740	+	0	NA	intron (N	intron (N	50452	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr2-2441	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr2	244177	245170	+	0	NA	intron (N	MIR|SINE|	11667	NM_001282	26751	Hs.515951	NM_015677	ENSG00000	SH3YL1	RAY	SH3 and S	protein-coding
chr2-1743	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	THE1C-int	5866	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr20-114	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr20	1145894	1147100	+	0	NA	intron (N	intron (N	27895	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr21-392	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr21	39273581	39276828	+	0	NA	intron (N	intron (N	38428	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr22-232	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr22	23292521	23294188	+	0	NA	intron (N	MIR3|SINE	30587	NR_033408	26226	Hs.729589	NR_033408	ENSG00000	FBXW4P1	FBW3|FBXW	F-box anc	pseudo
chr22-504	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr22	50449868	50451000	+	0	NA	intron (N	AluSx1|SI	24601	NM_002972	6305	Hs.589924	NM_002972	ENSG00000	SBF1	CMT4B3|DE	SET bindi	protein-coding
chr3-1850	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	152056	NM_001025	285382	Hs.245793	NM_001025	ENSG00000	C3orf70	-	chromosom	protein-coding
chr7-1491	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr7	1491474	1492389	+	0	NA	intron (N	L1MB8|LIN	12458	NM_001080	26173	Hs.532188	NM_001080	ENSG00000	INTS1	INT1|NET2	integrato	protein-coding
chr7-1392	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJr|SIN	38693	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr8-4230	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr8	42307274	42310475	+	0	NA	intron (N	intron (N	-29620	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr8-1442	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	TTS (NM_0	TTS (NM_0	48908	NR_107057	1.02E+08		NR_107057	ENSG00000	MIR7112	MIR7112-1	microRNA	ncRNA
chrX-4745	6.204572	0.630747	0.926949	0.680455	0.496216	0.981636	chrX	47451742	47454676	+	0	NA	intron (N	AluJr|SIN	14460	NM_001324	7592	Hs.496074	NM_007130	ENSG00000	ZNF41	MRX89	zinc fing	protein-coding
chr1-1182	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr1	11828500	11830175	+	0	NA	intron (N	intron (N	-10982	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr1-1504	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSp|SIN	-39914	NM_001271	80222	Hs.288974	NM_025150	ENSG00000	TARS2	COXPD21|T	threonyl-	protein-coding
chr1-1580	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr1	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	53790	NR_033946	646268	Hs.506902	NR_033946	ENSG00000	LINC01704	-	long inte	ncRNA
chr1-1602	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-14523	NR_123725	729867	Hs.674191	NR_123725	ENSG00000	LOC729867	-	uncharact	ncRNA
chr1-2200	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz6|SI	36648	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUF	glutamyl-	protein-coding
chr10-294	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr10	29485775	29494501	+	0	NA	intron (N	intron (N	54959	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr10-379	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr10	37951755	37957700	+	0	NA	intron (N	intron (N	21253	NR_138069	219749	Hs.499429	NM_145011	ENSG00000	ZNF25	KOX19|Zfp	zinc fing	protein-coding
chr13-302	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr13	30248735	30249898	+	0	NA	intron (N	L1ME3A|LI	57695	NM_001014	84056	Hs.243596	NM_032116	ENSG00000	KATNAL1	-	katanin c	protein-coding
chr16-156	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr16	15634971	15639109	+	0	NA	intron (N	intron (N	6114	NM_014647	9665	Hs.173524	NM_014647	ENSG00000	MARF1	KIAA0430|	meiosis r	protein-coding
chr17-488	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr17	48862442	48864897	+	0	NA	3’ UTR (N	3’ UTR (N	-29118	NM_001002	516	Hs.80986	NM_005175	ENSG00000	ATP5MC1	ATP5A|ATF	ATP synth	protein-coding
chr19-535	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr19	535361	539338	+	0	NA	intron (N	intron (N	5589	NM_004359	997	Hs.514997	NM_004359	ENSG00000	CDC34	E2-CDC34|	cell divi	protein-coding
chr2-9520	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr2	95209551	95217792	+	0	NA	Intergeni	Intergeni	47862	NM_001291	7549	Hs.590916	NM_021088	ENSG00000	ZNF2	A1-5|ZNF6	zinc fing	protein-coding
chr2-2182	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	MIRb|SINE	1866	NR_106768	1.02E+08		NR_106768	ENSG00000	MIR6513	hsa-mir-6	microRNA	ncRNA
chr20-356	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr20	35669782	35674147	+	0	NA	intron (N	(GTTTTT)n	-7064	NM_001198	10137	Hs.700188	NM_006047	ENSG00000	RBM12	HRIHFB209	RNA bindi	protein-coding
chr20-414	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr20	41452073	41452608	+	0	NA	intron (N	intron (N	-85522	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr22-245	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr22	24541436	24543493	+	0	NA	non-codin	non-codin	12674	NM_001284	83606	Hs.9850	NM_031444	ENSG00000	GUCD1	C22orf13|	guanylyl	protein-coding
chr3-1841	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	exon (NM_	exon (NM_	2874	NM_001351	55324	Hs.361323	NM_018358	ENSG00000	ABCF3	EST201864	ATP bindi	protein-coding
chr5-3722	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr5	37223410	37223987	+	0	NA	intron (N	intron (N	-25348	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr7-1385	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	LTR4|LTR|	96632	NM_015905	8805	Hs.490287	NM_003852	ENSG00000	TRIM24	PTC6|RNF8	tripartit	protein-coding
chr8-1022	8.938947	0.531216	0.780782	0.680364	0.496274	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJb|SIN	27716	NM_001172	50484	Hs.512592	NM_015713	ENSG00000	RRM2B	MTDPS8A|M	ribonucle	protein-coding
chr14-761	4.707875	-0.72619	1.068123	-0.67987	0.496586	0.981636	chr14	76174753	76175640	+	0	NA	3’ UTR (N	3’ UTR (N	20842	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch c	protein-coding
chr15-591	4.707875	-0.72619	1.068123	-0.67987	0.496586	0.981636	chr15	59144058	59144631	+	0	NA	intron (N	AluSx1|SI	26918	NR_031750	1E+08		NR_031750	ENSG00000	MIR2116	mir-2116	microRNA	ncRNA
chr1-2064	8.972229	0.533971	0.785453	0.679825	0.496615	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	MER5B|DNA	-15032	NM_182663	83593	Hs.497579	NM_031437	ENSG00000	RASSF5	Maxp1|NOR	Ras assoc	protein-coding
chr1-2128	8.972229	0.533971	0.785453	0.679825	0.496615	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	AluY|SINE	27371	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr18-585	4.700017	-0.72366	1.065142	-0.67941	0.496881	0.981636	chr18	58551124	58551787	+	0	NA	intron (N	MLT1C|LTR	-49165	NR_132963	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr2-1328	4.700017	-0.72366	1.065142	-0.67941	0.496881	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	Tigger1|D	-16086	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr20-345	4.700017	-0.72366	1.065142	-0.67941	0.496881	0.981636	chr20	34509766	34510653	+	0	NA	3’ UTR (N	3’ UTR (N	-6175	NM_001319	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr4-1683	4.700017	-0.72366	1.065142	-0.67941	0.496881	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	10301	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr7-2333	12.62314	-0.45767	0.673785	-0.67925	0.496981	0.981636	chr7	23337459	23338467	+	0	NA	intron (N	MLT1J|LTR	38624	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochond	protein-coding
chr19-575	12.18563	0.462027	0.680241	0.679211	0.497004	0.981636	chr19	57533603	57556409	+	0	NA	intron (N	AluSx|SIN	14857	NM_001277	162972	Hs.180257	NM_153231	ENSG00000	ZNF550	-	zinc fing	protein-coding
chr1-1009	8.581378	-0.54604	0.804016	-0.67914	0.497048	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSx1|SI	25893	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr13-369	8.581378	-0.54604	0.804016	-0.67914	0.497048	0.981636	chr13	36983796	36984839	+	0	NA	intron (N	AluJr4|SI	15023	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr17-204	8.581378	-0.54604	0.804016	-0.67914	0.497048	0.981636	chr17	2042898	2043365	+	0	NA	non-codin	non-codin	1109	NM_080822	124641	Hs.513856	NM_080822	ENSG00000	OVCA2	-	OVCA2 ser	protein-coding
chr11-116	8.104206	-0.56978	0.839135	-0.679	0.497135	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluY|SINE	4075	NM_032725	84811	Hs.437341	NM_032725	ENSG00000	BUD13	Cwc26|fSA	BUD13 hom	protein-coding
chr1-2549	5.68256	0.668235	0.984282	0.678906	0.497197	0.981636	chr1	25493945	25495552	+	0	NA	intron (N	L2a|LINE|	-48837	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr3-1958	5.68256	0.668235	0.984282	0.678906	0.497197	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	4566	NR_106887	1.02E+08		NR_106887	ENSG00000	MIR6829	hsa-mir-6	microRNA	ncRNA
chrX-1935	5.68256	0.668235	0.984282	0.678906	0.497197	0.981636	chrX	19359077	19359956	+	0	NA	TTS (NM_0	TTS (NM_0	15589	NM_000284	5160	Hs.530331	NM_000284	ENSG00000	PDHA1	PDHA|PDHA	pyruvate	protein-coding
chr1-6672	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr1	66728904	66730121	+	0	NA	intron (N	intron (N	-22947	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 dc	protein-coding
chr10-778	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr10	77839277	77839584	+	0	NA	intron (N	AluSq|SIN	87325	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr11-119	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr11	11938507	11939591	+	0	NA	intron (N	intron (N	69590	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-748	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr11	74824917	74826253	+	0	NA	intron (N	L1PA11|LI	76736	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr11-103	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	10318	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding
chr11-128	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr11	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MB7|LIN	16116	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr12-956	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr12	95681252	95683459	+	0	NA	intron (N	intron (N	33100	NR_077225	1E+08	Hs.676211	NR_077225	ENSG00000	PGAM1P5	-	phosphogl	pseudo
chr13-500	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr13	50018790	50025102	+	0	NA	intron (N	AluSx3|SI	6502	NM_199464	283518	Hs.660161	NM_173605	ENSG00000	KCNRG	DLTET	potassium	protein-coding
chr14-617	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr14	61791665	61791947	+	0	NA	intron (N	AluSz|SIN	-20356	NM_001367	83851	Hs.404139	NM_031914	ENSG00000	SYT16	CHR14SYT|	synaptota	protein-coding
chr16-500	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr16	50089765	50090029	+	0	NA	intron (N	AluSg4|SI	23927	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr16-702	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr16	70231984	70233679	+	0	NA	Intergeni	Intergeni	-6798	NR_033959	1.01E+08	Hs.655258	NR_033959	ENSG00000	SMG1P7	-	SMG1 pseu	pseudo
chr16-746	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr16	74648827	74652287	+	0	NA	intron (N	L1MC5a|LI	16320	NM_018124	55159	Hs.567525	NM_018124	ENSG00000	RFWD3	FANCW|RNF	ring fing	protein-coding
chr19-144	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr19	14404558	14406264	+	0	NA	intron (N	AluSx|SIN	13930	NM_005804	10212	Hs.311609	NM_005804	ENSG00000	DDX39A	BAT1|BAT1	DExD-box	protein-coding
chr19-453	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr19	45368618	45368982	+	0	NA	intron (N	intron (N	1787	NM_001130	2068	Hs.487294	NM_000400	ENSG00000	ERCC2	COFS2|EM9	ERCC exci	protein-coding
chr2-4389	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr2	43895661	43896451	+	0	NA	intron (N	intron (N	57085	NM_022437	64241	Hs.413931	NM_022437	ENSG00000	ABCG8	GBD4|STSL	ATP bindi	protein-coding
chr2-2185	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	LTR67B|LT	25945	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitin	protein-coding
chr3-9880	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr3	98802190	98802830	+	0	NA	intron (N	L1PA5|LIN	39203	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr4-1684	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	60072	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-1444	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr5	14445048	14445907	+	0	NA	intron (N	intron (N	-18506	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr6-3651	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr6	36518658	36519262	+	0	NA	intron (N	intron (N	28519	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr8-1177	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	Intergeni	MLT1G|LTR	149339	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr9-1003	6.402111	-0.62568	0.921617	-0.67889	0.497206	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	MamRep115	33254	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr16-716	4.189563	-0.80218	1.181833	-0.67876	0.497293	0.981636	chr16	71659057	71659416	+	0	NA	intron (N	MIR3|SINE	33052	NM_052858	91862	Hs.513706	NM_052858	ENSG00000	MARVELD3	MARVD3|MR	MARVEL dc	protein-coding
chr20-564	4.189563	-0.80218	1.181833	-0.67876	0.497293	0.981636	chr20	56449630	56450075	+	0	NA	intron (N	intron (N	-18733	NM_016407	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr6-3327	10.83692	-0.48537	0.715218	-0.67863	0.497374	0.981636	chr6	33272509	33276661	+	0	NA	intron (N	intron (N	2510	NM_022551	6222	Hs.448854	NM_022551	ENSG00000	RPS18	D6S218E|H	ribosomal	protein-coding
chr1-2024	12.15234	0.459914	0.677771	0.678568	0.497412	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-31252	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr19-125	12.15234	0.459914	0.677771	0.678568	0.497412	0.981636	chr19	12577092	12583602	+	0	NA	3’ UTR (N	3’ UTR (N	-28865	NM_144976	163050	Hs.655615	NM_144976	ENSG00000	ZNF564	-	zinc fing	protein-coding
chr7-1025	12.15234	0.459914	0.677771	0.678568	0.497412	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	TTS (NM_0	TTS (NM_0	7121	NM_001363	1.08E+08		NM_001363	ENSG00000	UPK3BL2	-	uroplakin	protein-coding
chr17-573	7.879208	0.575301	0.847995	0.678425	0.497502	0.981636	chr17	57393723	57393922	+	0	NA	intron (N	AluSq2|SI	129775	NR_110808	1.02E+08	Hs.639984	NR_110808	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-123	8.475641	0.557713	0.82241	0.678144	0.49768	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	7348	NM_001414	1967	Hs.741273	NM_001414	ENSG00000	EIF2B1	EIF2B|EIF	eukaryoti	protein-coding
chr4-3960	8.475641	0.557713	0.82241	0.678144	0.49768	0.981636	chr4	39604237	39604560	+	0	NA	intron (N	AluSz|SIN	22723	NM_001317	201895	Hs.205952	NM_174921	ENSG00000	SMIM14	C4orf34	small int	protein-coding
chr3-1460	6.451109	-0.62345	0.919821	-0.6778	0.4979	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-1580	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SF	lncRNA sc	ncRNA
chr8-1003	6.451109	-0.62345	0.919821	-0.6778	0.4979	0.981636	chr8	1E+08	1E+08	+	0	NA	promoter-	promoter-	-61	NM_001353	25897	Hs.292882	NM_015435	ENSG00000	RNF19A	RNF19	ring fing	protein-coding
chr9-1320	6.451109	-0.62345	0.919821	-0.6778	0.4979	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	4317	NM_001253	9442	Hs.374262	NM_004269	ENSG00000	MED27	CRAP34|CF	mediator	protein-coding
chr19-266	12.24433	0.467659	0.690064	0.677703	0.49796	0.981636	chr19	26631766	26632414	+	0	NA	Intergeni	ALR/Alpha	-1161341	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1494	11.68904	0.475955	0.70265	0.677371	0.498171	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	1658	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr21-392	8.915373	0.536634	0.792336	0.677281	0.498228	0.981636	chr21	39202003	39202574	+	0	NA	intron (N	L2c|LINE|	-18774	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr10-145	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chr10	14510597	14512891	+	0	NA	Intergeni	L1MB7|LIN	20970	NM_001320	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-985	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chr12	9851939	9854286	+	0	NA	3’ UTR (N	3’ UTR (N	16747	NM_005127	9976	Hs.85201	NM_005127	ENSG00000	CLEC2B	AICL|CLEC	C-type le	protein-coding
chr18-633	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chr18	63339184	63339614	+	0	NA	intron (N	intron (N	-20019	NM_000657	596	Hs.150749	NM_000633	ENSG00000	BCL2	Bcl-2|PPP	BCL2 apop	protein-coding
chr2-1052	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSx|SIN	38172	NM_007227	11250	Hs.590903	NM_007227	ENSG00000	GPR45	PSP24|PSP	G protein	protein-coding
chr2-2350	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-9751	NM_001371306								
chrX-1547	6.443251	-0.62156	0.917775	-0.67725	0.498248	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	TTS (NR_0	TTS (NR_0	561	NR_049842	1.01E+08		NR_049842	ENSG00000	MIR664B	MIR644B|h	microRNA	ncRNA
chr11-276	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr11	27669970	27674136	+	0	NA	intron (N	intron (N	-12404	NM_001143	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr2-1891	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	AluSz6|SI	4012	NM_000393	1290	Hs.445827	NM_000393	ENSG00000	COL5A2	EDSC|EDSC	collagen	protein-coding
chr20-322	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr20	32212204	32212585	+	0	NA	intron (N	AluJo|SIN	4514	NM_015352	23509	Hs.472409	NM_015352	ENSG00000	POFUT1	DDD2|FUT1	protein (	protein-coding
chr21-371	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr21	37198064	37198285	+	0	NA	intron (N	intron (N	-4248	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr4-7323	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr4	73233569	73233884	+	0	NA	intron (N	intron (N	-10669	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr6-5653	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr6	56531246	56532502	+	0	NA	intron (N	L2b|LINE|	111015	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr7-1397	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	(ATA)n|Si	72201	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr8-1129	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr8	11295708	11296949	+	0	NA	intron (N	MIR|SINE|	11512	NM_015458	66036	Hs.591395	NM_015458	ENSG00000	MTMR9	C8orf9|LI	myotubula	protein-coding
chr8-1448	8.606802	-0.54006	0.797897	-0.67686	0.498497	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	5’ UTR (N	5’ UTR (N	1825	NM_001349	7553	Hs.493218	NM_003416	ENSG00000	ZNF7	HF.16|KOX	zinc fing	protein-coding
chr1-1625	8.170769	-0.56022	0.827741	-0.67681	0.498527	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	L1MA7|LIN	-32836	NM_001354	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidin	protein-coding
chr10-313	8.170769	-0.56022	0.827741	-0.67681	0.498527	0.981636	chr10	31309720	31309970	+	0	NA	intron (N	AluSq2|SI	-8572	NM_001323	6935	Hs.124503	NM_030751	ENSG00000	ZEB1	AREB6|BZF	zinc fing	protein-coding
chr11-719	8.170769	-0.56022	0.827741	-0.67681	0.498527	0.981636	chr11	71960718	71961362	+	0	NA	intron (N	intron (N	31994	NM_018320	55298	Hs.368554	NM_018320	ENSG00000	RNF121	-	ring fing	protein-coding
chr5-1156	8.170769	-0.56022	0.827741	-0.67681	0.498527	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10823	NM_181836	51014	Hs.642817	NM_181836	ENSG00000	TMED7	CGI-109|p	transmemb	protein-coding
chr1-1705	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr1	17051398	17052354	+	0	NA	intron (N	AluSq2|SI	2294	NM_003000	6390	Hs.465924	NM_003000	ENSG00000	SDHB	CWS2|IP|P	succinate	protein-coding
chr13-445	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr13	44558879	44559999	+	0	NA	intron (N	intron (N	-16457	NR_038381	641467	Hs.624196	NR_038381	ENSG00000	TSC22D1-A	-	TSC22D1 a	ncRNA
chr13-756	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr13	75671397	75672091	+	0	NA	intron (N	intron (N	35414	NM_001306	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr15-713	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr15	71357920	71358893	+	0	NA	intron (N	intron (N	-169347	NR_120349	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA

chr17-756	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr17	75684593	75685808	+	0	NA	intron (N	intron (N	17862	NM_013260	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTF	SAP30 bir	protein-coding
chr2-1695	4.658877	-0.72955	1.078219	-0.67662	0.498646	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	20414	NM_024622	79675	Hs.529276	NM_024622	ENSG00000	FASTKD1	-	FAST kina	protein-coding
chr21-436	7.441325	0.61336	0.906565	0.676575	0.498676	0.981636	chr21	43672026	43672558	+	0	NA	intron (N	intron (N	12732	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr1-8905	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr1	89051041	89060366	+	0	NA	intron (N	intron (N	9505	NM_002053	2633	Hs.62661	NM_002053	ENSG00000	GBP1	-	guanylate	protein-coding
chr1-1501	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-3494	NR_135098	1.05E+08	Hs.599366	NR_135098		LOC105371	-	uncharact	ncRNA
chr11-873	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr11	8730218	8731285	+	0	NA	exon (NM_	exon (NM_	-38027	NR_120590	1.03E+08	Hs.613276	NR_120590		LOC102724	-	uncharact	ncRNA
chr12-952	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr12	95255365	95256681	+	0	NA	intron (N	intron (N	38216	NM_017599	55591	Hs.24135	NM_017599	ENSG00000	VEZT	VEZATIN	vezatin,	protein-coding
chr13-758	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr13	75848280	75853958	+	0	NA	intron (N	MLT1H2|LT	-19919	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 dowr	protein-coding
chr13-110	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4675	NR_046583	1.01E+08	Hs.508716	NR_046583	ENSG00000	COL4A2-AS	-	COL4A2 ar	ncRNA
chr18-882	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr18	8821551	8827398	+	0	NA	intron (N	intron (N	107093	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-108	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr19	10832820	10833158	+	0	NA	non-codir	non-codir	2751	NR_104015	11018	Hs.211463	NM_006858	ENSG00000	TMED1	IL1RL1LG|	transmemb	protein-coding
chr8-6058	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr8	60584484	60586204	+	0	NA	intron (N	AluJb|SIN	68357	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr9-1322	8.647941	-0.53711	0.794007	-0.67646	0.498749	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	MER104|DN	88574	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr22-222	6.343406	-0.64018	0.946488	-0.67637	0.498805	0.981636	chr22	22288122	22288355	+	0	NA	Intergeni	FLAM_C|SI	-9860	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr19-267	15.38146	0.416563	0.615899	0.67635	0.498819	0.981636	chr19	26785712	26786021	+	0	NA	Intergeni	ALR/Alpha	-1007565	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-732	8.367938	0.550968	0.814677	0.676302	0.498849	0.981636	chr15	73266753	73267243	+	0	NA	intron (N	AluY|SINE	-32912	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr14-210	8.655799	-0.53857	0.796752	-0.67596	0.499066	0.981636	chr14	21073219	21073518	+	0	NA	intron (N	intron (N	-2496	NM_001282	57447	Hs.525205	NM_016250	ENSG00000	NDRG2	SYLD	NDRG fami	protein-coding
chr3-1111	8.655799	-0.53857	0.796752	-0.67596	0.499066	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	TTS (NM_0	TTS (NM_0	122444	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr5-9356	8.655799	-0.53857	0.796752	-0.67596	0.499066	0.981636	chr5	93561060	93563493	+	0	NA	intron (N	intron (N	9067	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr8-1349	8.655799	-0.53857	0.796752	-0.67596	0.499066	0.981636	chr8	13499532	13499760	+	0	NA	exon (NM_	exon (NM_	15205	NR_182643	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|F	DLC1 Rho	protein-coding
chr5-7470	10.87806	-0.48307	0.71477	-0.67584	0.49914	0.981636	chr5	74705221	74707566	+	0	NA	intron (N	L1PA3|LIN	21160	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|F	hexosamir	protein-coding
chr6-1523	7.945771	0.581223	0.860138	0.675733	0.49921	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	-43671	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr1-2368	8.375796	0.549072	0.812643	0.675663	0.499255	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	Tigger3a|	43743	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr16-167	6.36883	-0.63182	0.935345	-0.67549	0.499365	0.981636	chr16	1675501	1675894	+	0	NA	3’ UTR (N	3’ UTR (N	-2582	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr2-1541	6.36883	-0.63182	0.935345	-0.67549	0.499365	0.981636	chr2	15410373	15410709	+	0	NA	intron (N	intron (N	150793	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAC	neuroblas	protein-coding
chr9-1208	6.36883	-0.63182	0.935345	-0.67549	0.499365	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	TTS (NM_0	TTS (NM_0	22550	NR_027442	1E+08	Hs.706815	NR_027442		B3GNT10	-	UDP-GlcNA	pseudo
chr16-676	6.188856	0.635983	0.941749	0.675322	0.499471	0.981636	chr16	67684482	67685771	+	0	NA	3’ UTR (N	3’ UTR (N	18312	NM_001012	388284	Hs.632208	NM_001012	ENSG00000	C16orf86	-	chromosom	protein-coding
chr18-420	6.188856	0.635983	0.941749	0.675322	0.499471	0.981636	chr18	42009684	42010710	+	0	NA	intron (N	Tigger1|D	54963	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr19-417	3.990359	0.781805	1.157774	0.675265	0.499507	0.981636	chr19	4175329	4176159	+	0	NA	exon (NM_	exon (NM_	6562	NM_001321	51548	Hs.423756	NM_016539	ENSG00000	SIRT6	SIR2L6	sirtuin 6	protein-coding
chr1-8859	10.8702	-0.48189	0.713634	-0.67526	0.49951	0.981636	chr1	8859384	8877825	+	0	NA	intron (N	MARNA|DNA	-2014	NR_106786	1.02E+08		NR_106786	ENSG00000	MIR6728	hsa-mir-6	microRNA	ncRNA
chr12-124	10.8702	-0.48189	0.713634	-0.67526	0.49951	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12516	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr1-1557	8.905665	0.528458	0.782625	0.675237	0.499525	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	MIR|SINE|	21506	NM_033657	7818	Hs.516746	NM_004632	ENSG00000	DAP3	DAP-3|MRF	death ass	protein-coding
chr22-299	8.905665	0.528458	0.782625	0.675237	0.499525	0.981636	chr22	29978989	29980111	+	0	NA	intron (N	intron (N	-27499	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr5-1772	8.905665	0.528458	0.782625	0.675237	0.499525	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	37598	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr19-109	5.715842	0.67208	0.995526	0.6751	0.499612	0.981636	chr19	10913745	10914165	+	0	NA	exon (NM_	exon (NM_	14684	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr22-386	5.715842	0.67208	0.995526	0.6751	0.499612	0.981636	chr22	38618448	38619546	+	0	NA	intron (N	intron (N	37395	NM_001013	646851	Hs.542707	NM_001013	ENSG00000	FAM227A	-	family wi	protein-coding
chr1-3510	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr1	35102949	35103579	+	0	NA	intron (N	L1MB5|LIN	23879	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr1-4219	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr1	42196782	42197297	+	0	NA	intron (N	L1M6|LINE	-32294	NM_033553	2980	Hs.778	NM_033553	ENSG00000	GUCA2A	GCAP-I|GU	guanylate	protein-coding
chr10-113	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	4765	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr11-469	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr11	46960062	46961295	+	0	NA	intron (N	AluSq|SIN	23917	NM_001003	79096	Hs.368296	NM_024113	ENSG00000	C11orf49	-	chromosom	protein-coding
chr12-112	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	9032	NM_024953	80018	Hs.530941	NM_024953	ENSG00000	NAA25	C12orf30|	N(alpha)-	protein-coding
chr19-324	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr19	32458027	32460300	+	0	NA	intron (N	intron (N	53038	NM_207325	147991	Hs.194392	NM_207325	ENSG00000	DPY19L3	-	dpy-19 li	protein-coding
chr2-3512	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr2	3512208	3512852	+	0	NA	intron (N	MSTA-int|	5217	NM_001306	55256	Hs.502773	NM_018269	ENSG00000	ADI1	APL1|ARD|	acireduct	protein-coding
chr2-1759	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr2	1.76E+08	1.76E+08	+	0	NA	intron (N	MER2|DNA|	23998	NM_030650	80856	Hs.209561	NM_030650	ENSG00000	LNPK	KIAA1715|	lunapark,	protein-coding
chr2-2018	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	27770	NM_001261	65061	Hs.348711	NM_139158	ENSG00000	CDK15	ALS2CR7|F	cyclin de	protein-coding
chr20-937	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr20	9371067	9372073	+	0	NA	intron (N	intron (N	63770	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr20-463	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr20	46396597	46397575	+	0	NA	intron (N	MARNA|DNA	9529	NM_133171	63916	Hs.210469	NM_022086	ENSG00000	ELMO2	CED-12|CE	engulfmer	protein-coding
chr21-326	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr21	32686578	32687412	+	0	NA	exon (NM_	exon (NM_	40926	NM_001160	8867	Hs.473632	NM_003895	ENSG00000	SYNJ1	EIEE53|IN	synaptoja	protein-coding
chr4-8692	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr4	869247	870281	+	0	NA	intron (N	(CACA)n|S	-43635	NM_006651	10815	Hs.478930	NM_006651	ENSG00000	CPLX1	CPX-I|CPX	complexir	protein-coding
chr4-1556	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr4	15564177	15565275	+	0	NA	intron (N	AluJr|SIN	90631	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box anc	protein-coding
chr4-1187	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	15484	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr4-1635	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr4	1.64E+08	1.64E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25084	NM_018352	55319	Hs.267446	NM_018352	ENSG00000	TMA16	C4orf43	translati	protein-coding
chr5-1461	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	L1ME3C|LI	8853	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr6-1509	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	Tigger19b	-36903	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr8-8997	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr8	89979506	89980547	+	0	NA	intron (N	intron (N	4645	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin	protein-coding
chr9-4567	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr9	4567515	4567861	+	0	NA	exon (NM_	exon (NM_	77220	NM_004170	6505	Hs.444915	NM_004170	ENSG00000	SLC1A1	DCBXA|EAA	solute ca	protein-coding
chr9-7960	4.692159	-0.72107	1.068218	-0.67502	0.499661	0.981636	chr9	79606605	79607552	+	0	NA	intron (N	L1PA6|LIN	33901	NM_001351	7091	Hs.444213	NM_007005	ENSG00000	TLE4	BCE-1|BCE	TLE famil	protein-coding
chr11-130	5.932797	-0.66713	0.988396	-0.67496	0.499702	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-5690	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr2-6990	5.932797	-0.66713	0.988396	-0.67496	0.499702	0.981636	chr2	69907290	69907598	+	0	NA	Intergeni	Intergeni	-7597	NM_001202	4084	Hs.468908	NM_002357	ENSG00000	MXD1	BHLHC58|M	MAX dimer	protein-coding
chr1-1124	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr1	11243441	11244779	+	0	NA	intron (N	AluSp|SIN	18441	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAF	mechanist	protein-coding
chr1-3500	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr1	35008244	35009321	+	0	NA	exon (NM_	exon (NM_	23163	NM_007167	9204	Hs.533986	NM_007167	ENSG00000	ZMYM6	Buster2|M	zinc fing	protein-coding
chr1-1560	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSx4|SI	6958	NM_020131	56893	Hs.283739	NM_020131	ENSG00000	UBQLN4	A1U|A1Up|	ubiquilir	protein-coding
chr1-1656	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	MIR|SINE|	8186	NM_004528	4259	Hs.191734	NM_004528	ENSG00000	MGST3	GST-III	microsoma	protein-coding
chr10-841	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr10	84145703	84147570	+	0	NA	intron (N	intron (N	7127	NM_014394	27069	Hs.352656	NM_014394	ENSG00000	GHITM	DERP2|HSF	growth hc	protein-coding
chr10-973	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr10	97370566	97374663	+	0	NA	intron (N	intron (N	28726	NM_015179	23223	Hs.434251	NM_015179	ENSG00000	RRP12	KIAA0690	ribosomal	protein-coding
chr11-658	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr11	658387	662634	+	0	NA	intron (N	CpG	23241	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr12-742	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr12	7425909	7427357	+	0	NA	intron (N	L1PB1|LIN	17552	NM_001297	283316	Hs.631727	NM_174941	ENSG00000	CD163L1	CD163B|M1	CD163 mol	protein-coding
chr12-122	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	7219	NM_001278	51329	Hs.103561	NM_016638	ENSG00000	ARL6IP4	SFRS20|SF	ADP ribos	protein-coding
chr13-494	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr13	49474155	49474837	+	0	NA	intron (N	intron (N	-21457	NM_001040	51131	Hs.369039	NM_001040	ENSG00000	PHF11	APY|BCAP|	PHD finge	protein-coding
chr14-504	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr14	50485554	50488290	+	0	NA	intron (N	intron (N	45647	NM_198794	11183	Hs.130491	NM_006575	ENSG00000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr16-253	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr16	253180	256183	+	0	NA	exon (NM_	exon (NM_	19860	NM_032039	83986	Hs.513225	NM_032039	ENSG00000	FAM234A	C16orf9|I	family wi	protein-coding
chr16-532	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr16	53294297	53296165	+	0	NA	intron (N	AluSz|SIN	75981	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr16-749	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr16	74943793	74949060	+	0	NA	intron (N	intron (N	38697	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr19-222	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	2225924	2227757	+	0	NA	exon (NM_	exon (NM_	7309	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr19-364	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	3641956	3643003	+	0	NA	intron (N	L1ME4b|LI	-15664	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr19-505	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	5054138	5055588	+	0	NA	intron (N	intron (N	85750	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr19-139	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	13956254	13959419	+	0	NA	intron (N	AluSx|SIN	-4444	NM_001146	79883	Hs.448497	NM_024825	ENSG00000	PODNL1	SLRR5B	podocan l	protein-coding
chr19-144	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	14469559	14470108	+	0	NA	intron (N	intron (N	5521	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr19-365	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	36558718	36559827	+	0	NA	intron (N	L1M3|LINE	-13798	NR_110703	1.02E+08	Hs.515376	NR_110703	ENSG00000	ZNF529-AS	-	ZNF529 ar	ncRNA
chr19-470	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr19	47088815	47091016	+	0	NA	intron (N	intron (N	23861	NM_015168	23211	Hs.104661	NM_015168	ENSG00000	ZC3H4	C19orf7	zinc fing	protein-coding
chr2-2625	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr2	26257080	26259643	+	0	NA	intron (N	LTR17|LTR	13422	NM_001281	3032	Hs.515848	NM_000183	ENSG00000	HADHB	ECHB|MSTF	hydroxyac	protein-coding
chr2-2730	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr2	27309067	27311958	+	0	NA	intron (N	X7C_LINE|	-2067	NM_003353	7349	Hs.534363	NM_003353	ENSG00000	UCN	UI|UROC	urocortir	protein-coding
chr20-621	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr20	62161605	62166426	+	0	NA	intron (N	intron (N	-19010	NM_015666	26164	Hs.340636	NM_015666	ENSG00000	MTG2	GTPBP5|OE	mitochonc	protein-coding
chr22-193	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	19353350	19355590	+	0	NA	intron (N	intron (N	-62751	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLF	clathrin	protein-coding
chr22-207	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	20740924	20745179	+	0	NA	intron (N	L2b|LINE|	-31062	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|F	serpin fa	protein-coding
chr22-293	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	29337097	29341169	+	0	NA	exon (NM_	exon (NM_	-5875	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr22-293	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	29362625	29363567	+	0	NA	exon (NM_	exon (NM_	25474	NM_001166	162	Hs.368794	NM_001127	ENSG00000	AP1B1	ADTB1|AP1	adaptor r	protein-coding
chr22-297	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	29748048	29748468	+	0	NA	intron (N	intron (N	18722	NM_019103	55954	Hs.713647	NM_019103	ENSG00000	ZMAT5	SNRNP20|U	zinc fing	protein-coding
chr22-415	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr22	41500666	41501390	+	0	NA	intron (N	AluJb|SIN	31911	NM_001098	50	Hs.643610	NM_001098	ENSG00000	ACO2	ACONM|HEL	aconitase	protein-coding
chr3-9756	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr3	9756403	9757262	+	0	NA	TTS (NM_0	TTS (NM_0	6888	NM_002542	4968	Hs.380271	NM_002542	ENSG00000	OGG1	HMMH|HOGG	8-oxoguar	protein-coding
chr3-5164	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr3	51640412	51642255	+	0	NA	intron (N	AluSq2|SI	-29842	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr3-5328	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr3	53284671	53285663	+	0	NA	3’ UTR (N	3’ UTR (N	-29053	NR_047580	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketc	protein-coding
chr4-8805	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr4	88056281	88057720	+	0	NA	intron (N	AluJo|SIN	49365	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr6-1551	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr6	15512188	15514042	+	0	NA	intron (N	intron (N	149913	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr7-6701	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr7	67013218	67016470	+	0	NA	intron (N	AluSx|SIN	18011	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chr7-1062	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	26675	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	1110035O1	nicotinam	protein-coding
chr7-1492	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-14979	NM_012256	7988	Hs.490510	NM_012256	ENSG00000	ZNF212	C2H2-150|	zinc fing	protein-coding
chr9-9271	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr9	92719571	92721548	+	0	NA	exon (NM_	exon (NM_	44274	NM_015250	23299	Hs.436939	NM_015250	ENSG00000	BICD2	SMALED2|S	BICD carg	protein-coding
chr9-1143	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	MIRb|SINE	10785	NM_000608	5005	Hs.719954	NM_000608	ENSG00000	ORM2	AGP-B|AGF	orosomucc	protein-coding
chr9-1340	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	CpG	-4806	NR_135126	1E+08	Hs.671096	NR_135126	ENSG00000	LOC100130	-	uncharact	ncRNA
chrX-7427	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chrX	74274599	74275339	+	0	NA	intron (N	MER58A|DN	12240	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|F	microRNA	ncRNA
chrX-1036	6.21243	0.628158	0.930706	0.674926	0.499723	0.981636	chrX	1.04E+08	1.04E+08	+	0	NA	intron (N	L2c|LINE|	8531	NM_012286	9643	Hs.326387	NM_012286	ENSG00000	MORF4L2	MORFL2|MF	mortality	protein-coding
chr14-709	5.641421	0.667028	0.988342	0.674896	0.499742	0.981636	chr14	70969721	70970096	+	0	NA	intron (N	AluSz6|SI	62449	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr1-2673	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr1	26731389	26734729	+	0	NA	intron (N	intron (N	37044	NM_006015	8289	Hs.468972	NM_006015	ENSG00000	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr1-9673	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr1	96733252	96738804	+	0	NA	intron (N	L1MEd|LIN	13390	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brF	polypyrim	protein-coding
chr10-689	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr10	68981127	68984618	+	0	NA	3’ UTR (N	3’ UTR (N	-5931	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 binc	protein-coding
chr12-693	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr12	6935764	6937525	+	0	NA	exon (NM_	exon (NM_	-6794	NM_001301	113246	Hs.405913	NM_138425	ENSG00000	C12orf57	C10|GRCC1	chromosom	protein-coding
chr12-958	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr12	95861154	95863525	+	0	NA	intron (N	L1MB3|LIN	3387	NM_003095	6636	Hs.105465	NM_003095	ENSG00000	SNRPF	SMF|Sm-F|	small nuc	protein-coding
chr12-105	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MLT1J|LTF	10735	NM_001034	160428	Hs.42572	NM_001034	ENSG00000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr18-324	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr18	3249136	3250499	+	0	NA	intron (N	AluSg7|SI	2287	NM_006471	10627	Hs.190086	NM_006471	ENSG00000	MYL12A	HEL-S-24|	myosin li	protein-coding
chr18-210	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr18	21005355	21008027	+	0	NA	intron (N	intron (N	105122	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr18-622	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr18	62222767	62225406	+	0	NA	intron (N	L1PA6|LIN	36831	NR_144412	57614	Hs.465323	NM_020854	ENSG00000	RELCH	HsT3308|F	RAB11 bir	protein-coding
chr19-412	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr19	41220617	41223050	+	0	NA	intron (N	intron (N	2610	NM_001699	558	Hs.590970	NM_001699	ENSG00000	AXL	ARK|JTK11	AXL recep	protein-coding
chr2-1139	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME3|LIN	-26538	NR_110174	1.01E+08	Hs.741753	NR_110174		ACTR3-AS1	-	ACTR3 ant	ncRNA
chr2-1139	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-17233	NR_148507	440900	Hs.662205	NR_034128	ENSG00000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr2-2417	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSp|SIN	4570	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr3-6401	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr3	64017601	64018384	+	0	NA	intron (N	intron (N	5480	NM_001271	9861	Hs.152536	NM_014814	ENSG00000	PSMD6	Rpn7|S10|	proteasom	protein-coding
chr3-1111	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	83528	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-1840	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr4	1840510	1841550	+	0	NA	intron (N	intron (N	15126	NM_012318	3954	Hs.120165	NM_012318	ENSG00000	LETM1	SLC55A1	leucine z	protein-coding
chr5-6925	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr5	69255734	69258796	+	0	NA	intron (N	L1ME1|LIN	22379	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr7-4007	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr7	40079227	40080196	+	0	NA	intron (N	intron (N	54911	NM_138701	136647	Hs.654989	NM_138701	ENSG00000	MPLKIP	ABHS|C7or	M-phase s	protein-coding
chr7-1284	8.640083	-0.53565	0.793832	-0.67477	0.499822	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	11430	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr1-1544	8.416935	0.550011	0.815215	0.674682	0.499878	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-8384	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA

chr12-952	8.416935	0.550011	0.815215	0.674682	0.499878	0.981636	chr12	95283571	95284346	+		0	NA	intron (N	L2|LINE|L	-24462	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|h	microRNA	ncRNA
chr2-1715	8.416935	0.550011	0.815215	0.674682	0.499878	0.981636	chr2	1.72E+08	1.72E+08	+		0	NA	3’ UTR (N	3’ UTR (N	32639	NM_001127	79901	Hs.221941	NM_024843	ENSG00000	CYBRD1	CYB561A2|	cytochrom	protein-coding
chrX-2439	8.416935	0.550011	0.815215	0.674682	0.499878	0.981636	chrX	2439684	2439962	+		0	NA	intron (N	MER1A|DNA	60716	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr3-4869	9.49424	0.517087	0.766561	0.674554	0.499959	0.981636	chr3	48698857	48699933	+		0	NA	intron (N	AluSp|SIN	-13480	NM_016453	51517	Hs.655006	NM_016453	ENSG00000	NCKIPSD	AF3P21|DI	NCK inter	protein-coding
chr15-694	10.82906	-0.48418	0.717826	-0.67451	0.499985	0.981636	chr15	69453643	69456659	+		0	NA	intron (N	intron (N	2333	NM_213725	6176	Hs.356502	NM_001003	ENSG00000	RPLP1	LP1|P1|RF	ribosomal	protein-coding
chr1-1657	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr1	1.66E+08	1.66E+08	+		0	NA	intron (N	AluJo|SIN	15118	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|F	transmemb	protein-coding
chr1-1864	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr1	1.86E+08	1.86E+08	+		0	NA	exon (NM_	exon (NM_	5556	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr1-2011	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr1	2.01E+08	2.01E+08	+		0	NA	intron (N	intron (N	8328	NM_001288	252839	Hs.181444	NM_016456	ENSG00000	TMEM9	DERM4|TME	transmemb	protein-coding
chr11-354	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr11	35430720	35433502	+		0	NA	3’ UTR (N	3’ UTR (N	-12053	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr14-102	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr14	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	35210	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-553	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr15	55379770	55379969	+		0	NA	intron (N	AluSq2|SI	-6835	NR_030358	693213		NR_030358	ENSG00000	MIR628	MIRN628|h	microRNA	ncRNA
chr16-161	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr16	16158382	16159526	+		0	NA	intron (N	intron (N	64517	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr16-678	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr16	67876321	67881666	+		0	NA	exon (NM_	exon (NM_	-5892	NM_198443	123904	Hs.435464	NM_198443	ENSG00000	NRN1L	MRCC2446|	neuritin	protein-coding
chr17-535	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr17	5358619	5358866	+		0	NA	intron (N	intron (N	-60899	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-759	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr17	75953173	75956541	+		0	NA	intron (N	AluSg|SIN	-16625	NM_001319	85302	Hs.720068	NM_001080	ENSG00000	FBF1	Alb|FBF-1	Fas bindi	protein-coding
chr19-498	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr19	49879684	49885819	+		0	NA	intron (N	intron (N	-4395	NM_001278	84335	Hs.515542	NM_032375	ENSG00000	AKT1S1	Lobe|PRAS	AKT1 subs	protein-coding
chr22-193	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr22	19381527	19383820	+		0	NA	intron (N	intron (N	49060	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUF	histone c	protein-coding
chr22-219	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr22	21932675	21933700	+		0	NA	intron (N	intron (N	-5050	NR_147620	1E+08	Hs.659180	NR_147620		LOC100286	-	uncharact	ncRNA
chr3-4867	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr3	48671060	48672141	+		0	NA	Intergeni	Intergeni	7832	NR_111921	1.03E+08	Hs.663571	NR_111921	ENSG00000	LINC02585	CELSR3-AS	long inte	ncRNA
chr4-1185	8.946805	0.529419	0.784901	0.674504	0.499991	0.981636	chr4	1.19E+08	1.19E+08	+		0	NA	intron (N	intron (N	5835	NR_109983	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr15-591	8.646091	-0.5476	0.812011	-0.67437	0.500075	0.981636	chr15	59194602	59195492	+		0	NA	intron (N	intron (N	-11796	NM_033195	92483	Hs.307052	NM_033195	ENSG00000	LDHAL6B	LDH6B|LDH	lactate c	protein-coding
chr6-1697	8.646091	-0.5476	0.812011	-0.67437	0.500075	0.981636	chr6	1.7E+08	1.7E+08	+		0	NA	intron (N	THE1A|LTR	5529	NM_001278	55780	Hs.47546	NM_018341	ENSG00000	ERMARD	C6orf70|F	ER membra	protein-coding
chr11-111	8.897807	0.530233	0.786407	0.674247	0.500154	0.981636	chr11	1.12E+08	1.12E+08	+		0	NA	intron (N	L1MA9|LIN	77502	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr9-3305	11.15917	0.488747	0.725049	0.674089	0.500255	0.981636	chr9	33052460	33052744	+		0	NA	intron (N	intron (N	24072	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr22-245	5.899515	-0.67398	0.999843	-0.67408	0.500258	0.981636	chr22	24576339	24576617	+		0	NA	Intergeni	AluSq2|SI	-7272	NM_013430	2678	Hs.595809	NM_005265	ENSG00000	GGT1	CD224|D22	gamma-glu	protein-coding
chr5-1797	5.899515	-0.67398	0.999843	-0.67408	0.500258	0.981636	chr5	1.8E+08	1.8E+08	+		0	NA	intron (N	HAL1|LINE	16831	NM_014757	9794	Hs.631951	NM_014757	ENSG00000	MAML1	Mam-1|Man	mastermin	protein-coding
chr10-103	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	intron (N	AluJb|SIN	25281	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr12-121	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr12	12199951	12200577	+		0	NA	intron (N	intron (N	66780	NM_002336	4040	Hs.584775	NM_002336	ENSG00000	LRP6	ADCAD2|ST	LDL recep	protein-coding
chr15-297	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr15	29793153	29794947	+		0	NA	intron (N	L1MA3|LIN	26624	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr15-341	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr15	34142185	34143207	+		0	NA	intron (N	intron (N	40613	NM_152595	161779	Hs.156317	NM_152595	ENSG00000	PGBD4	-	piggyBac	protein-coding
chr2-2894	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr2	28940205	28940721	+		0	NA	intron (N	AluSp|SIN	12480	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr2-1310	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr2	1.31E+08	1.31E+08	+		0	NA	intron (N	MER3|DNA|	6456	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr20-436	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr20	43621972	43623083	+		0	NA	intron (N	AluY|SINE	31590	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr4-1959	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr4	1959230	1961352	+		0	NA	intron (N	intron (N	-14345	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Ca	ncRNA
chr6-3217	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr6	32171468	32171667	+		0	NA	intron (N	intron (N	-1451	NR_106779	1.02E+08		NR_106779	ENSG00000	MIR6721	hsa-mir-6	microRNA	ncRNA
chr7-1732	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr7	17323881	17324721	+		0	NA	intron (N	intron (N	25649	NM_001621	196	Hs.171189	NM_001621	ENSG00000	AHR	RP85|bHLH	aryl hydr	protein-coding
chr8-9769	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chr8	97690121	97691565	+		0	NA	intron (N	intron (N	46659	NM_001363	92140	Hs.377155	NM_178812	ENSG00000	MTDH	3D3|AEG-1	metadheri	protein-coding
chrX-5481	6.435393	-0.61961	0.919622	-0.67376	0.500461	0.981636	chrX	54814015	54814447	+		0	NA	promoter-	promoter-	-139	NR_002953	677799	Hs.679783	NR_002953	ENSG00000	SNORA11	SNORA11A|	small nuc	snoRNA
chr19-551	9.00551	0.536785	0.796914	0.67358	0.500578	0.981636	chr19	55101537	55101813	+		0	NA	intron (N	intron (N	15962	NM_017607	54776	Hs.631579	NM_017607	ENSG00000	PPP1R12C	AAVS1|LEN	protein p	protein-coding
chr17-823	9.460959	0.5144	0.763983	0.673313	0.500748	0.981636	chr17	8231542	8232855	+		0	NA	exon (NM_	exon (NM_	-8155	NR_026951	284029	Hs.121692	NM_173621	ENSG00000	LINC00324	C17orf44|	long inte	ncRNA
chr3-5328	8.57352	-0.54462	0.809109	-0.67311	0.500875	0.981636	chr3	53286519	53286758	+		0	NA	3’ UTR (N	3’ UTR (N	-30524	NR_047580	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketo	protein-coding
chr8-4459	42.96377	0.273628	0.406515	0.673107	0.500879	0.981636	chr8	44594451	44594671	+		0	NA	Intergeni	ALR/Alpha	1302119	NM_001002	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr10-125	7.894554	0.939092	1.395454	0.672965	0.500969	0.981636	chr10	1.26E+08	1.26E+08	+		0	NA	intron (N	MER44B|DN	7042	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr11-352	10.86234	-0.4807	0.714359	-0.67291	0.501004	0.981636	chr11	35214779	35226617	+		0	NA	intron (N	intron (N	57748	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr15-603	10.86234	-0.4807	0.714359	-0.67291	0.501004	0.981636	chr15	60394238	60397060	+		0	NA	intron (N	intron (N	2337	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr4-1187	10.86234	-0.4807	0.714359	-0.67291	0.501004	0.981636	chr4	1.19E+08	1.19E+08	+		0	NA	intron (N	L1PA6|LIN	53473	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr7-7409	10.86234	-0.4807	0.714359	-0.67291	0.501004	0.981636	chr7	74096057	74097911	+		0	NA	intron (N	intron (N	3767	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr1-1657	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr1	1.66E+08	1.66E+08	+		0	NA	intron (N	AluJb|SIN	26518	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|F	transmemb	protein-coding
chr1-2352	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr1	2.35E+08	2.35E+08	+		0	NA	intron (N	AluJb|SIN	-38178	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr1-2360	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr1	2.36E+08	2.36E+08	+		0	NA	intron (N	intron (N	40517	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr10-119	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr10	1.2E+08	1.2E+08	+		0	NA	intron (N	intron (N	21301	NM_004281	9531	Hs.523309	NM_004281	ENSG00000	BAG3	BAG-3|BIS	BCL2 assc	protein-coding
chr11-472	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr11	47244125	47245386	+		0	NA	exon (NM_	exon (NM_	-3545	NM_001251	10062	Hs.438863	NM_005693	ENSG00000	NR1H3	LXR-a|LXR	nuclear r	protein-coding
chr6-1112	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr6	1.11E+08	1.11E+08	+		0	NA	Intergeni	Intergeni	17205	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr9-1124	8.913523	0.526673	0.782798	0.672809	0.501069	0.981636	chr9	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	-31563	NM_001287	158405	Hs.656619	NM_133465	ENSG00000	KIAA1958	-	KIAA1958	protein-coding
chr16-746	9.468817	0.512698	0.762382	0.672495	0.501269	0.981636	chr16	74695103	74695468	+		0	NA	intron (N	intron (N	5577	NM_001142	197259	Hs.119878	NM_152649	ENSG00000	MLKL	hMLKL	mixed lin	protein-coding
chr2-2164	3.957077	0.776423	1.15491	0.672281	0.501405	0.981636	chr2	2.16E+08	2.16E+08	+		0	NA	intron (N	intron (N	-22543	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr18-588	10.39302	-0.49713	0.739711	-0.67206	0.501548	0.981636	chr18	58867862	58869412	+		0	NA	intron (N	L1ME1|LIN	3760	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr1-4836	5.649279	0.664114	0.98833	0.671955	0.501612	0.981636	chr1	48369243	48369834	+		0	NA	intron (N	L1PA3|LIN	102666	NM_019073	54558	Hs.538103	NM_019073	ENSG00000	SPATA6	HASH|SRF-	spermatog	protein-coding
chr11-723	5.633563	0.669816	0.997078	0.671779	0.501724	0.981636	chr11	72300381	72300708	+		0	NA	intron (N	G-rich|Lo	-56368	NM_005169	401	Hs.731115	NM_005169	ENSG00000	PHOX2A	ARIX|CFEO	paired li	protein-coding
chr2-2064	8.548096	-0.55087	0.820217	-0.67162	0.501828	0.981636	chr2	20640453	20640719	+		0	NA	intron (N	intron (N	10512	NM_022460	64342	Hs.531785	NM_022460	ENSG00000	HS1BP3	ETM2|HS1-	HCLS1 bin	protein-coding
chr13-321	8.450217	0.552816	0.8233	0.671463	0.501925	0.981636	chr13	32117773	32118086	+		0	NA	intron (N	MIR3|SINE	86155	NM_023037	10129	Hs.507669	NM_023037	ENSG00000	FRY	13CDNA73|	FRY micro	protein-coding
chr1-2330	8.383654	0.547102	0.814993	0.671297	0.502031	0.981636	chr1	23309840	23310215	+		0	NA	3’ UTR (N	3’ UTR (N	-24509	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr4-1431	8.129629	-0.56328	0.839566	-0.67092	0.50227	0.981636	chr4	1.43E+08	1.43E+08	+		0	NA	intron (N	L2a|LINE|	4135	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitin	protein-coding
chr6-1634	8.129629	-0.56328	0.839566	-0.67092	0.50227	0.981636	chr6	1.63E+08	1.63E+08	+		0	NA	intron (N	L1MEg|LIN	56369	NM_206853	9444	Hs.510324	NM_006775	ENSG00000	QKI	Hqk|QK|QK	QKI, KH c	protein-coding
chr1-2014	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr1	2.01E+08	2.01E+08	+		0	NA	intron (N	intron (N	987	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr10-350	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr10	35052673	35052872	+		0	NA	intron (N	AluYh3|SI	21511	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr11-102	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr11	1.02E+08	1.02E+08	+		0	NA	Intergeni	L1P4d|LIN	43860	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr11-122	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr11	1.22E+08	1.22E+08	+		0	NA	intron (N	intron (N	33850	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr12-779	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr12	77950628	77951757	+		0	NA	intron (N	L1PA5|LIN	120298	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr18-420	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr18	42015097	42015893	+		0	NA	exon (NM_	exon (NM_	60261	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr2-5389	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr2	53897373	53898186	+		0	NA	intron (N	intron (N	-37746	NM_001164	1E+08	Hs.40763	NM_001164	ENSG00000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-1918	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr2	1.92E+08	1.92E+08	+		0	NA	exon (NM_	exon (NM_	10919	NM_004657	8436	Hs.26530	NM_004657	ENSG00000	CAVIN2	PS-p68|SD	caveolae	protein-coding
chr2-2153	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr2	2.15E+08	2.15E+08	+		0	NA	intron (N	AluY|SINE	21776	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-322	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr20	32220197	32220396	+		0	NA	intron (N	MLT1G3|LT	12416	NM_015352	23509	Hs.472409	NM_015352	ENSG00000	POFUT1	DDD2|FUT1	protein O	protein-coding
chr3-1239	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr3	1.24E+08	1.24E+08	+		0	NA	intron (N	intron (N	30822	NM_001366	64770	Hs.645028	NM_022757	ENSG00000	CCDC14	-	coiled-cc	protein-coding
chr4-7736	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr4	773615	777844	+		0	NA	Intergeni	AluSx1|SI	6119	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr7-7431	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr7	74317587	74317871	+		0	NA	intron (N	intron (N	28254	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly c	protein-coding
chr7-8173	8.632225	-0.53418	0.796229	-0.67088	0.502294	0.981636	chr7	81738056	81745501	+		0	NA	TTS (NM_0	TTS (NM_0	28269	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr11-102	8.598944	-0.5386	0.802953	-0.67078	0.502362	0.981636	chr11	10298879	10300297	+		0	NA	Intergeni	MER45A|DN	-5381	NM_030962	81846	Hs.577252	NM_030962	ENSG00000	SBF2	CMT4B2|DE	SET bindi	protein-coding
chr13-483	8.598944	-0.5386	0.802953	-0.67078	0.502362	0.981636	chr13	48353260	48354210	+		0	NA	intron (N	L1MA1|LIN	49988	NM_000321	5925	Hs.408528	NM_000321	ENSG00000	RB1	OSRC|PPP1	RB transc	protein-coding
chr17-318	8.598944	-0.5386	0.802953	-0.67078	0.502362	0.981636	chr17	31867815	31868036	+		0	NA	intron (N	AluSc|SIN	-8681	NM_018405	55352	Hs.462729	NM_018405	ENSG00000	COPRS	C17orf79|	coordinat	protein-coding
chr2-6134	8.598944	-0.5386	0.802953	-0.67078	0.502362	0.981636	chr2	61343172	61344082	+		0	NA	intron (N	intron (N	73750	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr20-365	8.598944	-0.5386	0.802953	-0.67078	0.502362	0.981636	chr20	36508887	36509086	+		0	NA	intron (N	L1ME3Cz|L	-32533	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr11-733	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr11	73367280	73367479	+		0	NA	intron (N	intron (N	-9020	NM_152222	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr12-625	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr12	62551222	62551666	+		0	NA	intron (N	Tigger1|D	51990	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr14-751	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr14	75114587	75115257	+		0	NA	intron (N	MIRb|SINE	12126	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr17-294	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr17	29419825	29420143	+		0	NA	intron (N	AluJb|SIN	29059	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAP	TAO kinas	protein-coding
chr2-6507	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr2	65073603	65074259	+		0	NA	intron (N	intron (N	17515	NM_001319	23177	Hs.709257	NM_015147	ENSG00000	CEP68	KIAA0582	centrosom	protein-coding
chr4-1278	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr4	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	21243	NM_001317	22824	Hs.135554	NM_014278	ENSG00000	HSPA4L	APG-1|HSP	heat shoc	protein-coding
chr5-3388	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr5	33880705	33881104	+		0	NA	intron (N	intron (N	11086	NM_001324	81792	Hs.12680	NM_030955	ENSG00000	ADAMTS12	PRO4389	ADAM meta	protein-coding
chr7-5194	6.17129	0.626973	0.934699	0.670776	0.502363	0.981636	chr7	5194361	5195002	+		0	NA	intron (N	AluJb|SIN	4448	NM_015610	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr1-1235	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr1	12354396	12355206	+		0	NA	intron (N	MIRb|SINE	124771	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3589	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr1	35895844	35896837	+		0	NA	intron (N	MER5A1|DN	13131	NM_012199	26523	Hs.22867	NM_012199	ENSG00000	AGO1	EIF2C|EIF	argonaute	protein-coding
chr1-3923	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr1	39237041	39237630	+		0	NA	intron (N	L2b|LINE|	153168	NM_012090	23499	Hs.472475	NM_012090	ENSG00000	MACF1	ABP620|AC	microtubu	protein-coding
chr1-6700	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr1	67001707	67001952	+		0	NA	3’ UTR (N	3’ UTR (N	52319	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-1002	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr1	1E+08	1E+08	+		0	NA	intron (N	L1PA7|LIN	-22898	NM_001256	127495	Hs.44277	NM_144620	ENSG00000	LRRC39	-	leucine r	protein-coding
chr11-929	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr11	9297040	9298542	+		0	NA	intron (N	AluJr|SIN	16802	NM_001165	440026	Hs.594563	NM_015012	ENSG00000	TMEM41B	-	transmemb	protein-coding
chr11-468	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr11	46800944	46802239	+		0	NA	intron (N	AluSx1|SI	-39092	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr12-506	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr12	50698207	50700749	+		0	NA	intron (N	MIR|SINE|	-64623	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr15-281	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr15	28168454	28169145	+		0	NA	intron (N	intron (N	-69484	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr17-544	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr17	5447053	5447808	+		0	NA	intron (N	AluSc8|SI	-8275	NM_001212	708	Hs.555866	NM_001212	ENSG00000	C1QBP	COXPD33|C	complemen	protein-coding
chr18-119	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr18	11904936	11906284	+		0	NA	intron (N	intron (N	2707	NM_001242	65258	Hs.712666	NM_023075	ENSG00000	MPPE1	PGAP5	metalloph	protein-coding
chr19-513	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr19	51347154	51350170	+		0	NA	intron (N	L1MA10|LI	6180	NM_001014	2109	Hs.348531	NM_001985	ENSG00000	ETFB	FP585|MAD	electron	protein-coding
chr2-1180	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr2	1.18E+08	1.18E+08	+		0	NA	intron (N	intron (N	5645	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr2-1912	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr2	1.91E+08	1.91E+08	+		0	NA	intron (N	MLT1L|LTR	35064	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr2-2010	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr2	2.01E+08	2.01E+08	+		0	NA	intron (N	L1M5|LINE	10603	NM_001257	4709	Hs.109760	NM_002491	ENSG00000	NDUFB3	B12|CI-B1	NADH:ubic	protein-coding
chr2-2417	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr2	2.42E+08	2.42E+08	+		0	NA	intron (N	intron (N	14322	NM_001287	728294	Hs.516813	NM_152783	ENSG00000	D2HGDH	D2HGD	D-2-hydro	protein-coding
chr20-558	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr20	5582510	5584078	+		0	NA	intron (N	AluSx1|SI	27712	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr3-1131	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr3	11311872	11312185	+		0	NA	intron (N	L1MB7|LIN	39631	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-1287	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr3	1.29E+08	1.29E+08	+		0	NA	intron (N	THE1B-int	25106	NM_004637	7879	Hs.684374	NM_004637	ENSG00000	RAB7A	PRO2706|F	RAB7A, me	protein-coding
chr4-6295	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr4	6295414	6296726	+		0	NA	intron (N	intron (N	26220	NM_001145	7466	Hs.518602	NM_006005	ENSG00000	WFS1	CTRCT41|W	wolframin	protein-coding
chr6-4344	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr6	43449426	43451332	+		0	NA	TTS (NM_2	TTS (NM_2	5169	NM_001286	65989	Hs.337251	NM_023932	ENSG00000	DLK2	DLK-2|EGF	delta lik	protein-coding
chr7-7554	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr7	75546982	75548856	+		0	NA	intron (N	intron (N	-19796	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr9-1302	6.179148	0.624408	0.931	0.670685	0.502422	0.981636	chr9	1.3E+08	1.3E+08	+		0	NA	intron (N	AluSx|SIN	18266	NM_001128	23413	Hs.642946	NM_014286	ENSG00000	NCS1	FLUP|FREQ	neuronal	protein-coding
chrX-1302	9.502098	0.515417	0.76854	0.670645	0.502447	0.981636	chrX	1.3E+08	1.3E+08	+		0	NA	intron (N	AluJo|SIN	25534	NM_017666	55609	Hs.308418	NM_017666	ENSG00000	ZNF280C	SUHW3|ZNF	zinc fing	protein-coding
chr1-6487	6.206422	0.645391	0.962363	0.670631	0.502455	0.981636	chr1	64873381	64873660	+		0	NA	exon (NM_	exon (NM_	93029	NM_001321	3716	Hs.207538	NM_002227	ENSG00000	JAK1	JAK1A|JAK	Janus kin	protein-coding
chr10-457	12.65679	0.44585	0.664841	0.670612	0.502468	0.981636	chr10	45777712	45784061	+		0	NA	intron (N	AluSq2|SI	36438	NM_001351	643479	Hs.522900	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr19-120	12.65679	0.44585	0.664841	0.670612	0.502468	0.981636	chr19	12067798	12080664	+		0	NA	intron (N	intron (N	9500	NM_001136	284391	Hs.646391	NM_001136	ENSG00000	ZNF844	-	zinc fing	protein-coding
chr19-400	12.65679	0.44585	0.664841	0.670612	0.502468	0.981636	chr19	40073965	40081706	+		0	NA	intron (N	L1M2|LINE	13068	NM_001010	284323	Hs.115140	NM_001010	ENSG00000	ZNF780A	ZNF780	zinc fing	protein-coding
chr19-521	12.65679	0.44585	0.664841	0.670612	0.502468	0.981636	chr19	52114976	52130419	+		0	NA	intron (N	AluY|SINE	17241	NM_178523	90317	Hs.645225	NM_178523	ENSG00000	ZNF616	-	zinc fing	protein-coding
chr11-970	8.980087	0.532166	0.793768	0.67043	0.502584	0.981636	chr11	970387	970871	+		0	NA	intron (N	intron (N	44759	NM_012305	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr3-4758	8.980087	0.532166	0.793768	0.67043	0.502584	0.981636	chr3	47587987	47588248	+		0	NA	3’ UTR (N	3’ UTR (N	-7877	NM_001206	10675	Hs.45127	NM_006574	ENSG00000	CSPG5	NGC	chondroit	protein-coding
chr11-103	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr11	1.03E+08	1.03E+08	+		0	NA	intron (N	L1MDa|LIN	17989	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding

chr16-207	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr16	20797457	20798004	+	0	NA	TTS (NM_	TTS (NM_	8742	NM_00114	112479	Hs.248437	NM_08066	ENSG0000	ERI2	EXOD1|ZGF	ERI1 exor	protein-coding
chr17-365	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr17	36551270	36551875	+	0	NA	intron (	AluSx|SIN	6653	NM_02483	79893	Hs.51411	NM_02483	ENSG0000	GGNBP2	DIF-3|DIF	gametoger	protein-coding
chr19-183	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr19	18309520	18309892	+	0	NA	exon (NM_	exon (NM_	13370	NM_012321	25804	Hs.51525	NM_012321	ENSG0000	LSM4	GRP|YER11	LSM4 homc	protein-coding
chr19-367	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr19	36765903	36766135	+	0	NA	intron (	AluSz6|SI	6788	NM_00119	342892	Hs.406307	NM_00119	ENSG0000	ZNF850	ZNF850P	zinc fing	protein-coding
chr7-7368	6.394253	-0.62365	0.931869	-0.66925	0.503339	0.981636	chr7	73689306	73689691	+	0	NA	intron (	L2c|LINE|	5901	NR_04551	114049	Hs.64706	NM_01752	ENSG0000	BUD23	HASJ4442|	BUD23 rRN	protein-coding
chr12-531	9.435535	0.510054	0.76221	0.669178	0.503382	0.981636	chr12	53182036	53182619	+	0	NA	intron (	L2c|LINE|	-1402	NM_001244	51380	Hs.27981	NM_01598	ENSG0000	CSAD	CSD|PCAP	cysteine	protein-coding
chr17-293	9.435535	0.510054	0.76221	0.669178	0.503382	0.981636	chr17	29398780	29400446	+	0	NA	intron (	intron (	8688	NM_02514	57551	Hs.597434	NM_020791	ENSG0000	TAOK1	KFC-B|MAF	TAO kinas	protein-coding
chr17-391	9.435535	0.510054	0.76221	0.669178	0.503382	0.981636	chr17	39176789	39177867	+	0	NA	exon (NM_	exon (NM_	-11167	NM_00114	390790	Hs.568007	NM_00114	ENSG0000	ARL5C	ARL12	ADP ribos	protein-coding
chr19-117	9.435535	0.510054	0.76221	0.669178	0.503382	0.981636	chr19	11772693	11773211	+	0	NA	intron (	AluY|SINE	5952	NM_15235	126068	Hs.67513	NM_15235	ENSG0000	ZNF441	-	zinc fing	protein-coding
chr2-2009	9.435535	0.510054	0.76221	0.669178	0.503382	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (	(AAAT)n|S	6872	NR_03391	4999	Hs.44487	NM_00619	ENSG0000	ORC2	ORC2L	origin re	protein-coding
chr3-1423	8.162911	-0.55849	0.834743	-0.66906	0.50346	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (	L1ME1|LIN	86665	NM_00128	54464	Hs.43510	NM_019001	ENSG0000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr4-1192	10.85448	-0.47949	0.716963	-0.66879	0.503632	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	3’ UTR (	3’ UTR (	3233	NM_001001	401152	Hs.17370	NM_001001	ENSG0000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr1-1567	9.476675	0.511029	0.764354	0.668576	0.503766	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (	AluSx1|SI	16081	NM_00597	5546	Hs.51694	NM_00597	ENSG0000	PRCC	RCCP1|TPF	proline r	protein-coding
chr19-578	9.476675	0.511029	0.764354	0.668576	0.503766	0.981636	chr19	57807961	57809105	+	0	NA	exon (NM_	exon (NM_	6380	NM_02476	79818	Hs.560727	NM_02476	ENSG0000	ZNF552	-	zinc fing	protein-coding
chr1-1788	9.443393	0.508368	0.760612	0.668367	0.503899	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (	MER44C|DN	-23600	NM_00467	9068	Hs.591474	NM_00467	ENSG0000	ANGPTL1	ANG3|ANGF	angiopoie	protein-coding
chr17-283	9.443393	0.508368	0.760612	0.668367	0.503899	0.981636	chr17	28349856	28355483	+	0	NA	intron (	AluSx1|SI	4858	NM_015584	26073	Hs.24154	NM_015584	ENSG0000	POLDIP2	PDIP38|PC	DNA polym	protein-coding
chr19-110	9.443393	0.508368	0.760612	0.668367	0.503899	0.981636	chr19	11021610	11022364	+	0	NA	intron (	intron (	37835	NM_00112	6597	Hs.327527	NM_00307	ENSG0000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr22-317	9.443393	0.508368	0.760612	0.668367	0.503899	0.981636	chr22	31715072	31717825	+	0	NA	exon (NM_	exon (NM_	33684	NM_17356	253143	Hs.43890	NM_17356	ENSG0000	PRR14L	C22orf30	proline r	protein-coding
chr19-519	12.66465	0.444593	0.66619	0.667367	0.504538	0.981636	chr19	51993437	52004934	+	0	NA	intron (	L1M4|LINE	9026	NM_00119	284370	Hs.36835	NM_19848	ENSG0000	ZNF615	-	zinc fing	protein-coding
chr11-330	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr11	33095002	33095521	+	0	NA	intron (	AluJr4|SI	19111	NR_015451	283267	Hs.533701	NR_015451	ENSG0000	LINC00294	NCRNA0029	long inte	ncRNA
chr12-896	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr12	89601335	89603854	+	0	NA	intron (	intron (	-76332	NM_00119	1.01E+08	Hs.25130	NM_00119	ENSG0000	POC1B-GAL	GALNT4|Ga	POC1B-GAL	protein-coding
chr14-885	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr14	88514666	88514865	+	0	NA	intron (	intron (	40242	NM_00703	11099	Hs.43704	NM_00703	ENSG0000	PTPN21	PTPD1|PTF	protein t	protein-coding
chr5-1685	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (	AluJr4|SI	17415	NM_002887	5917	Hs.654907	NM_002887	ENSG0000	RARS	ArgRS|DAL	arginyl-t	protein-coding
chr6-5227	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr6	52278601	52279018	+	0	NA	exon (NM_	exon (NM_	5933	NM_00127	4172	Hs.17956	NM_00238	ENSG0000	MCM3	HCC5|P1-M	minichrom	protein-coding
chr7-1407	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	-102624	NR_02445	1E+08	Hs.534141	NR_02445	ENSG0000	NDUFB2-AS	-	NDUFB2 ar	ncRNA
chr8-1797	6.427535	-0.61756	0.92546	-0.66731	0.504577	0.981636	chr8	17976082	17976927	+	0	NA	intron (	LTR75|LTF	53516	NM_00135	5108	Hs.49114	NM_006197	ENSG0000	PCM1	PTC4|RET/	pericentr	protein-coding
chr1-1503	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	3’ UTR (	3’ UTR (	-12922	NM_00135	9129	Hs.11776	NM_00469	ENSG0000	PRPF3	HPRP3|HPF	pre-mRNA	protein-coding
chr2-1272	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr2	12725051	12726225	+	0	NA	intron (	intron (	8702	NR_02730	28951	Hs.467751	NM_02164	ENSG0000	TRIB2	C5FW|GS39	tribbles	protein-coding
chr20-629	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr20	62943667	62946736	+	0	NA	3’ UTR (	3’ UTR (	7054	NM_01789	54994	Hs.35301	NM_01789	ENSG0000	GID8	C20orf11|	GID compl	protein-coding
chr22-309	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr22	30937441	30942571	+	0	NA	exon (NM_	exon (NM_	17698	NR_02692	150291	Hs.59220	NM_153044	ENSG0000	MORC2-AS1	C22orf27|	MORC2 ant	ncRNA
chr3-2575	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr3	25750840	25751051	+	0	NA	intron (	MER8|DNA|	32498	NM_018297	55768	Hs.36896	NM_018297	ENSG0000	NGLY1	CDDG|CDG1	N-glycana	protein-coding
chr3-1680	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (	AluSz|SIN	53524	NM_01449	27333	Hs.14360	NM_01449	ENSG0000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr9-1298	8.921381	0.524843	0.786928	0.666952	0.504803	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (	AluYm1|SI	4975	NM_01652	51759	Hs.27842	NM_01652	ENSG0000	C9orf78	CSU2|HCA5	chromosom	protein-coding
chr19-372	9.427677	0.511784	0.767469	0.666845	0.504871	0.981636	chr19	37222425	37222724	+	0	NA	intron (	AluSq2|SI	-3890	NM_152604	163087	Hs.59097	NM_152604	ENSG0000	ZNF383	HSD17	zinc fing	protein-coding
chr10-133	8.673365	-0.53122	0.796644	-0.66682	0.504885	0.981636	chr10	13328134	13328811	+	0	NA	intron (	intron (	19821	NM_012247	22929	Hs.124027	NM_012247	ENSG0000	SEPHS1	SELD|SPS|	selenopho	protein-coding
chr9-1103	8.673365	-0.53122	0.796644	-0.66682	0.504885	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	-31830	NM_00128	255220	Hs.147064	NM_00100	ENSG0000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr10-731	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr10	73123041	73123942	+	0	NA	intron (	intron (	2716	NR_14577	1.1E+08		NR_14577	ENSG0000	SNORA11F	-	small nuc	snoRNA
chr11-626	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr11	62619171	62620075	+	0	NA	intron (	AluSx|SIN	2363	NM_00128	26229	Hs.50275	NM_01220	ENSG0000	B3GAT3	GLCATI|JE	beta-1,3-	protein-coding
chr13-455	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr13	45507992	45508945	+	0	NA	intron (	intron (	43529	NM_031431	83548	Hs.50794	NM_031431	ENSG0000	COG3	SEC34	component	protein-coding
chr18-130	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr18	13063057	13065855	+	0	NA	intron (	AluY|SINE	73094	NM_03214	55125	Hs.100914	NM_01806	ENSG0000	CEP192	PPP1R62	centrosom	protein-coding
chr2-2032	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (	AluSx1|SI	4968	NM_17753	57404	Hs.44606	NM_020674	ENSG0000	CYP20A1	CYP-M	cytochrom	protein-coding
chr5-9547	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr5	95478204	95479724	+	0	NA	intron (	L1ME3B|LI	76041	NM_01463	9652	Hs.48286	NM_01463	ENSG0000	TTC37	KIAA0372|	tetratric	protein-coding
chr8-6152	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr8	61520787	61522524	+	0	NA	intron (	Tigger12c	168156	NM_001164	444	Hs.33242	NM_00431	ENSG0000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr9-1369	4.684301	-0.71836	1.077643	-0.66661	0.505024	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (	AluSx|SIN	25650	NM_01899	54461	Hs.522507	NM_01899	ENSG0000	FBXW5	Fbw5	F-box anc	protein-coding
chr1-1932	8.681223	-0.53266	0.799397	-0.66632	0.505205	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (	MER46C|DN	-19894	NM_00378	8707	Hs.518834	NM_00378	ENSG0000	B3GALT2	BETA3GALT	beta-1,3-	protein-coding
chr13-771	6.734442	0.596607	0.895777	0.666022	0.505397	0.981636	chr13	77192236	77192956	+	0	NA	intron (	intron (	117082	NR_04671	1.01E+08	Hs.56928	NR_04671	ENSG0000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr12-109	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	non-codir	non-codir	26924	NR_13389	83892	Hs.524731	NM_031954	ENSG0000	KCTD10	BTBD28|MS	potassium	protein-coding
chr16-503	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr16	50316323	50317035	+	0	NA	3’ UTR (	3’ UTR (	24063	NR_10682	1.02E+08		NR_10682	ENSG0000	MIR6771	hsa-mir-6	microRNA	ncRNA
chr20-411	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr20	41127804	41129627	+	0	NA	intron (	L1PA3|LIN	-8828	NM_182811	5335	Hs.268177	NM_00266	ENSG0000	PLCG1	NCKAP3|PL	phospholi	protein-coding
chr6-3370	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr6	33708480	33709042	+	0	NA	intron (	intron (	2939	NM_03234	84300	Hs.73244	NM_03234	ENSG0000	UQCC2	C6orf125|	ubiquinol	protein-coding
chr6-1580	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	45463	NM_00117	8871	Hs.434494	NM_00389	ENSG0000	SYNJ2	INPP5H	synaptoja	protein-coding
chr9-3504	6.879284	-0.59145	0.888556	-0.66563	0.505646	0.981636	chr9	35049253	35050176	+	0	NA	Intergeni	Intergeni	7474	NM_20329	138724	Hs.14825	NM_20329	ENSG0000	C9orf131	-	chromosom	protein-coding
chr1-1626	8.20405	-0.5552	0.834215	-0.66554	0.505707	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (	L1MC1|LIN	7193	NM_00618	4921	Hs.275757	NM_00618	ENSG0000	DDR2	MIG20a|NT	discoidir	protein-coding
chr22-177	8.880242	0.523863	0.787286	0.665404	0.505792	0.981636	chr22	17726909	17727890	+	0	NA	exon (NM_	exon (NM_	20741	NM_00127	23786	Hs.63167	NM_015367	ENSG0000	BCL2L13	BCL-RAMBC	BCL2 like	protein-coding
chr22-503	8.880242	0.523863	0.787286	0.665404	0.505792	0.981636	chr22	50360216	50360984	+	0	NA	intron (	AluJr4|SI	17273	NM_001351	9701	Hs.44909	NM_01467	ENSG0000	PPP6R2	KIAA0685|	protein p	protein-coding
chr3-1224	8.880242	0.523863	0.787286	0.665404	0.505792	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	46404	NR_12540	1.03E+08	Hs.67505	NR_12540	ENSG0000	LOC10272	-	uncharact	ncRNA
chr4-3985	8.880242	0.523863	0.787286	0.665404	0.505792	0.981636	chr4	39854092	39854345	+	0	NA	intron (	AluSx|SIN	123693	NM_00110	23244	Hs.331431	NM_01520	ENSG0000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr11-665	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr11	66503562	66505237	+	0	NA	intron (	MLT1A1|LT	-6236	NM_02464	582	Hs.50291	NM_02464	ENSG0000	BBS1	BBS2L2	Bardet-Bi	protein-coding
chr11-108	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (	AluJb|SIN	43913	NM_00001	38	Hs.23237	NM_00001	ENSG0000	ACAT1	ACAT|MAT|	acetyl-Cc	protein-coding
chr14-703	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr14	70372898	70373358	+	0	NA	exon (NM_	exon (NM_	-13445	NM_001204	51241	Hs.709581	NM_01646	ENSG0000	COX16	C14orf112	cytochrom	protein-coding
chr15-282	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr15	28219247	28221773	+	0	NA	exon (NM_	exon (NM_	101642	NM_004667	8924	Hs.43489	NM_004667	ENSG0000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-435	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr15	43572629	43573782	+	0	NA	intron (	intron (	11687	NM_01465	9677	Hs.156814	NM_01465	ENSG0000	PPIP5K1	HISPPD2A|	diphospho	protein-coding
chr15-910	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr15	91007012	91011449	+	0	NA	intron (	intron (	13391	NM_01866	26276	Hs.745007	NM_01866	ENSG0000	VPS33B	-	VPS33B la	protein-coding
chr17-555	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr17	5551947	5552805	+	0	NA	intron (	L1M4|LINE	32133	NM_033004	22861	Hs.65227	NM_01492	ENSG0000	NLRP1	AIADK|CAF	NLR famil	protein-coding
chr17-812	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr17	81258930	81262398	+	0	NA	intron (	intron (	20750	NR_14842	284184	Hs.35654	NM_00108	ENSG0000	NDUFAF8	C17orf89	NADH:ubic	protein-coding
chr19-513	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr19	5136978	5141027	+	0	NA	intron (	AluJr|SIN	169889	NM_00137	23030	Hs.65481	NM_01501	ENSG0000	KDM4B	JMJD2B|TE	lysine de	protein-coding
chr19-139	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr19	13966510	13967942	+	0	NA	intron (	intron (	-13834	NM_00114	79883	Hs.448497	NM_02482	ENSG0000	PODNL1	SLRR5B	podocan l	protein-coding
chr2-3479	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr2	3479107	3479850	+	0	NA	TTS (NM_	TTS (NM_	38269	NM_00130	55256	Hs.50277	NM_01826	ENSG0000	ADI1	APL1|ARD|	acireduct	protein-coding
chr2-2528	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr2	25280961	25282582	+	0	NA	3’ UTR (	3’ UTR (	-29456	NM_15375	1788	Hs.51584	NM_02255	ENSG0000	DNMT3A	DNMT3A2|M	DNA methy	protein-coding
chr2-9775	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr2	97756565	97759376	+	0	NA	intron (	AluY|SINE	23564	NM_20751	7535	Hs.23456	NM_00107	ENSG0000	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr2-1600	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (	MamGypLTF	57558	NM_001007	22925	Hs.410477	NM_00736	ENSG0000	PLA2R1	CLEC13C|F	phospholi	protein-coding
chr3-1839	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (	intron (	-34962	NR_04657	1.01E+08	Hs.57069	NR_04657	ENSG0000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr4-2249	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr4	2249125	2252489	+	0	NA	promoter-	promoter-	-651	NR_039964	1.01E+08		NR_039964	ENSG0000	MIR4800	mir-4800	microRNA	ncRNA
chr6-1496	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (	intron (	-14980	NM_001204	11104	Hs.45017	NM_007044	ENSG0000	KATNA1	-	katanin c	protein-coding
chr9-3434	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr9	34341034	34344294	+	0	NA	intron (	intron (	13095	NM_14717	318	Hs.493767	NM_001161	ENSG0000	NUDT2	APAH1	nudix hyc	protein-coding
chr9-1329	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	27344	NM_00131	11092	Hs.62595	NM_01895	ENSG0000	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chrX-2265	6.187006	0.621772	0.934782	0.665151	0.505954	0.981636	chrX	2265852	2266665	+	0	NA	intron (	intron (	234281	NM_001171	9189	Hs.13145	NM_00472	ENSG0000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr11-122	8.665507	-0.52976	0.796469	-0.66513	0.505966	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	-5204	NR_13718	399959	Hs.44098	NR_02443	ENSG0000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr2-1827	8.665507	-0.52976	0.796469	-0.66513	0.505966	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	20948	NR_073367	54431	Hs.51663	NM_018981	ENSG0000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr3-9738	8.665507	-0.52976	0.796469	-0.66513	0.505966	0.981636	chr3	9738854	9739182	+	0	NA	exon (NM_	exon (NM_	7268	NM_004634	7862	Hs.1004	NM_004634	ENSG0000	BRPF1	BR140|IDE	bromodoma	protein-coding
chr5-4346	8.665507	-0.52976	0.796469	-0.66513	0.505966	0.981636	chr5	43465412	43465793	+	0	NA	intron (	L1PA4|LIN	18263	NM_02248	64417	Hs.73209	NM_02248	ENSG0000	TMEM267	C5orf28	transmemb	protein-coding
chr1-1247	8.954663	0.527562	0.793216	0.665093	0.505991	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3264670	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr7-2647	8.954663	0.527562	0.793216	0.665093	0.505991	0.981636	chr7	2647341	2648629	+	0	NA	exon (NM_	exon (NM_	15999	NM_02525	80727	Hs.44089	NM_02525	ENSG0000	TTYH3	-	tweety fa	protein-coding
chr20-467	6.887142	-0.59333	0.892254	-0.66498	0.506064	0.981636	chr20	46726956	46727448	+	0	NA	intron (	intron (	17553	NM_030777	81031	Hs.305971	NM_030777	ENSG0000	SLC2A10	ATORS|ATS	solute ca	protein-coding
chr22-243	6.887142	-0.59333	0.892254	-0.66498	0.506064	0.981636	chr22	24341057	24342417	+	0	NA	promoter-	promoter-	-371	NM_001254	23384	Hs.474384	NM_01533	ENSG0000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr22-466	6.887142	-0.59333	0.892254	-0.66498	0.506064	0.981636	chr22	46686991	46687507	+	0	NA	intron (	intron (	51003	NM_02276	64781	Hs.20066	NM_02276	ENSG0000	CERK	LK4|dA59H	ceramide	protein-coding
chr16-211	7.920347	0.575847	0.866014	0.66494	0.506089	0.981636	chr16	2114416	2114642	+	0	NA	exon (NM_	exon (NM_	-7776	NR_10677	1.02E+08		NR_10677	ENSG0000	MIR6511B1	MIR6511B-	microRNA	ncRNA
chr14-711	8.624367	-0.53267	0.801273	-0.66478	0.506191	0.981636	chr14	71105436	71106487	+	0	NA	intron (	intron (	198502	NM_00130	22990	Hs.44655	NM_01498	ENSG0000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr2-1891	8.624367	-0.53267	0.801273	-0.66478	0.506191	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	exon (NM_	exon (NM_	22730	NR_03607	1E+08		NR_03607	ENSG0000	MIR3129	mir-3129	microRNA	ncRNA
chr5-5348	8.624367	-0.53267	0.801273	-0.66478	0.506191	0.981636	chr5	53482472	53486358	+	0	NA	intron (	intron (	3786	NM_00635	10468	Hs.9914	NM_00635	ENSG0000	FST	FS	follistat	protein-coding
chr7-2512	8.624367	-0.53267	0.801273	-0.66478	0.506191	0.981636	chr7	25122368	25123700	+	0	NA	3’ UTR (	3’ UTR (	2327	NM_018947	54205	Hs.43706	NM_018947	ENSG0000	CYCS	CYC|HCS|T	cytochrom	protein-coding
chrX-1684	5.966078	-0.65987	0.992862	-0.66462	0.506297	0.981636	chrX	16847631	16848426	+	0	NA	intron (	L1MB8|LIN	21835	NM_00119	5931	Hs.49575	NM_00289	ENSG0000	RBBP7	RbAp46	RB bindir	protein-coding
chr1-2189	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr1	21895118	21896207	+	0	NA	intron (	intron (	41648	NM_001291	3339	Hs.562227	NM_00552	ENSG0000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr1-1551	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (	AluJo|SIN	3014	NM_17385	200185	Hs.516671	NM_17385	ENSG0000	KRTCAP2	KCP2	keratinoc	protein-coding
chr1-1717	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	15664	NR_033704	8674	Hs.6651	NM_00376	ENSG0000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr15-844	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr15	84405711	84407561	+	0	NA	Intergeni	MamGypLTF	-15883	NR_12037	1.03E+08	Hs.69463	NR_12037	ENSG0000	LOC103171	-	uncharact	ncRNA
chr19-118	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr19	11802712	11808308	+	0	NA	intron (	intron (	6987	NM_15235	126069	Hs.631634	NM_15235	ENSG0000	ZNF491	-	zinc fing	protein-coding
chr19-368	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr19	36827487	36835577	+	0	NA	intron (	FLAM_A|SI	6495	NM_00124	388536	Hs.282067	NM_206894	ENSG0000	ZNF790	-	zinc fing	protein-coding
chr19-452	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr19	45273554	45276358	+	0	NA	intron (	MIRc|SINE	23685	NM_00119	57787	Hs.34314	NM_031417	ENSG0000	MARK4	MARK4L|MA	microtubu	protein-coding
chr3-2729	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr3	27298856	27301471	+	0	NA	intron (	THE1B|LTF	69220	NM_199347	152110	Hs.50611	NM_152534	ENSG0000	NEK10	-	NIMA rela	protein-coding
chr6-3586	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr6	35869110	35869955	+	0	NA	non-codir	non-codir	51566	NM_003137	6732	Hs.443861	NM_003137	ENSG0000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr7-1344	9.451251	0.506691	0.76258	0.664444	0.506406	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	intron (	intron (	12855	NM_00162	231	Hs.52121	NM_00162	ENSG0000	AKR1B1	ADR|ALDR1	aldo-ketc	protein-coding
chr9-3787	8.872384	0.525628	0.791091	0.664435	0.506412	0.981636	chr9	37876855	37877454	+	0	NA	TTS (NR_	TTS (NR_	26973	NM_03341	92014	Hs.63412	NM_03341	ENSG0000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr2-7111	6.726584	0.599078	0.90199	0.664174	0.506579	0.981636	chr2	71115983	71116887	+	0	NA	intron (	intron (	13794	NM_032601	84693	Hs.94949	NM_032601	ENSG0000	MCEE	GLOD2	methylmal	protein-coding
chr5-1720	6.726584	0.599078	0.90199	0.664174	0.506579	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (	MLT1K|LTF	-75317	NM_03364	23291	Hs.48413	NM_01230	ENSG0000	FBXW11	BTRC2|BTF	F-box anc	protein-coding
chr10-101	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	3263	NM_001174	27343	Hs.52323	NM_013274	ENSG0000	POLL	BETAN|POL	DNA polym	protein-coding
chr17-403	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr17	40353337	40354072	+	0	NA	intron (	AluSq2|SI	-10568	NR_110861	1.02E+08	Hs.655717	NR_110861	ENSG0000	RARA-AS1	-	RARA anti	ncRNA
chr17-829	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr17	82929183	82931005	+	0	NA	intron (	CpG	76894	NR_13546	146712	Hs.607824	NM_00100	ENSG0000	B3GNTL1	3-Gn-T8|E	UDP-GlcNA	protein-coding
chr2-7142	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr2	71422520	71423212	+	0	NA	exon (NM_	exon (NM_	-30695	NM_00113	8291	Hs.25218	NM_003494	ENSG0000	DYSF	FER1L1|LC	dysferlir	protein-coding
chr2-2389	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr2	2.39E+08	2.39E+08	+	0	NA	TTS (NM_	TTS (NM_	15359	NR_03416	401039	Hs.516791	NM_001001	ENSG0000	LINC0194	-	long inte	ncRNA
chr3-4732	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr3	47321961	47322919	+	0	NA	intron (	intron (	39496	NM_02501	23276	Hs.51794	NM_02501	ENSG0000	KLHL18	-	kelch lik	protein-coding
chr5-1234	6.220288	0.625467	0.941928	0.664029	0.506672	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (	AluSz|SIN	21064	NM_00116	153241	Hs.48320	NM_15322	ENSG0000	CEP120	CCDC100|J	centrosom	protein-coding
chr6-7349	11.05932	0.48178	0.725575	0.663999	0.506691	0.981636	chr6	73492504	73492736	+	0	NA	intron (	AluJb|SIN	25818	NR_132981	1.07E+08		NR_132981		SNORD141E	-	small nuc	snoRNA
chr11-123	4.651019	-0.72692	1.095179	-0.66374	0.506854	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (	L1M5|LINE	-65967	NM_006597	3312	Hs.18041	NM_006597	ENSG0000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr8-1033	4.651019	-0.72692	1.095179	-0.66374	0.506854	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	Intergeni	Intergeni	17687	NM_03078	81034	Hs.53226	NM_03078	ENSG0000	SLC25A32	MFT|MFTC|	solute ca	protein-coding
chr9-1291	4.963749	1.234397	1.85976	0.66374	0.506857	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (	LTR14|LTF	9245	NM_00400	1384	Hs.12068	NM_00075	ENSG0000	CRAT	CAT|CAT1|	carnitine	protein-coding
chr13-513	10.42631	-0.49329	0.743208	-0.66372	0.506867	0.981636	chr13	51382794	51382997	+	0	NA	intron (	AluSx|SIN	-34256	NR_04987	1.01E+08		NR_04987	ENSG0000	MIR5693	-	microRNA	ncRNA
chr10-133	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr10	13325502	13327210	+	0	NA	intron (	AluSq4|SI	21937	NM_012247	22929	Hs.124027	NM_012247	ENSG0000	SEPHS1	SELD|SPS|	selenopho	protein-coding
chr10-114	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (	intron (	31701	NM_00113	57700	Hs.19261	NM_02094	ENSG0000	FAM160B1	KIAA1600|	family wi	protein-coding
chr15-409	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr15	40936132	40936600	+	0	NA	exon (NM_	exon (NM_	7026	NM_019074	54567	Hs.51107	NM_019074	ENSG0000	DLL4	AOS6|delt	delta lik	protein-coding
chr15-507	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr15	50729182	50729491	+	0	NA	intron (	intron (	36370	NM_03280	84888	Hs.401537	NM_03280	ENSG0000	SPPL2A	IMP3|PSL2	signal pe	protein-coding
chr2-1200	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	65170	NM_00133	57669	Hs.36923	NM_02090	ENSG0000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr2-2350	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (	intron (	-15221	NM_001371306								

chr20-365	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr20	36522632	36522831	+	0	NA	intron (N	AluSg|SIN	-18788	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr5-3236	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr5	32367148	32368573	+	0	NA	intron (N	intron (N	26615	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr8-2531	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr8	25316490	25317354	+	0	NA	intron (N	intron (N	-28480	NR_106936	1.02E+08		NR_106936	ENSG00000	MIR6876	hsa-mir-6	microRNA	ncRNA
chr8-2658	6.871426	-0.58964	0.888434	-0.66368	0.506892	0.981636	chr8	26587927	26588480	+	0	NA	intron (N	intron (N	9798	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CF	dihydropy	protein-coding
chr1-2331	9.509956	0.51377	0.774202	0.663612	0.506939	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	LTR10C|LT	118300	NM_001328	80003	Hs.370605	NM_014801	ENSG00000	PCNX2	PCNXL2	pecanex 2	protein-coding
chr17-187	6.7423	0.594235	0.895858	0.663313	0.50713	0.981636	chr17	18734189	18735784	+	0	NA	exon (NM_	exon (NM_	-9068	NR_051988	10517	Hs.592128	NM_031456	ENSG00000	FBXW10	Fbw10|HRE	F-box and	protein-coding
chr21-465	6.7423	0.594235	0.895858	0.663313	0.50713	0.981636	chr21	46549636	46550738	+	0	NA	TTS (NM_2	TTS (NM_2	54895	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr4-8415	6.7423	0.594235	0.895858	0.663313	0.50713	0.981636	chr4	8415101	8415676	+	0	NA	intron (N	intron (N	25335	NM_003501	8310	Hs.479122	NM_003501	ENSG00000	ACOX3	-	acyl-CoA	protein-coding
chr6-3651	6.7423	0.594235	0.895858	0.663313	0.50713	0.981636	chr6	36517876	36518219	+	0	NA	intron (N	intron (N	29432	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr9-1290	6.7423	0.594235	0.895858	0.663313	0.50713	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx|SIN	4218	NM_032809	84895	Hs.632693	NM_032809	ENSG00000	MIGA2	C9orf54|F	mitoguard	protein-coding
chr19-192	8.391512	0.545015	0.82188	0.663132	0.507246	0.981636	chr19	1922976	1923481	+	0	NA	intron (N	intron (N	17829	NM_001329	113178	Hs.144980	NM_079834	ENSG00000	SCAMP4	SCAMP-4	secretory	protein-coding
chr2-2194	8.391512	0.545015	0.82188	0.663132	0.507246	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	13054	NM_001173	10290	Hs.21639	NM_005876	ENSG00000	SPEG	APEG-1|AF	striated	protein-coding
chrX-2433	5.690418	0.664903	1.002906	0.662977	0.507345	0.981636	chrX	2433820	2434301	+	0	NA	intron (N	AluY|SINE	66479	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr1-1590	8.8881	0.522063	0.787458	0.662972	0.507348	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	AluJr4|SI	28690	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|F	interferc	protein-coding
chr7-1394	8.8881	0.522063	0.787458	0.662972	0.507348	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	TTS (NR_0	TTS (NR_0	10550	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr1-2200	9.410111	0.505729	0.762824	0.66297	0.50735	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	MLT1K|LTR	3703	NM_018060	55699	Hs.262823	NM_018060	ENSG00000	IARS2	CAGSSS|II	isoleucyl	protein-coding
chr15-491	9.410111	0.505729	0.762824	0.66297	0.50735	0.981636	chr15	49161777	49163186	+	0	NA	intron (N	L1ME1|LIN	6183	NR_036507	1E+08	Hs.692164	NR_036507		NDUFAF4P1	-	NADH:ubic	pseudo
chr19-541	5.657136	0.660964	0.997043	0.662924	0.507379	0.981636	chr19	54180485	54180734	+	0	NA	intron (N	intron (N	-7449	NM_001145	147798	Hs.355126	NM_144686	ENSG00000	TMC4	-	transmemb	protein-coding
chr3-2995	5.657136	0.660964	0.997043	0.662924	0.507379	0.981636	chr3	29959448	29959736	+	0	NA	intron (N	intron (N	-25436	NR_046556	1.01E+08	Hs.581453	NR_046556	ENSG00000	RBMS3-AS1	-	RBMS3 ant	ncRNA
chr16-208	5.564595	-1.20155	1.812724	-0.66284	0.507431	0.981636	chr16	20828621	20828820	+	0	NA	intron (N	AluSx4|SI	22193	NM_001199	81691	Hs.177926	NM_030941	ENSG00000	REXO5	NEF-sp	RNA exonu	protein-coding
chr4-7314	6.846002	-0.59735	0.901343	-0.66273	0.507504	0.981636	chr4	73149169	73149653	+	0	NA	intron (N	intron (N	73646	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr7-1507	6.846002	-0.59735	0.901343	-0.66273	0.507504	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	Intergeni	L1PA5|LIN	24488	NM_018384	55340	Hs.647079	NM_018384	ENSG00000	GIMAP5	HIMAP3|IA	GTPase, I	protein-coding
chr2-1120	8.591086	-0.53713	0.810817	-0.66245	0.507683	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	22861	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr19-270	145.4766	0.217797	0.328811	0.662376	0.50773	0.981636	chr19	27022751	27022958	+	0	NA	Intergeni	ALR/Alpha	-770577	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1512	9.417969	0.504051	0.761223	0.66216	0.507869	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	11278	NM_002810	5710	Hs.505059	NM_002810	ENSG00000	PSMD4	AF|AF-1|A	proteasom	protein-coding
chr2-1117	9.417969	0.504051	0.761223	0.66216	0.507869	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	THE1D|LTR	-12181	NR_039929	1.01E+08		NR_039929	ENSG00000	MIR4771-2	-	microRNA	ncRNA
chr5-1347	9.417969	0.504051	0.761223	0.66216	0.507869	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	37076	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr7-1390	9.417969	0.504051	0.761223	0.66216	0.507869	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	-10641	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr1-1240	72.31543	0.481841	0.727769	0.66208	0.50792	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2515484	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4948	35.62192	0.285778	0.431793	0.66184	0.508074	0.981636	chr5	49487570	49487839	+	0	NA	Intergeni	ALR/Alpha	953584	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-3604	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr1	36043367	36044218	+	0	NA	intron (N	intron (N	-40302	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr1-4629	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr1	46291799	46294388	+	0	NA	intron (N	AluSc|SIN	10273	NM_006369	10489	Hs.144941	NM_006369	ENSG00000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr1-8880	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr1	88800150	88801681	+	0	NA	intron (N	intron (N	90652	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr1-1800	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	CR1-11_Cr	63937	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr10-246	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr10	24620595	24621134	+	0	NA	exon (NM_	exon (NM_	1979	NM_001367	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr11-134	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-8484	NR_145790	1.1E+08		NR_145790		SNORD153	-	small nuc	snoRNA
chr12-703	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr12	70303454	70305311	+	0	NA	intron (N	L1PA4|LIN	60668	NM_001199	4848	Hs.133350	NM_014515	ENSG00000	CNOT2	CDC36|HSF	CCR4-NOT	protein-coding
chr13-480	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr13	48084436	48085657	+	0	NA	intron (N	AluSx|SIN	7909	NR_046511	1.01E+08	Hs.616241	NR_046511	ENSG00000	MED4-AS1	MED4-AS	MED4 anti	ncRNA
chr14-306	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr14	30661742	30662303	+	0	NA	intron (N	intron (N	39703	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr15-422	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr15	42238408	42239406	+	0	NA	intron (N	intron (N	-30603	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr15-430	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr15	43099021	43102163	+	0	NA	intron (N	AluSc|SIN	5446	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitir	protein-coding
chr15-506	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr15	50620580	50621887	+	0	NA	intron (N	intron (N	65564	NR_149154	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr15-663	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr15	66350114	66350686	+	0	NA	intron (N	AluSq2|SI	-3058	NR_004388	692149		NR_004388	ENSG00000	SCARNA14	U100	small Caj	ncRNA
chr19-199	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr19	19923842	19929523	+	0	NA	intron (N	intron (N	25736	NM_031218	81931	Hs.301059	NM_031218	ENSG00000	ZNF93	HPF34|HTF	zinc fing	protein-coding
chr19-471	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr19	47198031	47200423	+	0	NA	intron (N	AluY|SINE	-27715	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr3-1953	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	THE1D|LTR	-61480	NM_152531	152002	Hs.478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr4-1045	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr4	10450227	10450527	+	0	NA	intron (N	intron (N	7049	NM_053042	85460	Hs.455089	NM_053042	ENSG00000	ZNF518B	-	zinc fing	protein-coding
chr4-2669	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr4	26693661	26694669	+	0	NA	intron (N	L1PA5|LIN	110081	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr4-7099	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr4	70998880	71001095	+	0	NA	intron (N	L1PA7|LIN	6338	NM_000788	1633	Hs.709	NM_000788	ENSG00000	DCK	-	deoxycyti	protein-coding
chr7-2318	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr7	23185445	23191046	+	0	NA	intron (N	intron (N	6197	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr8-5399	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr8	53993437	53994310	+	0	NA	intron (N	intron (N	28575	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr9-9719	6.904707	-0.58404	0.882578	-0.66175	0.508133	0.981636	chr9	97195831	97196324	+	0	NA	intron (N	intron (N	-42349	NR_036526	1E+08	Hs.435629	NR_036526	ENSG00000	SUGT1P4-S	-	SUGT1P4-S	pseudo
chr8-2640	9.484533	0.50936	0.769997	0.661509	0.508286	0.981636	chr8	26407139	26408433	+	0	NA	intron (N	intron (N	17373	NM_001330	665	Hs.131226	NM_004331	ENSG00000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr1-2027	12.63922	0.441275	0.667098	0.661485	0.508301	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-22252	NM_177402	127833	Hs.25422	NM_177402	ENSG00000	SYT2	CMS7|MYSF	synaptota	protein-coding
chr21-440	7.701454	-0.58672	0.88716	-0.66135	0.50839	0.981636	chr21	44032515	44032909	+	0	NA	intron (N	intron (N	20403	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr20-328	4.725441	-0.71233	1.077245	-0.66125	0.508452	0.981636	chr20	32855448	32856175	+	0	NA	Intergeni	Intergeni	-3112	NM_001143	388795		NM_001143	ENSG00000	EFCAB8	-	EF-hand c	protein-coding
chr1-1738	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1PA12|LI	13721	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr1-2037	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	exon (NM_	exon (NM_	1836	NM_001174	1E+08		NM_001174	ENSG00000	ZBED6	MGR	zinc fing	protein-coding
chr14-582	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr14	58272991	58273950	+	0	NA	intron (N	intron (N	-14563	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA
chr17-505	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr17	50555295	50555569	+	0	NA	TTS (NR_0	TTS (NR_0	-5283	NM_001256	8913	Hs.591169	NM_018896	ENSG00000	CACNA1G	Ca(V)T.1|	calcium v	protein-coding
chr22-218	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr22	21800560	21801210	+	0	NA	intron (N	intron (N	-65091	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr4-2664	8.657649	-0.52825	0.798873	-0.66125	0.508455	0.981636	chr4	26649844	26651092	+	0	NA	intron (N	L1PA4|LIN	66384	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr1-1235	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr1	12357457	12358282	+	0	NA	intron (N	AluSg|SIN	127839	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3284	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr1	32847430	32847817	+	0	NA	intron (N	intron (N	22310	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bir	protein-coding
chr1-9448	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr1	94489268	94489877	+	0	NA	intron (N	intron (N	52187	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-1090	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	28342	NM_001142	22911	Hs.570055	NM_014969	ENSG00000	WDR47	-	WD repeat	protein-coding
chr10-107	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr10	1072213	1074871	+	0	NA	intron (N	intron (N	-16838	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr10-587	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr10	58788819	58789390	+	0	NA	intron (N	AluJr|SIN	74089	NR_027508	728640	Hs.729209	NR_027508		FAM133CP	-	family wi	pseudo
chr13-200	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr13	20056148	20057142	+	0	NA	intron (N	Tigger17|	-46056	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr16-258	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr16	2586854	2588541	+	0	NA	intron (N	AluSx1|SI	-15687	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr16-900	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr16	90035805	90038499	+	0	NA	intron (N	intron (N	-7251	NR_122031	750	Hs.633032	NM_001214	ENSG00000	GAS8-AS1	C16orf3	GAS8 anti	ncRNA
chr18-769	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr18	76960377	76961875	+	0	NA	intron (N	L1PB1|LIN	55929	NM_001025	4155	Hs.551713	NM_002385	ENSG00000	MBP	-	myelin ba	protein-coding
chr2-9878	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr2	9878001	9878435	+	0	NA	intron (N	intron (N	34744	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-1017	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	94511	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr20-185	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr20	18554329	18556787	+	0	NA	intron (N	intron (N	-11862	NM_001348	388789	Hs.349092	NM_001348	ENSG00000	SMIM26	LINC00493	small int	protein-coding
chr3-1631	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr3	16316127	16316499	+	0	NA	3’ UTR (N	3’ UTR (N	51101	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr3-1771	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr3	17714386	17715637	+	0	NA	intron (N	intron (N	-14991	NM_001134	9779	Hs.475629	NM_014744	ENSG00000	TBC1D5	-	TBC1 doma	protein-coding
chr5-1802	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-33659	NM_175062	255426	Hs.190559	NM_175062	ENSG00000	RASGEF1C	-	RasGEF dc	protein-coding
chr7-1309	6.709018	0.59068	0.893515	0.661075	0.508564	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	Intergeni	21968	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chr9-1323	6.912565	-0.58586	0.886251	-0.66106	0.508574	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-23019	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr8-1251	6.476532	-0.61514	0.931041	-0.6607	0.508806	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	97632	NM_173685	286053	Hs.388297	NM_173685	ENSG00000	NSMCE2	C8orf36|M	NSE2 (MMS	protein-coding
chr11-125	9.076116	-0.51795	0.783973	-0.66067	0.508824	0.981636	chr11	12504259	12504761	+	0	NA	intron (N	intron (N	126939	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr12-651	9.402253	0.507427	0.76809	0.660634	0.508847	0.981636	chr12	6516963	6517991	+	0	NA	exon (NM_	exon (NM_	7255	NR_004387	692148		NR_004387	ENSG00000	SCARNA10	U85	small Caj	ncRNA
chr16-294	9.402253	0.507427	0.76809	0.660634	0.508847	0.981636	chr16	29455809	29456037	+	0	NA	promoter-	promoter-	832	NR_037609	1.01E+08	Hs.744871	NR_037609	ENSG00000	SLX1B-SUL	-	SLX1B-SUL	ncRNA
chr16-743	9.402253	0.507427	0.76809	0.660634	0.508847	0.981636	chr16	74363309	74364250	+	0	NA	intron (N	L2c|LINE|	4476	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr5-1445	13.61262	-0.42685	0.646297	-0.66046	0.508957	0.981636	chr5	14453861	14455698	+	0	NA	intron (N	LTR12C|LT	-9204	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr9-1205	8.196192	-0.5535	0.838304	-0.66026	0.50909	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	43783	NR_073558	55755	Hs.269560	NM_018249	ENSG00000	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr8-1436	13.16909	0.431679	0.653881	0.66018	0.509138	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2417	NM_014789	9831	Hs.43133	NM_014789	ENSG00000	ZNF623	-	zinc fing	protein-coding
chr14-504	6.468674	-0.61324	0.928971	-0.66013	0.509168	0.981636	chr14	50418365	50418767	+	0	NA	TTS (NM_0	TTS (NM_0	-21268	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr20-366	8.864526	0.527396	0.799115	0.659975	0.50927	0.981636	chr20	36653488	36653768	+	0	NA	non-codir	non-codir	-7432	NM_032214	84174	Hs.713578	NM_032214	ENSG00000	SLA2	C20orf156	Src like	protein-coding
chr1-5866	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr1	58660385	58660663	+	0	NA	intron (N	intron (N	39538	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr1-9234	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr1	92349674	92349947	+	0	NA	intron (N	AluJo|SIN	50751	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr1-1500	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	7848	NM_020205	56957	Hs.98322	NM_020205	ENSG00000	OTUD7B	CEZANNE|Z	OTU deubi	protein-coding
chr10-275	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr10	27510738	27512106	+	0	NA	intron (N	AluSz|SIN	7118	NR_046172	22931	Hs.406799	NM_021252	ENSG00000	RAB18	RAB18LI1|	RAB18, me	protein-coding
chr10-499	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr10	49948762	49949138	+	0	NA	intron (N	AluJr4|SI	-5262	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr10-919	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr10	91953732	91955693	+	0	NA	intron (N	AluJo|SIN	30942	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-125	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr11	12519203	12519946	+	0	NA	intron (N	L2c|LINE|	142003	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr11-142	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr11	14292907	14295378	+	0	NA	intron (N	intron (N	64343	NM_001177	22800	Hs.502004	NM_012250	ENSG00000	RRAS2	TC21	RAS relat	protein-coding
chr11-462	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr11	46299958	46305921	+	0	NA	intron (N	AluSg|SIN	25277	NM_052854	90993	Hs.405961	NM_052854	ENSG00000	CREB3L1	OASIS|OI1	cAMP resp	protein-coding
chr12-480	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr12	48058717	48060934	+	0	NA	intron (N	L1MEc|LIN	-45428	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|(	phosphofr	protein-coding
chr12-104	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	35429	NM_006166	4801	Hs.84928	NM_006166	ENSG00000	NFYB	CBF-A|CBF	nuclear t	protein-coding
chr12-121	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	21205	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr13-331	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr13	33109662	33114367	+	0	NA	intron (N	intron (N	74077	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr13-979	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr13	97997431	97998890	+	0	NA	intron (N	AluY|SINE	44485	NM_002271	3843	Hs.712598	NM_002271	ENSG00000	IPO5	IMB3|KPNE	importin	protein-coding
chr14-346	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr14	34615425	34616910	+	0	NA	intron (N	AluSc5|SI	13981	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting r	protein-coding
chr14-572	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr14	57217495	57218913	+	0	NA	intron (N	intron (N	50701	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PF	exocyst c	protein-coding
chr14-734	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr14	73416689	73417400	+	0	NA	intron (N	LTR1F|LTR	41536	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endc	protein-coding
chr15-737	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr15	73701209	73701508	+	0	NA	intron (N	L2a|LINE|	16588	NM_001329	80381	Hs.744915	NM_025240	ENSG00000	CD276	4Ig-B7-H3	CD276 mol	protein-coding
chr17-428	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr17	4282246	4284061	+	0	NA	intron (N	intron (N	-11259	NR_110982	1.03E+08	Hs.741319	NR_110982		LOC103021	-	uncharact	ncRNA
chr2-3931	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr2	39313414	39314813	+	0	NA	intron (N	AluSz6|SI	-70130	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr20-372	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr20	37209848	37214778	+	0	NA	intron (N	FLAM_A|SI	-32765	NM_213632	140699	Hs.349125	NM_152503	ENSG00000	MROH8	C20orf131	maestro h	protein-coding
chr20-390	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr20	39002382	39002871	+	0	NA	intron (N	intron (N	40282	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr20-472	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr20	47245374	47246165	+	0	NA	intron (N	MIRc|SINE	-72733	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr22-363	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr22	36373311	36375420	+	0	NA	intron (N	AluSx|SIN	13702	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr3-1409	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	18839	NM_018155	55186	Hs.144130	NM_018155	ENSG00000	SLC25A36	PNC2	solute ca	protein-coding
chr4-3168	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr4	3168977	3169442	+	0	NA	intron (N	AluY|SINE	-75160	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr4-1553	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr4	15538374	15539156	+	0	NA	intron (N	intron (N	68883	NM_001164	57545	Hs.590928	NM_020785	ENSG00000	CC2D2A	JBTS9|MKS	coiled-cc	protein-coding
chr4-1457	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr4	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	85393	NM_001080	646603		NM_001080	ENSG00000	C4orf51	-	chromosom	protein-coding
chr4-1867	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	2889	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-3734	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	37346898	37349975	+	0	NA	intron (N	intron (N	22670	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr5-9052	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	90520661	90523761	+	0	NA	intron (N	MSTA|LTR|	7373	NM_198273	116068	Hs.136235	NM_198273	ENSG00000	LYSMD3	-	LysM doma	protein-coding
chr5-1111	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	MER3|DNA|	33857	NM_139281	134430	Hs.533237	NM_139281	ENSG00000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr5-1285	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	L1ME1|LIN	32332	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillir	protein-coding

chr5-1483	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	L1ME4c|LI	11867	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box prc	protein-coding
chr5-1578	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	56026	NM_014666	9685	Hs.644000	NM_014666	ENSG00000	CLINT1	CLINT|ENT	clathrin	protein-coding
chr5-1578	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	AluSx1|SI	11701	NM_014666	9685	Hs.644000	NM_014666	ENSG00000	CLINT1	CLINT|ENT	clathrin	protein-coding
chr5-1754	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr5	1.75E+08	1.75E+08	+	0	NA	intron (N	L1MB3|LIN	16458	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr6-7401	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr6	7401914	7405437	+	0	NA	intron (N	MER104|DN	13846	NM_001348	83732	Hs.437474	NM_031480	ENSG00000	RIOK1	AD034|RIC	RIO kinas	protein-coding
chr6-1696	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	L1ME3A|LI	14563	NM_001350	253769	Hs.131903	NM_182552	ENSG00000	WDR27	-	WD repeat	protein-coding
chr7-4574	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr7	45741146	45742368	+	0	NA	intron (N	intron (N	27261	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr7-4736	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr7	47363452	47364620	+	0	NA	intron (N	intron (N	100767	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1209	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-14397	NM_024913	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr8-2329	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr8	23293884	23300326	+	0	NA	TTS (NM_0	TTS (NM_0	8997	NM_001136	203069	Hs.458644	NM_001136	ENSG00000	R3HCC1	-	R3H domai	protein-coding
chr9-3758	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr9	37583661	37586712	+	0	NA	Intergeni	L1MEh|LIN	7411	NM_001001	401505	Hs.130774	NM_001001	ENSG00000	TOMM5	C9orf105|	transloca	protein-coding
chr9-9800	6.896849	-0.58225	0.882455	-0.6598	0.50938	0.981636	chr9	98007894	98009101	+	0	NA	intron (N	Charlie3|	25156	NM_006401	10541	Hs.730654	NM_006401	ENSG00000	ANP32B	APRIL|PHA	acidic nu	protein-coding
chr1-3560	9.10154	-0.51225	0.776432	-0.65975	0.509417	0.981636	chr1	35602074	35603435	+	0	NA	3’ UTR (N	3’ UTR (N	28783	NM_001199	5690	Hs.471441	NM_002794	ENSG00000	PSMB2	HC7-I	proteason	protein-coding
chr6-3542	9.10154	-0.51225	0.776432	-0.65975	0.509417	0.981636	chr6	35424175	35425060	+	0	NA	exon (NM_	exon (NM_	-27744	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr8-2641	11.67147	0.470783	0.713706	0.659631	0.509491	0.981636	chr8	26413190	26413887	+	0	NA	TTS (NM_0	TTS (NM_0	23125	NM_001330	665	Hs.131226	NM_004331	ENSG00000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr4-8000	11.35708	-0.46111	0.699339	-0.65936	0.509667	0.981636	chr4	80007583	80008230	+	0	NA	intron (N	MLT1D|LTR	65323	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr13-332	6.70116	0.593097	0.899717	0.659203	0.509765	0.981636	chr13	33232867	33233657	+	0	NA	intron (N	LTR28|LTR	-27212	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr2-1968	6.70116	0.593097	0.899717	0.659203	0.509765	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	L1PA7|LIN	-56796	NM_213608	401027	Hs.245666	NM_213608	ENSG00000	C2orf66	IIDS6411|	chromoson	protein-coding
chr1-3232	6.863568	-0.58787	0.891893	-0.65913	0.509814	0.981636	chr1	32329668	32330005	+	0	NA	intron (N	L2c|LINE|	6397	NM_023009	65108	Hs.75061	NM_023009	ENSG00000	MARCKSL1	F52|MACMA	MARCKS li	protein-coding
chr11-764	6.863568	-0.58787	0.891893	-0.65913	0.509814	0.981636	chr11	76452581	76453330	+	0	NA	intron (N	L3|LINE|C	7930	NM_020193	56946	Hs.352588	NM_020193	ENSG00000	EMSY	C11orf30|	EMSY trar	protein-coding
chr12-588	6.863568	-0.58787	0.891893	-0.65913	0.509814	0.981636	chr12	58881930	58882696	+	0	NA	intron (N	MIRc|SINE	37233	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr17-590	8.334656	0.547786	0.83112	0.659094	0.509835	0.981636	chr17	59056166	59056432	+	0	NA	intron (N	FLAM_A|SI	50581	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr3-1430	8.155053	-0.55665	0.844939	-0.6588	0.510022	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	L1MB3|LIN	25997	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr10-428	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr10	42819878	42821254	+	0	NA	exon (NM_	exon (NM_	37771	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribc	protein-coding
chr15-657	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr15	65700560	65704088	+	0	NA	exon (NM_	exon (NM_	-5388	NR_145750	1.1E+08		NR_145750	ENSG00000	SNORD13E	-	small nuc	snoRNA
chr16-292	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr16	2920693	2923967	+	0	NA	intron (N	intron (N	10351	NM_001308	84256	Hs.655321	NM_020912	ENSG00000	FLYWCH1	-	FLYWCH-ty	protein-coding
chr17-790	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr17	7908366	7911927	+	0	NA	intron (N	(TCTT)n|S	4023	NR_003000	677763		NR_003000	ENSG00000	SCARNA21	ACA68|SCA	small Ca	ncRNA
chr19-183	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr19	18361450	18362455	+	0	NA	intron (N	L1ME3G|LI	21354	NM_001329	54858	Hs.131776	NM_017712	ENSG00000	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr19-328	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr19	32893559	32894282	+	0	NA	intron (N	L1M2|LINE	-24153	NM_001243	11136	Hs.743345	NM_014270	ENSG00000	SLC7A9	BAT1|CSNU	solute ca	protein-coding
chr2-1179	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr2	11794718	11797683	+	0	NA	intron (N	intron (N	28756	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr2-4701	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr2	47012468	47013082	+	0	NA	intron (N	intron (N	-70920	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr21-462	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr21	46204584	46207145	+	0	NA	exon (NM_	exon (NM_	-11705	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr21-465	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr21	46555636	46559089	+	0	NA	intron (N	intron (N	47720	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr3-1716	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	148672	NM_002662	5337	Hs.382865	NM_002662	ENSG00000	PLD1	CVDD	phospholi	protein-coding
chr3-1717	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	L1MB7|LIN	86425	NM_002662	5337	Hs.382865	NM_002662	ENSG00000	PLD1	CVDD	phospholi	protein-coding
chr3-1976	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	MIRc|SINE	-1659	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr4-1356	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr4	1356778	1358961	+	0	NA	intron (N	intron (N	10313	NM_001317	57654	Hs.380475	NM_020894	ENSG00000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr6-3064	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr6	30640618	30641757	+	0	NA	intron (N	Tigger19b	-5946	NM_001109	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromoson	protein-coding
chr7-1298	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	MER2|DNA|	72772	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitir	protein-coding
chr9-8165	6.716876	0.588316	0.893596	0.65837	0.510301	0.981636	chr9	81650749	81651822	+	0	NA	intron (N	intron (N	38250	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr1-1809	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	MER33|DNA	-31366	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr10-853	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr10	853484	855801	+	0	NA	intron (N	Tigger1|D	77063	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-125	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	-2418	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr12-495	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr12	49524896	49526185	+	0	NA	intron (N	intron (N	-13490	NM_001314	23416	Hs.64064	NM_012284	ENSG00000	KCNH3	BEC1|ELK2	potassium	protein-coding
chr12-123	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	43518	NR_107039	1.02E+08		NR_107039	ENSG00000	MIR8072	hsa-mir-8	microRNA	ncRNA
chr16-743	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr16	74330669	74337015	+	0	NA	intron (N	intron (N	34413	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr19-376	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr19	37696655	37700508	+	0	NA	exon (NM_	exon (NM_	-6266	NM_152605	163115	Hs.722657	NM_152605	ENSG00000	ZNF781	-	zinc fing	protein-coding
chr2-2302	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	11439	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr3-4858	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr3	48585953	48593011	+	0	NA	intron (N	intron (N	5678	NM_000094	1294	Hs.476218	NM_000094	ENSG00000	COL7A1	EBD1|EBDC	collagen	protein-coding
chr5-3131	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr5	31314527	31319257	+	0	NA	intron (N	intron (N	123206	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr5-9591	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr5	95917628	95919780	+	0	NA	intron (N	intron (N	43147	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatic	protein-coding
chr6-3062	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr6	30624873	30625324	+	0	NA	intron (N	intron (N	-1776	NR_033823	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr8-6729	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr8	67298238	67300006	+	0	NA	intron (N	intron (N	44659	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr9-1311	9.425827	0.50236	0.763193	0.658234	0.510388	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	21997	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr16-577	6.838144	-0.59559	0.904858	-0.65821	0.510401	0.981636	chr16	57788496	57788945	+	0	NA	intron (N	intron (N	-6351	NM_001318	3801	Hs.23131	NM_005550	ENSG00000	KIFC3	-	kinesin f	protein-coding
chr20-369	6.838144	-0.59559	0.904858	-0.65821	0.510401	0.981636	chr20	36915094	36916000	+	0	NA	intron (N	AluSz|SIN	36161	NM_001363	25939	Hs.580681	NM_015474	ENSG00000	SAMHD1	CHBL2|DCI	SAM and H	protein-coding
chr16-155	6.775581	0.597924	0.90849	0.658152	0.510441	0.981636	chr16	15586527	15587365	+	0	NA	3’ UTR (N	3’ UTR (N	24149	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-896	6.775581	0.597924	0.90849	0.658152	0.510441	0.981636	chr16	89693377	89693656	+	0	NA	intron (N	intron (N	6827	NR_027703	8558	Hs.699177	NM_003674	ENSG00000	CDK10	ALSAS|PIS	cyclin de	protein-coding
chr12-132	11.34922	-0.45997	0.699129	-0.65792	0.510589	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	13001	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr20-434	11.34922	-0.45997	0.699129	-0.65792	0.510589	0.981636	chr20	43459363	43467177	+	0	NA	non-codir	non-codir	5374	NM_006275	6431	Hs.684950	NM_006275	ENSG00000	SRSF6	B52|HEL-S	serine ar	protein-coding
chr4-1188	11.34922	-0.45997	0.699129	-0.65792	0.510589	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L2c|LINE|	5126	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-9359	11.34922	-0.45997	0.699129	-0.65792	0.510589	0.981636	chr5	93593274	93595725	+	0	NA	3’ UTR (N	3’ UTR (N	11277	NM_005654	7025	Hs.519445	NM_005654	ENSG00000	NR2F1	BBOAS|BBS	nuclear r	protein-coding
chr11-100	6.419677	-0.6154	0.9356	-0.65776	0.510693	0.981636	chr11	10010692	10010944	+	0	NA	intron (N	L1PA7|LIN	171676	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-512	6.419677	-0.6154	0.9356	-0.65776	0.510693	0.981636	chr17	51219931	51220458	+	0	NA	intron (N	intron (N	39855	NM_017643	54799	Hs.656803	NM_017643	ENSG00000	MBTD1	SA49P01	mbt domai	protein-coding
chr8-1303	6.419677	-0.6154	0.9356	-0.65776	0.510693	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-63807	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr12-118	6.145867	0.620496	0.943362	0.65775	0.510699	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSq2|SI	26000	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr1-2735	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr1	27359496	27359932	+	0	NA	intron (N	intron (N	7247	NM_004672	9064	Hs.194694	NM_004672	ENSG00000	MAP3K6	ASK2|MAPK	mitogen-a	protein-coding
chr15-648	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr15	64847098	64847301	+	0	NA	intron (N	intron (N	5284	NM_025201	80301	Hs.709337	NM_025201	ENSG00000	PLEKHO2	PLEKHQ1|P	pleckstri	protein-coding
chr21-326	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr21	32606576	32606946	+	0	NA	intron (N	intron (N	5616	NM_001350	1.1E+08	Hs.5811	NM_001350338		C21orf59-	-	C21orf59-	protein-coding
chr22-360	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr22	36025704	36026101	+	0	NA	intron (N	MIR3|SINE	2635	NM_001349	23543	Hs.282998	NM_014309	ENSG00000	RBFOX2	FOX2|Fox-	RNA bindi	protein-coding
chr5-3142	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr5	31420712	31421118	+	0	NA	intron (N	intron (N	111178	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr7-7432	6.153725	0.617923	0.939616	0.657634	0.510773	0.981636	chr7	74329380	74329579	+	0	NA	intron (N	MER103C|D	40004	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly c	protein-coding
chr22-394	8.929239	0.522927	0.795265	0.65755	0.510827	0.981636	chr22	39426720	39427417	+	0	NA	intron (N	MIRc|SINE	-5092	NR_040535	1.01E+08	Hs.729080	NR_040535		LOC100506	-	uncharact	ncRNA
chr9-5040	9.066408	-0.52698	0.801494	-0.6575	0.510861	0.981636	chr9	5040886	5042010	+	0	NA	promoter-	promoter-	-245	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kir	protein-coding
chr10-102	9.459109	0.504992	0.768216	0.657357	0.510951	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSg|SIN	-33387	NM_001288	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr2-1124	9.459109	0.504992	0.768216	0.657357	0.510951	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	18839	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr22-185	9.459109	0.504992	0.768216	0.657357	0.510951	0.981636	chr22	18541725	18544841	+	0	NA	intron (N	intron (N	5545	NR_003563	728233	Hs.592456	NR_003563	ENSG00000	PI4KAP1	-	phosphati	pseudo
chr8-3345	9.459109	0.504992	0.768216	0.657357	0.510951	0.981636	chr8	33452778	33453232	+	0	NA	intron (N	intron (N	20141	NM_032664	84750	Hs.458713	NM_032664	ENSG00000	FUT10	FUCTX	fucosyltr	protein-coding
chr2-1126	9.093682	-0.51086	0.777448	-0.6571	0.511119	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	17387	NM_005415	6574	Hs.187946	NM_005415	ENSG00000	SLC20A1	GLVR1|Glv	solute ca	protein-coding
chr2-1514	9.093682	-0.51086	0.777448	-0.6571	0.511119	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	MIRb|SINE	19656	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr5-3895	9.093682	-0.51086	0.777448	-0.6571	0.511119	0.981636	chr5	38959447	38960301	+	0	NA	exon (NM_	exon (NM_	113862	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr7-1071	9.093682	-0.51086	0.777448	-0.6571	0.511119	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	28897	NM_012257	26959	Hs.162032	NM_012257	ENSG00000	HBP1	-	HMG-box t	protein-coding
chr1-2331	9.981121	0.490472	0.746549	0.656986	0.51119	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	L1ME3B|LI	123579	NM_001328	80003	Hs.370605	NM_014801	ENSG00000	PCNX2	PCNXL2	pecanex 2	protein-coding
chr1-1681	4.717583	-0.70966	1.080375	-0.65686	0.511271	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSz|SIN	7374	NM_001031	261726	Hs.209431	NM_152902	ENSG00000	TIPRL	TIP|TIP41	TOR signa	protein-coding
chr14-584	4.717583	-0.70966	1.080375	-0.65686	0.511271	0.981636	chr14	58487916	58488330	+	0	NA	intron (N	intron (N	48442	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr16-501	4.717583	-0.70966	1.080375	-0.65686	0.511271	0.981636	chr16	50101497	50101696	+	0	NA	intron (N	L1MC5a|LI	35626	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr3-1557	4.717583	-0.70966	1.080375	-0.65686	0.511271	0.981636	chr3	15571920	15572779	+	0	NA	intron (N	intron (N	-29003	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding
chr1-6702	6.460817	-0.61124	0.930844	-0.65665	0.511403	0.981636	chr1	67029751	67030299	+	0	NA	intron (N	intron (N	24123	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr3-1860	6.460817	-0.61124	0.930844	-0.65665	0.511403	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	13942	NM_004454	2119	Hs.43697	NM_004454	ENSG00000	ETV5	ERM	ETS varia	protein-coding
chr14-212	8.616509	-0.53111	0.80912	-0.65641	0.511561	0.981636	chr14	21256761	21257480	+	0	NA	intron (N	L2a|LINE|	12359	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heteroger	protein-coding
chr6-4544	8.616509	-0.53111	0.80912	-0.65641	0.511561	0.981636	chr6	45443300	45443774	+	0	NA	intron (N	intron (N	21262	NM_001278	860	Hs.535845	NM_004348	ENSG00000	RUNX2	AML3|CBF-	RUNX fami	protein-coding
chr20-315	6.386395	-0.62152	0.946854	-0.65641	0.511563	0.981636	chr20	31546341	31546540	+	0	NA	intron (N	intron (N	26823	NR_046853	1.01E+08	Hs.373741	NR_046853	ENSG00000	HM13-AS1	-	HM13 anti	ncRNA
chr6-1115	6.386395	-0.62152	0.946854	-0.65641	0.511563	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx|SIN	-4110	NM_001164	10758	Hs.561514	NM_147200	ENSG00000	TRAF3IP2	ACT1|C6or	TRAF3 int	protein-coding
chr14-103	9.947839	0.487899	0.743517	0.656204	0.511693	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	33693	NM_001130	3831	Hs.20107	NM_005552	ENSG00000	KLC1	KLC|KNS2|	kinesin l	protein-coding
chr3-4937	9.947839	0.487899	0.743517	0.656204	0.511693	0.981636	chr3	49374339	49376171	+	0	NA	intron (N	AluSx|SIN	-16655	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHP	glutathic	protein-coding
chr3-1493	9.947839	0.487899	0.743517	0.656204	0.511693	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	3849	NM_014220	4071	Hs.351316	NM_014220	ENSG00000	TM4SF1	H-L6|L6|M	transmemb	protein-coding
chr3-1566	9.947839	0.487899	0.743517	0.656204	0.511693	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	3120	NM_001184	25976	Hs.744050	NM_015508	ENSG00000	TIPARP	ARTD14|PA	TCDD indu	protein-coding
chr5-3493	9.947839	0.487899	0.743517	0.656204	0.511693	0.981636	chr5	34935761	34941250	+	0	NA	intron (N	intron (N	8912	NM_001348	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr17-465	9.134821	-0.5081	0.774424	-0.6561	0.511762	0.981636	chr17	46553938	46554411	+	0	NA	3’ UTR (N	3’ UTR (N	25538	NM_001330	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr20-639	9.134821	-0.5081	0.774424	-0.6561	0.511762	0.981636	chr20	63965469	63967646	+	0	NA	exon (NM_	exon (NM_	3373	NM_020713	57473	Hs.740578	NM_020713	ENSG00000	ZNF512B	GM632	zinc fing	protein-coding
chr6-3698	9.134821	-0.5081	0.774424	-0.6561	0.511762	0.981636	chr6	36982579	36982893	+	0	NA	intron (N	intron (N	3815	NM_001271	23787	Hs.485262	NM_014341	ENSG00000	MTCH1	CGI-64|PI	mitochonc	protein-coding
chr7-6479	9.134821	-0.5081	0.774424	-0.6561	0.511762	0.981636	chr7	6479711	6482822	+	0	NA	intron (N	AluSq2|SI	2886	NM_006854	11014	Hs.654552	NM_006854	ENSG00000	KDELR2	ELP-1|ERD	KDEL endc	protein-coding
chr1-2131	6.750157	0.591889	0.902239	0.656023	0.511809	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	L1PA13|LI	148076	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr10-744	6.750157	0.591889	0.902239	0.656023	0.511809	0.981636	chr10	74412144	74412799	+	0	NA	intron (N	Tigger1|D	116853	NR_120673	1.03E+08		NR_120673		LOC102723	-	uncharact	ncRNA
chr4-7552	6.750157	0.591889	0.902239	0.656023	0.511809	0.981636	chr4	75525884	75526427	+	0	NA	intron (N	L1MEc|LIN	11682	NM_144721	152815	Hs.479971	NM_144721	ENSG00000	THAP6	-	THAP doma	protein-coding
chr3-1237	10.9289	-0.47359	0.722085	-0.65586	0.511913	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	11281	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr1-2217	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	12086	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding
chr10-104	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	L1ME3A|LI	2735	NR_039702	1.01E+08		NR_039702	ENSG00000	MIR4482	MIR4482-1	microRNA	ncRNA
chr16-294	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr16	29457190	29457604	+	0	NA	intron (N	intron (N	2306	NR_037609	1.01E+08	Hs.744871	NR_037609	ENSG00000	SLX1B-SUL	-	SLX1B-SUL	ncRNA
chr19-446	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr19	44649160	44666444	+	0	NA	exon (NM_	exon (NM_	-4070	NR_039756	1.01E+08		NR_039756	ENSG00000	MIR4531	-	microRNA	ncRNA
chr20-499	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr20	49955353	49955552	+	0	NA	Intergeni	L2a|LINE|	19055	NM_018683	55905	Hs.144949	NM_018683	ENSG00000	RNF114	PSORS12|Z	ring fing	protein-coding
chr21-461	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr21	46100031	46105411	+	0	NA	intron (N	L1MB3|LIN	4602	NM_058175	1292	Hs.420269	NM_001849	ENSG00000	COL6A2	BTHLM1|PF	collagen	protein-coding
chr6-2663	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr6	26634003	26634535	+	0	NA	TTS (NM_0	TTS (NM_0	25477	NM_024639	79692	Hs.126280	NM_024639	ENSG00000	ZNF322	HCG12|ZNF	zinc fing	protein-coding
chr9-7356	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr9	735678	736884	+	0	NA	intron (N	MER2|DNA|	29604	NM_001354	23189	Hs.306764	NM_015158	ENSG00000	KANK1	ANKRD15|C	KN motif	protein-coding
chr9-3244	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr9	32442846	32445069	+	0	NA	intron (N	L1PA7|LIN	59314	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr9-1341	9.126964	-0.5067	0.773045	-0.65546	0.512172	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	5689	NM_052821	11091	Hs.397638	NM_017588	ENSG00000	WDR5	BIG-3|CFA	WD repeat	protein-coding
chr1-1204	13.14367	0.428481	0.653948	0.655221	0.512325	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-28984	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1971	13.14367	0.428481	0.653948	0.655221	0.512325	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSx1|SI	13715	NM_194314	360023	Hs.529439	NM_194314	ENSG00000	ZBTB41	FRBZ1|ZNF	zinc fing	protein-coding
chr1-6703	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr1	67034388	67037675	+	0	NA	intron (N	L1MA3|LIN	18117	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr10-740	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr10	74036713	74037511	+	0	NA	intron (N	AluY|SINE	38996	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr11-108	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	-49194	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr13-952	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr13	95258111	95258702	+	0	NA	intron (N	intron (N	43040	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MC	ATP bindi	protein-coding
chr13-956	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr13	95605159	95605422	+	0	NA	intron (N	intron (N	39416	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding

chr17-295	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr17	29573172	29573781	+	0	NA	TTS (NM_0	TTS (NM_0	4775	NM_001346	90313	Hs.514050	NM_138349	ENSG00000	TP53I13	DSCP1	tumor pro	protein-coding
chr17-356	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr17	35629851	35630051	+	0	NA	intron (N	intron (N	42629	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr19-431	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr19	4310620	4311046	+	0	NA	intron (N	intron (N	6235	NM_024333	79187	Hs.28144	NM_024333	ENSG00000	FSD1	GLFND|MIF	fibronect	protein-coding
chr2-1328	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR84a|LT	-20653	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2185	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	34249	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitin	protein-coding
chr2-2248	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	143503	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr22-461	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr22	46152906	46153768	+	0	NA	intron (N	AluSq2|SI	2542	NM_001362	5465	Hs.103110	NM_005036	ENSG00000	PPARA	NR1C1|PPA	peroxisom	protein-coding
chr3-4947	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr3	49477306	49477991	+	0	NA	intron (N	intron (N	7516	NM_001177	1605	Hs.76111	NM_004393	ENSG00000	DAG1	156DAG|A3	dystrogly	protein-coding
chr5-1764	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	4790	NM_014613	23197	Hs.484242	NM_014613	ENSG00000	FAF2	ETEA|UBXD	Fas assoc	protein-coding
chr6-1493	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-14331	NM_001002	387082	Hs.657168	NM_001002	ENSG00000	SUMO4	IDDM5|SMT	small ubi	protein-coding
chr7-5312	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr7	5312369	5312781	+	0	NA	exon (NM_	exon (NM_	29632	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-8734	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr7	87340568	87341315	+	0	NA	intron (N	intron (N	4551	NR_015381	11257	Hs.274329	NM_007233	ENSG00000	TP53TG1	LINC00096	TP53 targ	ncRNA
chr7-1277	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	HAL1|LINE	59537	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-1302	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	MIRb|SINE	61535	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr9-1134	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	non-codin	non-codin	2609	NM_017443	54107	Hs.108112	NM_017443	ENSG00000	POLE3	CHARAC17|	DNA polym	protein-coding
chr9-1250	6.888991	-0.58045	0.885885	-0.65522	0.512327	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	THE1B|LTR	60397	NM_173690	286205	Hs.59504	NM_173690	ENSG00000	SCAI	C9orf126|	suppresso	protein-coding
chr11-118	8.649791	-0.52669	0.803931	-0.65514	0.512379	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	6950	NM_001144	23187	Hs.504062	NM_015157	ENSG00000	PHLDB1	LL5A	pleckstri	protein-coding
chr2-8620	8.649791	-0.52669	0.803931	-0.65514	0.512379	0.981636	chr2	86206122	86206342	+	0	NA	exon (NM_	exon (NM_	6775	NM_016622	51318	Hs.433439	NM_016622	ENSG00000	MRPL35	L35mt|MRP	mitochond	protein-coding
chr13-114	11.34136	-0.45883	0.700683	-0.65483	0.512579	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	18881	NM_007368	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr10-690	9.142679	-0.50951	0.778221	-0.65471	0.512651	0.981636	chr10	69005098	69006254	+	0	NA	intron (N	AluSg7|SI	16873	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 bind	protein-coding
chr12-530	9.142679	-0.50951	0.778221	-0.65471	0.512651	0.981636	chr12	53053846	53054361	+	0	NA	intron (N	intron (N	335	NR_033854	283335	Hs.657060	NR_033854	ENSG00000	LOC283335	-	uncharact	ncRNA
chr2-2327	9.384688	0.501378	0.765858	0.654663	0.512685	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	-14789	NM_001172	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr1-7021	8.557804	-0.54179	0.828013	-0.65433	0.5129	0.981636	chr1	70215671	70216097	+	0	NA	intron (N	AluSp|SIN	-5496	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-2042	6.194864	0.618978	0.946067	0.654265	0.512941	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-52905	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|C	golgi tra	protein-coding
chr12-118	6.194864	0.618978	0.946067	0.654265	0.512941	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	13312	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homo	protein-coding
chr20-333	6.194864	0.618978	0.946067	0.654265	0.512941	0.981636	chr20	33384721	33386060	+	0	NA	intron (N	MIRb|SINE	16129	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr5-1720	6.194864	0.618978	0.946067	0.654265	0.512941	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-42443	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box anc	protein-coding
chr1-1539	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2551	NM_006694	10899	Hs.6396	NM_006694	ENSG00000	JTB	HJTB|HSPC	jumping t	protein-coding
chr1-2468	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSq4|SI	69002	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr14-228	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr14	22840128	22847207	+	0	NA	intron (N	intron (N	7082	NM_004995	4323	Hs.2399	NM_004995	ENSG00000	MMP14	MMP-14|MM	matrix me	protein-coding
chr2-2060	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	29778	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr7-2994	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr7	29942460	29944316	+	0	NA	intron (N	intron (N	46413	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr9-1213	9.955697	0.486308	0.743712	0.653894	0.51318	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MIR1_Amn|	4339	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr11-778	9.392546	0.499701	0.764249	0.653846	0.513211	0.981636	chr11	77853445	77857378	+	0	NA	intron (N	AluY|SINE	14273	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr6-1472	9.392546	0.499701	0.764249	0.653846	0.513211	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1M2|LINE	-92755	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr8-2630	9.392546	0.499701	0.764249	0.653846	0.513211	0.981636	chr8	26308785	26309427	+	0	NA	intron (N	AluJb|SIN	15890	NM_001177	5520	Hs.146339	NM_002717	ENSG00000	PPP2R2A	B55A|B55A	protein p	protein-coding
chr15-805	4.676443	-0.71547	1.094583	-0.65364	0.513342	0.981636	chr15	80597717	80598083	+	0	NA	TTS (NM_0	TTS (NM_0	16797	NR_049837	1.01E+08		NR_049837	ENSG00000	MIR5572	-	microRNA	ncRNA
chr9-1369	6.253569	0.629139	0.962684	0.653525	0.513418	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	28042	NM_018998	54461	Hs.522507	NM_018998	ENSG00000	FBXW5	Fbw5	F-box anc	protein-coding
chr7-1062	8.698789	-0.52517	0.803746	-0.6534	0.513499	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	Intergeni	L1P1|LINE	38064	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	111003501	nicotinam	protein-coding
chr12-506	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr12	50674919	50676209	+	0	NA	intron (N	L2c|LINE|	-88537	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr12-559	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr12	55901977	55903369	+	0	NA	intron (N	AluSx1|SI	24452	NM_001143	84305	Hs.505687	NM_032345	ENSG00000	PYM1	PYM|WIBG	PYM homol	protein-coding
chr14-644	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr14	64498041	64498487	+	0	NA	promoter-	promoter-	-272	NM_001354	7597	Hs.654571	NM_006977	ENSG00000	ZBTB25	C14orf51|	zinc fing	protein-coding
chr14-102	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	HAL1|LINE	60093	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr14-103	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	55079	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr15-427	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr15	42720011	42720614	+	0	NA	3’ UTR (N	3’ UTR (N	16816	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr17-199	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr17	19925989	19927006	+	0	NA	intron (N	L1MB7|LIN	51331	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr17-640	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr17	64053029	64053276	+	0	NA	intron (N	intron (N	-32518	NM_001099	3384	Hs.431460	NM_000873	ENSG00000	ICAM2	CD102	intercell	protein-coding
chr19-793	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr19	7939510	7941289	+	0	NA	intron (N	intron (N	3267	NM_006351	10469	Hs.465784	NM_006351	ENSG00000	TIMM44	TIM44	transloca	protein-coding
chr19-443	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr19	44324654	44325368	+	0	NA	Intergeni	L1MCc|LIN	-19986	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr2-1772	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	1675	NM_001145	4780	Hs.744006	NM_006164	ENSG00000	NFE2L2	HEBP1|IMD	nuclear f	protein-coding
chr2-1866	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	L2b|LINE|	23387	NM_001144	3685	Hs.436873	NM_002210	ENSG00000	ITGAV	CD51|MSK8	integrin	protein-coding
chr20-488	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr20	4882349	4884148	+	0	NA	intron (N	intron (N	-59640	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|R	Ras assoc	protein-coding
chr22-190	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr22	19047199	19047695	+	0	NA	non-codin	non-codin	928	NR_024157	25786	Hs.720269	NR_024157	ENSG00000	DGCR11	DGS-D	DiGeorge	ncRNA
chr3-4499	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr3	44997857	45001681	+	0	NA	intron (N	intron (N	23520	NR_023353	23016	Hs.719958	NM_015004	ENSG00000	EXOSC7	EAP1|RRP4	exosome c	protein-coding
chr3-1341	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	77402	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr6-4430	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr6	44306719	44309167	+	0	NA	intron (N	L2|LINE|L	5404	NM_020745	57505	Hs.158381	NM_020745	ENSG00000	AARS2	AARSL|COX	alanyl-tR	protein-coding
chr9-8168	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chr9	81684703	81685444	+	0	NA	intron (N	intron (N	4462	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chrX-1376	6.683594	0.584774	0.895117	0.653293	0.513567	0.981636	chrX	13762525	13764023	+	0	NA	intron (N	MIR3|SINE	28526	NM_003611	8481	Hs.6483	NM_003611	ENSG00000	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chr1-3546	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr1	35469569	35470580	+	0	NA	intron (N	AluJr|SIN	87329	NM_024874	79932	Hs.456507	NM_024874	ENSG00000	KIAA0319L	AAVR|AAVR	KIAA0319	protein-coding
chr12-962	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr12	96251183	96252115	+	0	NA	intron (N	Tigger1|D	-3849	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr13-113	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-13566	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA	ncRNA
chr17-356	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr17	35632501	35634124	+	0	NA	intron (N	AluSc5|SI	45990	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr2-6388	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr2	63889844	63891239	+	0	NA	intron (N	intron (N	48661	NM_006759	7360	Hs.516217	NM_006759	ENSG00000	UGP2	UDPG|UDPG	UDP-gluco	protein-coding
chr2-7453	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr2	74532759	74534638	+	0	NA	TTS (NR_1	TTS (NR_1	-3992	NR_126510	550	Hs.411480	NM_181575	ENSG00000	AUP1	-	AUP1 lipi	protein-coding
chr2-1123	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	46608	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr21-413	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr21	41399060	41399923	+	0	NA	intron (N	intron (N	-21067	NM_001144	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr3-6991	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr3	69915801	69916071	+	0	NA	intron (N	MLT1N2|LT	-20656	NM_001184	4286	Hs.166017	NM_000248	ENSG00000	MITF	CMM8|COMM	melanocyt	protein-coding
chr3-1111	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	Intergeni	Intergeni	124683	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr3-1309	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	MER1B|DNA	54712	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr4-1025	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-93478	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr5-5535	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr5	55350963	55352076	+	0	NA	intron (N	AluSp|SIN	43530	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-1264	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	27706	NM_001146	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr7-3568	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr7	35684157	35685751	+	0	NA	intron (N	intron (N	10181	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr7-6678	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr7	66784478	66785588	+	0	NA	intron (N	intron (N	29151	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr9-3797	6.930131	-0.57672	0.882826	-0.65327	0.513582	0.981636	chr9	37972202	37975466	+	0	NA	intron (N	intron (N	-69481	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr7-1062	8.854818	0.519158	0.794753	0.653231	0.513607	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	18297	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	111003501	nicotinam	protein-coding
chr4-7316	8.706647	-0.52659	0.806517	-0.65292	0.513809	0.981636	chr4	73166387	73167586	+	0	NA	intron (N	L1MC5|LIN	56071	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr10-934	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr10	93428853	93431514	+	0	NA	intron (N	AluSc8|SI	52151	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr14-212	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr14	21247759	21254941	+	0	NA	intron (N	intron (N	18129	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heteroger	protein-coding
chr15-400	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr15	40002991	40004330	+	0	NA	intron (N	intron (N	35521	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr2-1113	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-17937	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr3-1204	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	MER33|DNA	20042	NM_007085	11167	Hs.269512	NM_007085	ENSG00000	FSTL1	FRP|FSL1|	follistat	protein-coding
chr4-1169	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr4	1169195	1171488	+	0	NA	intron (N	intron (N	2242	NM_012445	10417	Hs.302963	NM_012445	ENSG00000	SPON2	DIL-1|DIL	spondin 2	protein-coding
chr4-7323	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr4	73234688	73235269	+	0	NA	intron (N	HAL1ME|LI	-11921	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr8-2260	9.119106	-0.50531	0.774056	-0.6528	0.513883	0.981636	chr8	22602775	22604152	+	0	NA	non-codin	non-codin	-1294	NM_001363	57805	Hs.744848	NM_021174	ENSG00000	CCAR2	DBC-1|DBC	cell cycl	protein-coding
chr3-1227	6.937989	-0.5785	0.8865	-0.65257	0.514036	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1ME4a|LI	27127	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr10-119	6.693302	0.595642	0.912923	0.652456	0.514107	0.981636	chr10	11995665	11996610	+	0	NA	intron (N	L2b|LINE|	46672	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr7-1285	6.693302	0.595642	0.912923	0.652456	0.514107	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	L2a|LINE|	-44680	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr4-2453	11.3825	-0.45666	0.699992	-0.65238	0.514155	0.981636	chr4	24536981	24537182	+	0	NA	exon (NM_	exon (NM_	-16791	NR_030299	693158		NR_030299	ENSG00000	MIR573	MIRN573|h	microRNA	ncRNA
chr7-1308	11.3825	-0.45666	0.699992	-0.65238	0.514155	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	17858	NR_110473	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-F	long inte	ncRNA
chr15-646	9.37683	0.503052	0.771145	0.652344	0.514179	0.981636	chr15	64622964	64623354	+	0	NA	intron (N	intron (N	80122	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr15-735	6.85571	-0.58612	0.899091	-0.6519	0.514465	0.981636	chr15	73572672	73573175	+	0	NA	intron (N	MSTA|LTR|	-3380	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr6-1122	6.85571	-0.58612	0.899091	-0.6519	0.514465	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	MER21C|LT	-30486	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr10-449	8.962521	0.525607	0.806278	0.651894	0.51447	0.981636	chr10	44970833	44971221	+	0	NA	intron (N	MSTB|LTR|	7782	NM_007021	11067	Hs.93675	NM_007021	ENSG00000	DEPP1	C10orf10|	DEPP1 aut	protein-coding
chr18-633	8.690931	-0.52369	0.80357	-0.6517	0.514592	0.981636	chr18	63391190	63391389	+	0	NA	intron (N	AluSx1|SI	-24083	NM_002035	2531	Hs.74050	NM_002035	ENSG00000	KDSR	DHSR|EKVP	3-ketodih	protein-coding
chr3-1722	8.690931	-0.52369	0.80357	-0.6517	0.514592	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSx|SIN	194615	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr11-777	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr11	77792998	77793613	+	0	NA	intron (N	AluJr|SIN	27529	NM_016578	51773	Hs.420229	NM_016578	ENSG00000	RSF1	HBXAP|RSF	remodelin	protein-coding
chr14-225	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr14	22580387	22581080	+	0	NA	intron (N	L3|LINE|C	8491	NM_001344	1603	Hs.82890	NM_001344	ENSG00000	DAD1	OST2	defender	protein-coding
chr14-606	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr14	60641498	60643679	+	0	NA	TTS (NM_0	TTS (NM_0	3372	NR_126480	1.05E+08		NR_126480		SALRNA1	SAL-RNA1|	senescenc	ncRNA
chr17-853	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr17	8538585	8539050	+	0	NA	intron (N	intron (N	91908	NM_001256	4628	Hs.16355	NM_005964	ENSG00000	MYH10	NMMHC-IIB	myosin he	protein-coding
chr17-402	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr17	40272121	40272915	+	0	NA	intron (N	intron (N	-15361	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr17-465	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr17	46574554	46575494	+	0	NA	intron (N	AluSz|SIN	4688	NM_001330	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr7-5706	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr7	5706724	5707957	+	0	NA	intron (N	L1MB1|LIN	4570	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr8-1204	5.161473	-0.66297	1.017498	-0.65157	0.51468	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	14783	NM_014078	28998	Hs.333823	NM_014078	ENSG00000	MRPL13	L13|L13A|	mitochond	protein-coding
chr11-655	6.675736	0.587149	0.901338	0.65142	0.514775	0.981636	chr11	65580762	65581054	+	0	NA	intron (N	intron (N	4855	NM_001099	254102	Hs.502867	NM_001099	ENSG00000	EHBP1L1	-	EH domain	protein-coding
chr13-324	6.675736	0.587149	0.901338	0.65142	0.514775	0.981636	chr13	32451599	32452278	+	0	NA	intron (N	L1M5|LINE	-23808	NM_001286	90634	Hs.732118	NM_052818	ENSG00000	N4BP2L1	CG018	NEDD4 bin	protein-coding
chr2-2763	6.675736	0.587149	0.901338	0.65142	0.514775	0.981636	chr2	27632207	27634277	+	0	NA	intron (N	HAL1b|LIN	4192	NM_007266	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr2-1213	6.675736	0.587149	0.901338	0.65142	0.514775	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	MSTA-int|	-89265	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBP	transcrip	protein-coding
chr10-869	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr10	86905611	86907818	+	0	NA	intron (N	AluY|SINE	-49045	NM_001330	6623	Hs.349470	NM_003087	ENSG00000	SNCG	BCSG1|SR	synuclein	protein-coding
chr14-556	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr14	55675573	55677327	+	0	NA	intron (N	intron (N	-89795	NR_004844	645683	Hs.663461	NR_004844	ENSG00000	RPL13AP3	RPL13A_11	ribosomal	pseudo
chr15-846	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr15	84687144	84687540	+	0	NA	intron (N	intron (N	28797	NM_014300	23478	Hs.9534	NM_014300	ENSG00000	SEC11A	1810012E0	SEC11 hom	protein-coding
chr16-649	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr16	64985558	64988673	+	0	NA	intron (N	intron (N	134948	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr17-161	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr17	16130763	16131173	+	0	NA	intron (N	AluJb|SIN	22228	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-597	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr17	59775129	59777180	+	0	NA	intron (N	AluJr|SIN	-65112	NR_029493	406991	Hs.444569	NR_029493	ENSG00000	MIR21	MIRN21|hs	microRNA	ncRNA
chr18-870	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr18	8706763	8712222	+	0	NA	Intergeni	Intergeni	-1871	NR_120598	1E+08	Hs.439434	NR_120598	ENSG00000	GACAT2	MTCL1-AS1	gastric c	ncRNA
chr18-508	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr18	50898492	50898691	+	0	NA	intron (N	AluJb|SIN	19473	NM_002396	4200	Hs.233119	NM_002396	ENSG00000	ME2	ODS1	malic enz	protein-coding
chr19-213	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr19	21361216	21363371	+	0	NA	intron (N	intron (N	3293	NM_001355	148203	Hs.124384	NM_001355	ENSG00000	ZNF738	-	zinc fing	protein-coding
chr19-373	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr19	37357874	37361205	+	0	NA	non-codin	non-codin	-11560	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr2-5498	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr2	54985915	54986114	+	0	NA	intron (N	intron (N	24258	NM_007008	57142	Hs.637850	NM_007008	ENSG00000	RTN4	ASY|NI220	reticulon	protein-coding
chr2-1281	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	23605	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr2-1514	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	Tigger2a|	29352	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1612	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	-32055	NR_110163	1.01E+08	Hs.660929	NR_110163	ENSG00000	LINC01806	-	long inte	ncRNA
chr2-2298	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	90892	NM_001348	9320	Hs.572642	NM_004238	ENSG00000	TRIP12	MRD49|TRI	thyroid h	protein-coding

chr3-3147	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr3	3147894	3150916	+	0	NA	TTS (NM_	TTS (NM_	22465	NR_15994	51095	Hs.73272	NM_01600	ENSG0000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr3-150	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	-20158	NM_01627	51714	Hs.36905	NM_01627	ENSG0000	SELENOT	SELT	selenopr	protein-coding
chr3-196	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (	intron (	13888	NM_00112	7037	Hs.52961	NM_003234	ENSG0000	TFRC	CD71|IMD4	transferr	protein-coding
chr4-108	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	Intergeni	Charlie2	13609	NM_00131	6164	Hs.438227	NM_00099	ENSG0000	RPL34	L34	ribosomal	protein-coding
chr5-3701	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr5	37015465	37017135	+	0	NA	intron (	intron (	139531	NM_015384	25836	Hs.481927	NM_015384	ENSG0000	NIPBL	CDLS|CDL	NIPBL co	protein-coding
chr5-568	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr5	56885211	56886362	+	0	NA	intron (	intron (	-23474	NR_13655	133383	Hs.85950	NM_15370	ENSG0000	SETD9	C5orf35	SET domai	protein-coding
chr5-715	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr5	71558613	71560489	+	0	NA	intron (	intron (	-27789	NM_02213	64087	Hs.60478	NM_02213	ENSG0000	MCCC2	MCCB	methylcr	protein-coding
chr6-264	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr6	26431515	26433050	+	0	NA	Intergeni	Charlie1	-8222	NM_00124	10384	Hs.167741	NM_006994	ENSG0000	BTN3A3	BTF3|BTN	butyrophi	protein-coding
chr6-7564	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr6	75640722	75642278	+	0	NA	intron (	intron (	39620	NM_015571	26054	Hs.485784	NM_015571	ENSG0000	SENP6	SSP1|SUS	SUMO spec	protein-coding
chr7-551	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr7	55194129	55195508	+	0	NA	intron (	intron (	-5869	NR_047551	1.01E+08	Hs.72048	NR_047551	ENSG0000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-7424	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr7	74241463	74241824	+	0	NA	intron (	intron (	12756	NM_181471	5982	Hs.64706	NM_002914	ENSG0000	RFC2	RFC40	replicati	protein-coding
chr8-4787	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr8	47873450	47874825	+	0	NA	intron (	AluYh3a3|	85999	NM_001081	5591	Hs.49168	NM_006904	ENSG0000	PRKDC	DNA-PKC|	protein k	protein-coding
chr8-6157	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr8	61578226	61582279	+	0	NA	intron (	THE1D-int	109559	NM_001164	444	Hs.33242	NM_00431	ENSG0000	ASPH	AAH|BAH|	aspartat	protein-coding
chr8-125	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (	L1M1|LIN	17287	NM_00312	6713	Hs.71465	NM_00312	ENSG0000	SQLE	-	squalene	protein-coding
chr9-324	6.922273	-0.57493	0.882702	-0.65133	0.514835	0.981636	chr9	32452084	32452463	+	0	NA	3’ UTR (	3’ UTR (	67630	NM_00136	48	Hs.56722	NM_002197	ENSG0000	ACO1	ACONS|HE	aconitas	protein-coding
chr3-103	9.150537	-0.51096	0.784529	-0.6513	0.514855	0.981636	chr3	10306356	10308838	+	0	NA	intron (	THE1B|LT	13444	NM_00113	6396	Hs.166924	NM_03067	ENSG0000	SEC13	D3S1231E|	SEC13 hom	protein-coding
chr12-644	9.922415	0.483765	0.742913	0.651173	0.514935	0.981636	chr12	64464289	64465752	+	0	NA	intron (	AluJr|SI	12900	NM_013254	29110	Hs.505874	NM_013254	ENSG0000	TBK1	FTDALS4|I	TANK bin	protein-coding
chr12-12	9.922415	0.483765	0.742913	0.651173	0.514935	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (	AluSx|SI	37753	NR_10703	1.02E+08		NR_10703	ENSG0000	MIR8072	hsa-mir-	microRNA	ncRNA
chr6-1304	9.922415	0.483765	0.742913	0.651173	0.514935	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	4591	NM_05291	114801	Hs.591341	NM_05291	ENSG0000	TMEM200A	KIAA1913|	transmem	protein-coding
chr1-846	9.492391	0.507658	0.77962	0.651161	0.514942	0.981636	chr1	84657554	84659475	+	0	NA	intron (	intron (	-23494	NR_02737	439927	Hs.407054	NM_00103	ENSG0000	LINC0155	C1orf180	long inte	ncRNA
chr1-3591	9.433685	0.500623	0.768836	0.651144	0.514953	0.981636	chr1	35913585	35914401	+	0	NA	exon (NM_	exon (NM_	-17112	NM_17742	192669	Hs.65765	NM_02485	ENSG0000	AGO3	EIF2C3	argonaut	protein-coding
chr10-71	9.433685	0.500623	0.768836	0.651144	0.514953	0.981636	chr10	71817893	71821965	+	0	NA	intron (	intron (	8046	NM_001171	64072	Hs.65603	NM_022124	ENSG0000	CDH23	CDHR23|P	cadherin	protein-coding
chr1-172	6.830286	-0.59389	0.912164	-0.65108	0.514993	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (	intron (	40478	NM_01428	51430	Hs.20455	NM_01428	ENSG0000	SUCO	C1orf9|C	SUN domai	protein-coding
chr1-1801	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	intron (	17215	NM_00282	5768	Hs.71917	NM_00282	ENSG0000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr11-29	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr11	2905363	2906331	+	0	NA	intron (	intron (	-2272	NM_00130	5003	Hs.30007	NM_00710	ENSG0000	SLC22A18	BWR1B|BW	solute c	protein-coding
chr14-20	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr14	20395594	20396514	+	0	NA	intron (	A-rich|L	17447	NM_00711	7011	Hs.50883	NM_00711	ENSG0000	TEP1	TLP1|TP1|	telomera	protein-coding
chr17-37	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr17	37563643	37566121	+	0	NA	intron (	L2a|LINE|	44536	NM_08055	11276	Hs.594647	NM_007247	ENSG0000	SYNRG	AP1GBP1|	synergin	protein-coding
chr18-46	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr18	46008140	46010869	+	0	NA	intron (	intron (	-42175	NM_020964	57724	Hs.51484	NM_020964	ENSG0000	EPG5	HEEW1|KI	ectopic	protein-coding
chr19-27	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr19	2760684	2767705	+	0	NA	intron (	intron (	19079	NM_003021	6449	Hs.20391	NM_003021	ENSG0000	SGTA	SGT|alph	small gl	protein-coding
chr19-19	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr19	19639435	19640204	+	0	NA	intron (	AluSx1|SI	3838	NM_00128	51291	Hs.49427	NM_01657	ENSG0000	GMIP	ARHGAP46	GEM inter	protein-coding
chr19-49	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr19	49831179	49836241	+	0	NA	intron (	MLT1F1|L	1692	NR_10685	1.02E+08		NR_10685	ENSG0000	MIR6800	hsa-mir-	microRNA	ncRNA
chr2-875	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr2	8758422	8759114	+	0	NA	intron (	intron (	76712	NM_00216	3398	Hs.18091	NM_00216	ENSG0000	ID2	GIG8|ID2	inhibito	protein-coding
chr2-218	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	MSTA|LTR|	4197	NM_00136	27148	Hs.471404	NM_01569	ENSG0000	STK36	FU	serine/t	protein-coding
chr2-240	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (	L1M5|LIN	18540	NR_136157	4705	Hs.277677	NM_004544	ENSG0000	NDUFA10	CI-42KD|	NADH:ubi	protein-coding
chr21-414	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr21	41440976	41441902	+	0	NA	intron (	intron (	9389	NM_00128	4599	Hs.517307	NM_00246	ENSG0000	MX1	IFI-78K|I	MX dynami	protein-coding
chr22-37	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr22	37644956	37648191	+	0	NA	intron (	intron (	6904	NM_018957	23616	Hs.60114	NM_018957	ENSG0000	SH3BP1	ARHGAP43	SH3 domai	protein-coding
chr22-38	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr22	38247083	38247814	+	0	NA	intron (	intron (	-22728	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr5-176	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	intron (	7724	NM_014901	22838	Hs.43488	NM_014901	ENSG0000	RNF44	-	ring fin	protein-coding
chr7-222	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr7	2225107	2227085	+	0	NA	intron (	MLT1E3|L	6849	NM_001304	8379	Hs.65483	NM_00355	ENSG0000	MAD1L1	MAD1|PIG	mitotic	protein-coding
chr9-120	6.724734	0.585932	0.899964	0.651061	0.515007	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (	intron (	-27844	NM_00127	55755	Hs.26956	NM_01824	ENSG0000	CDK5RAP2	C48|Cep21	CDK5 reg	protein-coding
chr10-41	13.15153	0.427261	0.656296	0.651018	0.515035	0.981636	chr10	41575889	41577251	+	0	NA	Intergeni	ALR/Alph	791475	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr5-136	11.37464	-0.45552	0.699782	-0.65095	0.515081	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	24863	NR_03058	1E+08		NR_03058	ENSG0000	VTRNA2-1	CBL-3|CB	vault RN	ncRNA
chr19-34	13.11039	0.426481	0.655302	0.650816	0.515165	0.981636	chr19	34955650	34960508	+	0	NA	exon (NM_	exon (NM_	6150	NM_17587	126375	Hs.50405	NM_17587	ENSG0000	ZNF792	-	zinc fin	protein-coding
chr19-541	8.862676	0.517334	0.794926	0.650795	0.515179	0.981636	chr19	54127854	54128067	+	0	NA	intron (	L2a|LINE|	-9802	NM_01451	4849	Hs.343571	NM_01451	ENSG0000	CNOT3	LENG2|NO	CCR4-NOT	protein-coding
chr1-595	4.486947	0.707086	1.086702	0.650672	0.515258	0.981636	chr1	59558366	59559049	+	0	NA	intron (	MER11A|L	43077	NM_00127	55277	Hs.444301	NM_018291	ENSG0000	FGGY	-	FGGY car	protein-coding
chr1-1594	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	15945504	15947157	+	0	NA	intron (	intron (	29802	NM_001324	7709	Hs.433764	NM_00344	ENSG0000	ZBTB17	MIZ-1|ZN	zinc fin	protein-coding
chr1-457	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	45707273	45708848	+	0	NA	intron (	AluY|SIN	19879	NM_01648	51249	Hs.69954	NM_01648	ENSG0000	TMEM69	C1orf154	transmem	protein-coding
chr1-926	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	92654498	92655734	+	0	NA	intron (	L1PB4|LI	129992	NM_00135	7813	Hs.594434	NM_00566	ENSG0000	EVI5	EVI-5|NB4	ecotropi	protein-coding
chr1-944	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	94464480	94467022	+	0	NA	intron (	intron (	47362	NM_00285	5825	Hs.70057	NM_00285	ENSG0000	ABCD3	ABC43|CB	ATP bindi	protein-coding
chr1-1481	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (	LTR33|LT	1451	NM_001101	200030	Hs.72158	NM_18337	ENSG0000	NBPF11	NBPF24	NBPF mem	protein-coding
chr1-222	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (	L1MB8|LI	-17596	NR_11061	1.01E+08	Hs.553851	NR_11061	ENSG0000	TAF1A-AS1	-	TAF1A ant	ncRNA
chr1-247	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	22158	NM_00132	84838	Hs.168677	NM_03275	ENSG0000	ZNF496	NIZP1|ZF	zinc fin	protein-coding
chr10-10	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	TTS (NM_	TTS (NM_	6454	NM_00132	4791	Hs.73090	NM_00250	ENSG0000	NFKB2	CVID10|H	nuclear f	protein-coding
chr11-12	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	intron (	AluJb|SI	-14941	NM_001301	403312	Hs.450611	NM_203452		LOC40331	-	putative	protein-coding
chr12-49	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr12	49558092	49560206	+	0	NA	TTS (NM_	TTS (NM_	7290	NM_00101	10445	Hs.25313	NM_006337	ENSG0000	MCRS1	ICP22BP|I	microsph	protein-coding
chr12-111	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluY|SIN	6318	NR_10681	1.02E+08		NR_10681	ENSG0000	MIR6761	hsa-mir-	microRNA	ncRNA
chr12-124	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	24797	NM_03265	57647	Hs.10738	NM_03265	ENSG0000	DHX37	DDX37|Dh	DEAH-box	protein-coding
chr14-20	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr14	20372733	20375920	+	0	NA	intron (	intron (	30712	NM_00104	10038	Hs.40941	NM_005484	ENSG0000	PARP2	ADPRT2|A	poly(ADP-	protein-coding
chr14-72	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr14	72990099	72993480	+	0	NA	intron (	intron (	-4833	NM_001281	53349	Hs.33510	NM_02126	ENSG0000	ZFYVE1	DFCP1|PP	zinc fin	protein-coding
chr15-42	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr15	42674597	42675853	+	0	NA	intron (	MIRb|SIN	61903	NM_138477	146059	Hs.59923	NM_138477	ENSG0000	CDAN1	CDA1|CDA	codanin 1	protein-coding
chr15-45	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr15	45685834	45691710	+	0	NA	intron (	AluSp|SI	-16423	NR_13568	1.05E+08	Hs.44752	NR_13568	ENSG0000	LOC10537	-	uncharact	ncRNA
chr15-94	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr15	94359437	94360027	+	0	NA	intron (	MIR3|SIN	3802	NM_00115	55784	Hs.33368	NM_01834	ENSG0000	MCTP2	-	multiple	protein-coding
chr16-47	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr16	4750827	4753937	+	0	NA	exon (NM_	exon (NM_	14780	NM_02164	26048	Hs.51331	NM_02164	ENSG0000	ZNF500	ZKSCAN18|	zinc fin	protein-coding
chr16-14	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr16	14884477	14889936	+	0	NA	intron (	L1ME4a|L	-14302	NR_03614	1E+08		NR_03614	ENSG0000	MIR3179-	-	microRNA	ncRNA
chr16-31	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr16	31905658	31906647	+	0	NA	intron (	L1PA4|LI	32345	NM_003414	10308	Hs.46064	NM_003414	ENSG0000	ZNF267	HZF2	zinc fin	protein-coding
chr17-361	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr17	3610745	3611393	+	0	NA	intron (	intron (	-1658	NM_080704	7442	Hs.579217	NM_018727	ENSG0000	TRPV1	VR1	transient	protein-coding
chr17-39	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr17	39267093	39270657	+	0	NA	intron (	intron (	-28525	NR_16209	1.14E+08		NR_162098		MIR548BC	-	microRNA	ncRNA
chr17-677	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr17	67749544	67750042	+	0	NA	Intergeni	AluSg|SI	9123	NR_00370	1E+08	Hs.69344	NR_00370	ENSG0000	SNORA38B	-	small nuc	snoRNA
chr17-81	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr17	81271655	81272743	+	0	NA	intron (	AluSp|SI	23108	NM_001037	124565	Hs.35224	NM_13857	ENSG0000	SLC38A10	PP1744	solute c	protein-coding
chr19-50	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr19	5087034	5089110	+	0	NA	intron (	intron (	118959	NM_00137	23030	Hs.65481	NM_01501	ENSG0000	KDM4B	JMJD2B|T	lysine d	protein-coding
chr19-10	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr19	10257212	10259567	+	0	NA	intron (	intron (	6175	NM_01595	51073	Hs.27965	NM_01595	ENSG0000	MRPL4	CGI-28|L4	mitochon	protein-coding
chr19-367	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr19	36700715	36703930	+	0	NA	intron (	L1PA3|LI	-1359	NM_00136	163081	Hs.412517	NM_15260	ENSG0000	ZNF567	-	zinc fin	protein-coding
chr20-36	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr20	3603690	3605548	+	0	NA	intron (	intron (	58780	NM_02213	64096	Hs.30202	NM_02213	ENSG0000	GFRA4	-	GDNF fami	protein-coding
chr20-51	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr20	51603829	51605381	+	0	NA	intron (	intron (	-41766	NM_00113	4773	Hs.74414	NM_01234	ENSG0000	NFATC2	NFAT1|NF	nuclear f	protein-coding
chr20-637	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr20	63734902	63736409	+	0	NA	promoter-	promoter-	-46	NM_00130	54923	Hs.23322	NM_01780	ENSG0000	LIME1	LIME|dJ5	Lck inter	protein-coding
chr22-43	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr22	43989470	43991846	+	0	NA	intron (	intron (	-8553	NM_00100	29780	Hs.475074	NM_013327	ENSG0000	PARVB	CGI-56	parvin b	protein-coding
chr3-381	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr3	38122753	38127727	+	0	NA	intron (	Ricksha_	11887	NM_001607	30	Hs.643487	NM_001607	ENSG0000	ACAA1	ACAA|PTHI	acetyl-C	protein-coding
chr3-127	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr3	1.27E+08	1.27E+08	+	0	NA	exon (NM_	exon (NM_	29720	NM_03224	5361	Hs.43232	NM_03224	ENSG0000	PLXNA1	NOV|NOVP|	plexin A1	protein-coding
chr4-755	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr4	75530337	75534004	+	0	NA	intron (	THE1B-int	17697	NM_144721	152815	Hs.479971	NM_144721	ENSG0000	THAP6	-	THAP dom	protein-coding
chr5-113	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	78033	NM_00134	64848	Hs.23194	NM_02282	ENSG0000	YTHDC2	CAHL|hYT	YTH domai	protein-coding
chr6-3164	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr6	31641583	31643722	+	0	NA	intron (	MIR3|SIN	8865	NR_10689	1.02E+08		NR_10689	ENSG0000	MIR6832	hsa-mir-	microRNA	ncRNA
chr6-430	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr6	43035965	43041521	+	0	NA	intron (	intron (	15202	NM_00116	9820	Hs.52013	NM_01478	ENSG0000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr7-2651	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr7	2651631	2654220	+	0	NA	exon (NM_	exon (NM_	20939	NM_02525	80727	Hs.44089	NM_02525	ENSG0000	TTYH3	-	tweety f	protein-coding
chr7-438	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr7	43800269	43801271	+	0	NA	intron (	intron (	42090	NM_00071	644	Hs.48814	NM_00071	ENSG0000	BLVRA	BLVR|BVR|	biliverdi	protein-coding
chr8-116	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (	intron (	-6444	NR_13627	1.05E+08		NR_136278		LOC10537	-	uncharact	ncRNA
chr9-8631	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr9	86310780	86314122	+	0	NA	intron (	SVA_D|Ret	-29913	NM_03094	81689	Hs.449291	NM_03094	ENSG0000	ISCA1	HBLD2|IS	iron-sulf	protein-coding
chr9-108	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (	AluJr|SI	13451	NM_006687	10881	Hs.12353	NM_006687	ENSG0000	ACTL7A	-	actin li	protein-coding
chr9-1287	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	17098	NR_04624	1.01E+08	Hs.62946	NR_04624	ENSG0000	LOC10050	-	uncharact	ncRNA
chrX-534	6.691452	0.582403	0.895197	0.650586	0.515314	0.981636	chrX	53406384	53407332	+	0	NA	intron (	AluSx1|SI	-1093	NR_10691	1.02E+08		NR_10691	ENSG0000	MIR6857	hsa-mir-	microRNA	ncRNA
chr1-915	12.2092	0.457903	0.70385	0.65057	0.515324	0.981636	chr1	9150210	9150828	+	0	NA	non-codi	non-codi	1258	NR_02961	407040		NR_02961	ENSG0000	MIR34A	MIRN34A|	microRNA	ncRNA
chr12-561	9.400404	0.497988	0.766227	0.649923	0.515742	0.981636	chr12	56173921	56175252	+	0	NA	intron (	intron (	14897	NM_139067	6601	Hs.23603	NM_00307	ENSG0000	SMARCC2	BAF170|C	SWI/SNF	protein-coding
chr2-975	9.400404	0.497988	0.766227	0.649923	0.515742	0.981636	chr2	97554745	97555092	+	0	NA	intron (	MER5A1|D	34959	NM_00135	57730	Hs.532921	NM_02097	ENSG0000	ANKRD36B	KIAA1641	ankyrin	protein-coding
chr12-45	3.435805	-0.8054	1.239239	-0.64991	0.515748	0.981636	chr12	45389728	45390521	+	0	NA	intron (	intron (	97434	NM_00114	196527	Hs.50533	NM_00102	ENSG0000	ANO6	BDPLT7|S	anoctami	protein-coding
chr5-180	10.00054	0.506224	0.779082	0.64977	0.515841	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (	MLT1E2|L	5911	NM_00130	5601	Hs.484371	NM_00275	ENSG0000	MAPK9	JNK-55|J	mitogen-	protein-coding
chr14-311	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr14	31197955	31198817	+	0	NA	intron (	Charlie1	9407	NM_01538	25831	Hs.708017	NM_01538	ENSG0000	HECTD1	EULIR	HECT dom	protein-coding
chr15-341	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr15	34148375	34148868	+	0	NA	intron (	intron (	46538	NM_15259	161779	Hs.156317	NM_15259	ENSG0000	PGBD4	-	piggyBac	protein-coding
chr16-887	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr16	88735101	88736558	+	0	NA	intron (	intron (	4649	NR_103774	1E+08	Hs.43771	NM_207451		LOC10028	-	uncharact	ncRNA
chr19-217	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr19	21745057	21745965	+	0	NA	intron (	AluYb8|SI	-5234	NR_02452	641367	Hs.68012	NR_02452	ENSG0000	LOC641367	-	cyclin Y	pseudo
chr19-377	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr19	37715032	37715736	+	0	NA	intron (	AluSx|SI	3804	NM_00117	84775	Hs.11662	NM_03268	ENSG0000	ZNF607	-	zinc fin	protein-coding
chr2-288	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr2	28859227	28859824	+	0	NA	intron (	intron (	10784	NM_01791	55006	Hs.46802	NM_01791	ENSG0000	TRMT61B	-	tRNA met	protein-coding
chr2-5497	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr2	54975951	54976581	+	0	NA	intron (	intron (	34006	NM_00700	57142	Hs.63785	NM_00700	ENSG0000	RTN4	ASY|NI22	reticulo	protein-coding
chr2-202	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	Intergeni	AluSx1|SI	31587	NR_003031	692058		NR_003031	ENSG0000	SNORD11	HBII-95	small nuc	snoRNA
chr20-45	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr20	45838729	45839476	+	0	NA	intron (	AluSp|SI	5303	NM_00104	90203	Hs.472854	NM_033421	ENSG0000	SNX21	C20orf161	sorting	protein-coding
chr3-1421	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (	AluJr|SI	-23622	NM_00117	7029	Hs.37901	NM_00628	ENSG0000	TFDP2	DP2	transcri	protein-coding
chr4-1281	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (	AluJo|SI	108734	NM_00632	10424	Hs.50791	NM_00632	ENSG0000	PGRMC2	DG6|PMBP	progeste	protein-coding
chr6-803	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr6	8038627	8039468	+	0	NA	intron (	L1MA4|LI	25342	NM_20128	63915	Hs.71927	NM_20128	ENSG0000	BLOC1S5	BLOS5|MU|	biogenesi	protein-coding
chr6-3744	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr6	37440436	37440891	+	0	NA	intron (	intron (	7442	NM_01505	23070	Hs.52010	NM_01505	ENSG0000	CMTR1	FTSJD2|KI	cap meth	protein-coding
chr8-3784	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr8	37840480	37841916	+	0	NA	exon (NM_	exon (NM_	8663	NM_01831	55290	Hs.709301	NM_01831	ENSG0000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr8-526	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr8	52667424	52668030	+	0	NA	intron (	intron (	46708	NM_014781	9821	Hs.19610	NM_014781	ENSG0000	RB1CC1	ATG17|CC1	RB1 induc	protein-coding
chr9-271	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr9	27189618	27190881	+	0	NA	intron (	L2c|LINE|	81108	NM_00045	7010	Hs.89640	NM_00045	ENSG0000	TEK	CD202B|G	TEK rece	protein-coding
chr9-363	5.153616	-0.66061	1.017492	-0.64926	0.516172	0.981636	chr9	36335318	36335929	+	0	NA	TTS (NM_	TTS (NM_	-58567	NM_00119	10020	Hs.5920	NM_00547	ENSG0000	GNE	DMRV|GLC	glucosami	protein-coding
chr7-7451	6.945847	-0.58028	0.893879	-0.64917	0.516228	0.981636	chr7	74513043	74513619	+	0	NA	intron (	AluSx1|SI	59425	NM_01632	9569	Hs.64705	NM_00568	ENSG0000	GTF2IRD1	BEN|CREA	GTF2I re	protein-coding
chr10-29	5.128192	-0.67087	1.033898	-0.64887	0.516421	0.981636	chr10	29680107	29680529	+	0	NA	intron (	L2c|LINE|	-45347	NM_02173	6840	Hs.49920	NM_003174	ENSG0000	SVIL	-	supervill	protein-coding
chr3-185	5.128192	-0.67087	1.033898	-0.64887	0.516421	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (	intron (	7145	NM_00459	6434	Hs.53312	NM_00459	ENSG0000	TRA2B	Htra2-bet	transfor	protein-coding
chr1-156	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (	intron (	-8145	NM_00127	79957	Hs.23587	NM_024897	ENSG0000	PAQR6	PRdelta	progesti	protein-coding
chr1-215	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr1	2.16E+08	2.16E+08	+	0	NA	intron (	MER41-int	17154	NM_00131	51133	Hs.33513	NM_016121	ENSG0000	KCTD3	NY-REN-4	potassiu	protein-coding
chr10-37	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr10	37827419	37838718	+	0	NA	non-codi	non-codi	24542	NM_00135	57209	Hs.52842	NM_02104	ENSG0000	ZNF248	bA162G10.	zinc fin	protein-coding
chr11-65	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr11	65345265	65352646	+	0	NA	intron (	intron (	-5796	NM_14571	220359	Hs.632121	NM_14571	ENSG0000	TIGD3	-	tigger t	protein-coding
chr19-441	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr19	44126198	44132869	+	0	NA	intron (	MER77B|L	-12021	NM_00663	10780	Hs.23599	NM_00663	ENSG0000	ZNF234	HZF4|ZNF	zinc fin	protein-coding
chr7-1494	9.930273	0.482175	0.743108	0.648863	0.516427	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (	Tigger2a|	5668	NM_00116	155061	Hs.24643	NM_152557	ENSG0000	ZNF746	PARIS	zinc fin	protein-coding
chr1-153	9.963555	0.484723	0.747198	0.64872	0.516519	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (	FLAM_C|SI	18341	NR_12656	343052	Hs.51653	NR_12656	ENSG0000	LOC34305	-	immunogl	pseudo
chr4-2674	9.963555	0.484723	0.747198	0.64872	0.516519	0.981636	chr4	26748640	26748993	+	0	NA	intron (	intron (	111428	NR_13467	1.05E+08	Hs.54885	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr12-12	10.63716	0.50049	0.771724	0.648535	0.516639	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	27277	NM_00135	55596	Hs.37706	NM_01761	ENSG0000	ZCCHC8	-	zinc fin	protein-coding

chr17-49	9.160245	-0.50257	0.774957	-0.64851	0.516655	0.981636	chr17	49036974	49037425	+	0	NA	intron (	intron (	39814	NM_00116	10642	Hs.14493	NM_00654	ENSG0000	IGF2BP1	CRD-BP|C	insulin l	protein-coding
chr5-1341	9.160245	-0.50257	0.774957	-0.64851	0.516655	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (	intron (	14240	NM_17067	6500	Hs.17162	NM_00693	ENSG0000	SKP1	EMC19|OC	S-phase k	protein-coding
chr5-487	31.09488	0.302188	0.465999	0.648475	0.516678	0.981636	chr5	48791310	48792133	+	0	NA	Intergeni	ALR/Alpha	1649567	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-441	13.64812	0.41664	0.642527	0.64844	0.5167	0.981636	chr19	44100561	44108688	+	0	NA	TTS (NR_	TTS (NR_	8559	NR_033341	1E+08	Hs.58586	NR_033341	ENSG0000	LOC10037	-	uncharact	ncRNA
chr17-56	4.709725	-0.70676	1.089953	-0.64844	0.516703	0.981636	chr17	56909146	56909672	+	0	NA	intron (	AluJb|SI	4640	NM_00508	7706	Hs.52895	NM_00508	ENSG0000	TRIM25	EFP|RNF14	tripartit	protein-coding
chr12-88	9.111248	-0.5039	0.777487	-0.64812	0.516909	0.981636	chr12	88087406	88087653	+	0	NA	intron (	AluY|SIN	51993	NM_00100	91298	Hs.59100	NM_00100	ENSG0000	C12orf29	-	chromosom	protein-coding
chr3-1137	9.111248	-0.5039	0.777487	-0.64812	0.516909	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	22875	NM_00130	80218	Hs.37237	NM_02514	ENSG0000	NAA50	MAK3|NAT1	N(alpha)-	protein-coding
chr8-1411	9.111248	-0.5039	0.777487	-0.64812	0.516909	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	Intergeni	MLT1C|LT	31050	NM_00108	57210	Hs.37249	NM_00108	ENSG0000	SLC45A4	-	solute ca	protein-coding
chr1-992	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr1	9928331	9928802	+	0	NA	3’ UTR (	3’ UTR (	-14357	NM_001297	64802	Hs.63376	NM_022787	ENSG0000	NMNAT1	LCA9|NMN	nicotinam	protein-coding
chr13-23	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr13	23352291	23353598	+	0	NA	intron (	intron (	22564	NM_00127	26278	Hs.15949	NM_01436	ENSG0000	SACS	ARSACS|D	sacsin m	protein-coding
chr16-16	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr16	16242744	16243469	+	0	NA	intron (	intron (	10511	NM_17361	283820	Hs.460141	NM_17361	ENSG0000	NOMO2	Nomo|PM5	NODAL mo	protein-coding
chr2-1114	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (	L3|LINE|	11337	NR_13616	541471	Hs.56080	NR_01539	ENSG0000	MIR4435-	AGD2|LIN	MIR4435-	ncRNA
chr2-1514	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	3’ UTR (	3’ UTR (	65330	NM_001177	55183	Hs.536537	NM_018151	ENSG0000	RIF1	-	replicati	protein-coding
chr20-35	6.881134	-0.57863	0.89303	-0.64793	0.517027	0.981636	chr20	35282291	35283186	+	0	NA	intron (	AluSp|SI	1979	NM_001267	3692	Hs.74399	NM_00221	ENSG0000	EIF6	CAB|EIF3	eukaryoti	protein-coding
chr2-173	9.152387	-0.50118	0.773577	-0.64788	0.517065	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (	intron (	77449	NR_03388	339751	Hs.57008	NR_03388	ENSG0000	MAP3K20-	MLK7-AS1	MAP3K20 a	ncRNA
chr5-873	9.152387	-0.50118	0.773577	-0.64788	0.517065	0.981636	chr5	87338270	87340066	+	0	NA	intron (	intron (	-15540	NR_13092	644285	Hs.70925	NR_130929		LOC64428	-	uncharact	ncRNA
chr6-100	9.152387	-0.50118	0.773577	-0.64788	0.517065	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	20893	NM_00682	10973	Hs.486031	NM_00682	ENSG0000	ASCC3	ASC1p200|	activati	protein-coding
chr9-1114	9.152387	-0.50118	0.773577	-0.64788	0.517065	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	72310	NM_001364	23392	Hs.36825	NM_00108	ENSG0000	ECPAS	ECM29|KI	Ecm29 pr	protein-coding
chr20-38	11.36679	-0.45436	0.701336	-0.64785	0.517082	0.981636	chr20	38017325	38018812	+	0	NA	intron (	L1MEg|LI	15388	NM_00130	9675	Hs.655481	NM_014657	ENSG0000	TTI1	KIAA0406|	TELO2 int	protein-coding
chr15-90	8.683073	-0.52215	0.805993	-0.64783	0.517095	0.981636	chr15	90466893	90467382	+	0	NA	intron (	intron (	-62786	NM_02276	64784	Hs.56757	NM_02276	ENSG0000	CRTC3	TORC-3|T	CREB reg	protein-coding
chr8-377	8.683073	-0.52215	0.805993	-0.64783	0.517095	0.981636	chr8	37754600	37755050	+	0	NA	3’ UTR (	3’ UTR (	-6779	NR_003671	728024	Hs.64713	NR_003671		LOC728024	-	chromosom	pseudo
chr17-44	8.903816	0.51821	0.799992	0.647769	0.517134	0.981636	chr17	44351532	44351863	+	0	NA	exon (NM_	exon (NM_	6611	NM_002087	2896	Hs.51422	NM_002087	ENSG0000	GRN	CLN11|GE	granulin	protein-coding
chr1-234	9.466967	0.503237	0.777831	0.646976	0.517648	0.981636	chr1	23436893	23437333	+	0	NA	intron (	CpG-648	-12365	NM_00319	6920	Hs.446354	NM_00319	ENSG0000	TCEA3	TFIIS|TF	transcri	protein-coding
chr13-23	9.466967	0.503237	0.777831	0.646976	0.517648	0.981636	chr13	23883301	23885901	+	0	NA	intron (	MIR|SINE|	-4267	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr19-11	6.228146	0.622574	0.962459	0.646857	0.517724	0.981636	chr19	11225815	11226523	+	0	NA	intron (	Charlie8|	-13450	NM_018687	55908	Hs.534467	NM_018687	ENSG0000	ANGPTL8	C19orf80|	angiopoi	protein-coding
chr1-1617	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr1	1.62E+08	1.62E+08	+	0	NA	intron (	L1M5|LIN	20072	NM_00734	22926	Hs.49274	NM_00734	ENSG0000	ATF6	ACHM7|AT	activati	protein-coding
chr10-11	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	16175	NM_024834	79892	Hs.12424	NM_024834	ENSG0000	MCMBP	C10orf11	minichrom	protein-coding
chr12-24	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr12	24860467	24860766	+	0	NA	intron (	MER41-int	41606	NM_00117	586	Hs.43899	NM_005504	ENSG0000	BCAT1	BCATC|BC	branched	protein-coding
chr12-69	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr12	69562337	69563097	+	0	NA	intron (	AluJo|SI	-22006	NR_03747	1.01E+08		NR_03747	ENSG0000	MIR3913-	mir-3913-	microRNA	ncRNA
chr17-17	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr17	17245628	17246688	+	0	NA	TTS (NM_	TTS (NM_	-8990	NM_14460	201163	Hs.31652	NM_14460	ENSG0000	FLCN	BHD|DENN	follicul	protein-coding
chr17-37	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr17	37528974	37529258	+	0	NA	intron (	intron (	39225	NM_00702	11072	Hs.91448	NM_00702	ENSG0000	DUSP14	MKP-L|MK	dual spe	protein-coding
chr2-248	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr2	24820425	24820958	+	0	NA	non-codi	non-codi	27266	NM_00119	79172	Hs.73156	NM_02432	ENSG0000	CENPO	CENP-O|I	centrome	protein-coding
chr2-3331	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr2	33317821	33319328	+	0	NA	intron (	intron (	-99942	NR_03962	1.01E+08		NR_03962	ENSG0000	MIR4430	-	microRNA	ncRNA
chr2-5557	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr2	55578540	55579484	+	0	NA	intron (	Tigger13	38610	NM_00112	57223	Hs.51618	NM_02046	ENSG0000	PPP4R3B	FLFL2|PP4	protein	protein-coding
chr20-467	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr20	46728993	46730268	+	0	NA	intron (	AluYc3|SI	19981	NM_030777	81031	Hs.305971	NM_030777	ENSG0000	SLC2A10	ATORS|AT	solute ca	protein-coding
chr22-314	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr22	31446501	31447145	+	0	NA	intron (	intron (	42733	NM_001164	56478	Hs.51755	NM_01984	ENSG0000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr3-1054	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr3	1.05E+08	1.05E+08	+	0	NA	intron (	THE1C-int	124460	NM_001627	214	Hs.59129	NM_001627	ENSG0000	ALCAM	CD166|ME	activate	protein-coding
chr3-187	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (	MLT1H-int	-21709	NR_135551	1.02E+08		NR_135551	ENSG0000	LOC10192	-	uncharact	ncRNA
chr4-564	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr4	56498667	56502995	+	0	NA	intron (	intron (	-4378	NM_20691	132946	Hs.44444	NM_20691	ENSG0000	ARL9	-	ADP ribo	protein-coding
chr5-5444	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr5	5444264	5444928	+	0	NA	intron (	intron (	21919	NM_01532	23379	Hs.44929	NM_01532	ENSG0000	ICE1	KIAA0947	interact	protein-coding
chr5-9357	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr5	93570898	93573067	+	0	NA	promoter-	promoter-	-639	NR_10982	441094	Hs.457407	NR_01536	ENSG0000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-137	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	TTS (NM_	TTS (NM_	47822	NM_01438	27039	Hs.716884	NM_01438	ENSG0000	PKD2L2	TRPP5	polycysti	protein-coding
chr5-177	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	MER50|LT	7020	NM_00130	23567	Hs.48425	NM_01227	ENSG0000	ZNF346	JAZ|Zfp34	zinc fin	protein-coding
chr6-1324	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (	intron (	43788	NM_00132	8417	Hs.59314	NM_00356	ENSG0000	STX7	-	syntaxin	protein-coding
chr6-1514	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	21942	NM_01790	55005	Hs.48683	NM_01790	ENSG0000	RMND1	C6orf96|	required	protein-coding
chr7-1541	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr7	1541898	1543222	+	0	NA	3’ UTR (	3’ UTR (	-7680	NR_14903	1E+08	Hs.65698	NR_149036		LOC10012	-	uncharact	ncRNA
chr7-248	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr7	24860184	24861486	+	0	NA	intron (	L1MD2|LI	31786	NR_104111	26031	Hs.52025	NM_01555	ENSG0000	OSBPL3	ORP-3|OR	oxysterol	protein-coding
chr7-4751	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr7	47511307	47512222	+	0	NA	intron (	intron (	-46961	NR_14581	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-5897	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chr8	58976455	58977332	+	0	NA	intron (	Tigger1|	142254	NM_01472	9760	Hs.49180	NM_01472	ENSG0000	TOX	TOX1	thymocyt	protein-coding
chrX-136	6.914415	-0.57309	0.886132	-0.64673	0.517808	0.981636	chrX	1.37E+08	1.37E+08	+	0	NA	intron (	AluY|SIN	7875	NR_00273	26787		NR_00273	ENSG0000	SNORD61	HBII-342|	small nuc	snoRNA
chr1-945	14.08378	-0.41027	0.634458	-0.64665	0.517857	0.981636	chr1	94529544	94541609	+	0	NA	intron (	intron (	6183	NM_00199	2152	Hs.62192	NM_00199	ENSG0000	F3	CD142|TF|	coagulati	protein-coding
chr19-26	37.3331	0.281166	0.434945	0.646441	0.517993	0.981636	chr19	26919544	26920304	+	0	NA	Intergeni	ALR/Alpha	-873507	NR_14673	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-14	11.82639	-0.44759	0.692973	-0.6459	0.518344	0.981636	chr10	14914586	14914785	+	0	NA	intron (	AluSx|SI	35785	NM_02467	79723	Hs.55488	NM_02467	ENSG0000	SUV39H2	KMT1B	suppress	protein-coding
chr2-182	9.077966	-0.50811	0.786868	-0.64573	0.518452	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	-60127	NM_00146	2487	Hs.12845	NM_00146	ENSG0000	FRZB	FRE|FRIT	frizzled	protein-coding
chr2-552	8.608652	-0.52949	0.820025	-0.6457	0.518471	0.981636	chr2	55203584	55203907	+	0	NA	intron (	L1MA3|LI	-28158	NM_00113	6233	Hs.31164	NM_002954	ENSG0000	RPS27A	CEP80|HE	ribosomal	protein-coding
chr15-42	3.972793	0.767588	1.188827	0.645668	0.518494	0.981636	chr15	42810396	42810870	+	0	NA	exon (NM_	exon (NM_	-73505	NM_138477	146059	Hs.59923	NM_138477	ENSG0000	CDAN1	CDA1|CDA	codanin 1	protein-coding
chr2-130	7.246746	0.559797	0.867243	0.645491	0.518609	0.981636	chr2	1.3E+08	1.3E+08	+	0	NA	3’ UTR (	3’ UTR (	-4398	NM_001321	84317	Hs.10420	NM_032357	ENSG0000	CCDC115	CDG2O|cc	coiled-c	protein-coding
chr7-382	7.246746	0.559797	0.867243	0.645491	0.518609	0.981636	chr7	38220182	38220886	+	0	NA	intron (	L1MB3|LI	42289	NM_03201	83930	Hs.30975	NM_03201	ENSG0000	STARD3NL	MENTHO	STARD3 N-	protein-coding
chr17-28	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr17	28392446	28393101	+	0	NA	intron (	intron (	13439	NM_08066	113235	Hs.44668	NM_08066	ENSG0000	SLC46A1	G21|HCP1|	solute ca	protein-coding
chr17-56	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr17	56862598	56864360	+	0	NA	3’ UTR (	3’ UTR (	21434	NR_02702	246754	Hs.72073	NR_027025		MTVR2	-	mouse mam	pseudo
chr18-26	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr18	263954	264667	+	0	NA	intron (	intron (	3737	NM_005131	9984	Hs.71254	NM_005131	ENSG0000	THOC1	HPR1|P84|	THO compl	protein-coding
chr18-70	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr18	70339469	70340219	+	0	NA	intron (	MLT1E2|LT	-1664	NR_14645	1.03E+08		NR_146458		LIVAR	lnc18q22.	liver cel	ncRNA
chr19-57	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr19	57200497	57202841	+	0	NA	intron (	intron (	10169	NM_003417	9422	Hs.51563	NM_003417	ENSG0000	ZNF264	-	zinc fin	protein-coding
chr3-144	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr3	14457801	14458307	+	0	NA	exon (NM_	exon (NM_	55448	NM_001134	6533	Hs.52948	NM_00304	ENSG0000	SLC6A6	TAUT	solute ca	protein-coding
chr3-576	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr3	57681219	57681775	+	0	NA	intron (	AluJo|SI	11580	NM_15267	201627	Hs.91085	NM_15267	ENSG0000	DENND6A	AFI1A|FA	DENN doma	protein-coding
chr3-188	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	3’ UTR (	3’ UTR (	62500	NR_04687	1.01E+08	Hs.616287	NR_04687	ENSG0000	TPRG1-AS1	-	TPRG1 ant	ncRNA
chr5-170	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (	intron (	41574	NM_022897	64901	Hs.41081	NM_022897	ENSG0000	RANBP17	-	RAN bindi	protein-coding
chr6-740	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr6	7408200	7409293	+	0	NA	intron (	AluSp|SI	18917	NM_00134	83732	Hs.437474	NM_03148	ENSG0000	RIOK1	AD034|RI	RIO kina	protein-coding
chr8-378	5.186897	-0.65312	1.012236	-0.64523	0.51878	0.981636	chr8	37866013	37867068	+	0	NA	intron (	intron (	-16679	NM_01831	55290	Hs.709301	NM_01831	ENSG0000	BRF2	BRFU|TFI	BRF2 RNA	protein-coding
chr17-61	9.144529	-0.49978	0.774588	-0.64522	0.518786	0.981636	chr17	61981768	61983878	+	0	NA	exon (NM_	exon (NM_	-54841	NM_00133	57508	Hs.27964	NM_02074	ENSG0000	INTS2	INT2|KIA	integrat	protein-coding
chr2-111	9.144529	-0.49978	0.774588	-0.64522	0.518786	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (	MSTA|LTR|	-39330	NR_039634	1.01E+08		NR_039634	ENSG0000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr2-2071	9.144529	-0.49978	0.774588	-0.64522	0.518786	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	10350	NM_00127	8609	Hs.59908	NM_00370	ENSG0000	KLF7	UKLF	Kruppel l	protein-coding
chr9-1054	9.144529	-0.49978	0.774588	-0.64522	0.518786	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (	L1M2|LIN	17343	NM_001287	83856	Hs.136901	NM_03191	ENSG0000	FSD1L	CCDC10|C	fibronect	protein-coding
chrX-271	6.667878	0.589603	0.91458	0.644671	0.51914	0.981636	chrX	2715331	2715883	+	0	NA	intron (	MLT1C|LT	24312	NM_002414	4267	Hs.65334	NM_002414	ENSG0000	CD99	HBA71|MI	CD99 mol	protein-coding
chr5-490	13.68926	0.417419	0.64768	0.644483	0.519262	0.981636	chr5	49027237	49029164	+	0	NA	Intergeni	ALR/Alpha	1413088	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr2-1637	8.937097	0.520887	0.808324	0.644404	0.519313	0.981636	chr2	1637125	1637613	+	0	NA	intron (	intron (	107146	NM_01229	7837	Hs.332197	NM_01229	ENSG0000	PXDN	ASGD7|CO	peroxida	protein-coding
chr10-30	9.359264	0.496955	0.771411	0.644215	0.519436	0.981636	chr10	30336961	30337230	+	0	NA	intron (	intron (	12243	NM_01810	55149	Hs.17394	NM_01810	ENSG0000	MTPAP	PAPD1|SP	mitochon	protein-coding
chr3-459	9.896992	0.479627	0.744546	0.644188	0.519454	0.981636	chr3	45966891	45968197	+	0	NA	exon (NM_	exon (NM_	24080	NM_006564	10663	Hs.34526	NM_006564	ENSG0000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding
chr5-1591	5.194755	-0.65547	1.017623	-0.64412	0.5195	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	Intergeni	Intergeni	52129	NM_00119	153830	Hs.34930	NM_14472	ENSG0000	RNF145	-	ring fin	protein-coding
chr1-900	7.256453	0.570285	0.885932	0.643713	0.519762	0.981636	chr1	90030286	90030959	+	0	NA	3’ UTR (	3’ UTR (	35512	NM_181781	284695	Hs.306221	NM_181781	ENSG0000	ZNF326	ZAN75|ZI	zinc fin	protein-coding
chr1-120	9.938131	0.48057	0.746594	0.643683	0.519781	0.981636	chr1	12003780	12007560	+	0	NA	intron (	intron (	-13828	NM_02193	60672	Hs.8595	NM_02193	ENSG0000	MIIP	IIP45	migratio	protein-coding
chr1-150	9.938131	0.48057	0.746594	0.643683	0.519781	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	TTS (NM_	TTS (NM_	19896	NM_00136	9869	Hs.64356	NM_01243	ENSG0000	SETDB1	ESET|H3-	SET domai	protein-coding
chr16-857	9.938131	0.48057	0.746594	0.643683	0.519781	0.981636	chr16	85779545	85781409	+	0	NA	intron (	intron (	-11938	NR_13519	1.02E+08	Hs.662217	NR_13519	ENSG0000	LOC10192	-	uncharact	ncRNA
chr19-57	9.938131	0.48057	0.746594	0.643683	0.519781	0.981636	chr19	57925418	57930314	+	0	NA	exon (NM_	exon (NM_	7536	NM_001317	147686	Hs.66072	NM_13346	ENSG0000	ZNF418	-	zinc fin	protein-coding
chr1-119	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr1	11939780	11940595	+	0	NA	intron (	AluJr|SI	5470	NM_00131	5351	Hs.75093	NM_00030	ENSG0000	PLOD1	EDS6|EDS	procolla	protein-coding
chr16-84	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr16	84593616	84594600	+	0	NA	intron (	L1MB7|LI	23970	NM_02114	23406	Hs.28909	NM_02114	ENSG0000	COTL1	CLP	coactosi	protein-coding
chr19-35	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr19	3520964	3522205	+	0	NA	intron (	AluSg|SI	-1372	NM_00113	51343	Hs.41313	NM_01626	ENSG0000	FZR1	CDC20C|C	fizzy an	protein-coding
chr2-1114	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	7896	NR_13616	541471	Hs.56080	NR_01539	ENSG0000	MIR4435-	AGD2|LIN	MIR4435-	ncRNA
chr22-45	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr22	45531442	45533268	+	0	NA	intron (	intron (	29472	NM_00199	2192	Hs.24601	NM_00199	ENSG0000	FBLN1	FBLN|FIB	fibulin 1	protein-coding
chr5-1407	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-4074	NR_02670	56664		NR_02670	ENSG0000	VTRNA1-1	HVG1|VAU	vault RN	ncRNA
chr5-1774	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	Intergeni	MER102a|	-6120	NM_00136	1627	Hs.13031	NM_00439	ENSG0000	DBN1	D0S117E	drebrin 1	protein-coding
chr6-871	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr6	87169213	87169959	+	0	NA	intron (	intron (	14021	NM_015021	23036	Hs.44480	NM_015021	ENSG0000	ZNF292	Nbla0036	zinc fin	protein-coding
chr8-100	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr8	1E+08	1E+08	+	0	NA	intron (	L2a|LINE|	39763	NM_00135	25897	Hs.29288	NM_01543	ENSG0000	RNF19A	RNF19	ring fin	protein-coding
chr9-9474	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr9	94745518	94745815	+	0	NA	intron (	L1MA3|LI	-13983	NM_00119	84909	Hs.43425	NM_03282	ENSG0000	AOPEP	AP-O|APO|	aminopept	protein-coding
chr9-1284	5.145758	-0.6583	1.022907	-0.64356	0.51986	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (	AluSx|SI	9241	NM_153437	4957	Hs.12905	NM_00254	ENSG0000	ODF2	CT134|OD	outer de	protein-coding
chr1-2124	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr1	21249968	21250422	+	0	NA	intron (	L1MB3|LI	29420	NM_00111	1889	Hs.19508	NM_001397	ENSG0000	ECE1	ECE	endotheli	protein-coding
chr1-206	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (	intron (	11427	NM_00475	9261	Hs.64356	NM_00475	ENSG0000	MAPKAPK2	MAPKAP-K	MAPK acti	protein-coding
chr1-228	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (	L1PB4|LI	-2779	NR_10680	1.02E+08		NR_10680	ENSG0000	MIR6742	hsa-mir-	microRNA	ncRNA
chr11-63	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr11	63826949	63827780	+	0	NA	3’ UTR (	3’ UTR (	-11564	NM_00103	2011	Hs.567261	NM_004954	ENSG0000	MARK2	EMK-1|EM	microtub	protein-coding
chr11-68	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr11	68021386	68023909	+	0	NA	exon (NM_	exon (NM_	-8034	NM_00249	4728	Hs.90443	NM_00249	ENSG0000	NDUFS8	CI-23k|C	NADH:ubi	protein-coding
chr12-62	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr12	62344480	62345257	+	0	NA	intron (	THE1B-int	84464	NR_14708	9958	Hs.434951	NM_00631	ENSG0000	USP15	UNPH-2|U	ubiquiti	protein-coding
chr13-197	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr13	19726488	19727050	+	0	NA	intron (	intron (	56176	NM_001354	55269	Hs.21319	NM_00104	ENSG0000	PSPC1	PSP1	paraspec	protein-coding
chr15-40	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr15	40811211	40812096	+	0	NA	intron (	FLAM_C|SI	-4180	NM_01816	55192	Hs.51106	NM_01816	ENSG0000	DNAJC17	-	DnaJ heat	protein-coding
chr17-64	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr17	64826695	64828659	+	0	NA	intron (	L1MB7|LI	-5575	NR_036271	1E+08		NR_036271	ENSG0000	MIR4315-	-	microRNA	ncRNA
chr17-75	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr17	75898894	75901085	+	0	NA	intron (	intron (	-3038	NM_00125	201292	Hs.18982	NM_173547	ENSG0000	TRIM65	4732463G1	tripartit	protein-coding
chr19-177	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr19	17733186	17735200	+	0	NA	intron (	intron (	-13551	NM_001161	23149	Hs.96485	NM_01512	ENSG0000	FCHO1	-	FCH domai	protein-coding
chr19-36	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr19	36365686	36367904	+	0	NA	intron (	L1ME3A|LI	12406	NM_020917	57677	Hs.35524	NM_020917	ENSG0000	ZFP14	ZNF531	ZFP14 zi	protein-coding
chr19-41	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr19	41955829	41957063	+	0	NA	TTS (NM_	TTS (NM_	2875	NM_00642	10567	Hs.11417	NM_00642	ENSG0000	RABAC1	PRA1|PRA	Rab acce	protein-coding
chr19-44	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr19	44055321	44056021	+	0	NA	intron (	AluSp|SI	3635	NM_013361	7766	Hs.72081	NM_013361	ENSG0000	ZNF223	-	zinc fin	protein-coding
chr19-45	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr19	45028275	45031513	+	0	NA	intron (	AluJb|SI	-9151	NM_00705	11129	Hs.466917	NM_00705	ENSG0000	CLASRP	CLASP|SF	CLK4 ass	protein-coding
chr2-207	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (	L1MB2|LI	30099	NM_14528	151194	Hs.664764	NM_14528	ENSG0000	METTL21A	FAM119A|	methyltr	protein-coding
chr20-33	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr20	33640318	33641861	+	0	NA	intron (	AluY|SIN	-21238	NM_08082	128864	Hs.324104	NM_08082	ENSG0000	C20orf144	dJ63M2.6	chromosom	protein-coding
chr20-34	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr20	34926968	34928816	+	0	NA	TTS (NM_	TTS (NM_	27743	NM_00132	2937	Hs.82327	NM_00017	ENSG0000	GSS	GSHS|HEL-	glutathi	protein-coding
chr20-58	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr20	58679873	58680575	+	0	NA	TTS (NM_	TTS (NM_	-8907	NM_001204	79716	Hs.65486	NM_02466	ENSG0000	NPEPL1	bA261P9.	aminopept	protein-coding
chr21-337	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr21	33778169	33778995	+	0	NA	intron (	AluYa5|SI	136081	NM_001331	6453	Hs.90221	NM_003024	ENSG0000	ITSN1	ITSN|SH3	intersect	protein-coding
chr5-1507	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	TTS (NM_	TTS (NM_	-6859	NM_018047	55696	Hs.713564	NM_018047	ENSG0000	RBM22	Cwc2|ZC3	RNA bindi	protein-coding
chr7-8874	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr7	887461	888616	+	0	NA	intron (	intron (	11484	NM_01594	51608	Hs.107387	NM_01594	ENSG0000	GET4	C7orf20|	guided e	protein-coding
chr7-9951	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr7	99514456	99516759	+	0	NA	intron (	AluSx1|SI	9602	NM_00131	23660	Hs.11083	NM_01456	ENSG0000	ZKSCAN5	ZFP-95|Z	zinc fin	protein-coding
chr9-108	6.69931	0.579964	0.901582	0.643273	0.520047	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (	intron (	26973	NM_006687	10881	Hs.12353	NM_006687	ENSG0000	ACTL7A	-	actin li	protein-coding
chr1-848	5.120334	-0.6686	1.039436	-0.64323	0.520076	0.981636	chr1	84852294	84852668	+	0	NA	intron (	intron (	40725	NM_01215	23566	Hs.52790	NM_01215	ENSG0000	LPAR3	EDG7|Edg-	lysophos	protein-coding
chr6-444	5.120334	-0.6686	1.039436	-0.64323	0.520076	0.981636	chr6	44400802	44401617	+	0	NA	intron (	L1M4b|LI	13503	NM_00125	988	Hs.485471	NM_00125	ENSG0000	CDC5L	CDC5|CDC	cell divi	protein-coding
chr1-4271	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr1	42710166	42711079	+	0	NA	Intergeni	AluSc|SI	27486	NR_132737	4904	Hs.47358	NM_00455	ENSG0000	YBX1	BP-8|CBF-	Y-box bi	protein-coding
chr1-2117	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (	intron (	-33375	NR_13581	1.03E+08	Hs.14765	NR_13581	ENSG0000	LPGAT1-A	-	LPGAT1 a	ncRNA

chr10-27	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr10	27089513	27091883	+	0	NA	intron (	intron (	9800	NM_00125	22852	Hs.361041	NM_01491	ENSG0000	ANKRD26	THC2|bA14	ankyrin	protein-coding
chr10-74	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr10	74997381	74998545	+	0	NA	intron (	AluSx1|SI	-23770	NR_14581	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr10-864	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr10	86489084	86490050	+	0	NA	intron (	MER20|DN	32217	NM_00131	23063	Hs.20309	NM_01504	ENSG0000	WAPL	FOE|KIAA	WAPL coh	protein-coding
chr10-13	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (	CpG	10679	NM_001321	3632	Hs.52336	NM_00553	ENSG0000	INPP5A	5PTASE	inositol	protein-coding
chr11-104	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr11	10485845	10486453	+	0	NA	intron (	L3|LINE|	22177	NR_03970	1.01E+08		NR_03970	ENSG0000	MIR4485	mir-4485	microRNA	ncRNA
chr13-451	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr13	45175118	45176029	+	0	NA	intron (	L1MEg|LI	25472	NM_198404	386618	Hs.23406	NM_198404	ENSG0000	KCTD4	bA321C24.	potassiu	protein-coding
chr14-52	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr14	52642926	52644553	+	0	NA	intron (	intron (	51819	NM_014584	30001	Hs.52533	NM_014584	ENSG0000	ERO1A	ERO1-L|E	endoplas	protein-coding
chr15-75	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr15	75919045	75919939	+	0	NA	intron (	MIRb|SIN	15614	NM_14718	26263	Hs.59111	NM_01217	ENSG0000	FBXO22	FBX22|FI	F-box pr	protein-coding
chr15-94	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr15	94357289	94358306	+	0	NA	intron (	intron (	1867	NM_00115	55784	Hs.33368	NM_01834	ENSG0000	MCTP2	-	multiple	protein-coding
chr16-507	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr16	50744744	50746549	+	0	NA	intron (	AluJo|SI	3341	NR_13046	1E+08		NR_13046	ENSG0000	MIR3181	-	microRNA	ncRNA
chr19-344	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr19	34414071	34414829	+	0	NA	intron (	AluSx1|SI	10051	NM_03234	84306	Hs.515344	NM_03234	ENSG0000	PDCD2L	-	programm	protein-coding
chr2-546	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr2	54636762	54637882	+	0	NA	intron (	intron (	78928	NM_17831	6711	Hs.50317	NM_00312	ENSG0000	SPTBN1	ELF|HEL1	spectrin	protein-coding
chr2-101	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	TTS (NM_	TTS (NM_	17867	NM_00099	6160	Hs.46947	NM_00099	ENSG0000	RPL31	L31	ribosomal	protein-coding
chr3-124	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr3	12428320	12429505	+	0	NA	intron (	MIR3|SIN	-55520	NM_00114	80746	Hs.33555	NM_02526	ENSG0000	TSEN2	PCH2B|SE	tRNA spli	protein-coding
chr3-988	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr3	98821207	98823144	+	0	NA	intron (	intron (	58868	NM_00132	10402	Hs.14871	NM_00610	ENSG0000	ST3GAL6	SIAT10|S	ST3 beta-	protein-coding
chr3-1721	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	96595	NM_00113	64778	Hs.74488	NM_02276	ENSG0000	FNDC3B	FAD104|P	fibronect	protein-coding
chr3-195	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	3’ UTR (	3’ UTR (	-7357	NM_152531	152002	Hs.478741	NM_152531	ENSG0000	XXYLT1	C3orf21	xyloside	protein-coding
chr4-3997	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr4	39971816	39972441	+	0	NA	intron (	intron (	5783	NM_00110	23244	Hs.331431	NM_01520	ENSG0000	PDS5A	PIG54|SC	PDS5 coh	protein-coding
chr4-475	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr4	47522756	47524071	+	0	NA	intron (	intron (	38138	NM_02045	57205	Hs.437241	NM_02045	ENSG0000	ATP10D	ATPVD	ATPase p	protein-coding
chr5-168	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr5	16836476	16837409	+	0	NA	intron (	L1MB7|LI	99346	NM_012334	4651	Hs.48172	NM_012334	ENSG0000	MYO10	-	myosin X	protein-coding
chr5-1117	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr5	1.12E+08	1.12E+08	+	0	NA	3’ UTR (	3’ UTR (	26388	NM_00114	9315	Hs.36053	NM_00477	ENSG0000	NREP	C5orf13|	neuronal	protein-coding
chr5-1514	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	30580	NM_00130	206358	Hs.269004	NM_07848	ENSG0000	SLC36A1	Dct1|LYA	solute c	protein-coding
chr5-154	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	12441	NM_001317	10827	Hs.166551	NM_018691	ENSG0000	FAM114A2	133K02|C	family wi	protein-coding
chr7-234	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr7	23409481	23415093	+	0	NA	intron (	(TACTTAT)	15841	NR_145734	1.1E+08		NR_145734	ENSG0000	SNORD65C	-	small nuc	snoRNA
chr7-480	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr7	48096012	48097346	+	0	NA	intron (	intron (	7414	NM_003364	7378	Hs.48824	NM_003364	ENSG0000	UPP1	UDRPASE|	uridine	protein-coding
chr7-1487	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	84697	NM_00137	8454	Hs.14680	NM_00359	ENSG0000	CUL1	-	cullin 1	protein-coding
chr8-265	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr8	26594039	26595262	+	0	NA	intron (	(ATCT)n|	16245	NM_001244	1808	Hs.593187	NM_00138	ENSG0000	DPYSL2	CRMP-2|C	dihydropy	protein-coding
chr8-429	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr8	42969451	42971490	+	0	NA	intron (	L1ME3Cz|	73492	NM_03241	84376	Hs.16285	NM_03241	ENSG0000	HOOK3	HK3	hook mic	protein-coding
chr8-631	5.179039	-0.65078	1.012227	-0.64292	0.520276	0.981636	chr8	63181601	63182192	+	0	NA	intron (	intron (	12893	NM_001277	253943	Hs.491861	NM_15275	ENSG0000	YTHDF3	-	YTH N6-m	protein-coding
chr1-122	9.408262	0.496207	0.771891	0.642846	0.520324	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	998723	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-151	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	Intergeni	-8876	NM_001304	57592	Hs.18675	NM_02083	ENSG0000	ZNF687	PDB6	zinc fin	protein-coding
chr11-13	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	24842	NM_13905	170689	Hs.534221	NM_13905	ENSG0000	ADAMTS15	-	ADAM met	protein-coding
chr12-29	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr12	2935992	2936324	+	0	NA	intron (	AluSx1|SI	-23239	NM_00321	7004	Hs.94865	NM_00321	ENSG0000	TEAD4	EFTR-2|R	TEA domai	protein-coding
chr14-93	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr14	93247771	93248541	+	0	NA	intron (	intron (	40900	NM_17574	55148	Hs.64880	NM_17574	ENSG0000	UBR7	C14orf13	ubiquiti	protein-coding
chr7-920	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr7	92023539	92023974	+	0	NA	intron (	L2a|LINE|	82881	NM_005751	10142	Hs.651221	NM_005751	ENSG0000	AKAP9	AKAP-9|A	A-kinase	protein-coding
chr7-155	6.658171	0.578798	0.90069	0.642617	0.520473	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (	AluSz|SI	34421	NM_05304	155435	Hs.59181	NM_05304	ENSG0000	RBM33	PRR8	RNA bindi	protein-coding
chr16-467	4.461523	0.698515	1.087004	0.642606	0.52048	0.981636	chr16	4675979	4676562	+	0	NA	intron (	intron (	4952	NR_106827	1.02E+08		NR_106827	ENSG0000	MIR6769A	hsa-mir-	microRNA	ncRNA
chr21-37	4.461523	0.698515	1.087004	0.642606	0.52048	0.981636	chr21	37235379	37236151	+	0	NA	intron (	intron (	27262	NR_02671	257203	Hs.50515	NM_14867	ENSG0000	DSCR9	NCRNA000	Down syn	ncRNA
chr4-2641	4.461523	0.698515	1.087004	0.642606	0.52048	0.981636	chr4	26413259	26413992	+	0	NA	intron (	intron (	76859	NM_00073	886	Hs.129	NM_00073	ENSG0000	CCKAR	CCK-A|CC	cholecyst	protein-coding
chr1-109	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	L1MEb|LI	25238	NM_00114	22911	Hs.57005	NM_01496	ENSG0000	WDR47	-	WD repeat	protein-coding
chr15-64	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr15	64979649	64981073	+	0	NA	intron (	intron (	9109	NM_001127	51324	Hs.24245	NM_01663	ENSG0000	SPG21	ABHD21|A	SPG21 ab	protein-coding
chr17-184	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr17	1844240	1844649	+	0	NA	intron (	intron (	14439	NM_00135	6117	Hs.46192	NM_00294	ENSG0000	RPA1	HSSB|MST	replicati	protein-coding
chr17-171	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr17	17161860	17163079	+	0	NA	intron (	intron (	43864	NM_17883	201164	Hs.72907	NM_17883	ENSG0000	PLD6	ZUC	phospholi	protein-coding
chr17-21	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr17	21305987	21307201	+	0	NA	intron (	AluSz6|SI	18558	NM_00275	5606	Hs.51401	NM_00275	ENSG0000	MAP2K3	MAPKK3|M	mitogen-	protein-coding
chr17-47	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr17	47923058	47923542	+	0	NA	intron (	intron (	18104	NR_10385	1.01E+08	Hs.65600	NR_10385	ENSG0000	SP2-AS1	-	SP2 anti	ncRNA
chr20-594	7.213464	0.556414	0.865933	0.64256	0.520509	0.981636	chr20	5940016	5941467	+	0	NA	intron (	AluJb|SI	9792	NM_01593	51605	Hs.128791	NM_01593	ENSG0000	TRMT6	CGI-09|G	tRNA met	protein-coding
chr2-175	3.402524	-0.81776	1.27383	-0.64197	0.520892	0.981636	chr2	1.76E+08	1.76E+08	+	0	NA	intron (	AluSx1|SI	26379	NM_03065	80856	Hs.209561	NM_03065	ENSG0000	LNPK	KIAA1715|	lunapark,	protein-coding
chr2-1791	3.402524	-0.81776	1.27383	-0.64197	0.520892	0.981636	chr2	1.79E+08	1.79E+08	+	0	NA	intron (	intron (	-99045	NM_17364	285025	Hs.324341	NM_17364	ENSG0000	CCDC141	CAMDI	coiled-c	protein-coding
chr12-957	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chr12	95772241	95773422	+	0	NA	intron (	L2a|LINE|	17364	NM_00132	59277	Hs.201034	NM_02122	ENSG0000	NTN4	PRO3091	netrin 4	protein-coding
chr16-50	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chr16	50082557	50083336	+	0	NA	intron (	AluSx|SI	16976	NM_00132	55027	Hs.733027	NM_01793	ENSG0000	HEATR3	SYO1	HEAT rep	protein-coding
chr16-88	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chr16	88385523	88386010	+	0	NA	Intergeni	MIRb|SIN	-41705	NM_001367	84627	Hs.54925	NM_001127	ENSG0000	ZNF469	BCS|BCS1	zinc fin	protein-coding
chr2-189	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (	intron (	69753	NM_001321	5378	Hs.11174	NM_000534	ENSG0000	PMS1	HNPCC3|M	PMS1 hom	protein-coding
chr8-540	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chr8	54081086	54081647	+	0	NA	intron (	intron (	20188	NM_00127	10434	Hs.74404	NM_00633	ENSG0000	LYPLA1	APT-1|AP	lysophos	protein-coding
chrX-100	3.427947	-0.80203	1.249343	-0.64196	0.5209	0.981636	chrX	1.01E+08	1.01E+08	+	0	NA	intron (	AluSz|SI	7468	NM_014467	27286	Hs.30633	NM_014467	ENSG0000	SRPX2	BPP|CBPS|	sushi re	protein-coding
chr1-104	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr1	10463387	10469072	+	0	NA	intron (	AluSc8|SI	6300	NM_21356	1676	Hs.48478	NM_004401	ENSG0000	DFFA	DFF-45|D	DNA frag	protein-coding
chr1-361	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr1	36139559	36140454	+	0	NA	intron (	intron (	9480	NM_01440	27095	Hs.523131	NM_01440	ENSG0000	TRAPPC3	BET3	trafficki	protein-coding
chr1-888	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr1	88851505	88853494	+	0	NA	TTS (NM_	TTS (NM_	39068	NM_001514	2959	Hs.48185	NM_001514	ENSG0000	GTF2B	TF2B|TFI	general t	protein-coding
chr1-2354	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (	intron (	28359	NM_15249	148789	Hs.49814	NM_15249	ENSG0000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr14-81	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr14	81207246	81208344	+	0	NA	intron (	THE1A-int	-4961	NR_003021	677845	Hs.693251	NR_003021	ENSG0000	SNORA79	ACA65|SN	small nuc	snoRNA
chr17-29	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr17	29581075	29581484	+	0	NA	intron (	intron (	8369	NM_01403	28964	Hs.514051	NM_01403	ENSG0000	GIT1	-	GIT ArfG	protein-coding
chr19-527	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr19	5273481	5274140	+	0	NA	intron (	intron (	67002	NM_130854	5802	Hs.74492	NM_00285	ENSG0000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr2-639	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr2	63905834	63906139	+	0	NA	intron (	L1ME1|LI	64106	NM_00675	7360	Hs.516217	NM_00675	ENSG0000	UGP2	UDPG|UDP	UDP-gluc	protein-coding
chr22-32	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr22	32387292	32388026	+	0	NA	TTS (NM_	TTS (NM_	10995	NR_03891	339666	Hs.654761	NR_03891	ENSG0000	LOC33966	-	uncharact	ncRNA
chr3-335	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr3	33534388	33535095	+	0	NA	intron (	MIRc|SIN	-94336	NM_014517	7342	Hs.72912	NM_014517	ENSG0000	UBP1	LBP-1B|L	upstream	protein-coding
chr4-999	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr4	99934550	99937668	+	0	NA	intron (	intron (	10509	NM_00127	79982	Hs.57742	NM_02492	ENSG0000	DNAJB14	EGNR9427|	DnaJ heat	protein-coding
chr5-556	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr5	55697161	55698072	+	0	NA	intron (	intron (	-4563	NR_04764	153129	Hs.742101	NM_173514	ENSG0000	SLC38A9	URLC11	solute c	protein-coding
chr6-301	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr6	30196449	30197482	+	0	NA	intron (	intron (	16441	NM_00124	7726	Hs.485041	NM_00344	ENSG0000	TRIM26	AFP|RNF9	tripartit	protein-coding
chr7-993	7.221322	0.554198	0.863311	0.641945	0.520909	0.981636	chr7	99395286	99396095	+	0	NA	TTS (NM_	TTS (NM_	12907	NM_014891	11333	Hs.63229	NM_014891	ENSG0000	PDAP1	HASPP28|	PDGFA as	protein-coding
chr15-727	9.351406	0.498613	0.776734	0.641935	0.520915	0.981636	chr15	72751592	72753082	+	0	NA	3’ UTR (	3’ UTR (	-30498	NR_040107	1E+08	Hs.562587	NR_040107	ENSG0000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr4-503	6.847852	-0.58436	0.910375	-0.64189	0.520943	0.981636	chr4	503066	503412	+	0	NA	intron (	L2c|LINE|	4029	NM_001127	54872	Hs.7099	NM_01773	ENSG0000	PIGG	GPI7|LAS	phosphati	protein-coding
chr1-151	9.90485	0.478031	0.74474	0.641877	0.520953	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	11172	NM_00133	5298	Hs.63246	NM_002651	ENSG0000	PI4KB	NPIK|PI4	phosphati	protein-coding
chr1-179	9.90485	0.478031	0.74474	0.641877	0.520953	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	AluJr4|SI	35881	NM_01481	9857	Hs.41304	NM_01481	ENSG0000	CEP350	CAP350|G	centroso	protein-coding
chr1-2357	6.130151	0.625627	0.975517	0.641329	0.521309	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (	intron (	-93741	NM_00109	2786	Hs.159711	NM_00448	ENSG0000	GNG4	-	G protei	protein-coding
chr12-76	6.16944	0.612312	0.954846	0.641268	0.521349	0.981636	chr12	76379010	76379209	+	0	NA	intron (	intron (	-30694	NM_02468	79738	Hs.96322	NM_02468	ENSG0000	BBS10	C12orf58	Bardet-Bi	protein-coding
chr12-11	6.16944	0.612312	0.954846	0.641268	0.521349	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluY|SIN	-61242	NR_106921	1.02E+08		NR_106921	ENSG0000	MIR6861	hsa-mir-	microRNA	ncRNA
chr19-564	6.16944	0.612312	0.954846	0.641268	0.521349	0.981636	chr19	56471377	56471695	+	0	NA	intron (	intron (	5809	NM_001321	63934	Hs.67660	NM_02210	ENSG0000	ZNF667	MIPU1	zinc fin	protein-coding
chr5-154	6.16944	0.612312	0.954846	0.641268	0.521349	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (	intron (	39119	NR_03162	1E+08		NR_03162	ENSG0000	MIR1294	MIRN1294|	microRNA	ncRNA
chr15-40	7.254603	0.557623	0.870099	0.640873	0.521605	0.981636	chr15	40810374	40811050	+	0	NA	exon (NM_	exon (NM_	-3239	NM_01816	55192	Hs.51106	NM_01816	ENSG0000	DNAJC17	-	DnaJ heat	protein-coding
chr4-7677	6.445101	-0.60679	0.946967	-0.64078	0.521668	0.981636	chr4	76779639	76779894	+	0	NA	3’ UTR (	3’ UTR (	118378	NM_00102	345079	Hs.25729	NM_00102	ENSG0000	SOWAHB	ANKRD56	sosondow	protein-coding
chr11-30	6.650313	0.581148	0.906958	0.640766	0.521675	0.981636	chr11	30334470	30334837	+	0	NA	intron (	Tigger1|	11549	NM_15231	120534	Hs.50220	NM_15231	ENSG0000	ARL14EP	ARF7EP|C1	ADP ribo	protein-coding
chr15-494	6.650313	0.581148	0.906958	0.640766	0.521675	0.981636	chr15	49441212	49441638	+	0	NA	intron (	A-rich|L	18183	NM_00200	2252	Hs.56726	NM_00200	ENSG0000	FGF7	HBGF-7|K	fibrobla	protein-coding
chr8-131	6.650313	0.581148	0.906958	0.640766	0.521675	0.981636	chr8	13127183	13127885	+	0	NA	intron (	intron (	5755	NM_006094	10395	Hs.13429	NM_006094	ENSG0000	DLC1	ARHGAP7|	DLC1 Rho	protein-coding
chr8-5267	6.650313	0.581148	0.906958	0.640766	0.521675	0.981636	chr8	52679751	52679950	+	0	NA	intron (	intron (	34585	NM_014781	9821	Hs.19610	NM_014781	ENSG0000	RB1CC1	ATG17|CC1	RB1 indu	protein-coding
chr22-497	9.441543	0.498807	0.778462	0.64076	0.521679	0.981636	chr22	49773669	49775392	+	0	NA	intron (	intron (	49801	NR_146334	23774	Hs.12795	NM_014577	ENSG0000	BRD1	BRL|BRPF1	bromodom	protein-coding
chr16-80	9.136671	-0.49834	0.77802	-0.64052	0.521833	0.981636	chr16	80979888	80980087	+	0	NA	intron (	AluJr|SI	17689	NM_001351	56942	Hs.55028	NM_02018	ENSG0000	CMC2	2310061C1	C-X9-C m	protein-coding
chr18-45	9.136671	-0.49834	0.77802	-0.64052	0.521833	0.981636	chr18	45964602	45965461	+	0	NA	intron (	intron (	2298	NM_020964	57724	Hs.51484	NM_020964	ENSG0000	EPG5	HEEW1|KI	ectopic	protein-coding
chr2-289	9.136671	-0.49834	0.77802	-0.64052	0.521833	0.981636	chr2	28937828	28938352	+	0	NA	intron (	intron (	10107	NR_14575	1.1E+08		NR_14575	ENSG0000	SNORD53B	-	small nuc	snoRNA
chr4-488	9.136671	-0.49834	0.77802	-0.64052	0.521833	0.981636	chr4	48838101	48838512	+	0	NA	intron (	AluSx1|SI	7000	NM_00116	54940	Hs.51875	NM_01783	ENSG0000	OCIAD1	ASRIJ|OCI	OCIA dom	protein-coding
chr17-45	6.955555	-0.56926	0.889315	-0.64011	0.522098	0.981636	chr17	45074408	45075530	+	0	NA	intron (	AluJo|SI	13652	NM_02107	4836	Hs.53279	NM_02107	ENSG0000	NMT1	NMT	N-myrist	protein-coding
chr2-2357	6.955555	-0.56926	0.889315	-0.64011	0.522098	0.981636	chr2	2.36E+08	2.36E+08	+	0	NA	intron (	AluJo|SI	-282389	NR_14658	27321		NR_146582		TNRC17	CAGL234	trinucle	ncRNA
chr7-139	6.955555	-0.56926	0.889315	-0.64011	0.522098	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (	AluSx1|SI	23946	NM_01601	51631	Hs.73148	NM_01601	ENSG0000	LUC7L2	CGI-59|C	LUC7 lik	protein-coding
chr9-1347	6.955555	-0.56926	0.889315	-0.64011	0.522098	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	53271	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr1-179	10.42686	0.46549	0.727316	0.640011	0.522165	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	MER5A|DN	3625	NM_145034	163590	Hs.571797	NM_022347	ENSG0000	TOR1AIP2	IFRG15|L	torsin 1	protein-coding
chr15-44	6.378537	-0.61926	0.967683	-0.63994	0.522211	0.981636	chr15	44609260	44609594	+	0	NA	intron (	AluY|SIN	54235	NM_00116	80208	Hs.656271	NM_025137	ENSG0000	SPG11	ALS5|CMT	SPG11 ve	protein-coding
chr1-665	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr1	66561180	66561721	+	0	NA	intron (	intron (	27297	NM_032291	84251	Hs.132121	NM_032291	ENSG0000	SGIP1	-	SH3 domai	protein-coding
chr1-108	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	AluY|SIN	-14839	NM_015127	23155	Hs.65848	NM_015127	ENSG0000	CLCC1	MCLC	chloride	protein-coding
chr12-487	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr12	48782098	48783397	+	0	NA	exon (NM_	exon (NM_	6342	NM_01527	112	Hs.525401	NM_01527	ENSG0000	ADCY6	AC6|LCCS	adenylat	protein-coding
chr16-571	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr16	57153829	57154750	+	0	NA	3’ UTR (	3’ UTR (	28261	NM_001354	80011	Hs.39674	NM_02494	ENSG0000	FAM192A	C16orf94|	family wi	protein-coding
chr17-75	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr17	75818257	75819345	+	0	NA	exon (NM_	exon (NM_	25916	NM_19924	201294	Hs.41045	NM_19924	ENSG0000	UNC13D	FHL3|HLH	unc-13 h	protein-coding
chr19-181	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr19	18196271	18197252	+	0	NA	TTS (NM_	TTS (NM_	3543	NM_03268	84769	Hs.515254	NM_03268	ENSG0000	MPV17L2	FKSG24	MPV17 mit	protein-coding
chr2-536	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr2	53699146	53700145	+	0	NA	intron (	intron (	-68138	NM_00134	494143	Hs.585944	NM_00100	ENSG0000	CHAC2	GCG1	ChaC cati	protein-coding
chr2-713	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr2	71395602	71396427	+	0	NA	intron (	L1MC5a|LI	-57547	NM_00113	8291	Hs.25218	NM_003494	ENSG0000	DYSF	FER1L1|L	dysferli	protein-coding
chr20-184	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr20	18489218	18489501	+	0	NA	3’ UTR (	3’ UTR (	7866	NM_00660	10741	Hs.69330	NM_00660	ENSG0000	RBBP9	BOG|RBBP1	RB bindi	protein-coding
chr21-464	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr21	46498930	46500075	+	0	NA	intron (	intron (	37031	NR_04640	1.01E+08	Hs.73716	NR_04640	ENSG0000	DIP2A-IT1	-	DIP2A int	ncRNA
chr4-5804	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr4	5804422	5805244	+	0	NA	exon (NM_	exon (NM_	82980	NM_00128	1400	Hs.13527	NM_00131	ENSG0000	CRMP1	CRMP-1|D	collapsi	protein-coding
chr7-741	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr7	74184657	74185202	+	0	NA	intron (	AluSz|SI	-6269	NR_030321	693175		NR_030321	ENSG0000	MIR590	MIRN590|	microRNA	ncRNA
chr7-1494	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	5812	NM_015694	27153	Hs.38512	NM_015694	ENSG0000	ZNF777	-	zinc fin	protein-coding
chr8-474	6.666029	0.576405	0.900769	0.639903	0.522236	0.981636	chr8	47462173	47463082	+	0	NA	intron (	L1MB4|LI	-191461	NM_00135	23514	Hs.38105	NM_00108	ENSG0000	SPIDR	KIAA0146	scaffold	protein-coding
chr1-1444	10.468	0.466439	0.729392	0.639491	0.522504	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	8939	NM_17363	284565	Hs.52357	NM_17363	ENSG0000	NBPF15	AB14|AG3|	NBPF mem	protein-coding
chr1-231	9.37498	0.49353	0.771782	0.639468	0.522518	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (	intron (	34473	NM_00599	7257	Hs.13318	NM_00599	ENSG0000	TSNAX	C3PO|TRA	translin	protein-coding
chr1-524	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr1	52433801	52434586	+	0	NA	intron (	intron (	29591	NM_032864	84950	Hs.5301	NM_032284	ENSG0000	PRPF38A	PRP38A|P	pre-mRNA	protein-coding
chr16-84	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr16	84050748	84052242	+	0	NA	Intergeni	Intergeni	-9338	NM_00108	146167		NM_00108	ENSG0000	SLC38A8	FVH2	solute c	protein-coding
chr19-29	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr19	2929643	2931907	+	0	NA	Intergeni	Intergeni	14196	NM_021217	58492	Hs.38004	NM_021217	ENSG0000	ZNF77	pT1	zinc fin	protein-coding
chr19-251	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr19	25159900	25160708	+	0	NA	Intergeni	ALR/Alph	-996857	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr5-312	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr5	31260023	31261449	+	0	NA	intron (	intron (	67050	NM_00493	1004	Hs.12477	NM_00493	ENSG0000	CDH6	CAD6|KCA	cadherin	protein-coding
chr7-139	4.469381	0.694932	1.086814	0.639422	0.522549	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (	Charlie24	37771	NM_00136	6916	Hs.520757	NM_001061	ENSG0000	TBXAS1	BDPLT14|	thrombox	protein-coding
chr1-109	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	non-codi	non-codi	2434	NM_00651	6301	Hs.53117	NM_00651	ENSG0000	SARS	NEDMAS|S	seryl-tR	protein-coding
chr10-77	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr10	7784276	7784521	+	0	NA	intron (	AluJr|SI	3595	NM_012311	22944	Hs.39791	NM_012311	ENSG0000	KIN	BTCD|KIN1	Kin17 DN	protein-coding
chr11-93	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr11	93803513	93804528	+	0	NA	intron (	(TA)n|Sim	19738	NM_00426	9440	Hs.444931	NM_00426	ENSG0000	MED17	CRSP6|CR	mediator	protein-coding
chr12-101	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	49444	NM_01450	27340	Hs.29573	NM_01450	ENSG0000	UTP20	1A6/DRIM|	UTP20 sm	protein-coding
chr16-74	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr16	74690262	74690982	+	0	NA	intron (	AluJr|SI	10240	NM_00114	197259	Hs.11987	NM_15264	ENSG0000	MLKL	hMLKL	mixed li	protein-coding
chr6-5251	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr6	52513079	52515276	+	0	NA	intron (	L2c|LINE|	62883	NM_01228	9697	Hs.52018	NM_01228	ENSG0000	TRAM2	-	transloc	protein-coding
chr7-1077	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (	MIR3|SIN	-8650	NR_144537	1.02E+08	Hs.43279	NR_14453	ENSG0000	LOC101927	-	uncharact	ncRNA

chr8-5580	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr8	55802523	55802836	+	0	NA	intron (N	L1MC4|LIN	29233	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr9-9809	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chr9	98098556	98099317	+	0	NA	intron (N	AluSz6|SI	20286	NM_014788	9830	Hs.575631	NM_014788	ENSG00000	TRIM14	-	tripartit	protein-coding
chrX-5361	6.906557	-0.57118	0.893277	-0.63942	0.522552	0.981636	chrX	53613511	53613982	+	0	NA	intron (N	(AAC)n|Si	-56472	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr1-2244	14.16042	0.404539	0.632838	0.639247	0.522663	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	14016	NM_025160	80232	Hs.497873	NM_025160	ENSG00000	WDR26	CDW2|GID7	WD repeat	protein-coding
chr19-584	14.16042	0.404539	0.632838	0.639247	0.522663	0.981636	chr19	58431034	58438871	+	0	NA	exon (NM_	exon (NM_	5201	NM_003433	7691	Hs.156169	NM_003433	ENSG00000	ZNF132	pHZ-12	zinc fing	protein-coding
chr1-1503	10.43472	0.463972	0.726012	0.639069	0.522778	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-10046	NM_001297	23248	Hs.213666	NM_015203	ENSG00000	RPRD2	HSPC099|K	regulatio	protein-coding
chr1-1553	10.43472	0.463972	0.726012	0.639069	0.522778	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	MIRb|SINE	3713	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr22-418	6.732592	0.583452	0.913347	0.638806	0.522949	0.981636	chr22	41870973	41872397	+	0	NA	intron (N	AluSx|SIN	-29259	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr3-4829	6.732592	0.583452	0.913347	0.638806	0.522949	0.981636	chr3	48297105	48298446	+	0	NA	intron (N	MLT1E2|LT	3636	NM_001308	10201	Hs.465558	NM_005793	ENSG00000	NME6	IPIA-ALPH	NME/NM23	protein-coding
chr7-1301	8.57537	-0.53404	0.83602	-0.63879	0.522957	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJo|SIN	-24072	NR_149033	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr2-1662	3.461229	-0.79038	1.237482	-0.6387	0.523018	0.981636	chr2	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	99253	NM_001365	6335	Hs.439145	NM_002977	ENSG00000	SCN9A	ETHA|FEB3	sodium vo	protein-coding
chr5-1404	3.461229	-0.79038	1.237482	-0.6387	0.523018	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	64013	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr11-105	6.947697	-0.56745	0.889191	-0.63817	0.523364	0.981636	chr11	10578173	10578741	+	0	NA	intron (N	intron (N	-9792	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|H	lymphatic	protein-coding
chr11-626	6.947697	-0.56745	0.889191	-0.63817	0.523364	0.981636	chr11	62649631	62649830	+	0	NA	exon (NM_	exon (NM_	-3004	NM_001278	23193	Hs.595071	NM_014610	ENSG00000	GANAB	G2AN|GIIA	glucosida	protein-coding
chr5-1325	6.947697	-0.56745	0.889191	-0.63817	0.523364	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1E2|LT	15982	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr16-139	5.698276	0.66109	1.035988	0.638126	0.523392	0.981636	chr16	1399227	1399717	+	0	NA	exon (NM_	exon (NM_	15232	NM_001193	64718	Hs.643536	NM_001037	ENSG00000	UNKL	C16orf28|	unk like	protein-coding
chr13-500	9.044684	-0.51254	0.803228	-0.6381	0.523407	0.981636	chr13	50047686	50047885	+	0	NA	intron (N	AluSq2|SI	1276	NR_029486	406950		NR_029486	ENSG00000	MIR16-1	MIRN16-1|	microRNA	ncRNA
chr1-2435	11.86938	-0.43787	0.686397	-0.63793	0.523521	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	L1MB7|LIN	216152	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr1-7781	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr1	77811306	77811789	+	0	NA	intron (N	intron (N	31742	NM_001363	374986	Hs.437755	NM_198549	ENSG00000	MIGA1	FAM73A	mitoguard	protein-coding
chr16-695	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr16	69569063	69570768	+	0	NA	intron (N	intron (N	3949	NM_138713	10725	Hs.371987	NM_006599	ENSG00000	NFAT5	NF-AT5|NF	nuclear f	protein-coding
chr2-1875	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr2	1.88E+08	1.88E+08	+	0	NA	intron (N	MLT1B|LTR	25083	NM_001329	7035	Hs.516578	NM_006287	ENSG00000	TFPI	EPI|LACI|	tissue fa	protein-coding
chr21-334	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr21	33430044	33430471	+	0	NA	intron (N	intron (N	27361	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interfero	protein-coding
chr8-4246	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr8	42464275	42464588	+	0	NA	intron (N	intron (N	36800	NM_001257	6575	Hs.653173	NM_006749	ENSG00000	SLC20A2	GLVR-2|GL	solute ca	protein-coding
chr9-2811	6.873276	-0.57675	0.904237	-0.63783	0.523584	0.981636	chr9	2811554	2812327	+	0	NA	intron (N	intron (N	32155	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio R	protein-coding
chr7-1432	9.555138	-0.49025	0.768815	-0.63767	0.523686	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	5286	NM_001224	835	Hs.368982	NM_001224	ENSG00000	CASP2	CASP-2|IC	caspase 2	protein-coding
chr3-4856	7.358306	-0.55013	0.862764	-0.63764	0.523707	0.981636	chr3	48564830	48565228	+	0	NA	intron (N	intron (N	-1248	NM_033199	90226	Hs.631914	NM_033199	ENSG00000	UCN2	SRP|UCN-I	urocortin	protein-coding
chr5-3483	7.358306	-0.55013	0.862764	-0.63764	0.523707	0.981636	chr5	34833194	34834024	+	0	NA	TTS (NM_0	TTS (NM_0	-5555	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr11-127	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr11	1276155	1277245	+	0	NA	3’ UTR (N	3’ UTR (N	20095	NR_106802	1.02E+08		NR_106802	ENSG00000	MIR6744	hsa-mir-6	microRNA	ncRNA
chr11-585	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr11	58531851	58533039	+	0	NA	intron (N	LTR12C|LT	-24340	NM_001005	219968	Hs.553647	NM_001005	ENSG00000	OR5B21	-	olfactory	protein-coding
chr13-368	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr13	36852989	36854138	+	0	NA	exon (NM_	exon (NM_	34361	NM_000538	5994	Hs.24422	NM_000538	ENSG00000	RFXAP	-	regulator	protein-coding
chr19-206	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr19	20659239	20659856	+	0	NA	intron (N	MER92B|LT	2024	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr19-452	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr19	45287482	45293711	+	0	NA	intron (N	intron (N	32279	NM_001824	1158	Hs.334347	NM_001824	ENSG00000	CKM	CKMM|CPK-	creatine	protein-coding
chr20-485	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr20	485559	486057	+	0	NA	intron (N	intron (N	-23275	NM_144628	128637	Hs.590876	NM_144628	ENSG00000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr5-1361	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14007	NM_001350	389332	Hs.127680	NM_001350	ENSG00000	SMIM32	-	small int	protein-coding
chr6-3528	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr6	35283470	35286685	+	0	NA	intron (N	intron (N	-12741	NM_022047	50619	Hs.15476	NM_022047	ENSG00000	DEF6	IBP|SLAT|	DEF6 guan	protein-coding
chr7-7823	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chr7	782334	783242	+	0	NA	intron (N	CpG	-32769	NM_001171	23353	Hs.438072	NM_025154	ENSG00000	SUN1	UNC84A	Sad1 and	protein-coding
chrX-4118	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chrX	41184487	41185477	+	0	NA	intron (N	intron (N	-90757	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chrX-7140	7.22918	0.552017	0.866156	0.637319	0.523917	0.981636	chrX	71407888	71408269	+	0	NA	exon (NM_	exon (NM_	41721	NR_104387	6872	Hs.158560	NM_004606	ENSG00000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr7-7475	11.86152	-0.43677	0.68535	-0.6373	0.52393	0.981636	chr7	74751680	74756242	+	0	NA	exon (NM_	exon (NM_	-20001	NM_000265	653361	Hs.647047	NM_000265	ENSG00000	NCF1	NCF1A|NOX	neutrophi	protein-coding
chr1-3312	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr1	33125156	33125955	+	0	NA	Intergeni	L2a|LINE|	43377	NM_001301	113451	Hs.101807	NM_052998	ENSG00000	AZIN2	ADC|AZI2|	antizyme	protein-coding
chr12-453	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr12	45392214	45393217	+	0	NA	intron (N	L1PA6|LIN	100025	NM_001142	196527	Hs.505339	NM_001025	ENSG00000	ANO6	BDPLT7|SC	anoctamin	protein-coding
chr12-131	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluY|SINE	28615	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr13-495	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr13	49532104	49534223	+	0	NA	non-codin	non-codin	36107	NM_001040	51131	Hs.369039	NM_001040	ENSG00000	PHF11	APY|BCAP|	PHD finge	protein-coding
chr17-460	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr17	46041419	46042284	+	0	NA	intron (N	intron (N	42601	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr18-269	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr18	2692229	2693530	+	0	NA	intron (N	L2c|LINE|	36992	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr2-2609	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr2	26099881	26100771	+	0	NA	intron (N	intron (N	66242	NM_016131	10890	Hs.467960	NM_016131	ENSG00000	RAB10	-	RAB10, me	protein-coding
chr2-7570	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr2	75700783	75702635	+	0	NA	TTS (NM_0	TTS (NM_0	9206	NM_003203	6936	Hs.303808	NM_003203	ENSG00000	GCFC2	C2orf3|DN	GC-rich s	protein-coding
chr2-1113	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	10132	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr4-2486	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr4	24862659	24863824	+	0	NA	intron (N	AluSx|SIN	49737	NM_001130	91050	Hs.106432	NM_173463	ENSG00000	CCDC149	-	coiled-co	protein-coding
chr4-1095	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	17694	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr4-1451	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	22929	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding
chr5-3152	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr5	31520580	31523315	+	0	NA	intron (N	intron (N	10146	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr6-1760	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr6	17603120	17603528	+	0	NA	intron (N	MIRb|SINE	3022	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr6-1508	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	32381	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-5512	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr7	55122343	55122737	+	0	NA	intron (N	intron (N	12701	NM_001346	1956	Hs.488293	NM_005228	ENSG00000	EGFR	ERBB|ERBB	epidermal	protein-coding
chr7-7353	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr7	73535885	73536365	+	0	NA	TTS (NM_0	TTS (NM_0	-13832	NM_001370	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-7947	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr7	79471046	79471867	+	0	NA	TTS (NR_0	TTS (NR_0	17496	NR_038343	1.01E+08	Hs.31474	NR_038343	ENSG00000	MAGI2-AS3	-	MAGI2 ant	ncRNA
chr7-8738	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr7	87387389	87387774	+	0	NA	intron (N	Tigger2b_	41917	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr7-1275	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4965	NM_024523	79571	Hs.521168	NM_024523	ENSG00000	GCC1	GCC1P|GCC	GRIP and	protein-coding
chr9-7035	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr9	70350984	70353058	+	0	NA	intron (N	AluSx|SIN	62636	NM_001206	687	Hs.150557	NM_001206	ENSG00000	KLF9	BTEB|BTEB	Kruppel l	protein-coding
chr9-1323	5.171181	-0.6484	1.017602	-0.63719	0.524003	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MEh|LIN	36669	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr15-494	11.82038	-0.43882	0.688888	-0.637	0.524123	0.981636	chr15	49483126	49484624	+	0	NA	intron (N	intron (N	60633	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr10-124	9.177811	-0.49558	0.778041	-0.63696	0.524153	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	Intergeni	THE1D|LTR	-19124	NM_017580	54764	Hs.595158	NM_017580	ENSG00000	ZRANB1	TRABID	zinc fing	protein-coding
chr12-530	9.177811	-0.49558	0.778041	-0.63696	0.524153	0.981636	chr12	53010413	53010784	+	0	NA	intron (N	intron (N	4142	NM_001330	1975	Hs.648394	NM_001417	ENSG00000	EIF4B	EIF-4B|PR	eukaryoti	protein-coding
chr19-745	9.177811	-0.49558	0.778041	-0.63696	0.524153	0.981636	chr19	7456722	7456944	+	0	NA	intron (N	intron (N	17145	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr2-1974	9.177811	-0.49558	0.778041	-0.63696	0.524153	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJr|SIN	-2757	NR_132787	1.07E+08		NR_132787		SNORA105A	-	small nuc	snoRNA
chr6-1705	9.177811	-0.49558	0.778041	-0.63696	0.524153	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2263	NM_001199	5134	Hs.367900	NM_002598	ENSG00000	PDCD2	RP8|ZMYND	programme	protein-coding
chr5-7007	9.070108	-0.50672	0.795536	-0.63695	0.524157	0.981636	chr5	70070932	70071159	+	0	NA	intron (N	intron (N	21522	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr17-394	9.912708	0.476399	0.748234	0.636698	0.524322	0.981636	chr17	39418819	39420008	+	0	NA	intron (N	AluSx3|SI	-16857	NM_001370	84961	Hs.462946	NM_032875	ENSG00000	FBXL20	Fbl2|Fbl2	F-box and	protein-coding
chr18-881	9.613844	-0.48083	0.755375	-0.63655	0.52442	0.981636	chr18	8814193	8816503	+	0	NA	intron (N	L1PA3|LIN	97967	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr7-1343	9.613844	-0.48083	0.755375	-0.63655	0.52442	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	intron (N	MamRTE1|L	12296	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr1-1234	13.10068	0.420761	0.661017	0.636536	0.524427	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1916830	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1114	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	4669	NM_001688	515	Hs.514870	NM_001688	ENSG00000	ATP5PB	ATP5F1|PI	ATP synth	protein-coding
chr1-2202	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-7074	NR_002994	677818	Hs.730572	NR_002994	ENSG00000	SNORA36B	ACA36b	small nuc	snoRNA
chr1-2354	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	MIR|SINE|	17032	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr11-664	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr11	66495844	66496214	+	0	NA	intron (N	MIR|SINE|	-14606	NM_024649	582	Hs.502915	NM_024649	ENSG00000	BBS1	BBS2L2	Bardet-Bi	protein-coding
chr11-727	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr11	72700695	72701761	+	0	NA	intron (N	L2a|LINE|	754	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG00000	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr17-786	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr17	78679319	78680078	+	0	NA	intron (N	MIR3|SINE	37334	NM_001292	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr18-953	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr18	9533642	9534743	+	0	NA	intron (N	intron (N	58679	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIP	ralA bind	protein-coding
chr2-9595	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr2	95958691	95959012	+	0	NA	intron (N	intron (N	32973	NM_001310	400986	Hs.646318	NM_001010	ENSG00000	ANKRD36C	-	ankyrin r	protein-coding
chr3-3172	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr3	3172497	3174717	+	0	NA	intron (N	intron (N	6110	NM_016302	51185	Hs.18925	NM_016302	ENSG00000	CRBN	MRT2|MRT2	cereblon	protein-coding
chr3-1236	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-18373	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr4-1823	7.18804	0.550847	0.865534	0.636424	0.5245	0.981636	chr4	1823988	1825643	+	0	NA	intron (N	intron (N	31341	NM_012318	3954	Hs.120165	NM_012318	ENSG00000	LETM1	SLC55A1	leucine z	protein-coding
chr2-1278	9.621702	-0.48219	0.75781	-0.63629	0.524587	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRc|SINE	1298	NM_031445	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr4-7767	9.621702	-0.48219	0.75781	-0.63629	0.524587	0.981636	chr4	7767940	7768139	+	0	NA	intron (N	AluJb|SIN	13949	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr5-1322	9.621702	-0.48219	0.75781	-0.63629	0.524587	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	9615	NM_003687	8572	Hs.424312	NM_003687	ENSG00000	PDLIM4	RIL	PDZ and L	protein-coding
chr5-1340	9.193527	-0.49831	0.78324	-0.63622	0.524636	0.981636	chr5	1340940	1341513	+	0	NA	intron (N	intron (N	3873	NM_030782	81037	Hs.444673	NM_030782	ENSG00000	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr1-4293	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr1	42933548	42935696	+	0	NA	intron (N	intron (N	24246	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr1-2255	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-101114	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr11-105	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr11	10574002	10577125	+	0	NA	3’ UTR (N	3’ UTR (N	-6898	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|H	lymphatic	protein-coding
chr19-482	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr19	4825811	4826010	+	0	NA	intron (N	AluSq2|SI	5832	NM_182919	148022	Hs.29344	NM_014261	ENSG00000	TICAM1	IIAE6|MyD	toll like	protein-coding
chr3-1016	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-5273	NR_024407	1E+08	Hs.743292	NR_024407	ENSG00000	ZBTB11-AS	-	ZBTB11 an	ncRNA
chr3-1259	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	Intergeni	LTR12C|LT	-11863	NR_024251	1E+08	Hs.553949	NR_024250	ENSG00000	FAM86JP	-	family wi	pseudo
chr4-9907	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr4	99078223	99078785	+	0	NA	intron (N	AluJb|SIN	10284	NM_000671	128	Hs.78989	NM_000671	ENSG00000	ADH5	ADH-3|ADH	alcohol d	protein-coding
chr7-6539	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr7	65397240	65399856	+	0	NA	exon (NM_	exon (NM_	24693	NM_001287	168374	Hs.9521	NM_007139	ENSG00000	ZNF92	HEL-203|H	zinc fing	protein-coding
chr7-1572	7.391588	-0.5449	0.856495	-0.6362	0.524645	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	MLT1C|LTR	93283	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr12-113	7.34074	-0.55925	0.879105	-0.63616	0.52467	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-9427	NR_106956	1.02E+08		NR_106956	ENSG00000	MIR7106	hsa-mir-7	microRNA	ncRNA
chr9-1090	7.34074	-0.55925	0.879105	-0.63616	0.52467	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSz6|SI	-7125	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr1-4048	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr1	40481947	40483525	+	0	NA	intron (N	L1M5|LINE	5446	NM_001320	339559	Hs.434385	NM_198494	ENSG00000	ZFP69	ZFP69A|ZK	ZFP69 zin	protein-coding
chr1-5140	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr1	51407235	51409103	+	0	NA	exon (NM_	exon (NM_	13926	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr1-1603	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSz|SIN	4498	NM_015331	23385	Hs.517249	NM_015331	ENSG00000	NCSTN	ATAG1874	nicastrin	protein-coding
chr1-1789	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-31261	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr12-480	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr12	48083101	48083598	+	0	NA	intron (N	intron (N	-21904	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|(	phosphofr	protein-coding
chr14-100	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr14	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	24502	NM_001350	283600	Hs.108268	NM_207117	ENSG00000	SLC25A47	C14orf68|	solute ca	protein-coding
chr14-103	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12284	NM_001302	84334	Hs.598441	NM_001302	ENSG00000	COA8	APOP|APOP	cytochrom	protein-coding
chr15-636	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr15	63655072	63657519	+	0	NA	exon (NM_	exon (NM_	-55468	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-671	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr16	67140514	67145801	+	0	NA	intron (N	intron (N	7841	NM_033309	84752	Hs.744158	NM_033309	ENSG00000	B3GNT9	-	UDP-GlcNA	protein-coding
chr16-703	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr16	70386169	70387997	+	0	NA	intron (N	AluSx|SIN	40180	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr17-750	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr17	75049467	75050475	+	0	NA	intron (N	intron (N	2746	NM_015353	23510	Hs.514468	NM_015353	ENSG00000	KCTD2	-	potassium	protein-coding
chr18-367	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr18	36796537	36799206	+	0	NA	TTS (NM_0	TTS (NM_0	31131	NM_001330	25941	Hs.436636	NM_015476	ENSG00000	TPGS2	C18orf10|	tubulin p	protein-coding
chr19-314	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr19	314983	318197	+	0	NA	intron (N	L1MEg|LIN	-25187	NM_003712	8612	Hs.465506	NM_003712	ENSG00000	PLPP2	LPP2|PAP-	phosphol	protein-coding
chr19-326	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr19	32627824	32629453	+	0	NA	intron (N	MIRc|SINE	-20169	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr19-422	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr19	42205260	42205729	+	0	NA	intron (N	AluSp|SIN	12183	NR_073051	162989	Hs.515432	NM_133328	ENSG00000	DEDD2	FLAME-3|F	death eff	protein-coding
chr2-1098	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	AluY|SINE	21644	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr2-1214	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx|SIN	-109597	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr2-1273	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	L2|LINE|L	-20048	NM_000122	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr20-326	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr20	3269468	3270746	+	0	NA	intron (N	FLAM_C|SI	-30917	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-137	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr20	13789167	13792016	+	0	NA	intron (N	L2a|LINE|	5563	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubiq	protein-coding
chr22-193	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr22	19372748	19378067	+	0	NA	intron (N	intron (N	56326	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr22-408	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr22	40869888	40872378	+	0	NA	intron (N	AluJr|SIN	-9020	NM_145174	150353	Hs.585042	NM_145174	ENSG00000	DNAJB7	DJ5|HSC3	DnaJ heat	protein-coding
chr3-1418	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr3	14184192	14185234	+	0	NA	intron (N	AluYa5|SI	5896	NM_014463	27258	Hs.111632	NM_014463	ENSG00000	LSM3	SMX4|USS2	LSM3 homo	protein-coding
chr3-1216	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MD2|LIN	-20017	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr4-1382	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	MIRb|SINE	4085	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding

chr4-1523	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr4	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-14499	NR_104273	1.02E+08	Hs.712524	NR_104273	ENSG00000	FBXW7-AS1	DEAR|DEsp	FBXW7 ant	ncRNA
chr5-1809	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr5	1809209	1809937	+	0	NA	intron (N	intron (N	8166	NM_004553	4726	Hs.408257	NM_004553	ENSG00000	NDUFS6	CI-13kA|C	NADH:ubiq	protein-coding
chr5-7809	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr5	78097728	78098045	+	0	NA	intron (N	SVA_D|Ret	139639	NR_105013	1.02E+08	Hs.252895	NR_105012		LOC101929	-	uncharact	ncRNA
chr5-1684	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr5	1.68E+08	1.69E+08	+	0	NA	intron (N	intron (N	13886	NM_002887	5917	Hs.654907	NM_002887	ENSG00000	RARS	ArgRS|DAL	arginyl-t	protein-coding
chr6-4190	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr6	41907890	41909572	+	0	NA	intron (N	intron (N	12212	NM_001305	9477	Hs.278434	NM_004275	ENSG00000	MED20	PRO0213|S	mediator	protein-coding
chr6-5712	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr6	57121863	57123181	+	0	NA	intron (N	L1PA17|LI	32334	NM_001031	26036	Hs.485628	NM_015555	ENSG00000	ZNF451	COASTER|c	zinc fing	protein-coding
chr6-1113	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	95401	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-6498	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr7	64983604	64988919	+	0	NA	intron (N	PRIMA4_LT	4775	NM_015852	51351	Hs.250693	NM_015852	ENSG00000	ZNF117	H-plk|HPF	zinc fing	protein-coding
chr7-1300	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L1M4|LINE	19514	NM_001363	51530	Hs.194157	NM_016478	ENSG00000	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr8-3057	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr8	30577374	30578993	+	0	NA	TTS (NM_0	TTS (NM_0	-60397	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-6720	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr8	67208242	67212471	+	0	NA	intron (N	AluJb|SIN	126508	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr9-9364	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr9	93649530	93651811	+	0	NA	intron (N	intron (N	55829	NR_049853	1.01E+08		NR_049853	ENSG00000	MIR548AU	-	microRNA	ncRNA
chr9-9719	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr9	97196733	97198974	+	0	NA	intron (N	intron (N	-40573	NR_036526	1E+08	Hs.435629	NR_036526	ENSG00000	SUGT1P4-S	-	SUGT1P4-S	pseudo
chr9-1370	7.195898	0.548652	0.862911	0.635815	0.524897	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	3926	NR_045720	11253	Hs.279881	NM_016219	ENSG00000	MAN1B1	ERMAN1|EF	mannosida	protein-coding
chr6-3196	8.301375	0.54436	0.856435	0.635611	0.52503	0.981636	chr6	31966869	31967523	+	0	NA	intron (N	intron (N	-3979	NR_026717	8859	Hs.654371	NM_004197	ENSG00000	STK19	D6S60|D6S	serine/th	protein-coding
chr1-1492	6.136159	0.608401	0.957267	0.635561	0.525063	0.981636	chr1	1492423	1492622	+	0	NA	intron (N	AluSx1|SI	14673	NM_001317	83858	Hs.729021	NM_031921	ENSG00000	ATAD3B	AAA-TOB3|	ATPase fa	protein-coding
chr15-596	4.668585	-0.71232	1.120815	-0.63554	0.525079	0.981636	chr15	59654859	59655058	+	0	NA	intron (N	Tigger4a|	2347	NM_001320	2958	Hs.512934	NM_004492	ENSG00000	GTF2A2	HsT18745|	general t	protein-coding
chr14-673	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr14	67374536	67375263	+	0	NA	intron (N	FLAM_C|SI	14571	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr16-717	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr16	71761149	71761957	+	0	NA	exon (NM_	exon (NM_	-3066	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr16-846	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr16	84609627	84610962	+	0	NA	intron (N	MLT1K|LTR	7784	NM_021149	23406	Hs.289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr19-534	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr19	53433928	53436861	+	0	NA	intron (N	AluSp|SIN	3410	NM_001008	388561	Hs.433293	NM_001008	ENSG00000	ZNF761	ZNF468	zinc fing	protein-coding
chr2-2029	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr2	20293838	20294532	+	0	NA	intron (N	intron (N	33201	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio F	protein-coding
chr3-1542	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	41855	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr6-3747	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr6	37472233	37472884	+	0	NA	intron (N	intron (N	27335	NM_138493	154467	Hs.284207	NM_138493	ENSG00000	CCDC167	C6orf129|	coiled-cc	protein-coding
chr9-1150	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	MIRb|SINE	77917	NM_002160	3371	Hs.143250	NM_002160	ENSG00000	TNC	150-225|I	tenascin	protein-coding
chr9-1347	7.38373	-0.54319	0.854732	-0.63551	0.525098	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-78843	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 ar	ncRNA
chr1-2227	10.44258	0.462462	0.727722	0.635493	0.525107	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	-11913	NM_207468	400823	Hs.697608	NM_207468	ENSG00000	FAM177B	-	family wi	protein-coding
chr1-2280	10.44258	0.462462	0.727722	0.635493	0.525107	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	TTS (NR_0	TTS (NR_0	1068	NR_037415	1.01E+08		NR_037415	ENSG00000	MIR3620	mir-3620	microRNA	ncRNA
chr16-669	10.44258	0.462462	0.727722	0.635493	0.525107	0.981636	chr16	66940469	66942489	+	0	NA	intron (N	intron (N	5963	NM_001365	8824	Hs.282975	NM_003869	ENSG00000	CES2	CE-2|CES2	carboxyle	protein-coding
chr19-127	11.85367	-0.43567	0.68597	-0.63511	0.525354	0.981636	chr19	1271063	1275255	+	0	NA	TTS (NM_0	TTS (NM_0	-2371	NM_017914	55009	Hs.591383	NM_017914	ENSG00000	C19orf24	-	chromosom	protein-coding
chr4-1194	11.85367	-0.43567	0.68597	-0.63511	0.525354	0.981636	chr4	1.19E+08	1.2E+08	+	0	NA	intron (N	intron (N	51890	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr6-3183	11.85367	-0.43567	0.68597	-0.63511	0.525354	0.981636	chr6	31836360	31841148	+	0	NA	intron (N	AluSx1|SI	1678	NR_002742	26797		NR_002742	ENSG00000	SNORD52	RNU52|U52	small nuc	snoRNA
chr1-1113	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr1	11132765	11133308	+	0	NA	intron (N	intron (N	-10862	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr10-133	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MA4|LIN	13094	NM_001012	503542	Hs.64968	NM_001012	ENSG00000	SPRN	SHADOO|SH	shadow of	protein-coding
chr13-113	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	(ACC)n|Si	22382	NM_001008	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr17-292	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr17	29266064	29267596	+	0	NA	intron (N	intron (N	19973	NM_005208	1411	Hs.46275	NM_005208	ENSG00000	CRYBA1	CRYB1|CTR	crystalli	protein-coding
chr4-2668	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr4	26689519	26692235	+	0	NA	intron (N	Tigger1|D	106793	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr5-1294	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-18159	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr6-8562	9.605986	-0.4795	0.755183	-0.63494	0.525467	0.981636	chr6	85628110	85630635	+	0	NA	intron (N	intron (N	12079	NM_001159	10492	Hs.571177	NM_006372	ENSG00000	SYNCRIP	GRY-RBP|G	synaptota	protein-coding
chr9-1285	9.86371	0.477023	0.75159	0.634686	0.525633	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9830	NM_001363	6709	Hs.372331	NM_003127	ENSG00000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr12-695	7.350448	-0.54845	0.864262	-0.63458	0.5257	0.981636	chr12	69564918	69565374	+	0	NA	intron (N	Tigger3b|	-19577	NR_037476	1.01E+08		NR_037476	ENSG00000	MIR3913-2	mir-3913-	microRNA	ncRNA
chr1-1515	7.399446	-0.54667	0.861561	-0.63451	0.525749	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	16491	NR_030280	693139		NR_030280	ENSG00000	MIR554	MIRN554|h	microRNA	ncRNA
chr15-944	7.399446	-0.54667	0.861561	-0.63451	0.525749	0.981636	chr15	94444984	94445789	+	0	NA	intron (N	intron (N	89456	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr11-348	9.572704	-0.48347	0.762094	-0.63439	0.525825	0.981636	chr11	34881609	34881870	+	0	NA	TTS (NM_0	TTS (NM_0	-34391	NM_001166	8050	Hs.502315	NM_003477	ENSG00000	PDHX	DLDBP|E3B	pyruvate	protein-coding
chr19-106	9.169953	-0.49416	0.779056	-0.6343	0.525885	0.981636	chr19	10671019	10672317	+	0	NA	intron (N	intron (N	17322	NM_004516	3609	Hs.465885	NM_004516	ENSG00000	ILF3	CBTF|DRBF	interleuk	protein-coding
chr4-3976	9.169953	-0.49416	0.779056	-0.6343	0.525885	0.981636	chr4	39765374	39765613	+	0	NA	intron (N	AluJb|SIN	67357	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr1-2028	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9608	NM_002871	5877	Hs.90875	NM_002871	ENSG00000	RABIF	MSS4|RASC	RAB inter	protein-coding
chr11-108	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	37655	NM_003478	8065	Hs.440320	NM_003478	ENSG00000	CUL5	CUL-5|VAC	cullin 5	protein-coding
chr3-1360	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	L1PA16|LI	66284	NM_181897	5523	Hs.518155	NM_002718	ENSG00000	PPP2R3A	PPP2R3|PR	protein p	protein-coding
chr3-1559	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	MIR|SINE|	49485	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr9-1108	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1ME3Cz|L	153947	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chrX-4715	5.1379	-0.656	1.034368	-0.6342	0.52595	0.981636	chrX	47150238	47150583	+	0	NA	intron (N	AluY|SINE	5189	NM_152856	8241	Hs.401509	NM_005676	ENSG00000	RBM10	DXS8237E|	RNA bindi	protein-coding
chr2-2621	10.40144	0.461525	0.727739	0.63419	0.525957	0.981636	chr2	26217325	26220365	+	0	NA	intron (N	AluSz|SIN	25787	NM_000182	3030	Hs.516032	NM_000182	ENSG00000	HADHA	ECHA|GBP|	hydroxyac	protein-coding
chr6-7347	10.40144	0.461525	0.727739	0.63419	0.525957	0.981636	chr6	73479900	73481258	+	0	NA	intron (N	intron (N	18842	NM_001123	25821	Hs.347614	NM_012123	ENSG00000	MTO1	CGI-02|CG	mitochond	protein-coding
chr17-789	9.62956	-0.48358	0.76254	-0.63417	0.525973	0.981636	chr17	78996613	78996999	+	0	NA	intron (N	intron (N	12958	NM_001159	124583	Hs.8859	NM_138793	ENSG00000	CANT1	DBQD|DBQD	calcium a	protein-coding
chr19-583	9.128813	-0.49685	0.783971	-0.63376	0.526235	0.981636	chr19	58308560	58309206	+	0	NA	intron (N	HERVK3-in	3509	NR_144445	1.05E+08	Hs.435404	NR_144445	ENSG00000	ERVK3-1	-	endogenou	ncRNA
chr6-4124	9.128813	-0.49685	0.783971	-0.63376	0.526235	0.981636	chr6	4124954	4125161	+	0	NA	non-codin	non-codin	10411	NM_001166	10455	Hs.15250	NM_006117	ENSG00000	ECI2	ACBD2|DRS	enoyl-CoA	protein-coding
chr1-7865	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr1	78651035	78651394	+	0	NA	intron (N	MER1A|DNA	1383	NM_006417	10561	Hs.82316	NM_006417	ENSG00000	IFI44	MTAP44|TL	interfero	protein-coding
chr10-631	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr10	63184734	63185325	+	0	NA	intron (N	AluYk11|S	51701	NM_030759	29982	Hs.449628	NM_030759	ENSG00000	NRBF2	COPR|COPR	nuclear r	protein-coding
chr12-110	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz|SIN	5647	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr15-664	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr15	66490365	66490747	+	0	NA	exon (NM_	exon (NM_	6478	NR_039737	1.01E+08		NR_039737	ENSG00000	MIR4512	-	microRNA	ncRNA
chr15-772	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr15	77248924	77249934	+	0	NA	intron (N	intron (N	-24025	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr4-8473	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr4	84738309	84738821	+	0	NA	intron (N	AluSz|SIN	155438	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr6-1082	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	38631	NM_001300	8724	Hs.12102	NM_003795	ENSG00000	SNX3	Grd19|MCO	sorting n	protein-coding
chr7-1308	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	Intergeni	8420	NR_029503	407021		NR_029503	ENSG00000	MIR29A	MIRN29|MI	microRNA	ncRNA
chr8-1300	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	20773	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-1140	6.939839	-0.56556	0.892648	-0.63357	0.52636	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME1|LIN	35415	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-6061	23.01561	0.324976	0.513066	0.633401	0.526472	0.981636	chr9	60610318	60611428	+	0	NA	Intergeni	ALR/Alpha	-303534	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr1-1245	10.47586	0.464937	0.734188	0.633267	0.526559	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3031306	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1514	10.4093	0.460014	0.726434	0.633249	0.526571	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq2|SI	19537	NM_207171	23126	Hs.489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo tran	protein-coding
chr1-1800	10.4093	0.460014	0.726434	0.633249	0.526571	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-90795	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr19-456	10.4093	0.460014	0.726434	0.633249	0.526571	0.981636	chr19	45686247	45689115	+	0	NA	exon (NM_	exon (NM_	4272	NM_001369	6633	Hs.515472	NM_004597	ENSG00000	SNRPD2	SMD2|SNRP	small nuc	protein-coding
chr19-573	10.4093	0.460014	0.726434	0.633249	0.526571	0.981636	chr19	57395500	57400820	+	0	NA	intron (N	intron (N	8306	NM_001172	147694	Hs.126905	NM_152909	ENSG00000	ZNF548	-	zinc fing	protein-coding
chr1-1241	34.05314	0.280929	0.443783	0.633032	0.526712	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2625188	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-244	7.180182	0.553096	0.873876	0.632923	0.526784	0.981636	chr13	24482164	24482707	+	0	NA	intron (N	Tigger1|D	30343	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-963	7.180182	0.553096	0.873876	0.632923	0.526784	0.981636	chr14	96337422	96337891	+	0	NA	intron (N	L1PB|LINE	25685	NM_018036	55102	Hs.168241	NM_018036	ENSG00000	ATG2B	C14orf103	autophagy	protein-coding
chr5-1729	7.180182	0.553096	0.873876	0.632923	0.526784	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSx4|SI	9025	NM_003945	8992	Hs.484188	NM_003945	ENSG00000	ATP6V0E1	ATP6H|ATP	ATPase H+	protein-coding
chr9-1348	9.201385	-0.49965	0.789573	-0.63281	0.526861	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	26100	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-1803	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1PA5|LIN	-59568	NR_037642	1.01E+08	Hs.496545	NR_037642	ENSG00000	LHX4-AS1	-	LHX4 anti	ncRNA
chr11-103	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MDa|LIN	22648	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding
chr12-112	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	63330	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr16-291	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr16	2917626	2918766	+	0	NA	intron (N	AluY|SINE	6217	NM_001308	84256	Hs.655321	NM_020912	ENSG00000	FLYWCH1	-	FLYWCH-ty	protein-coding
chr18-318	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr18	31839315	31839514	+	0	NA	exon (NM_	exon (NM_	-78534	NM_001034	147407	Hs.567708	NM_001034	ENSG00000	SLC25A52	MCART2	solute ca	protein-coding
chr19-418	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr19	41892207	41892949	+	0	NA	intron (N	intron (N	8135	NM_199002	9138	Hs.631550	NM_004706	ENSG00000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr5-1087	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	Tigger1|D	11251	NR_146155	2241	Hs.107418	NM_005246	ENSG00000	FER	PPP1R74|T	FER tyros	protein-coding
chr7-1299	6.673886	0.573896	0.9072	0.632602	0.526994	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx3|SI	9359	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr1-2448	9.095532	-0.50101	0.792073	-0.63253	0.527041	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	intron (N	4695	NM_198076	116228	Hs.411490	NM_198076	ENSG00000	COX20	FAM36A	cytochrom	protein-coding
chr13-951	9.416119	0.494325	0.781549	0.632493	0.527065	0.981636	chr13	95115244	95115894	+	0	NA	intron (N	intron (N	-94775	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr1-3219	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr1	32197105	32198438	+	0	NA	3’ UTR (N	3’ UTR (N	-2615	NM_024296	79140	Hs.534482	NM_024296	ENSG00000	CCDC28B	-	coiled-cc	protein-coding
chr12-110	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MA8|LIN	26584	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr13-252	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr13	25251208	25251752	+	0	NA	intron (N	intron (N	36008	NM_004685	9107	Hs.643702	NM_004685	ENSG00000	MTMR6	-	myotubula	protein-coding
chr13-369	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr13	36970480	36971576	+	0	NA	intron (N	intron (N	28312	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr13-423	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr13	42308830	42310284	+	0	NA	intron (N	intron (N	37405	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr13-772	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr13	77216483	77217482	+	0	NA	intron (N	L1MC4a|LI	110112	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|P	MYC bindi	protein-coding
chr13-980	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr13	98004760	98011742	+	0	NA	intron (N	L2b|LINE|	54576	NM_002271	3843	Hs.712598	NM_002271	ENSG00000	IPO5	IMB3|KPNB	importin	protein-coding
chr16-168	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr16	1686133	1686748	+	0	NA	intron (N	AluSg|SIN	8161	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr18-921	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr18	9214352	9218966	+	0	NA	intron (N	intron (N	79096	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr2-4233	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr2	42331507	42334778	+	0	NA	TTS (NM_0	TTS (NM_0	26896	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-4714	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr2	47147474	47152688	+	0	NA	intron (N	MIRc|SINE	5227	NM_173649	285051	Hs.531575	NM_173649	ENSG00000	STPG4	C2orf61|C	sperm-tai	protein-coding
chr2-8584	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr2	85841937	85844513	+	0	NA	intron (N	L1ME3G|LI	10946	NM_001354	8869	Hs.415117	NM_003896	ENSG00000	ST3GAL5	SATI|SIAT	ST3 beta-	protein-coding
chr2-1114	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MLT1J|LTR	4965	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr2-1275	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	MER47A|DN	4890	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr3-1648	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr3	16488803	16489675	+	0	NA	intron (N	AluSx1|SI	24460	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr5-3717	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr5	37176986	37178012	+	0	NA	intron (N	intron (N	-71547	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr8-1030	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	27853	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATP	ATPase H+	protein-coding
chr9-1372	7.375872	-0.5415	0.856212	-0.63244	0.527102	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluJo|SIN	3858	NM_015456	25920	Hs.521809	NM_015456	ENSG00000	NELFB	COBRA1|NE	negative	protein-coding
chr8-3786	9.382838	0.491699	0.777479	0.632427	0.527108	0.981636	chr8	37862258	37862700	+	0	NA	3’ UTR (N	3’ UTR (N	-12618	NM_018310	55290	Hs.709301	NM_018310	ENSG00000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr1-1106	5.212321	-0.64324	1.017112	-0.63242	0.527111	0.981636	chr1	11062959	11063725	+	0	NA	Intergeni	Intergeni	-3324	NM_003132	6723	Hs.76244	NM_003132	ENSG00000	SRM	PAPT|SPDS	spermidin	protein-coding
chr14-965	5.212321	-0.64324	1.017112	-0.63242	0.527111	0.981636	chr14	96527909	96528689	+	0	NA	intron (N	intron (N	25434	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr6-1547	5.212321	-0.64324	1.017112	-0.63242	0.527111	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	L1P3|LINE	47983	NM_001286	22828	Hs.591329	NM_014892	ENSG00000	SCAF8	RBM16	SR-relate	protein-coding
chr17-358	11.81253	-0.43771	0.692912	-0.6317	0.527582	0.981636	chr17	35820236	35820467	+	0	NA	exon (NM_	exon (NM_	10867	NM_139215	8148	Hs.402752	NM_003487	ENSG00000	TAF15	Npl3|RBP5	TATA-box	protein-coding
chr6-3092	4.749754	1.141667	1.807507	0.631625	0.527632	0.981636	chr6	30922039	30922533	+	0	NA	intron (N	intron (N	7955	NM_001167	57176	Hs.597526	NM_020442	ENSG00000	VARS2	COXPD20|V	valyl-tRN	protein-coding
chr15-631	9.598128	-0.47817	0.757235	-0.63147	0.527735	0.981636	chr15	63129373	63132265	+	0	NA	3’ UTR (N	3’ UTR (N	8958	NM_001288	114294	Hs.410388	NM_032857	ENSG00000	LACTB	G24|MRPL5	lactamase	protein-coding
chr7-1000	9.598128	-0.47817	0.757235	-0.63147	0.527735	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	1850	NM_182776	4176	Hs.438720	NM_005916	ENSG00000	MCM7	CDC47|MCM	minichrom	protein-coding
chr12-955	11.84581	-0.43455	0.68827	-0.63137	0.527801	0.981636	chr12	95511557	95511892	+	0	NA	intron (N	intron (N	36514	NM_001278	84101	Hs.646421	NM_032147	ENSG00000	USP44	-	ubiquitin	protein-coding
chr2-8554	11.84581	-0.43455	0.68827	-0.63137	0.527801	0.981636	chr2	85540291	85546516	+	0	NA	intron (N	intron (N	4235	NM_005911	4144	Hs.516157	NM_005911	ENSG00000	MAT2A	MATA2|MAT	methionin	protein-coding
chr1-9972	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	9972555	9976164	+	0	NA	intron (N	AluJb|SIN	6978	NR_049882	1.01E+08		NR_049882	ENSG00000	MIR5697	-	microRNA	ncRNA
chr1-1553	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	15536179	15537092	+	0	NA	exon (NM_	exon (NM_	-5531	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Caj	ncRNA
chr1-3347	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	33479548	33482474	+	0	NA	intron (N	intron (N	8366	NM_145238	7579	Hs.442705	NM_145238	ENSG00000	ZSCAN20	KOX29|ZFP	zinc fing	protein-coding
chr1-4103	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	41032214	41032891	+	0	NA	intron (N	L2a|LINE|	-10797	NM_001168	200172	Hs.194609	NM_144990	ENSG00000	SLFNL1	-	schlafen	protein-coding
chr1-2028	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSg|SIN	-13039	NM_002871	5877	Hs.90875	NM_002871	ENSG00000	RABIF	MSS4|RASC	RAB inter	protein-coding
chr1-2312	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	34177	NM_001316	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr1-2360	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	27145	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding

chr10-295	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr10	29508338	29508905	+	0	NA	intron (N	intron (N	36476	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-354	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr11	35428228	35429749	+	0	NA	Intergeni	MLT2F|LTR	-8930	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr11-472	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr11	47221616	47223285	+	0	NA	intron (N	AluJr|SIN	7508	NM_001300	1643	Hs.700338	NM_000107	ENSG00000	DDB2	DDBB|UV-D	damage sp	protein-coding
chr11-117	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	65875	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-481	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr12	48129290	48135554	+	0	NA	promoter-	promoter-	-375	NR_106760	1.02E+08		NR_106760	ENSG00000	MIR6505	hsa-mir-6	microRNA	ncRNA
chr12-101	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJr|SIN	-20976	NR_049838	1.01E+08		NR_049838	ENSG00000	MIR548AQ	-	microRNA	ncRNA
chr12-112	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-83672	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr12-122	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-25287	NM_152759	254050	Hs.374856	NM_152759	ENSG00000	LRRC43	-	leucine r	protein-coding
chr12-123	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSc5|SI	-21669	NR_036187	1E+08		NR_036187	ENSG00000	MIR4304	-	microRNA	ncRNA
chr14-742	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr14	74286886	74292411	+	0	NA	intron (N	intron (N	13286	NR_148467	5826	Hs.94395	NM_005050	ENSG00000	ABCD4	ABC41|EST	ATP bindi	protein-coding
chr14-102	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	43596	NM_001348	122416	Hs.432945	NM_152326	ENSG00000	ANKRD9	-	ankyrin r	protein-coding
chr15-407	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr15	40771945	40779476	+	0	NA	intron (N	intron (N	5730	NM_001130	643338	Hs.631715	NM_001130	ENSG00000	C15orf62	-	chromosom	protein-coding
chr15-723	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr15	72344989	72350374	+	0	NA	intron (N	intron (N	-27524	NM_052840	60677	Hs.348342	NM_052840	ENSG00000	CELF6	BRUNOL6	CUGBP Ela	protein-coding
chr17-699	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr17	6998738	6999401	+	0	NA	intron (N	intron (N	3020	NM_000697	239	Hs.654431	NM_000697	ENSG00000	ALOX12	12-LOX|12	arachidon	protein-coding
chr17-291	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr17	29103488	29107392	+	0	NA	intron (N	L2c|LINE|	-29831	NM_004740	9220	Hs.462590	NM_004740	ENSG00000	TIAF1	MAJN|SPR2	TGFB1-ind	protein-coding
chr18-745	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr18	74503643	74504231	+	0	NA	intron (N	intron (N	4349	NM_001168	55748	Hs.149185	NM_018235	ENSG00000	CNDP2	CN2|CPGL|	carnosine	protein-coding
chr18-797	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr18	79753957	79755158	+	0	NA	TTS (NM_0	TTS (NM_0	73127	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr18-799	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr18	79940111	79943344	+	0	NA	intron (N	intron (N	9926	NM_001146	80148	Hs.288284	NM_025078	ENSG00000	SLC66A2	PQLC1	solute ca	protein-coding
chr19-125	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr19	12542945	12546360	+	0	NA	intron (N	MER54A|LT	6830	NM_144976	163050	Hs.655615	NM_144976	ENSG00000	ZNF564	-	zinc fing	protein-coding
chr19-164	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr19	16400729	16405558	+	0	NA	intron (N	intron (N	68827	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr19-185	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr19	18531897	18533296	+	0	NA	intron (N	intron (N	-10526	NM_006532	8178	Hs.515260	NM_006532	ENSG00000	ELL	C19orf17|	elongatio	protein-coding
chr19-193	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr19	19349051	19357516	+	0	NA	intron (N	intron (N	32454	NM_015329	23383	Hs.654939	NM_015329	ENSG00000	MAU2	KIAA0892|	MAU2 sist	protein-coding
chr19-552	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr19	55289061	55296588	+	0	NA	intron (N	AluSx|SIN	8827	NM_032430	84446	Hs.182081	NM_032430	ENSG00000	BRSK1	hSAD1	BR serine	protein-coding
chr2-2334	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	81931	NM_018218	55230	Hs.96513	NM_018218	ENSG00000	USP40	-	ubiquitin	protein-coding
chr22-176	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	17621313	17622961	+	0	NA	intron (N	intron (N	6612	NM_001696	529	Hs.517338	NM_001696	ENSG00000	ATP6V1E1	ARCL2C|AT	ATPase H+	protein-coding
chr22-209	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	20999589	21000267	+	0	NA	TTS (NM_0	TTS (NM_0	-1994	NR_027052	439931	Hs.517430	NR_027051	ENSG00000	THAP7-AS1	-	THAP7 ant	ncRNA
chr22-214	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	21479992	21481966	+	0	NA	intron (N	AluSx1|SI	13809	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr22-305	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	30575979	30581817	+	0	NA	exon (NM_	exon (NM_	-4233	NM_001318	9514	Hs.17958	NM_004861	ENSG00000	GAL3ST1	CST	galactose	protein-coding
chr22-439	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	43980644	43986317	+	0	NA	intron (N	intron (N	-15731	NM_001003	29780	Hs.475074	NM_013327	ENSG00000	PARVB	CGI-56	parvin be	protein-coding
chr22-504	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr22	50436629	50442437	+	0	NA	intron (N	intron (N	32091	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr3-1571	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	Intergeni	L2a|LINE|	-25038	NM_020307	57018	Hs.4859	NM_020307	ENSG00000	CCNL1	ANIA6A|BM	cyclin L1	protein-coding
chr4-8607	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr4	860744	864994	+	0	NA	intron (N	Tigger1|D	-36740	NM_006651	10815	Hs.478930	NM_006651	ENSG00000	CPLX1	CPX-I|CPX	complexin	protein-coding
chr5-1387	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr5	13875128	13876848	+	0	NA	intron (N	intron (N	68492	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1523	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	L2b|LINE|	-57657	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr7-6700	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr7	67009767	67012093	+	0	NA	intron (N	intron (N	14097	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chr7-9899	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr7	98993545	98995218	+	0	NA	intron (N	intron (N	-18784	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr9-9271	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr9	92712895	92714129	+	0	NA	3’ UTR (N	3’ UTR (N	-43381	NM_022755	64768	Hs.459896	NM_022755	ENSG00000	IPPK	C9orf12|I	inositol-	protein-coding
chr9-1363	7.203756	0.546451	0.865756	0.631184	0.52792	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	3381	NM_003086	6621	Hs.113265	NM_003086	ENSG00000	SNAPC4	PTFalpha|	small nuc	protein-coding
chr12-511	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr12	51107638	51108495	+	0	NA	intron (N	AluSx3|SI	-24470	NM_030809	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr15-768	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr15	76850480	76852454	+	0	NA	intron (N	L1PREC2|L	10477	NM_001145	49855	Hs.458986	NM_020843	ENSG00000	SCAPER	IDDRP|MST	S-phase c	protein-coding
chr16-158	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr16	1582199	1582815	+	0	NA	intron (N	MLT1D|LTR	1980	NR_135176	1.05E+08	Hs.663325	NR_135176	ENSG00000	LOC105371	-	uncharact	ncRNA
chr16-259	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr16	2596026	2597169	+	0	NA	intron (N	intron (N	-6787	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr3-9677	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr3	9677682	9678832	+	0	NA	intron (N	intron (N	-25576	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr5-1731	6.707168	0.577379	0.915	0.631015	0.528031	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	13961	NM_013980	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr19-232	3.453371	-0.78681	1.247571	-0.63067	0.528253	0.981636	chr19	23219527	23220423	+	0	NA	Intergeni	Intergeni	30419	NM_001355	440519	Hs.675814	NM_001355	ENSG00000	ZNF724	ZNF724P	zinc fing	protein-coding
chr2-2379	3.453371	-0.78681	1.247571	-0.63067	0.528253	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluJb|SIN	17381	NM_001278	140739	Hs.471785	NM_080678	ENSG00000	UBE2F	NCE2	ubiquitin	protein-coding
chr1-2073	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	L1MEg|LIN	11925	NR_125349	1604	Hs.126517	NM_000574	ENSG00000	CD55	CHAPLE|CR	CD55 mole	protein-coding
chr14-529	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr14	52946587	52948189	+	0	NA	intron (N	AluY|SINE	3662	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr19-111	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr19	11169428	11171303	+	0	NA	intron (N	intron (N	-14553	NM_001317	147841	Hs.381225	NM_182513	ENSG00000	SPC24	SPBC24	SPC24 com	protein-coding
chr2-1698	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	TTS (NR_1	TTS (NR_1	179	NR_145754	1.1E+08		NR_145754		SNORD3K	-	small nuc	snoRNA
chr2-2025	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-103546	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr5-9548	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr5	95480587	95483483	+	0	NA	intron (N	intron (N	72970	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr8-2335	9.639267	-0.47561	0.754169	-0.63064	0.528273	0.981636	chr8	23356952	23360560	+	0	NA	intron (N	MER5A|DNA	22548	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr19-376	14.14285	0.400404	0.634941	0.630617	0.528291	0.981636	chr19	37640826	37648324	+	0	NA	intron (N	intron (N	10890	NM_001320	22835	Hs.668737	NM_014898	ENSG00000	ZFP30	ZNF745	ZFP30 zin	protein-coding
chr10-498	4.436099	0.689869	1.094341	0.630396	0.528435	0.981636	chr10	49842060	49842541	+	0	NA	intron (N	intron (N	-79921	NM_001347	55753	Hs.17860	NM_018245	ENSG00000	OGDHL	-	oxoglutar	protein-coding
chr13-407	4.436099	0.689869	1.094341	0.630396	0.528435	0.981636	chr13	40795655	40796499	+	0	NA	TTS (NR_0	TTS (NR_0	6466	NM_014252	10166	Hs.646645	NM_014252	ENSG00000	SLC25A15	D13S327|H	solute ca	protein-coding
chr3-1145	4.436099	0.689869	1.094341	0.630396	0.528435	0.981636	chr3	1.15E+08	1.15E+08	+	0	NA	intron (N	L1PA7|LIN	78337	NR_121661	1.02E+08	Hs.614195	NR_121661	ENSG00000	ZBTB20-AS	-	ZBTB20 an	ncRNA
chr20-476	9.647125	-0.47694	0.756601	-0.63038	0.528449	0.981636	chr20	47651021	47651302	+	0	NA	exon (NM_	exon (NM_	134903	NM_018837	55959	Hs.162016	NM_018837	ENSG00000	SULF2	HSULF-2	sulfatase	protein-coding
chr7-1314	9.647125	-0.47694	0.756601	-0.63038	0.528449	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	92550	NM_001018	5420	Hs.744213	NM_005397	ENSG00000	PODXL	Gp200|PC|	podocalyx	protein-coding
chr13-521	9.637418	-0.48501	0.76967	-0.63016	0.528593	0.981636	chr13	52179893	52180385	+	0	NA	intron (N	LTR57|LTR	14328	NR_002816	1.01E+08	Hs.553878	NR_002816	ENSG00000	MRPS31P5	MRPS31P3	mitochond	pseudo
chr1-3268	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr1	32688758	32690052	+	0	NA	intron (N	AluSg7|SI	13365	NM_001161	81493	Hs.712631	NM_030786	ENSG00000	SYNC	SYNC1|SYN	syncoilin	protein-coding
chr11-113	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	L1M5|LINE	-27964	NM_001288	80975	Hs.46720	NM_030770	ENSG00000	TMPRSS5	SPINESIN	transmemb	protein-coding
chr12-677	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr12	6770149	6771639	+	0	NA	TTS (NM_0	TTS (NM_0	-1626	NM_002286	3902	Hs.409523	NM_002286	ENSG00000	LAG3	CD223	lymphocyt	protein-coding
chr14-101	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	L1ME4a|LI	-7357	NR_029871	494328		NR_029871	ENSG00000	MIR379	MIRN379|h	microRNA	ncRNA
chr15-665	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr15	66546795	66549202	+	0	NA	non-codin	non-codin	17499	NM_207338	197021	Hs.680983	NM_207338	ENSG00000	LCTL	KLG|KLPH	lactase l	protein-coding
chr2-2164	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	AluJb|SIN	-17493	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr20-564	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr20	56418889	56421046	+	0	NA	intron (N	AluSp|SIN	7707	NM_001164	57091	Hs.473144	NM_020356	ENSG00000	CASS4	C20orf32|	Cas scaff	protein-coding
chr22-297	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr22	29787913	29788245	+	0	NA	TTS (NM_0	TTS (NM_0	20710	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr3-5330	5.204463	-0.64089	1.017102	-0.63011	0.52862	0.981636	chr3	53307639	53308124	+	0	NA	intron (N	intron (N	25246	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr12-716	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr12	71638048	71639004	+	0	NA	intron (N	intron (N	25322	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr13-984	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr13	98439857	98440340	+	0	NA	intron (N	intron (N	82027	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-753	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr15	75358014	75359722	+	0	NA	intron (N	intron (N	-5183	NR_030360	693216		NR_030360	ENSG00000	MIR631	MIRN631|h	microRNA	ncRNA
chr17-850	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr17	8508584	8509215	+	0	NA	intron (N	Tigger3c|	73015	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr19-578	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr19	57842427	57843266	+	0	NA	intron (N	intron (N	-7013	NM_032828	84914	Hs.642598	NM_032828	ENSG00000	ZNF587	ZF6	zinc fing	protein-coding
chr5-1383	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	39386	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr9-1132	7.417011	-0.53809	0.854121	-0.62999	0.5287	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	18806	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chr1-1458	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	MIRb|SINE	-2304	NR_106794	1.02E+08		NR_106794	ENSG00000	MIR6736	hsa-mir-6	microRNA	ncRNA
chr1-1739	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	1247	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RO	ring fing	protein-coding
chr1-2261	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSx3|SI	1662	NR_146443	1.08E+08	Hs.735455	NR_146443	ENSG00000	ACBD3-AS1	-	ACBD3 ant	ncRNA
chr16-299	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr16	29977649	29986311	+	0	NA	intron (N	intron (N	8112	NM_001252	9344	Hs.291623	NM_004783	ENSG00000	TAOK2	MAP3K17|P	TAO kinas	protein-coding
chr16-671	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr16	67194253	67198368	+	0	NA	intron (N	intron (N	-2821	NM_024712	79767	Hs.377416	NM_024712	ENSG00000	ELMO3	CED-12|CE	engulfmen	protein-coding
chr2-9256	10.41715	0.458492	0.728145	0.629672	0.528909	0.981636	chr2	92560716	92562618	+	0	NA	Intergeni	ALR/Alpha	620534	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1199	9.162095	-0.49267	0.782505	-0.62961	0.528949	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-70628	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr4-1899	9.162095	-0.49267	0.782505	-0.62961	0.528949	0.981636	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	AluJr4|SI	14000	NM_004477	2483	Hs.203772	NM_004477	ENSG00000	FRG1	FRG1A|FSG	FSHD regi	protein-coding
chr1-1404	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr1	1404323	1406683	+	0	NA	intron (N	7SLRNA|sr	1790	NM_017971	55052	Hs.182698	NM_017971	ENSG00000	MRPL20	L20mt|MRP	mitochond	protein-coding
chr1-8401	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr1	8401410	8407852	+	0	NA	intron (N	intron (N	19201	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr1-3279	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr1	32795246	32797546	+	0	NA	intron (N	AluJo|SIN	-21046	NM_001256	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr10-310	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr10	3100396	3105736	+	0	NA	intron (N	intron (N	-1543	NM_001323	5214	Hs.26010	NM_002627	ENSG00000	PFKP	ATP-PFK|P	phosphofr	protein-coding
chr11-941	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr11	9414382	9420180	+	0	NA	intron (N	intron (N	-11485	NR_002962	677808	Hs.689720	NR_002962	ENSG00000	SNORA23	ACA23	small nuc	snoRNA
chr12-216	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr12	21648401	21651256	+	0	NA	intron (N	AluSx|SIN	7966	NM_001174	3945	Hs.446149	NM_002300	ENSG00000	LDHB	HEL-S-281	lactate d	protein-coding
chr12-269	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr12	26910432	26914057	+	0	NA	intron (N	AluSx|SIN	25737	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr12-723	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr12	72371196	72372895	+	0	NA	intron (N	L1PA3|LIN	-98536	NR_026836	283392	Hs.363603	NM_001025	ENSG00000	TRHDE-AS1	-	TRHDE ant	ncRNA
chr12-104	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSx1|SI	10693	NM_006166	4801	Hs.84928	NM_006166	ENSG00000	NFYB	CBF-A|CBF	nuclear t	protein-coding
chr13-517	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr13	51746061	51749562	+	0	NA	intron (N	AluJb|SIN	56351	NM_001270	79758	Hs.266728	NM_024705	ENSG00000	DHRS12	SDR40C1	dehydroge	protein-coding
chr14-672	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr14	67272727	67273645	+	0	NA	intron (N	L1PA5|LIN	31751	NM_001256	64398	Hs.652312	NM_022474	ENSG00000	MPP5	PALS1	membrane	protein-coding
chr14-101	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_0	TTS (NR_0	453	NR_030391	724025		NR_030391	ENSG00000	MIR655	MIRN655|h	microRNA	ncRNA
chr15-801	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr15	80176646	80178784	+	0	NA	intron (N	intron (N	24716	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr16-303	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr16	30362327	30362810	+	0	NA	intron (N	L2a|LINE|	-7260	NM_006110	10421	Hs.202677	NM_006110	ENSG00000	CD2BP2	FWP010|LI	CD2 cytop	protein-coding
chr2-2637	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr2	26371425	26371796	+	0	NA	intron (N	SVA_D|Ret	-24821	NM_001321	165082	Hs.631878	NM_153835	ENSG00000	ADGRF3	GPR113|PG	adhesion	protein-coding
chr2-1514	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	53684	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1586	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	100509	NR_135242	1E+08	Hs.630724	NR_135242	ENSG00000	PKP4-AS1	-	PKP4 anti	ncRNA
chr2-1829	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	L1MA4|LIN	66375	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr2-2384	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluJo|SIN	9581	NM_001040	51665	Hs.516788	NM_016114	ENSG00000	ASB1	ASB-1	ankyrin r	protein-coding
chr22-363	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr22	36376256	36378189	+	0	NA	intron (N	intron (N	10845	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr3-3381	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr3	33813886	33815535	+	0	NA	intron (N	(TA)n|Sim	16080	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr4-7886	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr4	78866945	78867934	+	0	NA	intron (N	MER90|LTR	71999	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr4-1028	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	17514	NM_001300	7323	Hs.518773	NM_003340	ENSG00000	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chr5-1460	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr5	1460098	1464329	+	0	NA	3’ UTR (N	3’ UTR (N	-16773	NM_001044	6531	Hs.406	NM_001044	ENSG00000	SLC6A3	DAT|DAT1|	solute ca	protein-coding
chr5-1464	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	9550	NM_006706	10915	Hs.443465	NM_006706	ENSG00000	TCERG1	CA150|TAF	transcrip	protein-coding
chr6-1165	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	5128	NM_016104	51389	Hs.532164	NM_015952	ENSG00000	RWDD1	CGI-24|PT	RWD domai	protein-coding
chr6-1544	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr6	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSz6|SI	12846	NM_001368	154043	Hs.16064	NM_173515	ENSG00000	CNKSR3	CNK3|CNK3	CNKSR fam	protein-coding
chr7-3257	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr7	32570111	32571258	+	0	NA	intron (N	AluSq2|SI	75195	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-1572	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	FLAM_C|SI	78495	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr8-1168	7.409153	-0.5364	0.852362	-0.62931	0.529147	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-28204	NR_033886	644660	Hs.706174	NR_033886	ENSG00000	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr11-303	6.898699	-0.56917	0.904483	-0.62927	0.529169	0.981636	chr11	30331508	30331858	+	0	NA	intron (N	intron (N	8579	NM_152316	120534	Hs.502208	NM_152316	ENSG00000	ARL14EP	ARF7EP|C1	ADP ribos	protein-coding
chr21-348	6.898699	-0.56917	0.904483	-0.62927	0.529169	0.981636	chr21	34816639	34816850	+	0	NA	intron (N	intron (N	70919	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr19-498	10.45044	0.460936	0.732512	0.629253	0.529183	0.981636	chr19	49803452	49804156	+	0	NA	intron (N	MIRc|SINE	9488	NR_033269	80199	Hs.288800	NM_025129	ENSG00000	FUZ	CPLANE3|F	fuzzy pla	protein-coding
chr16-700	7.34259	-0.5468	0.869099	-0.62916	0.529246	0.981636	chr16	70030136	70030522	+	0	NA	promoter-	promoter-	-17	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr1-1519	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	9852	NM_002966	6281	Hs.143873	NM_002966	ENSG00000	S100A10	42C|ANX2L	S100 calc	protein-coding
chr12-501	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr12	50193865	50206689	+	0	NA	intron (N	AluSx|SIN	1256	NM_001243	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr15-325	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr15	32520570	32522676	+	0	NA	intron (N	AluY|SINE	12118	NR_036650	1E+08	Hs.562620	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr19-466	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr19	4666327	4668087	+	0	NA	intron (N	AluY|SINE	3196	NM_019107	56005	Hs.465645	NM_019107	ENSG00000	MYDGF	C19orf10|	myeloid c	protein-coding
chr3-1567	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr3	15676563	15679482	+	0	NA	intron (N	intron (N	19349	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA

chr3-1944	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	(TGTAATA)	8651	NM_024524	79572	Hs.529609	NM_024524	ENSG00000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr5-6911	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr5	69115545	69117582	+	0	NA	exon (NM_	exon (NM_	22549	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-1795	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	9264	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr6-1586	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	L1PA5|LIN	4893	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr7-1079	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	38815	NM_000108	1738	Hs.131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr8-3816	9.63141	-0.47428	0.753977	-0.62904	0.529323	0.981636	chr8	38168109	38172497	+	0	NA	intron (N	AluSx3|SI	6190	NM_014462	27257	Hs.425311	NM_014462	ENSG00000	LSM1	CASM|YJL1	LSM1 homo	protein-coding
chr20-436	6.632747	0.572659	0.910553	0.628914	0.529405	0.981636	chr20	43638058	43638430	+	0	NA	intron (N	AluSq2|SI	-28775	NM_001278	4605	Hs.179718	NM_002466	ENSG00000	MYBL2	B-MYB|BMY	MYB proto	protein-coding
chr18-742	7.237038	0.549811	0.874726	0.628552	0.529642	0.981636	chr18	74260786	74263611	+	0	NA	intron (N	AluSx|SIN	29765	NM_148923	1528	Hs.465413	NM_001914	ENSG00000	CYB5A	CYB5|MCB5	cytochrom	protein-coding
chr20-321	7.237038	0.549811	0.874726	0.628552	0.529642	0.981636	chr20	32139502	32140668	+	0	NA	intron (N	L2c|LINE|	30357	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr2-5564	7.424869	-0.53979	0.859173	-0.62827	0.529828	0.981636	chr2	55642794	55643600	+	0	NA	exon (NM_	exon (NM_	-25575	NM_020463	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr7-1213	7.424869	-0.53979	0.859173	-0.62827	0.529828	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	MER103C|D	28118	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr1-5515	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr1	55151062	55152937	+	0	NA	intron (N	intron (N	63365	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitin	protein-coding
chr15-758	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr15	75861494	75861915	+	0	NA	intron (N	intron (N	17660	NM_001145	92912	Hs.23033	NM_173469	ENSG00000	UBE2Q2	-	ubiquitin	protein-coding
chr17-422	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr17	4222859	4223340	+	0	NA	intron (N	intron (N	40748	NM_001257	51479	Hs.696087	NM_016376	ENSG00000	ANKFY1	ANKHZN|BT	ankyrin r	protein-coding
chr17-591	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr17	59126351	59127543	+	0	NA	intron (N	L1MB3|LIN	10925	NR_030411	768216		NR_030411	ENSG00000	MIR454	MIRN454|h	microRNA	ncRNA
chr2-7020	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr2	70209088	70211020	+	0	NA	non-codin	non-codin	-19035	NR_145970	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr7-1378	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSz6|SI	40532	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr9-1326	5.163323	-0.64594	1.028808	-0.62786	0.530099	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	non-codin	non-codin	20367	NM_012204	9329	Hs.22302	NM_012204	ENSG00000	GTF3C4	KAT12|TF3	general t	protein-coding
chr10-683	9.887284	0.472169	0.752176	0.627738	0.530176	0.981636	chr10	68375626	68375845	+	0	NA	intron (N	AluY|SINE	31454	NM_017987	55680	Hs.653144	NM_017987	ENSG00000	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr11-864	7.162617	0.545267	0.868686	0.627691	0.530206	0.981636	chr11	8647905	8648927	+	0	NA	exon (NM_	exon (NM_	10420	NM_014818	9866	Hs.130836	NM_014818	ENSG00000	TRIM66	C11orf29|	tripartit	protein-coding
chr15-942	7.162617	0.545267	0.868686	0.627691	0.530206	0.981636	chr15	94288980	94289476	+	0	NA	Intergeni	L1MEf|LIN	-8973	NM_018349	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr3-1247	7.162617	0.545267	0.868686	0.627691	0.530206	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	30833	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA
chr5-1349	7.162617	0.545267	0.868686	0.627691	0.530206	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	18656	NM_032151	84105	Hs.710014	NM_032151	ENSG00000	PCBD2	DCOH2|DCC	pterin-4	protein-coding
chr9-1275	7.162617	0.545267	0.868686	0.627691	0.530206	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	20861	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr12-683	9.594428	-0.49781	0.793169	-0.62762	0.530252	0.981636	chr12	6836305	6836589	+	0	NA	intron (N	intron (N	-4478	NM_001297	2784	Hs.631657	NM_002075	ENSG00000	GNB3	CSNB1H	G protein	protein-coding
chr1-1561	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	6255	NM_014655	9673	Hs.532375	NM_014655	ENSG00000	SLC25A44	-	solute ca	protein-coding
chr10-136	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr10	13616553	13617117	+	0	NA	intron (N	intron (N	29870	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr12-269	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr12	26977266	26978050	+	0	NA	intron (N	AluSz|SIN	36726	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr15-282	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr15	28211824	28213058	+	0	NA	intron (N	intron (N	109711	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-636	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr15	63614904	63615678	+	0	NA	intron (N	intron (N	-14464	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-910	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr15	91001051	91001991	+	0	NA	intron (N	intron (N	-6986	NM_199413	9055	Hs.366401	NM_003981	ENSG00000	PRC1	ASE1	protein r	protein-coding
chr19-146	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr19	14694890	14697243	+	0	NA	intron (N	AluSz6|SI	6018	NM_001352	84449	Hs.515215	NM_032433	ENSG00000	ZNF333	-	zinc fing	protein-coding
chr2-2733	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr2	27333326	27337653	+	0	NA	promoter-	promoter-	-53	NR_038427	1.01E+08	Hs.666503	NR_038427	ENSG00000	GTF3C2-AS	-	GTF3C2 an	ncRNA
chr3-5274	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr3	52745281	52747083	+	0	NA	exon (NM_	exon (NM_	24758	NM_001348	6787	Hs.631921	NM_003157	ENSG00000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr4-3557	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr4	355788	356397	+	0	NA	intron (N	AluSg4|SI	5935	NR_030297	693156		NR_030297	ENSG00000	MIR571	MIRN571|h	microRNA	ncRNA
chr4-6578	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr4	6578626	6580884	+	0	NA	intron (N	(CCATCA)r	4566	NM_015274	23324	Hs.188464	NM_015274	ENSG00000	MAN2B2	-	mannosida	protein-coding
chr6-1550	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr6	15501024	15501947	+	0	NA	intron (N	intron (N	161543	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr6-4319	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr6	43194838	43198914	+	0	NA	intron (N	intron (N	14680	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr8-2022	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr8	20224725	20226834	+	0	NA	Intergeni	Intergeni	28398	NM_001693	526	Hs.295917	NM_001693	ENSG00000	ATP6V1B2	ATP6B1B2|	ATPase H+	protein-coding
chr9-1365	7.170475	0.54308	0.866051	0.627076	0.530609	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	14297	NR_039820	1.01E+08		NR_039820	ENSG00000	MIR4673	-	microRNA	ncRNA
chr11-102	7.317166	-0.55412	0.883746	-0.62702	0.530648	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz|SIN	12525	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr10-683	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr10	68378631	68379391	+	0	NA	intron (N	intron (N	28178	NM_017987	55680	Hs.653144	NM_017987	ENSG00000	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr10-965	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr10	96550489	96550725	+	0	NA	intron (N	intron (N	36405	NM_020123	56889	Hs.500674	NM_020123	ENSG00000	TM9SF3	EP70-P-is	transmemb	protein-coding
chr10-100	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	7602	NM_017902	55662	Hs.500788	NM_017902	ENSG00000	HIF1AN	FIH1	hypoxia i	protein-coding
chr11-125	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	4114	NM_001278	3703	Hs.504237	NM_152713	ENSG00000	STT3A	ITM1|STT3	STT3 olig	protein-coding
chr2-1771	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr2	17714380	17715033	+	0	NA	intron (N	intron (N	39104	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-7394	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr2	73941899	73942374	+	0	NA	intron (N	AluSx1|SI	15256	NR_134898	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguan	protein-coding
chr4-5698	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr4	56989665	56989864	+	0	NA	intron (N	intron (N	10868	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr6-8561	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr6	85619643	85620083	+	0	NA	intron (N	L1MC1|LIN	21588	NM_001159	10492	Hs.571177	NM_006372	ENSG00000	SYNCRIP	GRY-RBP|G	synaptota	protein-coding
chr8-4195	7.368014	-0.53982	0.861001	-0.62696	0.530683	0.981636	chr8	41954567	41955314	+	0	NA	intron (N	intron (N	-58199	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr1-2471	10.94702	0.446048	0.711622	0.626804	0.530787	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15507	NM_001297	7678	Hs.421238	NM_003431	ENSG00000	ZNF124	HZF-16|HZ	zinc fing	protein-coding
chr3-7104	10.94702	0.446048	0.711622	0.626804	0.530787	0.981636	chr3	71040365	71041413	+	0	NA	intron (N	intron (N	24035	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr5-1772	10.94702	0.446048	0.711622	0.626804	0.530787	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	56041	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr15-395	12.31512	-0.42258	0.674357	-0.62665	0.530891	0.981636	chr15	39595215	39596935	+	0	NA	3’ UTR (N	3’ UTR (N	14996	NM_003246	7057	Hs.164226	NM_003246	ENSG00000	THBS1	THBS|THBS	thrombosp	protein-coding
chr5-3151	10.50914	0.467486	0.746087	0.626583	0.530932	0.981636	chr5	31514563	31515093	+	0	NA	intron (N	MER20|DNA	17265	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr20-564	6.931981	-0.56355	0.899843	-0.62627	0.531136	0.981636	chr20	56482588	56482842	+	0	NA	intron (N	intron (N	14130	NM_001283	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr7-5324	6.931981	-0.56355	0.899843	-0.62627	0.531136	0.981636	chr7	5324417	5324772	+	0	NA	intron (N	(CTCAGTA)	41651	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr1-8895	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr1	88952412	88953584	+	0	NA	intron (N	intron (N	39631	NM_001162	494115	Hs.481898	NM_019610	ENSG00000	RBMXL1	RBM1	RBMX like	protein-coding
chr1-9490	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr1	94907842	94909023	+	0	NA	intron (N	intron (N	17376	NM_001286	1266	Hs.483454	NM_001839	ENSG00000	CNN3	-	calponin	protein-coding
chr10-294	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr10	29420465	29424156	+	0	NA	TTS (NR_0	TTS (NR_0	12067	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr11-119	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	25809	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr12-123	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	8262	NM_001324	387893	Hs.443735	NM_020382	ENSG00000	KMT5A	PR-Set7|F	lysine me	protein-coding
chr14-347	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr14	34759639	34765401	+	0	NA	intron (N	AluJb|SIN	-47697	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr14-884	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr14	88433647	88436086	+	0	NA	intron (N	intron (N	49209	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr19-469	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr19	46991795	46992358	+	0	NA	intron (N	intron (N	-27761	NM_002517	4861	Hs.79564	NM_002517	ENSG00000	NPAS1	MOP5|PASD	neuronal	protein-coding
chr2-3765	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr2	37657887	37658382	+	0	NA	intron (N	intron (N	14065	NM_001270	10602	Hs.369574	NM_006449	ENSG00000	CDC42EP3	BORG2|CEP	CDC42 eff	protein-coding
chr2-1094	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MEc|LIN	-128914	NR_036224	1E+08		NR_036224	ENSG00000	MIR4266	-	microRNA	ncRNA
chr2-1114	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	Tigger3a|	68806	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr20-910	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr20	9101132	9101441	+	0	NA	intron (N	intron (N	32232	NM_001172	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr3-1055	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	184879	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr3-1126	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	MER41A|LT	-13669	NR_109779	1.01E+08	Hs.86538	NR_109779		LINC01279	-	long inte	ncRNA
chr4-1734	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr4	1734827	1738951	+	0	NA	intron (N	AluSx1|SI	15368	NM_006342	10460	Hs.104019	NM_006342	ENSG00000	TACC3	ERIC-1|ER	transform	protein-coding
chr4-2452	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr4	24525135	24526635	+	0	NA	Intergeni	AluY|SINE	-5595	NR_030299	693158		NR_030299	ENSG00000	MIR573	MIRN573|h	microRNA	ncRNA
chr5-3344	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr5	33448530	33451742	+	0	NA	intron (N	Tigger13a	9360	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr7-1208	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MA7|LIN	27065	NM_012338	23554	Hs.16529	NM_012338	ENSG00000	TSPAN12	EVR5|NET-	tetraspan	protein-coding
chr8-3904	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr8	39043777	39045354	+	0	NA	intron (N	L1PA17|LI	-25880	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr8-1030	7.401295	-0.5347	0.853837	-0.62623	0.531163	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	32793	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATP	ATPase H+	protein-coding
chr19-166	6.640605	0.570228	0.910632	0.62619	0.53119	0.981636	chr19	16656995	16657950	+	0	NA	intron (N	intron (N	2672	NM_001300	79086	Hs.356467	NM_024104	ENSG00000	SMIM7	C19orf42	small int	protein-coding
chr22-353	6.640605	0.570228	0.910632	0.62619	0.53119	0.981636	chr22	35321712	35322525	+	0	NA	intron (N	intron (N	-13522	NR_037471	1.01E+08		NR_037471	ENSG00000	MIR3909	mir-3909	microRNA	ncRNA
chr5-1428	9.59027	-0.47684	0.761585	-0.62611	0.531243	0.981636	chr5	14282596	14283000	+	0	NA	intron (N	intron (N	139456	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-3154	9.59027	-0.47684	0.761585	-0.62611	0.531243	0.981636	chr5	31540755	31542159	+	0	NA	intron (N	intron (N	9156	NM_018356	55322	Hs.519246	NM_018356	ENSG00000	C5orf22	-	chromosom	protein-coding
chr1-2042	7.725768	0.524684	0.838295	0.625894	0.531384	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-16228	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|G	golgi tra	protein-coding
chr6-3488	10.88176	-0.46576	0.744157	-0.62589	0.53139	0.981636	chr6	34884323	34884698	+	0	NA	intron (N	L1PA12|LI	3532	NM_005643	6882	Hs.112444	NM_005643	ENSG00000	TAF11	MGC:15243	TATA-box	protein-coding
chr16-701	14.6473	0.390371	0.623769	0.625826	0.531429	0.981636	chr16	70125769	70130889	+	0	NA	intron (N	AluSx|SIN	14703	NM_001322	55066	Hs.744043	NM_017990	ENSG00000	PDPR	PDP3	pyruvate	protein-coding
chr5-7094	7.75905	0.527969	0.843777	0.625721	0.531498	0.981636	chr5	70947938	70948582	+	0	NA	intron (N	L1MB8|LIN	23319	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr8-2915	7.75905	0.527969	0.843777	0.625721	0.531498	0.981636	chr8	29155044	29155592	+	0	NA	intron (N	intron (N	107752	NM_015254	23303	Hs.444767	NM_015254	ENSG00000	KIF13B	GAKIN	kinesin f	protein-coding
chr12-575	10.38387	0.45603	0.72897	0.625581	0.53159	0.981636	chr12	57524781	57525222	+	0	NA	exon (NM_	exon (NM_	2177	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr2-2022	10.38387	0.45603	0.72897	0.625581	0.53159	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	7335	NM_001005	7341	Hs.81424	NM_003352	ENSG00000	SUMO1	DAP1|GMP1	small ubi	protein-coding
chr10-750	9.623552	-0.47294	0.756025	-0.62556	0.531605	0.981636	chr10	75030504	75031060	+	0	NA	exon (NM_	exon (NM_	9049	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr10-933	9.623552	-0.47294	0.756025	-0.62556	0.531605	0.981636	chr10	93312423	93312779	+	0	NA	intron (N	AluSz6|SI	169733	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr5-3714	9.623552	-0.47294	0.756025	-0.62556	0.531605	0.981636	chr5	37143622	37145278	+	0	NA	intron (N	intron (N	-104596	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr16-145	7.172324	0.555465	0.888797	0.624963	0.531995	0.981636	chr16	14552387	14552802	+	0	NA	intron (N	AluSx3|SI	77666	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr9-1108	9.120955	-0.4953	0.792607	-0.6249	0.532036	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	138993	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-132	7.71791	0.526802	0.843078	0.624856	0.532066	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5143	NM_175066	317781	Hs.445168	NM_175066	ENSG00000	DDX51	-	DEAD-box	protein-coding
chr14-391	7.71791	0.526802	0.843078	0.624856	0.532066	0.981636	chr14	39162582	39163304	+	0	NA	intron (N	L2a|LINE|	7390	NM_001079	122553	Hs.13303	NM_177452	ENSG00000	TRAPPC6B	NEDMEBA|T	trafficki	protein-coding
chr17-756	7.71791	0.526802	0.843078	0.624856	0.532066	0.981636	chr17	7563493	7564540	+	0	NA	intron (N	intron (N	2024	NR_037926	1.01E+08	Hs.129673	NR_037926		SENP3-EIF	-	SENP3-EIF	ncRNA
chr13-995	10.36816	0.459048	0.734679	0.624828	0.532084	0.981636	chr13	99518075	99518338	+	0	NA	intron (N	AluSz|SIN	16734	NM_004800	9375	Hs.607896	NM_004800	ENSG00000	TM9SF2	P76	transmemb	protein-coding
chr5-1068	6.865418	-0.5748	0.920117	-0.6247	0.532168	0.981636	chr5	10683112	10683330	+	0	NA	intron (N	intron (N	78013	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr10-731	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr10	73128394	73129397	+	0	NA	intron (N	L1MA10|LI	-2688	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr11-108	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L2c|LINE|	83572	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-875	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr12	8753077	8753884	+	0	NA	intron (N	intron (N	55489	NR_147949	57494	Hs.504670	NM_020734	ENSG00000	RIMKLB	FAM80B|NA	ribosomal	protein-coding
chr3-1126	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-1758	NR_109779	1.01E+08	Hs.86538	NR_109779		LINC01279	-	long inte	ncRNA
chr4-1322	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr4	1322566	1323193	+	0	NA	intron (N	intron (N	13088	NM_001297	10296	Hs.139896	NM_005882	ENSG00000	MAEA	EMLP|EMP|	macrophag	protein-coding
chr4-7783	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr4	7783509	7783735	+	0	NA	intron (N	intron (N	29532	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr7-1021	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz|SIN	-171669	NM_020979	10603	Hs.489448	NM_020979	ENSG00000	SH2B2	APS	SH2B adap	protein-coding
chr9-1347	5.196605	-0.63842	1.022517	-0.62436	0.53239	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	64591	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr9-4380	13.5797	0.406057	0.650389	0.62433	0.532411	0.981636	chr9	43808182	43808553	+	0	NA	Intergeni	ALR/Alpha	682201	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-960	19.35647	0.344419	0.551701	0.624285	0.53244	0.981636	chr19	9607785	9619818	+	0	NA	intron (N	AluSx1|SI	7431	NM_152289	93134	Hs.720081	NM_152289	ENSG00000	ZNF561	-	zinc fing	protein-coding
chr11-626	10.91374	0.443683	0.710773	0.624226	0.532479	0.981636	chr11	62632025	62632839	+	0	NA	intron (N	intron (N	7786	NM_001329	23193	Hs.595071	NM_014610	ENSG00000	GANAB	G2AN|GIIA	glucosida	protein-coding
chr18-345	10.91374	0.443683	0.710773	0.624226	0.532479	0.981636	chr18	3456201	3459521	+	0	NA	exon (NM_	exon (NM_	4087	NM_173211	7050	Hs.373550	NM_003244	ENSG00000	TGIF1	HPE4|TGIF	TGFB indu	protein-coding
chr11-337	7.154759	0.547466	0.877067	0.624201	0.532495	0.981636	chr11	33728926	33729398	+	0	NA	intron (N	L1PA7|LIN	-6210	NM_001127	966	Hs.278573	NM_000611	ENSG00000	CD59	16.3A5|1F	CD59 mole	protein-coding
chr12-252	7.154759	0.547466	0.877067	0.624201	0.532495	0.981636	chr12	25206607	25207743	+	0	NA	3’ UTR (N	3’ UTR (N	11938	NM_001001	144363	Hs.209151	NM_001001	ENSG00000	ETFRF1	LYRM5	electron	protein-coding
chr2-1085	7.154759	0.547466	0.877067	0.624201	0.532495	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	28360	NR_135290	644903		NM_032658	ENSG00000	GCC2-AS1	-	GCC2 anti	ncRNA
chr8-1704	7.154759	0.547466	0.877067	0.624201	0.532495	0.981636	chr8	17045387	17046391	+	0	NA	intron (N	THE1B|LTR	18651	NR_146233	286097	Hs.403594	NM_181723	ENSG00000	MICU3	EFHA2	mitochond	protein-coding
chr5-4774	18.85988	0.349808	0.560519	0.624079	0.532576	0.981636	chr5	47749015	47750100	+	0	NA	Intergeni	ALR/Alpha	-2053177	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr8-4312	8.440509	0.542909	0.870536	0.623649	0.532858	0.981636	chr8	43120410	43120828	+	0	NA	intron (N	AluJr|SIN	-19845	NM_001363	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr5-1381	10.42501	0.456936	0.73294	0.623429	0.533003	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	12782	NM_006696	10902	Hs.519337	NM_006696	ENSG00000	BRD8	SMAP|SMAP	bromodoma	protein-coding
chr10-102	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	31303	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr16-856	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr16	85662153	85665226	+	0	NA	intron (N	intron (N	25265	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|F	GINS comp	protein-coding
chr19-381	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr19	38120496	38120846	+	0	NA	intron (N	L1MEh|LIN	-42425	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr6-3140	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr6	3140312	3141090	+	0	NA	intron (N	intron (N	16843	NM_001310	7280	Hs.654543	NM_001069	ENSG00000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr6-4300	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr6	43006711	43007780	+	0	NA	exon (NM_	exon (NM_	6701	NM_014623	4201	Hs.278362	NM_014623	ENSG00000	MEA1	HYS|MEA	male-enha	protein-coding
chr6-1523	7.733626	0.522639	0.83843	0.623354	0.533052	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSz|SIN	-27857	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA

chr1-1627	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	L1MC5a|LI	-27070	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1839	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	MIRc|SINE	115786	NM_001303	23127	Hs.387995	NM_015101	ENSG00000	COLGALT2	C1orf17|C	collagen	protein-coding
chr10-996	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr10	99685732	99686432	+	0	NA	intron (N	intron (N	26453	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr10-102	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSg7|SI	17008	NM_004311	403	Hs.182215	NM_004311	ENSG00000	ARL3	ARFL3|JBT	ADP ribos	protein-coding
chr10-125	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	-4554	NR_039704	1.01E+08		NR_039704	ENSG00000	MIR4484	mir-4484	microRNA	ncRNA
chr11-655	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr11	65551964	65552598	+	0	NA	exon (NM_	exon (NM_	5947	NM_021070	4054	Hs.289019	NM_021070	ENSG00000	LTBP3	DASS|GPHY	latent tr	protein-coding
chr15-963	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr15	96337278	96338438	+	0	NA	3' UTR (N	3' UTR (N	4093	NM_001145	7026	Hs.347991	NM_021005	ENSG00000	NR2F2	ARP-1|ARF	nuclear r	protein-coding
chr17-276	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr17	27608596	27615384	+	0	NA	intron (N	intron (N	-19198	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr17-584	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr17	58488323	58488623	+	0	NA	promoter-	promoter-	-65	NM_001080	124535	Hs.380061	NM_001080	ENSG00000	HSF5	HSF 5|HST	heat shoc	protein-coding
chr17-760	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr17	76084578	76086714	+	0	NA	intron (N	intron (N	6464	NM_180990	353174	Hs.714919	NM_180990	ENSG00000	ZACN	L2|LGICZ|	zinc acti	protein-coding
chr19-103	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr19	10367236	10370072	+	0	NA	intron (N	MLT1J2|LT	11918	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr19-205	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr19	20545279	20548280	+	0	NA	intron (N	AluJr4|SI	19002	NM_001159	1E+08	Hs.515696	NM_001159	ENSG00000	ZNF737	ZNF102	zinc fing	protein-coding
chr19-357	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr19	35753157	35754070	+	0	NA	TTS (NM_1	TTS (NM_1	3416	NM_144617	126393	Hs.534538	NM_144617	ENSG00000	HSPB6	HEL55|Hsp	heat shoc	protein-coding
chr19-360	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr19	36024542	36028643	+	0	NA	exon (NM_	exon (NM_	6043	NM_001199	25999	Hs.466539	NM_015526	ENSG00000	CLIP3	CLIPR-59|	CAP-Gly c	protein-coding
chr2-1591	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	7690	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2178	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	exon (NM_	exon (NM_	2752	NR_106867	1.02E+08		NR_106867	ENSG00000	MIR6809	hsa-mir-6	microRNA	ncRNA
chr3-3303	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr3	33033892	33034397	+	0	NA	intron (N	intron (N	62688	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr5-2133	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr5	213352	214202	+	0	NA	intron (N	L1MD1|LIN	4376	NM_145265	133957	Hs.294145	NM_145265	ENSG00000	CCDC127	-	coiled-cc	protein-coding
chr5-1195	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr5	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	77540	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr6-4301	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr6	43010610	43012192	+	0	NA	TTS (NM_0	TTS (NM_0	2545	NM_014623	4201	Hs.278362	NM_014623	ENSG00000	MEA1	HYS|MEA	male-enha	protein-coding
chr7-5708	7.178332	0.540846	0.868907	0.622444	0.53365	0.981636	chr7	5708300	5709201	+	0	NA	intron (N	intron (N	3160	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr1-2733	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr1	27334143	27335484	+	0	NA	intron (N	intron (N	-7209	NM_001193	84958	Hs.469175	NM_032872	ENSG00000	SYTL1	JFC1|SLP1	synaptota	protein-coding
chr1-4665	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr1	46657753	46658642	+	0	NA	intron (N	intron (N	7681	NM_001256	64756	Hs.100874	NM_022745	ENSG00000	ATPAF1	ATP11|ATF	ATP synth	protein-coding
chr1-2263	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	39067	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADF	poly(ADP-	protein-coding
chr14-776	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr14	77672555	77674141	+	0	NA	3' UTR (N	3' UTR (N	34675	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homc	protein-coding
chr14-814	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr14	81480680	81481145	+	0	NA	intron (N	Charlie2a	-30755	NR_109999	1.01E+08	Hs.116304	NR_109999	ENSG00000	LINC02308	-	long inte	ncRNA
chr17-489	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr17	4892253	4893697	+	0	NA	intron (N	intron (N	-6561	NM_001145	1E+08	Hs.579243	NM_001145	ENSG00000	C17orf107	-	chromosom	protein-coding
chr2-1272	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr2	12727463	12729589	+	0	NA	intron (N	intron (N	-8841	NR_036072	1E+08		NR_036072	ENSG00000	MIR3125	mir-3125	microRNA	ncRNA
chr20-516	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr20	51673310	51676674	+	0	NA	intron (N	AluSx1|SI	93398	NM_006045	10079	Hs.649234	NM_006045	ENSG00000	ATP9A	ATPIIA	ATPase ph	protein-coding
chr22-293	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr22	29328241	29329218	+	0	NA	3' UTR (N	3' UTR (N	4529	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr22-376	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr22	37650245	37653327	+	0	NA	intron (N	intron (N	6591	NR_109952	1.02E+08		NR_109952	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-1571	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	127311	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6c	transmemb	protein-coding
chr9-1047	7.211614	0.544183	0.874328	0.622402	0.533678	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	MIR|SINE|	36183	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIF	nipsnap h	protein-coding
chr11-351	12.34055	-0.4185	0.672637	-0.62218	0.533824	0.981636	chr11	35139548	35143564	+	0	NA	intron (N	intron (N	2385	NM_001001	960	Hs.502328	NM_000610	ENSG00000	CD44	CDW44|CSF	CD44 mole	protein-coding
chr12-911	12.34055	-0.4185	0.672637	-0.62218	0.533824	0.981636	chr12	91160045	91176029	+	0	NA	intron (N	AluSc8|SI	10609	NM_133506	1634	Hs.156316	NM_001920	ENSG00000	DCN	CSCD|DSPC	decorin	protein-coding
chr15-630	12.34055	-0.4185	0.672637	-0.62218	0.533824	0.981636	chr15	63056408	63069593	+	0	NA	intron (N	intron (N	-13613	NR_147233	1.11E+08	Hs.602995	NR_147233		TPM1-AS	TPM1-AS1	TPM1 anti	ncRNA
chr5-9553	12.34055	-0.4185	0.672637	-0.62218	0.533824	0.981636	chr5	95539343	95541849	+	0	NA	intron (N	L1M5|LINE	14409	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr1-1517	10.95488	0.444612	0.714635	0.622153	0.533842	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-1526	NM_001134	51686	Hs.713789	NM_016178	ENSG00000	OAZ3	AZ3|OAZ-t	ornithine	protein-coding
chr19-521	10.95488	0.444612	0.714635	0.622153	0.533842	0.981636	chr19	5213910	5214603	+	0	NA	intron (N	intron (N	126556	NM_130854	5802	Hs.744928	NM_002850	ENSG00000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr6-2836	10.95488	0.444612	0.714635	0.622153	0.533842	0.981636	chr6	28364466	28366939	+	0	NA	exon (NM_	exon (NM_	-9431	NM_001135	64288	Hs.656413	NM_030899	ENSG00000	ZSCAN31	ZNF20-Lp|	zinc fing	protein-coding
chr20-279	32.87025	0.310905	0.499734	0.622141	0.533849	0.981636	chr20	27957889	27958096	+	0	NA	Intergeni	ALR/Alpha	644673	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1508	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx|SIN	-6389	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTSO2|CTS	cathepsin	protein-coding
chr1-1567	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-15523	NM_001007	4914	Hs.406293	NM_002529	ENSG00000	NTRK1	MTC|TRK|T	neurotrop	protein-coding
chr1-1739	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	13340	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-2066	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	4376	NM_001004	8444	Hs.164267	NM_003582	ENSG00000	DYRK3	DYRK5|RED	dual spec	protein-coding
chr1-2238	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	42362	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASF	tumor pro	protein-coding
chr1-2295	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	31390	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr12-133	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	23749	NM_001256	7574	Hs.489608	NM_019591	ENSG00000	ZNF26	HEL-179|K	zinc fing	protein-coding
chr17-186	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr17	18667212	18674896	+	0	NA	3' UTR (N	3' UTR (N	11260	NM_001368	2310	Hs.592126	NM_001368134		FOXO3B	FKHRL1P1|	forkhead	protein-coding
chr2-2622	10.9216	0.442243	0.710982	0.622017	0.533931	0.981636	chr2	26224708	26238865	+	0	NA	intron (N	AluSx|SIN	12846	NM_000182	3030	Hs.516032	NM_000182	ENSG00000	HADHA	ECHA|GBP|	hydroxyac	protein-coding
chr18-801	6.980978	-0.56143	0.902774	-0.62189	0.534015	0.981636	chr18	80118720	80119418	+	0	NA	intron (N	L1ME4a|LI	9807	NM_014913	22850	Hs.131915	NM_014913	ENSG00000	ADNP2	ZNF508	ADNP home	protein-coding
chr1-3087	14.18399	0.401125	0.645054	0.621847	0.534042	0.981636	chr1	30871906	30874366	+	0	NA	3' UTR (N	3' UTR (N	35622	NM_014654	9672	Hs.158287	NM_014654	ENSG00000	SDC3	SDCN|SYND	syndecan	protein-coding
chr17-590	9.664691	-0.47037	0.756518	-0.62176	0.534101	0.981636	chr17	59089122	59089330	+	0	NA	intron (N	AluJb|SIN	17654	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr19-387	9.664691	-0.47037	0.756518	-0.62176	0.534101	0.981636	chr19	38703606	38703808	+	0	NA	intron (N	L2a|LINE|	40767	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr20-343	9.664691	-0.47037	0.756518	-0.62176	0.534101	0.981636	chr20	34398153	34398551	+	0	NA	intron (N	AluJo|SIN	35079	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr20-558	4.999251	0.641722	1.03231	0.621637	0.53418	0.981636	chr20	5585205	5586044	+	0	NA	intron (N	A-rich|Lo	25382	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr8-1197	4.999251	0.641722	1.03231	0.621637	0.53418	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	MER2|DNA|	55847	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr2-3318	7.334732	-0.54518	0.877474	-0.6213	0.5344	0.981636	chr2	33185219	33185418	+	0	NA	intron (N	intron (N	50721	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr1-3974	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr1	39747489	39752850	+	0	NA	intron (N	L2b|LINE|	11324	NR_036543	10450	Hs.524690	NM_006112	ENSG00000	PPIE	CYP-33|CY	peptidylp	protein-coding
chr12-133	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	7282	NM_015394	7556	Hs.573983	NM_015394	ENSG00000	ZNF10	KOX1	zinc fing	protein-coding
chr13-200	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr13	20012037	20012324	+	0	NA	intron (N	AluSz|SIN	52366	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr14-733	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr14	73364655	73365021	+	0	NA	intron (N	AluJr|SIN	93742	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endo	protein-coding
chr15-681	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr15	68181464	68182518	+	0	NA	intron (N	intron (N	24119	NM_033429	91860	Hs.709550	NM_033429	ENSG00000	CALML4	NY-BR-20	calmoduli	protein-coding
chr15-996	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr15	99640594	99641635	+	0	NA	intron (N	intron (N	8136	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr16-145	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr16	14541850	14542775	+	0	NA	intron (N	AluJr|SIN	87948	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr18-293	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr18	2937209	2939609	+	0	NA	intron (N	AluSx1|SI	8214	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr18-235	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr18	23568491	23570178	+	0	NA	intron (N	intron (N	17172	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr19-344	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr19	3446304	3447732	+	0	NA	intron (N	AluSx1|SI	33507	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr2-2031	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx1|SI	-38306	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr22-428	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr22	42883275	42884348	+	0	NA	intron (N	AluSc|SIN	-26538	NM_001142	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr4-3718	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr4	371823	374288	+	0	NA	exon (NM_	exon (NM_	22898	NR_030297	693156		NR_030297	ENSG00000	MIR571	MIRN571|h	microRNA	ncRNA
chr4-4204	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr4	42042899	42044495	+	0	NA	intron (N	L1PA7|LIN	53167	NM_006345	10463	Hs.479634	NM_006345	ENSG00000	SLC30A9	BILAPES|C	solute ca	protein-coding
chr6-3730	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr6	37302709	37303737	+	0	NA	intron (N	MLT1J|LTR	-45068	NM_001286	221468	Hs.520101	NM_145316	ENSG00000	TMEM217	C6orf128|	transmemb	protein-coding
chr6-1579	7.700344	0.519426	0.836229	0.621153	0.534499	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-44999	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr1-6261	11.46903	0.436237	0.702379	0.621085	0.534543	0.981636	chr1	62610669	62611168	+	0	NA	intron (N	L1PA7|LIN	13398	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANC	angiopoie	protein-coding
chr10-495	6.74045	0.580793	0.935468	0.620858	0.534693	0.981636	chr10	49524301	49524815	+	0	NA	promoter-	promoter-	-277	NM_170753	267004	Hs.49063	NM_170753	ENSG00000	PGBD3	-	piggyBac	protein-coding
chr1-3975	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr1	39753799	39754025	+	0	NA	non-codin	non-codin	15067	NR_036543	10450	Hs.524690	NM_006112	ENSG00000	PPIE	CYP-33|CY	peptidylp	protein-coding
chr10-864	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr10	86457125	86459602	+	0	NA	intron (N	intron (N	63421	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAAC	WAPL cohe	protein-coding
chr10-918	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr10	91862306	91863390	+	0	NA	intron (N	intron (N	46638	NM_152429	143282	Hs.466120	NM_152429	ENSG00000	FGFBP3	C10orf13|	fibroblas	protein-coding
chr12-120	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2822	NM_001037	8655	Hs.5120	NM_003746	ENSG00000	DYNLL1	DLC1|DLC8	dynein li	protein-coding
chr16-670	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr16	67037004	67037756	+	0	NA	intron (N	intron (N	8231	NM_001368	865	Hs.460988	NM_001755	ENSG00000	CBFB	PEBP2B	core-binc	protein-coding
chr19-313	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr19	31320497	31320696	+	0	NA	intron (N	intron (N	28840	NR_138036	57616	Hs.278436	NM_020856	ENSG00000	TSHZ3	TSH3|ZNF5	teashirt	protein-coding
chr2-2031	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr2	20318241	20319500	+	0	NA	intron (N	intron (N	8516	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio F	protein-coding
chr2-3314	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr2	33143074	33144175	+	0	NA	intron (N	intron (N	9027	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-3330	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr2	33308621	33312268	+	0	NA	intron (N	MIRb|SINE	-108072	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1819	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-23414	NR_048567	151242	Hs.10941	NM_001080	ENSG00000	PPP1R1C	IPP5	protein p	protein-coding
chr21-327	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr21	32739500	32739898	+	0	NA	intron (N	AluYk4|SI	11585	NR_038880	1.01E+08	Hs.657123	NR_038879	ENSG00000	PAXBP1-AS	GCFC1-AS1	PAXBP1 an	ncRNA
chr22-208	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr22	20872181	20872410	+	0	NA	intron (N	AluSq2|SI	13288	NM_004782	9342	Hs.108002	NM_004782	ENSG00000	SNAP29	CEDNIK|SN	synaptosc	protein-coding
chr4-3989	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr4	39894070	39894391	+	0	NA	intron (N	AluJb|SIN	83681	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr5-1110	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	3710	NM_139281	134430	Hs.533237	NM_139281	ENSG00000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr8-1131	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr8	11319606	11319844	+	0	NA	exon (NM_	exon (NM_	-11261	NM_054028	83650	Hs.458397	NM_054028	ENSG00000	SLC35G5	AMAC|AMAC	solute ca	protein-coding
chr9-3794	7.393437	-0.53297	0.85861	-0.62073	0.534776	0.981636	chr9	37946492	37947043	+	0	NA	intron (N	intron (N	-42414	NR_024872	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr14-391	6.681744	0.571194	0.920709	0.620385	0.535004	0.981636	chr14	39141535	39142483	+	0	NA	Intergeni	THE1A-int	27725	NM_003616	8487	Hs.652307	NM_003616	ENSG00000	GEMIN2	SIP1|SIP1	gem nucle	protein-coding
chr5-5599	9.900137	-0.5089	0.820433	-0.62028	0.535074	0.981636	chr5	55991020	55991219	+	0	NA	intron (N	L1PA5|LIN	3844	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr11-134	9.615694	-0.47157	0.760368	-0.62018	0.535139	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	LTR12|LTR	36130	NM_015261	23310	Hs.438550	NM_015261	ENSG00000	NCAPD3	CAP-D3|CA	non-SMC c	protein-coding
chr2-3248	9.615694	-0.47157	0.760368	-0.62018	0.535139	0.981636	chr2	32482933	32484254	+	0	NA	intron (N	L1MC4|LIN	-48560	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr3-5841	9.615694	-0.47157	0.760368	-0.62018	0.535139	0.981636	chr3	58412899	58413136	+	0	NA	intron (N	intron (N	20815	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr1-4368	7.692486	0.521503	0.841004	0.620096	0.535195	0.981636	chr1	43682122	43684528	+	0	NA	intron (N	intron (N	24016	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr10-687	7.692486	0.521503	0.841004	0.620096	0.535195	0.981636	chr10	68783426	68783874	+	0	NA	intron (N	Tigger1|D	28478	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr17-632	7.692486	0.521503	0.841004	0.620096	0.535195	0.981636	chr17	63295780	63296494	+	0	NA	intron (N	L1MB5|LIN	144130	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-2186	7.692486	0.521503	0.841004	0.620096	0.535195	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	3' UTR (N	3' UTR (N	4143	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr20-639	7.692486	0.521503	0.841004	0.620096	0.535195	0.981636	chr20	63962564	63964318	+	0	NA	intron (N	CpG-18143	6489	NM_020713	57473	Hs.740578	NM_020713	ENSG00000	ZNF512B	GM632	zinc fing	protein-coding
chr1-9322	7.442435	-0.53126	0.857181	-0.61977	0.535408	0.981636	chr1	93220549	93221012	+	0	NA	intron (N	L1PA11|LI	40064	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-cc	protein-coding
chr16-821	7.442435	-0.53126	0.857181	-0.61977	0.535408	0.981636	chr16	82143088	82144756	+	0	NA	Intergeni	L1PA2|LIN	26302	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr2-1145	7.442435	-0.53126	0.857181	-0.61977	0.535408	0.981636	chr2	11450885	11451525	+	0	NA	intron (N	intron (N	14956	NR_103490	1876	Hs.603093	NM_198256	ENSG00000	E2F6	E2F-6	E2F trans	protein-coding
chr3-1056	7.309308	-0.55256	0.892211	-0.61931	0.53571	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	MER5A|DNA	193555	NM_001321	868	Hs.430589	NM_170662	ENSG00000	CBLB	Cbl-b|Nbl	Cbl proto	protein-coding
chr1-7865	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr1	78654034	78656162	+	0	NA	non-codin	non-codin	5267	NM_006417	10561	Hs.82316	NM_006417	ENSG00000	IFI44	MTAP44|TL	interferc	protein-coding
chr12-121	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	13222	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr14-102	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	61504	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr19-534	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr19	53487060	53487539	+	0	NA	intron (N	L1M4c|LIN	19566	NM_001004	126017	Hs.710780	NM_001004	ENSG00000	ZNF813	-	zinc fing	protein-coding
chr2-2373	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	15987	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr3-4456	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr3	44564604	44565108	+	0	NA	intron (N	AluSx|SIN	9663	NM_018651	55888	Hs.529512	NM_018651	ENSG00000	ZKSCAN7	ZFP|ZNF16	zinc fing	protein-coding
chr4-1479	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	AluSq2|SI	165597	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr6-3074	7.434577	-0.52958	0.855416	-0.61909	0.535857	0.981636	chr6	30740372	30741313	+	0	NA	intron (N	(T)n|Simp	1845	NM_005803	10211	Hs.179986	NM_005803	ENSG00000	FLOT1	-	flotillin	protein-coding
chr2-1771	7.360156	-0.53812	0.869299	-0.61903	0.535899	0.981636	chr2	17716101	17716413	+	0	NA	exon (NM_	exon (NM_	37553	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr11-711	6.648463	0.567637	0.917136	0.618923	0.535967	0.981636	chr11	71110721	71110935	+	0	NA	intron (N	MLT1A0|LT	113968	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CC	SH3 and m	protein-coding
chr12-132	6.648463	0.567637	0.917136	0.618923	0.535967	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	20458	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr15-996	6.648463	0.567637	0.917136	0.618923	0.535967	0.981636	chr15	99633792	99634296	+	0	NA	intron (N	intron (N	1066	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr3-4930	6.648463	0.567637	0.917136	0.618923	0.535967	0.981636	chr3	49309373	49310142	+	0	NA	intron (N	AluSq2|SI	30296	NM_001251	7375	Hs.77500	NM_003363	ENSG00000	USP4	UNP|Unph	ubiquitin	protein-coding
chr18-459	9.582412	-0.47548	0.768345	-0.61884	0.53602	0.981636	chr18	45950373	45950698	+	0	NA	intron (N	THE1A|LTR	16794	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr14-320	11.44361	0.432508	0.698926	0.618818	0.536036	0.981636	chr14	32090642	32091388	+	0	NA	exon (NM_	exon (NM_	13711	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoG	Rho GTPas	protein-coding
chr1-1665	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr1	1665245	1674746	+	0	NA	intron (N	intron (N	-10991	NM_001787	984	Hs.651228	NM_001787	ENSG00000	CDK11B	CDC2L1|CD	cyclin de	protein-coding
chr1-1677	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	46828	NM_024569	9019	Hs.493919	NM_003953	ENSG00000	MPZL1	MPZL1b|PZ	myelin pr	protein-coding

chr1-2258	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	13657	NM_014698	9725	Hs.119387	NM_014698	ENSG00000	TMEM63A	KIAA0792	transmemb	protein-coding
chr11-703	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr11	70348459	70349778	+	0	NA	intron (N	intron (N	-49388	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-194	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr12	19493881	19495843	+	0	NA	intron (N	intron (N	54263	NM_001267	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr12-269	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr12	26994076	26995806	+	0	NA	intron (N	intron (N	19443	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr12-960	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr12	96007907	96013224	+	0	NA	intron (N	L2b|LINE|	-14200	NM_001258	3034	Hs.190783	NM_002108	ENSG00000	HAL	HIS|HSTD	histidine	protein-coding
chr12-122	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSq2|SI	-32911	NM_152759	254050	Hs.374856	NM_152759	ENSG00000	LRRC43	-	leucine r	protein-coding
chr15-493	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr15	49304043	49305049	+	0	NA	intron (N	MLT1I|LTR	-118696	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr15-756	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr15	75604659	75611208	+	0	NA	intron (N	L2c|LINE|	17792	NM_005701	10073	Hs.21577	NM_005701	ENSG00000	SNUPN	KPNBL|RNU	snurporti	protein-coding
chr16-163	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr16	1632491	1635392	+	0	NA	intron (N	AluSc|SIN	19301	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-755	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr16	75567932	75571577	+	0	NA	intron (N	intron (N	3375	NM_007285	11345	Hs.461379	NM_007285	ENSG00000	GABARAPL2	ATG8|ATG8	GABA type	protein-coding
chr16-755	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr16	75577177	75579922	+	0	NA	TTS (NM_0	TTS (NM_0	12170	NM_007285	11345	Hs.461379	NM_007285	ENSG00000	GABARAPL2	ATG8|ATG8	GABA type	protein-coding
chr17-297	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr17	29756735	29757119	+	0	NA	intron (N	AluSx3|SI	4505	NM_001282	85464	Hs.654754	NM_033389	ENSG00000	SSH2	SSH-2|SSH	slingshot	protein-coding
chr17-505	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr17	50550412	50550914	+	0	NA	intron (N	intron (N	3489	NM_022827	64847	Hs.103147	NM_022827	ENSG00000	SPATA20	HEL-S-98|	spermatog	protein-coding
chr19-932	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr19	9326329	9334282	+	0	NA	intron (N	L1M3c|LIN	5610	NM_001202	1.01E+08	Hs.728944	NM_001172	ENSG00000	ZNF559-ZN	-	ZNF559-ZN	protein-coding
chr19-477	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr19	47781130	47785571	+	0	NA	intron (N	AluY|SINE	4647	NM_003009	6415	Hs.631549	NM_003009	ENSG00000	SELENOW	SEPW1|sel	selenopro	protein-coding
chr20-351	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr20	35140281	35143277	+	0	NA	intron (N	MER5B|DNA	5557	NM_001145	55741	Hs.720177	NM_018217	ENSG00000	EDEM2	C20orf31|	ER degrad	protein-coding
chr20-354	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr20	35493921	35500391	+	0	NA	intron (N	intron (N	32496	NR_026933	140873	Hs.158680	NM_080828	ENSG00000	C20orf173	dJ47704.4	chromosom	protein-coding
chr22-216	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr22	21683169	21683603	+	0	NA	intron (N	intron (N	17374	NM_148175	23759	Hs.438587	NM_014337	ENSG00000	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr3-4972	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr3	49727016	49728415	+	0	NA	intron (N	intron (N	-3741	NM_013334	29925	Hs.567488	NM_013334	ENSG00000	GMPPB	LGMDR19|M	GDP-manno	protein-coding
chr3-1342	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	39922	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr3-1976	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-8610	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr4-7852	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr4	7852899	7855337	+	0	NA	intron (N	intron (N	18190	NM_001371090								
chr4-7078	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr4	70782706	70785706	+	0	NA	intron (N	AluSz|SIN	49796	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr5-6560	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr5	65606159	65612785	+	0	NA	intron (N	intron (N	14861	NM_001656	373	Hs.792	NM_001656	ENSG00000	TRIM23	ARD1|ARFD	tripartit	protein-coding
chr6-3018	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr6	30188646	30190477	+	0	NA	intron (N	intron (N	23845	NM_001242	7726	Hs.485041	NM_003449	ENSG00000	TRIM26	AFP|RNF95	tripartit	protein-coding
chr6-3088	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr6	30889164	30890694	+	0	NA	promoter-	promoter-	-954	NR_039783	1.01E+08		NR_039783	ENSG00000	MIR4640	-	microRNA	ncRNA
chr6-4313	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr6	43130930	43135146	+	0	NA	intron (N	MIRc|SINE	-38231	NM_003131	6722	Hs.520140	NM_003131	ENSG00000	SRF	MCM1	serum res	protein-coding
chr7-1301	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-11234	NR_149033	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr9-7970	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr9	79705357	79711467	+	0	NA	intron (N	L2a|LINE|	-116118	NR_121213	1.02E+08	Hs.571630	NR_121212		LINC01507	XLOC_0003	long inte	ncRNA
chr9-1334	7.708202	0.517387	0.836363	0.618615	0.53617	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	promoter-	promoter-	-119	NR_024514	11093	Hs.131433	NM_139025	ENSG00000	ADAMTS13	ADAM-TS13	ADAM meta	protein-coding
chr1-1461	13.65412	0.408664	0.660639	0.618589	0.536187	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-11733	NM_001039	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr12-781	10.10072	-0.4576	0.740301	-0.61812	0.536493	0.981636	chr12	78168630	78169105	+	0	NA	intron (N	intron (N	190879	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr1-1627	10.88832	0.439875	0.712105	0.617711	0.536766	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-14587	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr19-531	10.88832	0.439875	0.712105	0.617711	0.536766	0.981636	chr19	53108234	53109801	+	0	NA	exon (NM_	exon (NM_	-5583	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr16-466	4.694009	-0.70004	1.133565	-0.61755	0.536871	0.981636	chr16	46698541	46698781	+	0	NA	TTS (NM_0	TTS (NM_0	9002	NM_014321	23594	Hs.49760	NM_014321	ENSG00000	ORC6	ORC6L	origin re	protein-coding
chr1-1490	10.92946	0.440791	0.713995	0.617359	0.536998	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	11855	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr14-102	7.741484	0.520617	0.843487	0.61722	0.53709	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSz|SIN	28062	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr22-219	7.741484	0.520617	0.843487	0.61722	0.53709	0.981636	chr22	21962341	21962969	+	0	NA	intron (N	intron (N	-9807	NM_014634	9647	Hs.112728	NM_014634	ENSG00000	PPM1F	CAMKP|CaM	protein p	protein-coding
chr8-1436	7.741484	0.520617	0.843487	0.61722	0.53709	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	1734	NM_001317	7264	Hs.404119	NM_003313	ENSG00000	TSTA3	FX|P35B|S	tissue sp	protein-coding
chr6-5709	12.37383	-0.41549	0.673538	-0.61687	0.537319	0.981636	chr6	57098364	57103021	+	0	NA	exon (NM_	exon (NM_	10504	NM_001031	26036	Hs.485628	NM_015555	ENSG00000	ZNF451	COASTER|c	zinc fing	protein-coding
chr10-176	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr10	17699209	17700307	+	0	NA	intron (N	intron (N	-52443	NM_001098	653567	Hs.564139	NM_001013	ENSG00000	TMEM236	FAM23A|FA	transmemb	protein-coding
chr11-680	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr11	68064693	68065158	+	0	NA	intron (N	intron (N	20131	NR_106811	1.02E+08		NR_106811	ENSG00000	MIR6753	hsa-mir-6	microRNA	ncRNA
chr12-297	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr12	29719947	29720740	+	0	NA	intron (N	intron (N	63599	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr13-113	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	9185	NM_000820	2621	Hs.646346	NM_000820	ENSG00000	GAS6	AXLLG|AXS	growth ar	protein-coding
chr2-3202	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr2	32025082	32025458	+	0	NA	intron (N	AluSg|SIN	-14262	NR_126034	51072	Hs.444969	NM_015955	ENSG00000	MEMO1	C2orf4|CC	mediator	protein-coding
chr22-461	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr22	46104355	46105497	+	0	NA	intron (N	intron (N	-7823	NR_029478	406883		NR_029478	ENSG00000	MIRLET7A3	LET7A3|MI	microRNA	ncRNA
chr4-1381	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-36821	NR_037866	641365	Hs.435630	NR_037866	ENSG00000	LINC00616	-	long inte	ncRNA
chr7-5607	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr7	5607946	5608369	+	0	NA	Intergeni	CpG	15341	NM_003088	6624	Hs.118400	NM_003088	ENSG00000	FSCN1	FAN1|HSN|	fascin ac	protein-coding
chr7-1054	5.640496	-0.60231	0.976685	-0.61669	0.537438	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz|SIN	28589	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr1-1840	9.648975	-0.46767	0.758378	-0.61667	0.537453	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L2a|LINE|	3733	NM_001127	116461	Hs.548197	NM_052965	ENSG00000	TSEN15	C1orf19|F	tRNA spli	protein-coding
chr2-1875	9.648975	-0.46767	0.758378	-0.61667	0.537453	0.981636	chr2	1.88E+08	1.88E+08	+	0	NA	intron (N	L1PA7|LIN	15941	NM_001329	7035	Hs.516578	NM_006287	ENSG00000	TFPI	EPI|LACI|	tissue fa	protein-coding
chr10-974	9.308417	0.487701	0.790873	0.616662	0.537458	0.981636	chr10	97458998	97459300	+	0	NA	intron (N	intron (N	12974	NM_198046	84287	Hs.76662	NM_032327	ENSG00000	ZDHHC16	APH2|DHHC	zinc fing	protein-coding
chr5-4930	19.83549	0.336274	0.545469	0.616486	0.537574	0.981636	chr5	49304348	49305192	+	0	NA	Intergeni	ALR/Alpha	1136518	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-7554	4.451815	0.682381	1.107049	0.616397	0.537633	0.981636	chr7	75549906	75550364	+	0	NA	intron (N	MIRb|SINE	-22012	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr14-392	7.137193	0.539593	0.875556	0.616286	0.537706	0.981636	chr14	39295000	39295962	+	0	NA	intron (N	HAL1|LINE	28096	NM_001354	4253	Hs.287694	NM_005930	ENSG00000	MIA2	CTAGE5|ME	MIA SH3 d	protein-coding
chr3-1442	7.137193	0.539593	0.875556	0.616286	0.537706	0.981636	chr3	14422346	14422570	+	0	NA	intron (N	intron (N	19852	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr1-1092	7.146901	0.549741	0.89205	0.616267	0.537718	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	10982	NM_006513	6301	Hs.531176	NM_006513	ENSG00000	SARS	NEDMAS|SE	seryl-tRN	protein-coding
chr2-1344	10.09102	-0.4655	0.755395	-0.61624	0.537739	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	174147	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr13-110	6.924123	-0.5614	0.911118	-0.61616	0.537786	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx|SIN	25766	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr17-697	6.924123	-0.5614	0.911118	-0.61616	0.537786	0.981636	chr17	697309	697537	+	0	NA	exon (NM_	exon (NM_	17416	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr10-691	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr10	69133757	69135226	+	0	NA	intron (N	L1M5|LINE	10313	NM_001318	9559	Hs.499925	NM_004896	ENSG00000	VPS26A	HB58|Hbet	VPS26, re	protein-coding
chr13-479	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr13	47996063	47996559	+	0	NA	intron (N	AluSq2|SI	5015	NM_003850	8803	Hs.743361	NM_003850	ENSG00000	SUCLA2	A-BETA|A-	succinate	protein-coding
chr14-103	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSp|SIN	25048	NM_001302	84334	Hs.598441	NM_001302	ENSG00000	COA8	APOP|APOP	cytochrom	protein-coding
chr19-344	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr19	34454268	34455678	+	0	NA	intron (N	L1MEd|LIN	26592	NM_005499	10054	Hs.631580	NM_005499	ENSG00000	UBA2	ARX|HRIHF	ubiquitin	protein-coding
chr4-3929	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr4	39299272	39300245	+	0	NA	intron (N	intron (N	66604	NM_001204	5981	Hs.507475	NM_002913	ENSG00000	RFC1	A1|CANVAS	replicati	protein-coding
chr5-1514	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr5	1514010	1514480	+	0	NA	intron (N	intron (N	-3389	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr6-8318	7.426719	-0.52786	0.856896	-0.61601	0.537888	0.981636	chr6	83188559	83190179	+	0	NA	intron (N	intron (N	3896	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr15-281	4.965969	0.637094	1.034547	0.615819	0.538014	0.981636	chr15	28113133	28114095	+	0	NA	exon (NM_	exon (NM_	-14299	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr14-203	4.973827	0.63388	1.029394	0.61578	0.53804	0.981636	chr14	20387064	20387757	+	0	NA	intron (N	AluSx1|SI	26091	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr19-565	4.973827	0.63388	1.029394	0.61578	0.53804	0.981636	chr19	56578492	56579953	+	0	NA	3’ UTR (N	3’ UTR (N	11754	NM_001001	388566	Hs.204449	NM_001001	ENSG00000	ZNF470	CZF-1	zinc fing	protein-coding
chr8-2873	4.973827	0.63388	1.029394	0.61578	0.53804	0.981636	chr8	28733931	28735177	+	0	NA	intron (N	AluSx|SIN	33053	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr1-4464	10.39959	0.452899	0.735496	0.615774	0.538044	0.981636	chr1	44649658	44649863	+	0	NA	exon (NM_	exon (NM_	21296	NR_145816	1.1E+08		NR_145816		SNORD145	-	small nuc	snoRNA
chr11-341	7.145051	0.537401	0.872896	0.615653	0.538124	0.981636	chr11	34136095	34137983	+	0	NA	intron (N	intron (N	31410	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr8-2636	7.145051	0.537401	0.872896	0.615653	0.538124	0.981636	chr8	26369444	26369860	+	0	NA	intron (N	AluY|SINE	13301	NR_144550	157489	Hs.586388	NR_144550	ENSG00000	SDAD1P1	-	SDA1 doma	pseudo
chr1-1679	10.89618	0.43843	0.712314	0.615501	0.538224	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluJo|SIN	-22905	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-1681	10.89618	0.43843	0.712314	0.615501	0.538224	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	13154	NM_001031	261726	Hs.209431	NM_152902	ENSG00000	TIPRL	TIP|TIP41	TOR signa	protein-coding
chr3-1877	10.89618	0.43843	0.712314	0.615501	0.538224	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	exon (NM_	exon (NM_	6441	NM_001134	604	Hs.478588	NM_001706	ENSG00000	BCL6	BCL5|BCL6	BCL6 tran	protein-coding
chr7-1079	12.36597	-0.41442	0.673321	-0.61549	0.53823	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz|SIN	10255	NM_002291	3912	Hs.650585	NM_002291	ENSG00000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr17-512	12.14079	0.445384	0.723701	0.615426	0.538274	0.981636	chr17	51286487	51286693	+	0	NA	intron (N	intron (N	26044	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WD	UTP18 sma	protein-coding
chr10-102	6.965263	-0.55762	0.906159	-0.61537	0.53831	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	6868	NM_030912	81603	Hs.336810	NM_030912	ENSG00000	TRIM8	GERP|RNF2	tripartit	protein-coding
chr4-6835	6.965263	-0.55762	0.906159	-0.61537	0.53831	0.981636	chr4	6835361	6835861	+	0	NA	intron (N	L1PA6|LIN	52879	NM_001100	9778	Hs.79276	NM_014743	ENSG00000	KIAA0232	-	KIAA0232	protein-coding
chr22-193	7.684628	0.523671	0.85109	0.615295	0.53836	0.981636	chr22	19338922	19339652	+	0	NA	intron (N	L1PBa|LIN	-47568	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr6-3019	7.684628	0.523671	0.85109	0.615295	0.53836	0.981636	chr6	30198076	30198428	+	0	NA	intron (N	MIR3|SINE	15154	NM_001242	7726	Hs.485041	NM_003449	ENSG00000	TRIM26	AFP|RNF95	tripartit	protein-coding
chr14-102	5.656212	-0.60691	0.986555	-0.61519	0.538432	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJr|SIN	15241	NM_018335	55778	Hs.743359	NM_018335	ENSG00000	ZNF839	C14orf131	zinc fing	protein-coding
chr21-360	10.96274	0.443159	0.720566	0.615016	0.538544	0.981636	chr21	36071389	36072920	+	0	NA	3’ UTR (N	3’ UTR (N	2130	NM_001757	873	Hs.88778	NM_001757	ENSG00000	CBR1	CBR|SDR21	carbonyl	protein-coding
chr3-1029	5.188747	-0.63578	1.033789	-0.615	0.538552	0.981636	chr3	10295400	10295891	+	0	NA	Intergeni	AluSz|SIN	-2698	NM_001134	51738	Hs.590080	NM_016362	ENSG00000	GHRL	MTLRP	ghrelin a	protein-coding
chr3-3302	5.188747	-0.63578	1.033789	-0.615	0.538552	0.981636	chr3	33029736	33030276	+	0	NA	intron (N	intron (N	66826	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr7-1515	5.188747	-0.63578	1.033789	-0.615	0.538552	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-48310	NM_005614	6009	Hs.283521	NM_005614	ENSG00000	RHEB	RHEB2	Ras homol	protein-coding
chr9-2091	5.188747	-0.63578	1.033789	-0.615	0.538552	0.981636	chr9	20913223	20913685	+	0	NA	intron (N	intron (N	118186	NM_001010	401494	Hs.716678	NM_001010	ENSG00000	HACD4	PTPLAD2	3-hydroxy	protein-coding
chr13-423	10.08501	-0.45503	0.739904	-0.61498	0.538565	0.981636	chr13	42300800	42301680	+	0	NA	exon (NM_	exon (NM_	29088	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr18-488	10.08501	-0.45503	0.739904	-0.61498	0.538565	0.981636	chr18	48860248	48860550	+	0	NA	3’ UTR (N	3’ UTR (N	82408	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr22-264	11.41819	0.428828	0.697344	0.614944	0.538592	0.981636	chr22	26498803	26499843	+	0	NA	exon (NM_	exon (NM_	13150	NM_012143	24144	Hs.20225	NM_012143	ENSG00000	TFIP11	NTR1|STIP	tuftelin	protein-coding
chr1-2036	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluSz|SIN	-33596	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNO	small nuc	snoRNA
chr10-956	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr10	95636044	95637726	+	0	NA	intron (N	MIR|SINE|	19826	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr11-458	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr11	45811301	45811684	+	0	NA	3’ UTR (N	3’ UTR (N	6402	NM_018389	55343	Hs.12211	NM_018389	ENSG00000	SLC35C1	CDG2C|FUC	solute ca	protein-coding
chr11-478	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr11	47802677	47804024	+	0	NA	intron (N	intron (N	-36009	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr12-252	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr12	25237188	25237692	+	0	NA	intron (N	L2c|LINE|	13489	NM_001369	3845	Hs.505033	NM_004985	ENSG00000	KRAS	C-K-RAS|C	KRAS prot	protein-coding
chr12-501	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr12	50127047	50127838	+	0	NA	Intergeni	AluJr4|SI	15206	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr12-881	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr12	88166166	88168124	+	0	NA	intron (N	AluSz6|SI	24838	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr12-111	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	MIRb|SINE	14834	NM_001204	217	Hs.604551	NM_000690	ENSG00000	ALDH2	ALDH-E2|A	aldehyde	protein-coding
chr15-431	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr15	43139179	43141527	+	0	NA	intron (N	intron (N	6767	NM_024956	80021	Hs.511175	NM_024956	ENSG00000	TMEM62	-	transmemb	protein-coding
chr15-561	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr15	56142463	56143440	+	0	NA	intron (N	intron (N	46981	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr17-312	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr17	31206033	31206372	+	0	NA	intron (N	(TTTGTC)n	91037	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr17-425	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr17	42507357	42509397	+	0	NA	intron (N	intron (N	-5811	NR_049808	1.01E+08		NR_049808	ENSG00000	MIR5010	mir-5010	microRNA	ncRNA
chr17-454	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr17	45444412	45445295	+	0	NA	intron (N	L2c|LINE|	-11937	NM_174919	201176	Hs.205326	NM_174919	ENSG00000	ARHGAP27	CAMGAP1|F	Rho GTPas	protein-coding
chr2-9583	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr2	95835339	95835675	+	0	NA	Intergeni	L1PA12|LI	-8526	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr2-1179	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	68136	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr22-379	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr22	37967131	37967586	+	0	NA	promoter-	promoter-	-205	NR_106878	1.02E+08		NR_106878	ENSG00000	MIR6820	hsa-mir-6	microRNA	ncRNA
chr3-1291	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7917	NM_001204	339122	Hs.381132	NM_198490	ENSG00000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr5-3252	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr5	325263	326858	+	0	NA	intron (N	AluSq|SIN	21884	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr8-7372	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr8	73725356	73726184	+	0	NA	intron (N	AluJb|SIN	21070	NM_001164	27067	Hs.561815	NM_014393	ENSG00000	STAU2	39K2|39K3	staufen d	protein-coding
chr9-1274	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	31342	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr9-1334	7.674921	0.514188	0.837387	0.614039	0.53919	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-1834	NR_024514	11093	Hs.131433	NM_139025	ENSG00000	ADAMTS13	ADAM-TS13	ADAM meta	protein-coding
chr19-123	11.42605	0.427446	0.696263	0.613914	0.539272	0.981636	chr19	12389674	12394006	+	0	NA	exon (NM_	exon (NM_	9140	NM_001322	90576	Hs.546637	NM_203381	ENSG00000	ZNF799	HIT-40|ZN	zinc fing	protein-coding
chr2-2495	11.42605	0.427446	0.696263	0.613914	0.539272	0.981636	chr2	24955284	24957415	+	0	NA	intron (N	intron (N	15606	NM_016544	51277	Hs.434993	NM_016544	ENSG00000	DNAJC27	RBJ|RabJS	DnaJ heat	protein-coding
chr5-7965	7.458151	-0.53455	0.870814	-0.61386	0.53931	0.981636	chr5	79658359	79658960	+	0	NA	intron (N	intron (N	-31177	NM_153610	202333	Hs.482625	NM_153610	ENSG00000	CMYA5	C5orf10|S	cardiomyo	protein-coding
chr12-295	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chr12	29574998	29576601	+	0	NA	intron (N	L1MA9|LIN	-76106	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr15-672	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chr15	67202676	67203618	+	0	NA	intron (N	L1M5|LINE	36992	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-243	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chr16	2438398	2439445	+	0	NA	intron (N	AluSx1|SI	-6471	NR_106825	1.02E+08		NR_106825	ENSG00000	MIR6767	hsa-mir-6	microRNA	ncRNA
chr4-4207	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chr4	42076067	42076900	+	0	NA	intron (N	L1ME3Cz|L	76172	NM_001159	389206	Hs.120591	NM_207406	ENSG00000	BEND4	CCDC4	BEN domai	protein-coding
chr5-1031	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (N	LTR12C|LT	21246	NM_001345	23262	Hs.212046	NM_015216	ENSG00000	PPIP5K2	CFAP160|D	diphospho	protein-coding
chrX-8074	5.673777	-0.59551	0.97036	-0.6137	0.539413	0.981636	chrX	80742202	80743018	+	0	NA	intron (N	L1PA4|LIN	67267	NM_153252	254065	Hs.147027	NM_153252	ENSG00000	BRWD3	BRODL|MRX	bromodoma	protein-coding
chr1-2580	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr1	25805398	25805968	+	0	NA	intron (N	intron (N	5490	NM_020451	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding

chr11-684	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr11	68438706	68439238	+	0	NA	intron (	intron (	-21780	NM_001352	55291	Hs.503022	NM_018312	ENSG0000	PPP6R3	C11orf23|	protein p	protein-coding
chr11-119	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (	AluJb|SIN	-6732	NM_001243	25988	Hs.504091	NM_015517	ENSG0000	HINFP	HiNF-P|MI	histone H	protein-coding
chr14-911	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr14	91188944	91190849	+	0	NA	intron (	intron (	54808	NM_001177	8111	Hs.8882	NM_003485	ENSG0000	GPR68	AI2A6|GPR	G protein	protein-coding
chr16-716	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr16	71668940	71669568	+	0	NA	intron (	intron (	29447	NR_033337	1E+08	Hs.725116	NR_033337	ENSG0000	SNORA70D	U70D	small nuc	snoRNA
chr19-376	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr19	37649560	37650054	+	0	NA	intron (	AluJb|SIN	5658	NM_001320	22835	Hs.668737	NM_014898	ENSG0000	ZFP30	ZNF745	ZFP30 zin	protein-coding
chr19-488	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chr19	48831007	48832835	+	0	NA	intron (	AluSx1|SI	4570	NM_016246	51171	Hs.18788	NM_016246	ENSG0000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chrX-6573	7.18619	0.538504	0.877516	0.613669	0.539434	0.981636	chrX	65735507	65736117	+	0	NA	intron (	L2a|LINE|	68158	NM_002444	4478	Hs.87752	NM_002444	ENSG0000	MSN	HEL70|IMD	moesin	protein-coding
chr1-5650	10.12615	-0.45262	0.737625	-0.61362	0.53947	0.981636	chr1	56502994	56521594	+	0	NA	intron (	intron (	67269	NM_003713	8613	Hs.405156	NM_003713	ENSG0000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr11-125	10.12615	-0.45262	0.737625	-0.61362	0.53947	0.981636	chr11	12528243	12528873	+	0	NA	3' UTR (	3' UTR (	-145863	NM_021961	7003	Hs.655331	NM_021961	ENSG0000	TEAD1	AA|NTEF-1	TEA domai	protein-coding
chr11-320	10.12615	-0.45262	0.737625	-0.61362	0.53947	0.981636	chr11	32096809	32100823	+	0	NA	intron (	MLT1J2|LT	7742	NM_002901	5954	Hs.97887	NM_002901	ENSG0000	RCN1	HEL-S-84|	reticuloc	protein-coding
chr13-113	10.12615	-0.45262	0.737625	-0.61362	0.53947	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (	MER102b|D	7374	NR_044995	650669	Hs.369201	NM_001039799		GAS6-AS1	-	GAS6 anti	ncRNA
chr10-793	7.845186	-0.51584	0.841304	-0.61315	0.539778	0.981636	chr10	79394008	79394219	+	0	NA	intron (	intron (	46644	NM_005729	10105	Hs.381072	NM_005729	ENSG0000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr8-3047	7.845186	-0.51584	0.841304	-0.61315	0.539778	0.981636	chr8	30477216	30477415	+	0	NA	intron (	AluY|SINE	-91914	NR_046205	1E+08	Hs.126813	NR_046205	ENSG0000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr19-269	22.07929	0.332076	0.541655	0.613076	0.539826	0.981636	chr19	26918117	26918364	+	0	NA	Intergeni	ALR/Alpha	-875191	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-323	6.715026	0.574561	0.937187	0.613069	0.53983	0.981636	chr20	32318204	32318642	+	0	NA	intron (	L1MB8|LIN	-39921	NM_015338	171023	Hs.374043	NM_015338	ENSG0000	ASXL1	BOPS|MDS	ASXL tran	protein-coding
chr1-8420	5.632638	-0.60016	0.979043	-0.61301	0.539873	0.981636	chr1	84207979	84208758	+	0	NA	intron (	intron (	26736	NM_001242	5567	Hs.487325	NM_002731	ENSG0000	PRKACB	PKA C-bet	protein k	protein-coding
chr20-370	5.632638	-0.60016	0.979043	-0.61301	0.539873	0.981636	chr20	37055040	37055661	+	0	NA	intron (	intron (	40647	NM_001323	5933	Hs.207745	NM_002895	ENSG0000	RBL1	CP107|PRE	RB transc	protein-coding
chr22-254	5.632638	-0.60016	0.979043	-0.61301	0.539873	0.981636	chr22	25459101	25459581	+	0	NA	intron (	(CT)n|Sim	3695	NR_106875	1.02E+08		NR_106875	ENSG0000	MIR6817	hsa-mir-6	microRNA	ncRNA
chr3-1238	5.632638	-0.60016	0.979043	-0.61301	0.539873	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (	intron (	22745	NM_053026	4638	Hs.477375	NM_005965	ENSG0000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr9-7780	5.632638	-0.60016	0.979043	-0.61301	0.539873	0.981636	chr9	77808929	77809296	+	0	NA	intron (	intron (	-160790	NM_004297	9630	Hs.657795	NM_004297	ENSG0000	GNA14	-	G protein	protein-coding
chr1-2625	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr1	26257559	26258427	+	0	NA	intron (	intron (	-11286	NM_001281	64793	Hs.63795	NM_022778	ENSG0000	CEP85	CCDC21	centrosom	protein-coding
chr10-285	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr10	28596925	28598198	+	0	NA	intron (	intron (	64443	NM_016628	51322	Hs.743224	NM_016628	ENSG0000	WAC	BM-016|DE	WW domain	protein-coding
chr10-685	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr10	68500813	68501493	+	0	NA	intron (	AluSx|SIN	17065	NM_001324	8034	Hs.180408	NM_152707	ENSG0000	SLC25A16	D10S105E|	solute ca	protein-coding
chr10-871	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr10	87189776	87190743	+	0	NA	intron (	AluSz|SIN	-35189	NM_001099	728118	Hs.710565	NM_001099	ENSG0000	NUTM2A	FAM22A	NUT famil	protein-coding
chr14-348	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr14	34820320	34821159	+	0	NA	intron (	L1MC1|LIN	-53452	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr14-884	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr14	88466993	88468045	+	0	NA	3' UTR (	3' UTR (	81862	NM_018418	55812	Hs.525518	NM_018418	ENSG0000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-654	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr15	65446727	65449752	+	0	NA	intron (	AluJo|SIN	-25292	NM_020962	57722	Hs.458607	NM_020962	ENSG0000	IGDCC4	DDM36|NOP	immunoglo	protein-coding
chr17-376	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr17	37615679	37616343	+	0	NA	promoter-	promoter-	-972	NR_106744	1.02E+08		NR_106744	ENSG0000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr19-846	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr19	8461911	8462732	+	0	NA	intron (	intron (	17346	NM_031203	4670	Hs.465808	NM_005968	ENSG0000	HNRNPM	CEAR|HNRN	heterogen	protein-coding
chr2-1577	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	74115	NM_001347	90	Hs.470316	NM_001105	ENSG0000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr22-426	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr22	42619355	42623839	+	0	NA	intron (	intron (	6352	NR_029422	267010	Hs.574857	NR_029422	ENSG0000	RNU12	RNU12-1|R	RNA, U12	snRNA
chr3-1586	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (	L1MC3|LIN	12144	NM_001308	85476	Hs.518355	NM_024996	ENSG0000	GFM1	COXPD1|EF	G elongat	protein-coding
chr4-5764	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr4	5764612	5765208	+	0	NA	intron (	L1PA3|LIN	53709	NM_153717	2121	Hs.646899	NM_014556	ENSG0000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr5-7874	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr5	7874617	7876324	+	0	NA	intron (	intron (	6322	NR_134482	4552	Hs.481551	NM_002454	ENSG0000	MTRR	MSR|cblE	5-methylt	protein-coding
chr7-4770	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr7	4770916	4771928	+	0	NA	TTS (NM_0	TTS (NM_0	-4201	NM_001364	9907	Hs.558440	NM_014855	ENSG0000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr8-1703	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr8	17037088	17038328	+	0	NA	intron (	THE1B-int	10470	NR_146233	286097	Hs.403594	NM_181723	ENSG0000	MICU3	EFHA2	mitochond	protein-coding
chr9-1047	5.665919	-0.59333	0.967933	-0.61298	0.539887	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	4766	NM_015469	25934	Hs.530275	NM_015469	ENSG0000	NIPSNAP3A	HSPC299|N	nipsnap h	protein-coding
chr16-295	10.11829	-0.45134	0.736379	-0.61292	0.539931	0.981636	chr16	29517052	29519969	+	0	NA	Intergeni	L1PA5|LIN	-12636	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr19-362	10.11829	-0.45134	0.736379	-0.61292	0.539931	0.981636	chr19	36220793	36221117	+	0	NA	intron (	AluSx1|SI	-5871	NM_001042	147929	Hs.596338	NM_152477	ENSG0000	ZNF565	-	zinc fing	protein-coding
chr2-1331	10.11829	-0.45134	0.736379	-0.61292	0.539931	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-138114	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr5-1747	10.11829	-0.45134	0.736379	-0.61292	0.539931	0.981636	chr5	1.75E+08	1.75E+08	+	0	NA	3' UTR (	3' UTR (	5863	NM_001363	4488	Hs.89404	NM_002449	ENSG0000	MSX2	CRS2|FPP|	msh homeo	protein-coding
chr8-1250	10.11829	-0.45134	0.736379	-0.61292	0.539931	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (	MER104|DN	33554	NM_014846	9897	Hs.270043	NM_014846	ENSG0000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr13-198	9.607836	-0.47015	0.767117	-0.61288	0.539953	0.981636	chr13	19844549	19844853	+	0	NA	intron (	AluSq|SIN	18935	NM_001039	9205	Hs.530988	NM_014242	ENSG0000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr19-469	9.607836	-0.47015	0.767117	-0.61288	0.539953	0.981636	chr19	4695092	4696072	+	0	NA	intron (	intron (	16300	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr7-2619	9.607836	-0.47015	0.767117	-0.61288	0.539953	0.981636	chr7	26198633	26199720	+	0	NA	intron (	intron (	1570	NM_002137	3181	Hs.487774	NM_002137	ENSG0000	HNRNPA2B1	HNRNPA2|H	heterogen	protein-coding
chrX-5338	7.129335	0.541757	0.884008	0.612841	0.539981	0.981636	chrX	53382029	53382519	+	0	NA	exon (NM_	exon (NM_	23491	NR_106916	1.02E+08		NR_106916	ENSG0000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr14-705	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr14	70581014	70581314	+	0	NA	Intergeni	L1ME3B|LI	19526	NM_001284	10001	Hs.497353	NM_005466	ENSG0000	MED6	ARC33|NY-	mediator	protein-coding
chr17-199	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr17	19927275	19927490	+	0	NA	intron (	L1MB7|LIN	50446	NM_007202	11216	Hs.642676	NM_007202	ENSG0000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr2-1909	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (	intron (	25520	NM_014905	2744	Hs.116448	NM_014905	ENSG0000	GLS	AAD20|CAS	glutamina	protein-coding
chr2-2031	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (	AluSq2|SI	-67434	NM_177538	57404	Hs.446065	NM_020674	ENSG0000	CYP20A1	CYP-M	cytochrom	protein-coding
chr3-1588	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	non-codin	non-codin	27399	NM_022736	64747	Hs.58663	NM_022736	ENSG0000	MFSD1	SMAP4	major fac	protein-coding
chr5-9669	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr5	96697136	96697502	+	0	NA	intron (	intron (	-5341	NM_001042	831	Hs.436186	NM_001750	ENSG0000	CAST	BS-17|PLA	calpastat	protein-coding
chr9-9822	7.38558	-0.53118	0.866883	-0.61275	0.540043	0.981636	chr9	98224686	98226295	+	0	NA	intron (	intron (	3727	NR_106913	1.02E+08		NR_106913	ENSG0000	MIR6854	hsa-mir-6	microRNA	ncRNA
chr2-3316	10.13401	-0.45391	0.740989	-0.61258	0.540157	0.981636	chr2	33169960	33170717	+	0	NA	intron (	L1PA3|LIN	35741	NM_001166	4052	Hs.619315	NM_000627	ENSG0000	LTBP1	-	latent tr	protein-coding
chr1-1571	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr1	15716306	15724113	+	0	NA	intron (	intron (	-16049	NM_207348	284723	Hs.631867	NM_207348	ENSG0000	SLC25A34	-	solute ca	protein-coding
chr11-354	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr11	35456716	35458269	+	0	NA	intron (	MLT2B1|LT	-37434	NM_001195	6506	Hs.502338	NM_004171	ENSG0000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr14-566	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr14	56636871	56640004	+	0	NA	intron (	intron (	58639	NM_017799	54916	Hs.497253	NM_017799	ENSG0000	TMEM260	C14orf101	transmemb	protein-coding
chr14-744	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr14	74479788	74482475	+	0	NA	promoter-	promoter-	-927	NR_039858	1.01E+08		NR_039858	ENSG0000	MIR4709	mir-4709	microRNA	ncRNA
chr14-774	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr14	77424131	77430169	+	0	NA	3' UTR (	3' UTR (	-4094	NM_001113	122945	Hs.97556	NM_138791	ENSG0000	NOXRED1	C14orf148	NADP depe	protein-coding
chr14-104	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	18794	NR_162135	1.13E+08		NR_162135		MIR12121	-	microRNA	ncRNA
chr16-165	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr16	1652357	1657105	+	0	NA	intron (	L1MB5|LIN	-23548	NM_144570	90861	Hs.513261	NM_144570	ENSG0000	JPT2	C16orf34|	Jupiter m	protein-coding
chr17-764	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr17	76400739	76402225	+	0	NA	intron (	Charlie7a	16204	NM_001142	8877	Hs.68061	NM_021972	ENSG0000	SPHK1	SPHK	sphingosi	protein-coding
chr17-802	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr17	80227070	80230140	+	0	NA	intron (	MER20|DNA	8178	NM_001166	284129	Hs.4866	NM_173626	ENSG0000	SLC26A11	-	solute ca	protein-coding
chr6-2471	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr6	24718893	24719728	+	0	NA	promoter-	promoter-	-156	NM_030939	81688	Hs.744857	NM_030939	ENSG0000	C6orf62	Nbla00237	chromosom	protein-coding
chr7-1496	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (	AluSq4|SI	22844	NR_027788	79970	Hs.520785	NM_024910	ENSG0000	ZNF767P	ZNF767	zinc fing	pseudo
chr8-4796	7.71606	0.515336	0.841411	0.612466	0.540229	0.981636	chr8	47965189	47965959	+	0	NA	intron (	intron (	4633	NM_182746	4173	Hs.460184	NM_005914	ENSG0000	MCM4	CDC21|CDC	minichrom	protein-coding
chr10-864	7.87061	-0.50924	0.831577	-0.61238	0.540284	0.981636	chr10	86496136	86497004	+	0	NA	intron (	L1MB7|LIN	25214	NM_001318	23063	Hs.203099	NM_015045	ENSG0000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr11-668	7.87061	-0.50924	0.831577	-0.61238	0.540284	0.981636	chr11	6680264	6681454	+	0	NA	3' UTR (	3' UTR (	2481	NM_022061	63875	Hs.523456	NM_022061	ENSG0000	MRPL17	L17mt|LIP	mitochond	protein-coding
chr16-720	7.87061	-0.50924	0.831577	-0.61238	0.540284	0.981636	chr16	72084458	72085055	+	0	NA	TTS (NM_0	TTS (NM_0	8864	NM_017853	54957	Hs.134406	NM_017853	ENSG0000	TXNL4B	DLP|Dim2	thioredox	protein-coding
chr2-8752	7.87061	-0.50924	0.831577	-0.61238	0.540284	0.981636	chr2	87521240	87522260	+	0	NA	TTS (NR_1	TTS (NR_1	51800	NR_146460	112597	Hs.652166	NR_024204	ENSG0000	CYTOR	C2orf59|L	cytoskele	ncRNA
chr3-1998	7.87061	-0.50924	0.831577	-0.61238	0.540284	0.981636	chr3	19982129	19983109	+	0	NA	intron (	AluJo|SIN	29645	NR_027694	151649	Hs.733161	NM_144714	ENSG0000	PP2D1	C3orf48	protein p	protein-coding
chr11-675	7.878468	-0.51091	0.834741	-0.61205	0.540501	0.981636	chr11	67588329	67588998	+	0	NA	Intergeni	AluSx|SIN	5068	NM_000852	2950	Hs.523836	NM_000852	ENSG0000	GSTP1	DFN7|FAEE	glutathio	protein-coding
chr2-6124	7.878468	-0.51091	0.834741	-0.61205	0.540501	0.981636	chr2	61247231	61248545	+	0	NA	intron (	intron (	70470	NR_152211	130872	Hs.655602	NM_152392	ENSG0000	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-8616	7.878468	-0.51091	0.834741	-0.61205	0.540501	0.981636	chr2	86162774	86163805	+	0	NA	intron (	AluJo|SIN	27419	NR_004378	692225	Hs.723087	NR_004378	ENSG0000	SNORD94	U94	small nuc	snoRNA
chr4-1691	7.878468	-0.51091	0.834741	-0.61205	0.540501	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (	intron (	-125261	NM_032783	84869	Hs.659311	NM_032783	ENSG0000	CBR4	SDR45C1	carbonyl	protein-coding
chr4-1832	7.878468	-0.51091	0.834741	-0.61205	0.540501	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	34149	NM_001111	53842	Hs.333179	NM_001111	ENSG0000	CLDN22	CLDN21	claudin 2	protein-coding
chr1-2082	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr1	20823305	20824416	+	0	NA	intron (	L1MEd|LIN	-37172	NM_016287	50809	Hs.142442	NM_016287	ENSG0000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-1515	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (	L3|LINE|C	32443	NR_030280	693139		NR_030280	ENSG0000	MIR554	MIRN554|h	microRNA	ncRNA
chr1-1682	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (	intron (	10384	NR_026844	84832	Hs.537067	NR_026844	ENSG0000	ANKRD36BP	ANKRD26L1	ankyrin r	pseudo
chr1-2357	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (	L2a|LINE|	-72181	NM_001098	2786	Hs.159711	NM_004485	ENSG0000	GNG4	-	G protein	protein-coding
chr10-295	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr10	29529543	29530816	+	0	NA	intron (	AluJr|SIN	14918	NR_030335	693189		NR_030335	ENSG0000	MIR604	MIRN604|h	microRNA	ncRNA
chr10-457	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr10	45731811	45733883	+	0	NA	5' UTR (	5' UTR (	5581	NM_001367	253725	Hs.365286	NM_015262	ENSG0000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr10-631	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr10	63190056	63191660	+	0	NA	intron (	intron (	57530	NM_030759	29982	Hs.449628	NM_030759	ENSG0000	NRBF2	COPR|COPR	nuclear r	protein-coding
chr10-110	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-88390	NM_130439	4601	Hs.602078	NM_005962	ENSG0000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr11-994	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr11	994229	995081	+	0	NA	intron (	intron (	42063	NM_005961	4588	Hs.528432	NM_005961	ENSG0000	MUC6	MUC-6	mucin 6,	protein-coding
chr11-111	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (	L2|LINE|L	21539	NM_033425	85458	Hs.655626	NM_033425	ENSG0000	DIXDC1	CCD1	DIX domai	protein-coding
chr12-323	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr12	323588	326264	+	0	NA	intron (	intron (	-62053	NM_001190	6540	Hs.504398	NM_016615	ENSG0000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-109	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr12	1.09E+08	1.1E+08	+	0	NA	intron (	intron (	25559	NM_130466	89910	Hs.374067	NM_130466	ENSG0000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr14-102	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (	AluSg7|SI	37946	NM_014844	9895	Hs.195667	NM_014844	ENSG0000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-413	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr15	41396054	41396965	+	0	NA	exon (NM_	exon (NM_	5987	NR_045620	51103	Hs.106529	NM_016013	ENSG0000	NDUFAF1	CGI-65|CG	NADH:ubiq	protein-coding
chr15-415	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr15	41526455	41535645	+	0	NA	exon (NM_	exon (NM_	13207	NM_015540	26015	Hs.371045	NM_015540	ENSG0000	RPAP1	-	RNA polym	protein-coding
chr15-456	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr15	45682037	45684610	+	0	NA	intron (	intron (	-21872	NR_135680	1.05E+08	Hs.447522	NR_135680	ENSG0000	LOC105370	-	uncharact	ncRNA
chr16-348	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr16	3482020	3486095	+	0	NA	intron (	intron (	1412	NR_106741	1.02E+08		NR_106741	ENSG0000	MIR6126	hsa-mir-6	microRNA	ncRNA
chr16-749	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr16	74961527	74963477	+	0	NA	intron (	L1PA10|LI	22621	NM_030581	79726	Hs.280951	NM_030581	ENSG0000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr16-899	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr16	89957712	89957940	+	0	NA	intron (	intron (	4449	NR_145807	1.1E+08		NR_145807		SNORA119	-	small nuc	snoRNA
chr19-369	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr19	36925412	36926116	+	0	NA	intron (	MER2|DNA|	9432	NM_001204	374900	Hs.404220	NM_198539	ENSG0000	ZNF568	ZFP568	zinc fing	protein-coding
chr19-541	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr19	54193189	54194822	+	0	NA	3' UTR (	3' UTR (	2697	NM_001077	79042	Hs.15580	NM_024075	ENSG0000	TSEN34	LENG5|PCH	tRNA spli	protein-coding
chr2-8604	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr2	86043384	86045476	+	0	NA	intron (	intron (	61456	NM_015425	25885	Hs.531818	NM_015425	ENSG0000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1123	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	53328	NM_005054	84220	Hs.469630	NM_005054	ENSG0000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr2-1278	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	11846	NM_031445	83607	Hs.546449	NM_031445	ENSG0000	AMMECR1L	-	AMMECR1 l	protein-coding
chr2-2057	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (	intron (	60151	NM_018534	8828	Hs.471200	NM_003872	ENSG0000	NRP2	NP2|NPN2|	neuropili	protein-coding
chr20-490	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr20	49030687	49033599	+	0	NA	exon (NM_	exon (NM_	13913	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG0000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr3-3797	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr3	37975841	37977591	+	0	NA	intron (	intron (	7312	NR_029499	407015		NR_029499	ENSG0000	MIR26A1	MIR26A|MI	microRNA	ncRNA
chr3-4261	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr3	42618594	42620527	+	0	NA	intron (	intron (	-18482	NM_001201	9117	Hs.445892	NM_004206	ENSG0000	SEC22C	SEC22L3	SEC22 hom	protein-coding
chr4-3673	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr4	367326	368094	+	0	NA	intron (	AluSx4|SI	17553	NR_030297	693156		NR_030297	ENSG0000	MIR571	MIRN571|h	microRNA	ncRNA
chr5-3734	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr5	37341203	37342257	+	0	NA	intron (	AluY|SINE	29376	NM_153485	9631	Hs.547696	NM_004298	ENSG0000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr6-3065	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr6	30657947	30670611	+	0	NA	intron (	AluSz|SIN	8727	NM_003587	8449	Hs.485060	NM_003587	ENSG0000	DHX16	DBP2|DDX1	DEAH-box	protein-coding
chr7-8024	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr7	8024527	8025517	+	0	NA	intron (	L1M4|LINE	56226	NM_138426	113263	Hs.131673	NM_138426	ENSG0000	GLCCI1	FAM117C|G	glucocort	protein-coding
chr7-3254	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr7	32543332	32543593	+	0	NA	intron (	intron (	47973	NM_015060	23080	Hs.128056	NM_015060	ENSG0000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-7602	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr7	76021666	76023016	+	0	NA	intron (	intron (	8183	NM_001317	51657	Hs.11615	NM_016086	ENSG0000	STYXL1	DUSP24|MK	serine/th	protein-coding
chr7-1351	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-12929	NM_024033	78996	Hs.643113	NM_024033	ENSG0000	CYREN	C7orf49|M	cell cycl	protein-coding
chr7-1496	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (	(CA)n|Sim	9295	NR_027788	79970	Hs.520785	NM_024910	ENSG0000	ZNF767P	ZNF767	zinc fing	pseudo
chr8-6560	7.682778	0.512144	0.837521	0.6115	0.540869	0.981636	chr8	65603478	65605391	+	0	NA	exon (NM_	exon (NM_	29743	NM_018120	55156	Hs.269542	NM_018120	ENSG0000	ARMC1	Arcp	armadillo	protein-coding
chr16-295	15.02611	-0.38036	0.622121	-0.6114	0.540935	0.981636	chr16	29512735	29513236	+	0	NA	Intergeni	Intergeni	-7111	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr17-383	5.681635	-0.59775	0.977696	-0.61139	0.540943	0.981636	chr17	38370135	38370924	+	0	NA	intron (	AluJb|SIN	18685	NM_014598	30837	Hs.514132	NM_014598	ENSG0000	SOCS7	NAP4|NCKA	suppresso	protein-coding
chr5-5687	9.641117	-0.46625	0.76273	-0.61129	0.541006	0.981636	chr5	56879113	56879340	+	0	NA	intron (	intron (	-30034	NR_136556	133383	Hs.85950	NM_153706	ENSG0000	SETD9	C5orf35	SET domai	protein-coding
chr1-6483	5.607214	-0.60965	0.997695	-0.61106	0.541159	0.981636	chr1	64836775	64837132	+	0	NA	intron (	intron (	91878	NM_018211	55225	Hs.591443	NM_018211	ENSG0000	RAVER2	-	ribonucle	protein-coding
chr5-6235	5.607214	-0.60965	0.997695	-0.61106	0.541159	0.981636	chr5	62358342	62358795	+	0	NA	intron (	intron (	45337	NM_001348	27292	Hs.731665	NM_014473	ENSG0000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr19-410	7.152909	0.535122	0.875776	0.611026	0.541183	0.981636	chr19	4104132	4104487	+	0	NA	intron (	AluJb|SIN	19820	NM_030662	5605	Hs.465627	NM_030662	ENSG0000	MAP2K2	CFC4|MAPK	mitogen-a	protein-coding
chr13-412	7.326874	-0.54356	0.88975	-0.61091	0.541259	0.981636	chr13	41252047	41252533	+	0	NA	intron (	intron (	11286	NM_004294	9617	Hs.382176	NM_004294	ENSG0000	MTRF1	MRF1|MTTF	mitochond	protein-coding
chr3-1792	10.90403	0.436957	0.715333	0.610844	0.541303	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (	AluSx1|SI	43843	NM_014407	27094	Hs.591285	NM_014407	ENSG0000	KCNMB3	BKBETA3|H	potassium	protein-coding
chr1-1560	11.4339	0.426072	0.697774	0.610615	0.541454	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (	AluJb|SIN	6690	NM_003145	6746	Hs.74564	NM_003145	ENSG0000	SSR2	HSD25|TLA	signal se	protein-coding
chr1-1823	11.4339	0.426072	0.697774	0.610615	0.541454	0.981636	chr1	1.82E+08	1.82E+08	+	0	NA	intron (	intron (	5168	NM_001033	2752	Hs.132016	NM_002065	ENSG0000	GLUL	GLNS|GS|F	glutamate	protein-coding

chr14-321	11.4339	0.426072	0.697774	0.610615	0.541454	0.981636	chr14	32153786	32156233	+	0	NA	3’ UTR (N	3’ UTR (N	-47036	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr13-102	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	45470	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr15-731	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr15	73179044	73179461	+	0	NA	intron (N	LTR41|LTR	-120658	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr16-650	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr16	65052748	65053476	+	0	NA	intron (N	intron (N	68951	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr2-8802	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr2	88028735	88029787	+	0	NA	intron (N	intron (N	26522	NM_001304	51315	Hs.469254	NM_016618	ENSG00000	KRCC1	CHBP2	lysine ri	protein-coding
chr21-259	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr21	25945437	25946769	+	0	NA	intron (N	L1M4|LINE	194287	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr9-1377	7.862752	-0.50763	0.83142	-0.61056	0.541493	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	25770	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr14-732	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr14	73296678	73297051	+	0	NA	intron (N	AluSx|SIN	-50863	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr15-342	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr15	34226601	34226856	+	0	NA	intron (N	AluSq2|SI	1712	NM_001286	51234	Hs.250905	NM_016454	ENSG00000	EMC4	PIG17|TME	ER membra	protein-coding
chr20-394	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr20	394277	394966	+	0	NA	intron (N	AluJo|SIN	13278	NM_001301	57761	Hs.516826	NM_021158	ENSG00000	TRIB3	C20orf97|	tribbles	protein-coding
chr20-380	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr20	38035214	38035545	+	0	NA	intron (N	intron (N	1633	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatic	protein-coding
chr3-1944	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	AluJb|SIN	3681	NM_001367	79572	Hs.529609	NM_024524	ENSG00000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr9-1933	7.418861	-0.52606	0.861685	-0.6105	0.541528	0.981636	chr9	19335991	19336997	+	0	NA	intron (N	intron (N	43742	NM_001010	6194	Hs.408073	NM_001010	ENSG00000	RPS6	S6	ribosomal	protein-coding
chr12-158	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr12	15894293	15897043	+	0	NA	intron (N	AluJr|SIN	13281	NM_007178	11171	Hs.743971	NM_007178	ENSG00000	STRAP	MAWD|PT-W	serine/th	protein-coding
chr13-413	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr13	41370780	41371127	+	0	NA	intron (N	Tigger2|D	-58915	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochonc	protein-coding
chr2-2374	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	2124	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr5-1347	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSg|SIN	28011	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr7-3059	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr7	30598530	30613234	+	0	NA	intron (N	L1MC5|LIN	11004	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr8-3901	10.11043	-0.45006	0.737228	-0.61048	0.541544	0.981636	chr8	39017148	39030672	+	0	NA	intron (N	AluSx1|SI	-5225	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr21-428	8.230214	0.498928	0.817467	0.610334	0.541641	0.981636	chr21	42871938	42872589	+	0	NA	intron (N	AluSq2|SI	7012	NM_001260	10785	Hs.248815	NM_018669	ENSG00000	WDR4	GAMOS6|MI	WD repeat	protein-coding
chr6-1166	9.690115	-0.465	0.762528	-0.60982	0.541981	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	L1PA4|LIN	11768	NM_001366	3841	Hs.182971	NM_002269	ENSG00000	KPNA5	IPOA6|SRP	karyopher	protein-coding
chr2-2027	4.981685	0.630691	1.034364	0.609738	0.542036	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluY|SINE	69434	NM_001288	130026	Hs.516629	NM_138468	ENSG00000	ICA1L	ALS2CR14|	islet cel	protein-coding
chr16-887	9.365272	0.485021	0.795532	0.609682	0.542072	0.981636	chr16	88734209	88734675	+	0	NA	exon (NM_	exon (NM_	3262	NR_103774	1E+08	Hs.437712	NM_207451		LOC100289	-	uncharact	ncRNA
chr6-7141	9.365272	0.485021	0.795532	0.609682	0.542072	0.981636	chr6	71416978	71417289	+	0	NA	intron (N	intron (N	3612	NR_121614	79940	Hs.368337	NR_026807	ENSG00000	LINC00472	C6orf155|	long inte	ncRNA
chr1-1929	8.238072	0.496974	0.81543	0.609462	0.542218	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	Intergeni	Intergeni	-46388	NR_126003	1.03E+08	Hs.243488	NR_126003		LINC01032	-	long inte	ncRNA
chr10-428	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr10	42811797	42814465	+	0	NA	intron (N	L1MDa|LIN	30336	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr10-679	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr10	67948243	67949608	+	0	NA	intron (N	L1M4|LINE	57523	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-680	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr10	68061451	68065702	+	0	NA	intron (N	intron (N	11707	NM_001278	26091	Hs.51891	NM_015601	ENSG00000	HERC4	-	HECT and	protein-coding
chr10-110	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSg|SIN	31469	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr10-119	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	AluJb|SIN	20352	NM_024834	79892	Hs.124246	NM_024834	ENSG00000	MCMBP	C10orf119	minichrom	protein-coding
chr11-349	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr11	34932946	34934791	+	0	NA	intron (N	L1MC5a|LI	-7969	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-463	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr11	46307043	46307608	+	0	NA	intron (N	AluJo|SIN	-25601	NM_201532	8525	Hs.502461	NM_003646	ENSG00000	DGKZ	DAGK5|DAG	diacylgly	protein-coding
chr11-110	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr11	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA8|LIN	120831	NM_001258	57569	Hs.6136	NM_020809	ENSG00000	ARHGAP20	RARHOGAP	Rho GTPas	protein-coding
chr12-104	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	MER58A|DN	9446	NM_013320	29915	Hs.506558	NM_013320	ENSG00000	HCFC2	HCF-2|HCF	host cell	protein-coding
chr13-114	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	Intergeni	L1M4|LINE	1795	NR_039724	1.01E+08		NR_039724	ENSG00000	MIR4502	-	microRNA	ncRNA
chr14-582	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr14	58234325	58235100	+	0	NA	3’ UTR (N	3’ UTR (N	-10093	NR_038123	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr14-730	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr14	73062351	73067194	+	0	NA	intron (N	intron (N	6238	NM_021239	58517	Hs.531106	NM_021239	ENSG00000	RBM25	NET52|RED	RNA bindi	protein-coding
chr14-102	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSc|SIN	36818	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-646	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr15	64684903	64686312	+	0	NA	3’ UTR (N	3’ UTR (N	17674	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr15-654	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr15	65461083	65462006	+	0	NA	intron (N	intron (N	-38597	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOP	immunoglo	protein-coding
chr15-711	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr15	71163674	71165088	+	0	NA	intron (N	intron (N	22932	NM_024817	79875	Hs.387057	NM_024817	ENSG00000	THSD4	ADAMTSL-6	thrombosp	protein-coding
chr16-299	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr16	29992928	29993945	+	0	NA	intron (N	intron (N	2181	NM_003609	8479	Hs.567370	NM_003609	ENSG00000	HIRIP3	-	HIRA inte	protein-coding
chr16-821	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr16	82138313	82140911	+	0	NA	Intergeni	L1PA2|LIN	30612	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr17-742	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr17	742956	748949	+	0	NA	exon (NM_	exon (NM_	6312	NM_015721	50628	Hs.499620	NM_015721	ENSG00000	GEMIN4	HC56|HCAP	gem nucle	protein-coding
chr17-383	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr17	3833544	3834715	+	0	NA	intron (N	intron (N	12117	NM_001114	55421	Hs.120963	NM_018553	ENSG00000	NCBP3	C17orf85|	nuclear c	protein-coding
chr17-155	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr17	15553267	15554461	+	0	NA	intron (N	intron (N	9619	NM_001204	1.01E+08	Hs.164595	NM_001204	ENSG00000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chr2-2304	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	62477	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr22-455	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr22	45525729	45526212	+	0	NA	intron (N	intron (N	23087	NM_001996	2192	Hs.24601	NM_001996	ENSG00000	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr3-1207	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA6|LIN	15728	NM_005513	2960	Hs.445272	NM_005513	ENSG00000	GTF2E1	FE|TF2E1|	general t	protein-coding
chr5-4316	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr5	43165246	43165992	+	0	NA	intron (N	Tigger1|D	-26606	NM_153361	167359	Hs.25845	NM_153361	ENSG00000	NIM1K	NIM1	NIM1 seri	protein-coding
chr5-1128	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-59211	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr5-1462	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	20469	NM_018989	54439	Hs.61441	NM_018989	ENSG00000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr5-1782	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	AluSz|SIN	12701	NM_004499	3182	Hs.591731	NM_004499	ENSG00000	HNRNPAB	ABBP1|HNR	heteroger	protein-coding
chr6-1472	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1MC3|LIN	-36715	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr6-1473	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-128572	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr7-1348	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	MER2|DNA|	-41995	NM_033139	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr8-9769	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr8	97699062	97704328	+	0	NA	intron (N	intron (N	57511	NM_001363	92140	Hs.377155	NM_178812	ENSG00000	MTDH	3D3|AEG-1	metadheri	protein-coding
chr9-8935	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr9	89354127	89354921	+	0	NA	intron (N	MER68|LTR	35673	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr9-1001	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	L3|LINE|C	2826	NM_014425	27130	Hs.558477	NM_014425	ENSG00000	INVS	INV|NPH2|	inversin	protein-coding
chrX-2981	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chrX	298127	298988	+	0	NA	intron (N	MLT1D|LTR	15079	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LLOXNC01-	phosphati	protein-coding
chrX-1295	5.658062	-0.59116	0.970259	-0.60928	0.542336	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	MER33|DNA	22980	NM_001587	4952	Hs.126357	NM_000276	ENSG00000	OCRL	INPP5F|LO	OCRL inos	protein-coding
chr17-781	7.219472	0.541783	0.889492	0.609093	0.542463	0.981636	chr17	78194767	78195650	+	0	NA	intron (N	AluSz6|SI	7891	NM_001010	125061	Hs.558614	NM_001010	ENSG00000	AFMID	FKF|KF|KF	arylforma	protein-coding
chr2-2178	7.219472	0.541783	0.889492	0.609093	0.542463	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	TTS (NR_1	TTS (NR_1	111	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr2-2303	7.219472	0.541783	0.889492	0.609093	0.542463	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1HS|LINE	12645	NM_001352	93349	Hs.589661	NM_138402	ENSG00000	SP140L	-	SP140 nuc	protein-coding
chr1-2278	9.869718	0.466031	0.765561	0.608745	0.542693	0.981636	chr1	22784761	22785351	+	0	NA	exon (NM_	exon (NM_	65539	NR_039832	1.01E+08		NR_039832	ENSG00000	MIR4684	-	microRNA	ncRNA
chr3-1965	7.352298	-0.53638	0.881476	-0.6085	0.542853	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-15721	NM_001345	348793	Hs.385865	NM_182627	ENSG00000	WDR53	-	WD repeat	protein-coding
chr7-9943	7.352298	-0.53638	0.881476	-0.6085	0.542853	0.981636	chr7	99430114	99430401	+	0	NA	intron (N	intron (N	8541	NM_015545	26024	Hs.632313	NM_015545	ENSG00000	PTCD1	-	pentatric	protein-coding
chr1-1512	11.40062	0.423789	0.696537	0.608423	0.542907	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq2|SI	-17823	NM_001330	5710	Hs.505059	NM_002810	ENSG00000	PSMD4	AF|AF-1|A	proteasom	protein-coding
chr11-518	15.63863	0.368497	0.605832	0.60825	0.543022	0.981636	chr11	51810430	51811089	+	0	NA	Intergeni	ALR/Alpha	1401612	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1625	11.38491	0.426554	0.701337	0.608201	0.543054	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	26234	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr17-650	7.659205	0.518335	0.852279	0.608175	0.543071	0.981636	chr17	65046002	65046433	+	0	NA	intron (N	MIRc|SINE	9557	NM_001282	10672	Hs.515018	NM_006572	ENSG00000	GNA13	G13	G protein	protein-coding
chr9-1286	7.659205	0.518335	0.852279	0.608175	0.543071	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	TTS (NM_0	TTS (NM_0	23254	NM_052844	89891	Hs.495240	NM_052844	ENSG00000	WDR34	DIC5|FAP1	WD repeat	protein-coding
chr1-8900	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr1	89004584	89007748	+	0	NA	TTS (NM_0	TTS (NM_0	-13206	NM_001349	56267	Hs.481898	NM_001008	ENSG00000	KYAT3	CCBL2|KAT	kynurenin	protein-coding
chr12-520	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr12	52058954	52059645	+	0	NA	3’ UTR (N	3’ UTR (N	7857	NM_173157	3164	Hs.524430	NM_002135	ENSG00000	NR4A1	GFRP1|HMR	nuclear r	protein-coding
chr12-108	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MER45A|DN	-6510	NR_030350	693204		NR_030350	ENSG00000	MIR619	MIRN619|h	microRNA	ncRNA
chr13-102	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	non-codin	non-codin	15622	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr14-584	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr14	58407863	58408512	+	0	NA	TTS (NR_1	TTS (NR_1	12257	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr15-641	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr15	64196392	64196702	+	0	NA	intron (N	AluSp|SIN	-33392	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr17-452	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr17	45283066	45290780	+	0	NA	exon (NM_	exon (NM_	-24829	NM_152343	124783	Hs.412719	NM_152343	ENSG00000	SPATA32	AEP2|C17o	spermatog	protein-coding
chr17-620	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr17	62019697	62023802	+	0	NA	intron (N	intron (N	43529	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr2-2004	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	66453	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr20-371	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr20	37184013	37187949	+	0	NA	intron (N	MLT1E3|LT	-6433	NM_213632	140699	Hs.349125	NM_152503	ENSG00000	MROH8	C20orf131	maestro h	protein-coding
chr22-375	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr22	37566215	37570030	+	0	NA	exon (NM_	exon (NM_	7642	NM_152243	11135	Hs.225356	NM_152243	ENSG00000	CDC42EP1	BORG5|CEP	CDC42 eff	protein-coding
chr5-3887	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr5	38873885	38875286	+	0	NA	intron (N	intron (N	28573	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-9355	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr5	93559101	93560025	+	0	NA	intron (N	Tigger1|D	11780	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1798	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4296	NR_134283	1.01E+08	Hs.314414	NR_134283	ENSG00000	LOC100996	-	uncharact	ncRNA
chr8-1440	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	2178	NM_001916	1537	Hs.289271	NM_001916	ENSG00000	CYC1	MC3DN6|UQ	cytochrom	protein-coding
chr9-1252	7.896034	-0.50286	0.827116	-0.60797	0.543206	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	8556	NM_005347	3309	Hs.743241	NM_005347	ENSG00000	HSPA5	BIP|GRP78	heat shoc	protein-coding
chr10-689	15.20074	0.380715	0.626348	0.607833	0.543298	0.981636	chr10	68946349	68946721	+	0	NA	exon (NM_	exon (NM_	-9635	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDB	DExD-box	protein-coding
chr17-307	7.903892	-0.50448	0.830264	-0.60762	0.543441	0.981636	chr17	30795248	30795757	+	0	NA	intron (N	AluSp|SIN	29190	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr3-1326	7.903892	-0.50448	0.830264	-0.60762	0.543441	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	Kanga2_a|	-26757	NM_198329	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitin	protein-coding
chr7-2360	7.903892	-0.50448	0.830264	-0.60762	0.543441	0.981636	chr7	236075	237426	+	0	NA	intron (N	CpG	44179	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMP	FAM20C go	protein-coding
chr7-4741	7.903892	-0.50448	0.830264	-0.60762	0.543441	0.981636	chr7	47417015	47418095	+	0	NA	intron (N	intron (N	47248	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-9912	7.903892	-0.50448	0.830264	-0.60762	0.543441	0.981636	chr8	99121219	99121549	+	0	NA	exon (NM_	exon (NM_	108118	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr2-1134	7.82947	-0.51263	0.844035	-0.60736	0.543612	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	4366	NM_001330	150472	Hs.531330	NM_172003	ENSG00000	CBWD2	-	COBW doma	protein-coding
chr5-1763	6.656321	0.564809	0.930748	0.606833	0.543962	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	L1MB7|LIN	4804	NM_020444	57179	Hs.743257	NM_020444	ENSG00000	KIAA1191	p33MONOX|	KIAA1191	protein-coding
chr5-4796	10.40745	0.451228	0.743605	0.606812	0.543976	0.981636	chr5	47962372	47963324	+	0	NA	Intergeni	ALR/Alpha	-2266468	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1803	8.20479	0.4939	0.813982	0.606769	0.544004	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJb|SIN	58247	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-2119	8.20479	0.4939	0.813982	0.606769	0.544004	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	AluSz|SIN	-37698	NM_001286	51514	Hs.656473	NM_016448	ENSG00000	DTL	CDT2|DCAF	denticlel	protein-coding
chr14-103	8.20479	0.4939	0.813982	0.606769	0.544004	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	41339	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr15-328	8.20479	0.4939	0.813982	0.606769	0.544004	0.981636	chr15	32846805	32848439	+	0	NA	intron (N	AluY|SINE	-128757	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr4-8873	8.20479	0.4939	0.813982	0.606769	0.544004	0.981636	chr4	88738368	88739151	+	0	NA	intron (N	intron (N	28970	NR_002806	285512	Hs.744957	NR_002806	ENSG00000	FAM13A-AS	FAM13A1OS	FAM13A an	ncRNA
chr3-5763	10.04387	-0.45762	0.754217	-0.60675	0.544016	0.981636	chr3	57633612	57633895	+	0	NA	intron (N	AluSq2|SI	35964	NR_132369	1.06E+08	Hs.667207	NR_132369	ENSG00000	ARF4-AS1	-	ARF4 anti	ncRNA
chr11-476	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr11	47621392	47621719	+	0	NA	intron (N	AluSz|SIN	21004	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochonc	protein-coding
chr15-410	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr15	41015354	41015966	+	0	NA	intron (N	AluSz6|SI	62189	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr21-335	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr21	33571212	33572469	+	0	NA	intron (N	intron (N	16844	NM_017613	29980	Hs.436341	NM_017613	ENSG00000	DONSON	B17|C21or	downstrea	protein-coding
chr5-9879	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr5	98793357	98794373	+	0	NA	3’ UTR (N	3’ UTR (N	20202	NM_001366	285704	Hs.526902	NM_173670	ENSG00000	RGMB	DRAGON	repulsive	protein-coding
chr6-1366	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	MLT1A0|LT	7265	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr9-3395	7.854894	-0.50604	0.834272	-0.60657	0.544136	0.981636	chr9	33953191	33953830	+	0	NA	promoter-	promoter-	-656	NR_003685	1E+08		NR_003685	ENSG00000	SNORD121A	-	small nuc	snoRNA
chr14-506	12.39139	-0.41029	0.676418	-0.60657	0.544137	0.981636	chr14	50663966	50665557	+	0	NA	intron (N	intron (N	3545	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr4-6616	4.940545	0.629228	1.037677	0.606382	0.544261	0.981636	chr4	6616941	6617607	+	0	NA	intron (N	intron (N	-22817	NM_001272	93621	Hs.406590	NM_033296	ENSG00000	MRFAP1	PAM14|PGR	Morf4 fam	protein-coding
chr5-6599	4.940545	0.629228	1.037677	0.606382	0.544261	0.981636	chr5	65993531	65994364	+	0	NA	intron (N	MER112|DN	-48374	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr10-490	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr10	49018540	49019325	+	0	NA	3’ UTR (N	3’ UTR (N	-33345	NR_036182	1E+08		NR_036182	ENSG00000	MIR4294	-	microRNA	ncRNA
chr10-700	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr10	70099548	70100162	+	0	NA	intron (N	intron (N	32970	NM_032797	84883	Hs.650680	NM_032797	ENSG00000	AIFM2	AMID|PRG3	apoptosis	protein-coding
chr11-171	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr11	17191341	17192114	+	0	NA	intron (N	MER77B|LT	16259	NM_001321	5286	Hs.175343	NM_002645	ENSG00000	PIK3C2A	CPK|OCSKD	phosphati	protein-coding
chr16-145	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr16	14557291	14558388	+	0	NA	intron (N	intron (N	72421	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr17-672	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr17	67223452	67224196	+	0	NA	intron (N	intron (N	-20952	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr19-279	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr19	2791851	2793286	+	0	NA	intron (N	intron (N	7065	NM_003249	7064	Hs.78769	NM_003249	ENSG00000	THOP1	EP24.15|M	thimet ol	protein-coding
chr3-5240	4.948403	0.626047	1.032497	0.606342	0.544287	0.981636	chr3	52401112	52401834	+	0	NA	TTS (NM_0	TTS (NM_0	8535	NM_004656	8314	Hs.106674	NM_004656	ENSG00000	BAP1	HUCEP-13|	BRCA1 ass	protein-coding
chr14-751	5.62478	-0.59805	0.986375	-0.60631	0.544306	0.981636	chr14	75144194	75145099	+	0	NA	intron (N	intron (N	-17598	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr9-1055	5.62478	-0.59805	0.986375	-0.60631	0.544306	0.981636	chr9	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-13203	NR_104269	26134	Hs.113150	NR_104269	ENSG00000	RALGAPA1P	GARNL2|GA	Ral GTPas	pseudo
chr19-138	10.10257	-0.44878	0.740196	-0.6063	0.544319	0.981636	chr19	13834022	13835696	+	0	NA	non-codin	non-codin	1500	NR_029497	407013		NR_029497	ENSG00000	MIR24-2	MIRN24-2|	microRNA	ncRNA
chr10-275	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	27537833	27539078	+	0	NA	non-codin	non-codin	34151	NR_046172	22931	Hs.406799	NM_021252	ENSG00000	RAB18	RAB18LI1|	RAB18, me	protein-coding

chr10-680	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	68009697	68014464	+	0	NA	intron (N	Tigger1|D	-1197	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-730	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	73045972	73057421	+	0	NA	intron (N	AluSq2|SI	45278	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr10-933	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	93385486	93389138	+	0	NA	intron (N	intron (N	95022	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-933	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	93393835	93400664	+	0	NA	exon (NM_	exon (NM_	85085	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-125	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	AluY|SINE	-7828	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr11-474	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr11	47410226	47418729	+	0	NA	intron (N	intron (N	5887	NM_001128	91252	Hs.523664	NM_152264	ENSG00000	SLC39A13	EDSSPD3|L	solute ca	protein-coding
chr11-831	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr11	83176299	83185075	+	0	NA	intron (N	intron (N	6797	NR_133914	1.07E+08	Hs.595343	NR_133914		PCF11-AS1	-	PCF11 ant	ncRNA
chr13-110	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	12241	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr15-558	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr15	55858922	55863291	+	0	NA	intron (N	intron (N	56025	NM_001284	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|R	NEDD4 E3	protein-coding
chr15-586	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr15	58640060	58643624	+	0	NA	intron (N	intron (N	51765	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-717	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr15	71758184	71760643	+	0	NA	intron (N	MIRb|SINE	-51141	NM_016346	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr15-101	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	74134	NM_014918	22856	Hs.110488	NM_014918	ENSG00000	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr16-845	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr16	84588048	84591503	+	0	NA	intron (N	intron (N	28303	NM_021149	23406	Hs.289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr17-619	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr17	61924146	61924829	+	0	NA	intron (N	intron (N	3495	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr2-5561	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr2	55614505	55615197	+	0	NA	intron (N	intron (N	2771	NM_001122	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-6507	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr2	65071426	65072358	+	0	NA	exon (NM_	exon (NM_	15476	NM_001319	23177	Hs.709257	NM_015147	ENSG00000	CEP68	KIAA0582	centrosom	protein-coding
chr2-1217	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	5986	NM_032390	84365	Hs.367842	NM_032390	ENSG00000	NIFK	MKI67IP|N	nucleolar	protein-coding
chr2-2185	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluSx3|SI	15445	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitin	protein-coding
chr2-2185	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	15686	NM_001271	9125	Hs.148767	NM_005444	ENSG00000	CNOT9	CAF40|CT1	CCR4-NOT	protein-coding
chr20-601	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr20	6011087	6012932	+	0	NA	intron (N	intron (N	4760	NM_001323	54675	Hs.743956	NM_019095	ENSG00000	CRLS1	C20orf155	cardiolip	protein-coding
chr3-1605	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	AluJb|SIN	-13969	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr3-1872	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	MER49|LTR	-32659	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact	ncRNA
chr4-7677	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr4	76775010	76777141	+	0	NA	intron (N	L1PB1|LIN	122069	NM_001029	345079	Hs.257292	NM_001029	ENSG00000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr5-6912	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr5	69127352	69129049	+	0	NA	intron (N	intron (N	-32608	NR_145732	1.1E+08		NR_145732	ENSG00000	SNORA50D	-	small nuc	snoRNA
chr5-1295	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-68994	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr7-4747	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr7	4747071	4749369	+	0	NA	intron (N	intron (N	-27403	NM_001364	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr7-6628	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr7	66286902	66287203	+	0	NA	intron (N	L1HS|LINE	81718	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr8-9372	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr8	93722497	93725527	+	0	NA	intron (N	AluJr|SIN	-16099	NR_027259	55472	Hs.192788	NM_018608	ENSG00000	RBM12B-AS	C8orf39|F	RBM12B ar	ncRNA
chr8-1082	7.888176	-0.50126	0.826958	-0.60615	0.544415	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz6|SI	36013	NM_001568	3646	Hs.405590	NM_001568	ENSG00000	EIF3E	EIF3-P48|	eukaryoti	protein-coding
chr1-1675	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr1	1675869	1676960	+	0	NA	exon (NM_	exon (NM_	16381	NM_001110	728661	Hs.655255	NM_001110	ENSG00000	SLC35E2B	SLC35E2	solute ca	protein-coding
chr1-1512	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	4169	NM_020832	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr1-1761	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	Tigger1|D	36460	NM_001001	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr1-1804	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	Tigger1|D	26771	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-2098	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr1	2.1E+08	2.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24352	NM_014388	27042	Hs.194754	NM_014388	ENSG00000	UTP25	C1orf107|	UTP25 sma	protein-coding
chr11-749	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr11	74918543	74920097	+	0	NA	intron (N	L1MC5|LIN	29771	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr12-102	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	MER5A1|DN	18850	NM_016053	51019	Hs.405692	NM_016053	ENSG00000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr14-363	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr14	36310291	36312027	+	0	NA	intron (N	intron (N	9478	NM_001308	51562	Hs.368647	NM_016586	ENSG00000	MBIP	-	MAP3K12 b	protein-coding
chr18-127	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr18	12713854	12715813	+	0	NA	intron (N	AluSx|SIN	11791	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteasom	protein-coding
chr2-8785	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr2	8785321	8786402	+	0	NA	exon (NM_	exon (NM_	51752	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr2-2229	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	72683	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr22-245	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr22	24547378	24548749	+	0	NA	non-codin	non-codin	7075	NM_001284	83606	Hs.9850	NM_031444	ENSG00000	GUCD1	C22orf13|	guanylyl	protein-coding
chr5-1802	8.212648	0.491971	0.811952	0.605911	0.544574	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-31478	NM_175062	255426	Hs.190559	NM_175062	ENSG00000	RASGEF1C	-	RasGEF do	protein-coding
chr2-1349	10.14371	-0.4464	0.736979	-0.60571	0.544708	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	AluJb|SIN	29305	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr5-6620	10.14371	-0.4464	0.736979	-0.60571	0.544708	0.981636	chr5	6620705	6626970	+	0	NA	intron (N	intron (N	9207	NR_037947	54888	Hs.481526	NM_017755	ENSG00000	NSUN2	MISU|MRT5	NOP2/Sun	protein-coding
chr1-2143	8.24593	0.495077	0.817777	0.605394	0.544918	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	109524	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-1572	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr1	15727940	15731488	+	0	NA	intron (N	intron (N	-6544	NM_207348	284723	Hs.631867	NM_207348	ENSG00000	SLC25A34	-	solute ca	protein-coding
chr11-948	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr11	94864567	94867738	+	0	NA	exon (NM_	exon (NM_	97796	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr11-117	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	2604	NM_004716	9159	Hs.648612	NM_004716	ENSG00000	PCSK7	LPC|PC7|P	proprotei	protein-coding
chr14-356	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr14	35644668	35645730	+	0	NA	intron (N	MLT1A0|LT	111035	NM_032594	84684	Hs.62813	NM_032594	ENSG00000	INSM2	IA-6|IA6|	INSM tran	protein-coding
chr16-108	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr16	108916	110627	+	0	NA	intron (N	L1ME4b|LI	28902	NM_001077	8131	Hs.19699	NM_012075	ENSG00000	NPRL3	C16orf35|	NPR3 like	protein-coding
chr19-110	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr19	11002950	11005652	+	0	NA	intron (N	AluSx1|SI	20149	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-184	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr19	18443637	18447500	+	0	NA	intron (N	(G)n|Simp	-7435	NR_045574	51477	Hs.405873	NM_016368	ENSG00000	ISYNA1	INO1|INOS	inositol-	protein-coding
chr19-184	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr19	18455346	18459741	+	0	NA	intron (N	intron (N	-19410	NR_045574	51477	Hs.405873	NM_016368	ENSG00000	ISYNA1	INO1|INOS	inositol-	protein-coding
chr2-1310	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	L1MB3|LIN	39696	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr20-329	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr20	3297957	3298156	+	0	NA	exon (NM_	exon (NM_	-58866	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-368	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr20	36804580	36807278	+	0	NA	exon (NM_	exon (NM_	-32166	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr6-1697	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-13324	NR_026780	80069	Hs.677182	NM_025002	ENSG00000	LINC00574	C6orf208|	long inte	ncRNA
chr9-9129	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr9	91293581	91295234	+	0	NA	intron (N	AluSc|SIN	67517	NM_001698	549	Hs.175905	NM_001698	ENSG00000	AUH	-	AU RNA bi	protein-coding
chr9-1375	7.690636	0.510052	0.842578	0.605347	0.544949	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L2|LINE|L	11699	NM_032477	64975	Hs.44017	NM_032477	ENSG00000	MRPL41	BMRP|MRP-	mitochond	protein-coding
chr19-233	11.40848	0.422405	0.698049	0.605123	0.545097	0.981636	chr19	23361252	23378551	+	0	NA	intron (N	SVA_C|Ret	25570	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr9-1298	11.40848	0.422405	0.698049	0.605123	0.545097	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSz|SIN	2506	NM_000113	1861	Hs.534312	NM_000113	ENSG00000	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chrX-1543	7.911749	-0.50614	0.836506	-0.60506	0.545137	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	22861	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr8-1279	7.121477	0.543952	0.899069	0.605017	0.545167	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	15488	NR_103558	641384	Hs.629674	NM_001037	ENSG00000	TMEM75	-	transmemb	ncRNA
chr16-898	9.674399	-0.46226	0.764401	-0.60474	0.545353	0.981636	chr16	89874916	89875159	+	0	NA	intron (N	FRAM|SINE	1445	NM_014972	22980	Hs.415342	NM_014972	ENSG00000	TCF25	FKSG26|Hu	transcrip	protein-coding
chr10-972	5.699201	-0.58663	0.9703	-0.60459	0.545451	0.981636	chr10	97254877	97255423	+	0	NA	intron (N	L1MB3|LIN	15507	NM_001256	84986	Hs.80305	NM_032900	ENSG00000	ARHGAP19	-	Rho GTPas	protein-coding
chr10-124	5.699201	-0.58663	0.9703	-0.60459	0.545451	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	7582	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-941	5.699201	-0.58663	0.9703	-0.60459	0.545451	0.981636	chr11	94156342	94157724	+	0	NA	intron (N	L1PA4|LIN	28192	NM_015368	24145	Hs.591976	NM_015368	ENSG00000	PANX1	MRS1|PX1|	pannexin	protein-coding
chr14-893	5.699201	-0.58663	0.9703	-0.60459	0.545451	0.981636	chr14	89349159	89350443	+	0	NA	intron (N	intron (N	67432	NM_005197	1112	Hs.434286	NM_005197	ENSG00000	FOXN3	C14orf116	forkhead	protein-coding
chr22-204	5.699201	-0.58663	0.9703	-0.60459	0.545451	0.981636	chr22	20426228	20427034	+	0	NA	intron (N	intron (N	11194	NM_153334	91179	Hs.474251	NM_153334	ENSG00000	SCARF2	NSR1|SREC	scavenger	protein-coding
chr1-3943	7.649497	0.508898	0.841837	0.604509	0.545505	0.981636	chr1	39430777	39431234	+	0	NA	intron (N	intron (N	21932	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1205	8.196932	0.495899	0.82053	0.604364	0.545601	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-94318	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr4-1434	8.196932	0.495899	0.82053	0.604364	0.545601	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	-54173	NM_003601	8467	Hs.558422	NM_003601	ENSG00000	SMARCA5	ISWI|SNF2	SWI/SNF r	protein-coding
chr1-5392	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr1	53921716	53922616	+	0	NA	intron (N	AluSp|SIN	23657	NR_133633	51668	Hs.525462	NM_016126	ENSG00000	HSPB11	C1orf41|H	heat shoc	protein-coding
chr1-1129	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	Intergeni	Intergeni	12660	NR_103744	1.01E+08	Hs.418285	NR_103743	ENSG00000	SLC16A1-A	-	SLC16A1 a	ncRNA
chr1-1698	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	9872	NM_001366	55732	Hs.443551	NM_018186	ENSG00000	C1orf112	-	chromosom	protein-coding
chr11-859	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr11	85987587	85989590	+	0	NA	intron (N	G-rich|Lo	80496	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr12-131	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSq2|SI	-48459	NM_016155	4326	Hs.709245	NM_016155	ENSG00000	MMP17	MMP-17|MT	matrix me	protein-coding
chr13-524	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr13	52422228	52423052	+	0	NA	intron (N	L1PA14|LI	-16468	NM_199263	55901	Hs.325667	NM_018676	ENSG00000	THSD1	TMTSP|UNG	thrombosp	protein-coding
chr14-101	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-1627	NR_029871	494328		NR_029871	ENSG00000	MIR379	MIRN379|h	microRNA	ncRNA
chr15-700	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr15	70082543	70083027	+	0	NA	intron (N	intron (N	-3317	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr16-665	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr16	66559009	66559704	+	0	NA	intron (N	L1M4|LINE	6780	NM_001204	1.01E+08	Hs.698621	NM_001202	ENSG00000	CKLF-CMTM	-	CKLF-CMTM	protein-coding
chr16-703	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr16	70373086	70373802	+	0	NA	TTS (NR_1	TTS (NR_1	26541	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr17-171	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr17	17168969	17169712	+	0	NA	intron (N	intron (N	36993	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr18-128	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr18	12827032	12828413	+	0	NA	intron (N	HAL1M8|LI	13240	NM_001308	5771	Hs.654527	NM_002828	ENSG00000	PTPN2	PTN2|PTPT	protein t	protein-coding
chr18-458	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr18	45872624	45873955	+	0	NA	intron (N	AluSx4|SI	47614	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr2-9936	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr2	99360854	99362432	+	0	NA	exon (NM_	exon (NM_	24254	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr2-2060	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	66962	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr22-458	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr22	45808240	45809269	+	0	NA	intron (N	intron (N	48230	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-2396	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr3	23967691	23968428	+	0	NA	intron (N	intron (N	21938	NM_001145	9975	Hs.37288	NM_005126	ENSG00000	NR1D2	BD73|EAR-	nuclear r	protein-coding
chr3-6390	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr3	63900594	63901688	+	0	NA	intron (N	L1MA8|LIN	2742	NM_001177	6314	Hs.476595	NM_000333	ENSG00000	ATXN7	ADCAII|OP	ataxin 7	protein-coding
chr3-1237	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MIRb|SINE	70443	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-1443	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr5	14438354	14438900	+	0	NA	intron (N	intron (N	-25356	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1548	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSg7|SI	9637	NM_001301	9337	Hs.26703	NM_004779	ENSG00000	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr5-1772	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	Charlie1a	39825	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr7-4734	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr7	47347462	47348172	+	0	NA	intron (N	MIRc|SINE	116986	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-9264	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr7	92642650	92643385	+	0	NA	intron (N	AluJb|SIN	-52627	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr8-2266	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr8	22663415	22664882	+	0	NA	intron (N	intron (N	4973	NM_018688	55909	Hs.433722	NM_018688	ENSG00000	BIN3	-	bridging	protein-coding
chr9-1347	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-87031	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 ar	ncRNA
chrX-7425	5.691343	-0.58448	0.967871	-0.60389	0.545919	0.981636	chrX	74259749	74260208	+	0	NA	intron (N	LTR9B|LTR	27231	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|h	microRNA	ncRNA
chr17-387	9.244374	-0.48636	0.805434	-0.60385	0.545946	0.981636	chr17	38720599	38720798	+	0	NA	TTS (NR_0	TTS (NR_0	1007	NR_039879	1.01E+08		NR_039879	ENSG00000	MIR4726	-	microRNA	ncRNA
chr4-1675	3.922686	-0.70143	1.161702	-0.6038	0.545978	0.981636	chr4	16755010	16755862	+	0	NA	intron (N	intron (N	143209	NM_001130	9079	Hs.714330	NM_001290	ENSG00000	LDB2	CLIM1|LDB	LIM domai	protein-coding
chr12-372	25.52628	0.297278	0.49237	0.603769	0.545997	0.981636	chr12	37239716	37240355	+	0	NA	Intergeni	ALR/Alpha	-1076739	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr12-122	12.81171	-0.40063	0.663635	-0.6037	0.546046	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	1966	NR_036435	65117	Hs.432996	NM_023012	ENSG00000	RSRC2	-	arginine	protein-coding
chr1-9358	7.475717	-0.52583	0.871051	-0.60367	0.546061	0.981636	chr1	93588910	93589932	+	0	NA	intron (N	intron (N	-2547	NR_034091	1E+08	Hs.729244	NR_034091		LOC100129	-	uncharact	ncRNA
chr10-997	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr10	99711893	99712239	+	0	NA	TTS (NM_0	TTS (NM_0	-20168	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr14-677	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr14	67748090	67748330	+	0	NA	3’ UTR (N	3’ UTR (N	46324	NM_152443	145226	Hs.415322	NM_152443	ENSG00000	RDH12	LCA13|RP5	retinol d	protein-coding
chr2-3256	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr2	32561348	32561547	+	0	NA	intron (N	AluSz|SIN	13371	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr3-1467	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr3	14670799	14671532	+	0	NA	non-codin	non-codin	-3976	NM_001184	84077	Hs.661452	NM_032137	ENSG00000	C3orf20	-	chromosom	protein-coding
chr9-1089	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	11198	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr9-1204	7.641639	0.510926	0.846652	0.603466	0.546199	0.981636	chr9	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-155846	NR_029604	406939		NR_029604	ENSG00000	MIR147A	MIR147|MI	microRNA	ncRNA
chr1-5649	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr1	56492864	56497255	+	0	NA	3’ UTR (N	3’ UTR (N	80096	NR_147163	1.05E+08	Hs.183974	NR_147163	ENSG00000	LINC01767	-	long inte	ncRNA
chr1-7792	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr1	77928753	77931094	+	0	NA	intron (N	intron (N	-40384	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr11-118	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	5738	NM_001257	1656	Hs.408461	NM_004397	ENSG00000	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr13-370	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr13	37055979	37056632	+	0	NA	intron (N	L1PA4|LIN	3182	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr20-198	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr20	19890315	19894731	+	0	NA	intron (N	(AATT)n|S	2957	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr3-1944	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	13346	NM_024524	79572	Hs.529609	NM_024524	ENSG00000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr7-1308	10.13586	-0.44511	0.737829	-0.60327	0.546329	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluJr|SIN	-12206	NR_029517	407024		NR_029517	ENSG00000	MIR29B1	MIRN29B1|	microRNA	ncRNA
chr16-162	9.936281	0.470997	0.781107	0.602987	0.546517	0.981636	chr16	16271208	16272055	+	0	NA	intron (N	intron (N	-28528	NR_128709	1.04E+08		NR_128709	ENSG00000	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr1-4294	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr1	42946133	42948813	+	0	NA	intron (N	AluSz|SIN	11395	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr1-6265	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr1	62650356	62652707	+	0	NA	intron (N	intron (N	36837	NM_001330	85440	Hs.744927	NM_033407	ENSG00000	DOCK7	EIEE23|ZI	dedicator	protein-coding
chr11-738	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr11	73873772	73874873	+	0	NA	intron (N	AluSp|SIN	-2377	NM_001267	80227	Hs.525017	NM_025155	ENSG00000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr11-741	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr11	74115620	74117769	+	0	NA	intron (N	L1PB1|LIN	54308	NM_015531	26005	Hs.557938	NM_015531	ENSG00000	C2CD3	OFD14	C2 domain	protein-coding
chr12-928	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr12	92836214	92836875	+	0	NA	intron (N	intron (N	92751	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early end	protein-coding

chr12-122	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz|SIN	21920	NM_014708	9735	Hs.300559	NM_014708	ENSG0000C	KNTC1	ROD	kinetochc	protein-coding
chr16-474	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr16	47456709	47456908	+	0	NA	intron (N	intron (N	4255	NM_030790	81533	Hs.42217	NM_030790	ENSG0000C	ITFG1	2310047C2	integrin	protein-coding
chr17-486	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr17	4861473	4861955	+	0	NA	intron (N	AluSx|SIN	28374	NM_170663	50488	Hs.443417	NM_015716	ENSG0000C	MINK1	B55|MAP4K	misshaper	protein-coding
chr17-644	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr17	64483092	64484186	+	0	NA	intron (N	intron (N	13415	NM_007215	11232	Hs.437009	NM_007215	ENSG0000C	POLG2	HP55|MTPC	DNA polym	protein-coding
chr19-341	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr19	3419890	3420330	+	0	NA	intron (N	AluJo|SIN	53527	NM_001245	4782	Hs.170131	NM_005597	ENSG0000C	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr2-6817	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr2	68170192	68172000	+	0	NA	intron (N	HAL1|LINE	13208	NM_020143	56902	Hs.262858	NM_020143	ENSG0000C	PNO1	KHRBP1|RF	partner c	protein-coding
chr2-1117	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	Tigger4a|	-28419	NR_039929	1.01E+08		NR_039929	ENSG0000C	MIR4771-2	-	microRNA	ncRNA
chr21-261	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr21	26109505	26111557	+	0	NA	intron (N	intron (N	29859	NM_001136	351	Hs.434980	NM_000484	ENSG0000C	APP	AAA|ABETA	amyloid b	protein-coding
chr3-1899	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	135542	NR_030642	1E+08		NR_030642	ENSG0000C	MIR944	MIRN944|h	microRNA	ncRNA
chr5-8105	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr5	81053464	81054374	+	0	NA	intron (N	L1PA5|LIN	-93012	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG0000C	RASGRF2-A	-	RASGRF2 a	ncRNA
chr6-4223	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr6	42231117	42232263	+	0	NA	intron (N	intron (N	-13829	NM_018141	55173	Hs.380887	NM_018141	ENSG0000C	MRPS10	MRP-S10|F	mitochonc	protein-coding
chr7-1347	5.650204	-0.58898	0.977503	-0.60254	0.546817	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	14562	NM_033138	800	Hs.490203	NM_004342	ENSG0000C	CALD1	CDM|H-CAD	caldesmor	protein-coding
chr13-467	7.723918	0.513221	0.851781	0.602527	0.546823	0.981636	chr13	46728315	46729905	+	0	NA	intron (N	intron (N	68051	NM_001984	2098	Hs.432491	NM_001984	ENSG0000C	ESD	FGH	esterase	protein-coding
chr15-722	7.723918	0.513221	0.851781	0.602527	0.546823	0.981636	chr15	72250640	72251163	+	0	NA	non-codir	non-codir	-19277	NM_001206	5315	Hs.534770	NM_002654	ENSG0000C	PKM	CTHBP|HEI	pyruvate	protein-coding
chr20-499	7.723918	0.513221	0.851781	0.602527	0.546823	0.981636	chr20	49904274	49905933	+	0	NA	3’ UTR (N	3’ UTR (N	8636	NM_001135	9825	Hs.48513	NM_006038	ENSG0000C	SPATA2	PD1|PPP1F	spermatog	protein-coding
chr4-8469	7.723918	0.513221	0.851781	0.602527	0.546823	0.981636	chr4	84694276	84694637	+	0	NA	intron (N	intron (N	111329	NM_001263	1040	Hs.654899	NM_001263	ENSG0000C	CDS1	CDS 1	CDP-diacy	protein-coding
chr9-1249	7.723918	0.513221	0.851781	0.602527	0.546823	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	29628	NM_002077	2800	Hs.59504	NM_002077	ENSG0000C	GOLGA1	golgin-97	golgin A1	protein-coding
chr1-1800	7.411003	-0.52418	0.869982	-0.60251	0.546832	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-75796	NM_001004	5768	Hs.719176	NM_002826	ENSG0000C	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-572	7.411003	-0.52418	0.869982	-0.60251	0.546832	0.981636	chr10	5723184	5724015	+	0	NA	intron (N	intron (N	38761	NM_001321	54906	Hs.610717	NM_017782	ENSG0000C	TASOR2	C10orf18|	transcrip	protein-coding
chr2-4393	7.411003	-0.52418	0.869982	-0.60251	0.546832	0.981636	chr2	43932928	43933572	+	0	NA	intron (N	intron (N	62739	NM_133259	10128	Hs.368084	NM_133259	ENSG0000C	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-2004	7.411003	-0.52418	0.869982	-0.60251	0.546832	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	61494	NM_001321	130535	Hs.605775	NM_152387	ENSG0000C	KCTD18	6530404F1	potassium	protein-coding
chr4-6728	7.411003	-0.52418	0.869982	-0.60251	0.546832	0.981636	chr4	672814	673098	+	0	NA	intron (N	AluSq|SIN	1320	NR_033743	521	Hs.85539	NM_007100	ENSG0000C	ATP5ME	ATP5I|ATF	ATP synth	protein-coding
chr17-350	6.689602	0.568204	0.94319	0.602428	0.54689	0.981636	chr17	35020803	35021508	+	0	NA	intron (N	(A)n|Simp	40643	NM_013975	3980	Hs.100299	NM_002311	ENSG0000C	LIG3	LIG2|LIG3	DNA ligas	protein-coding
chr13-113	7.160767	0.532695	0.884454	0.602287	0.546983	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	40053	NM_001349	55002	Hs.317593	NM_017905	ENSG0000C	TMCO3	C13orf11	transmemb	protein-coding
chr18-634	7.160767	0.532695	0.884454	0.602287	0.546983	0.981636	chr18	63417358	63417642	+	0	NA	intron (N	L2a|LINE|	4976	NM_004869	9525	Hs.126550	NM_004869	ENSG0000C	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr20-463	7.160767	0.532695	0.884454	0.602287	0.546983	0.981636	chr20	46374358	46374998	+	0	NA	intron (N	intron (N	-10220	NM_001281	51006	Hs.593344	NM_015945	ENSG0000C	SLC35C2	BA39402.1	solute ca	protein-coding
chr5-1391	7.160767	0.532695	0.884454	0.602287	0.546983	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	MIR|SINE|	78074	NM_001037	64374	Hs.483521	NM_022464	ENSG0000C	SIL1	BAP|MSS|U	SIL1 nucl	protein-coding
chr6-2048	7.160767	0.532695	0.884454	0.602287	0.546983	0.981636	chr6	20488668	20488981	+	0	NA	intron (N	AluSc5|SI	-45633	NM_017774	54901	Hs.657604	NM_017774	ENSG0000C	CDKAL1	-	CDK5 regu	protein-coding
chr11-749	7.377722	-0.52932	0.879026	-0.60216	0.547066	0.981636	chr11	74952591	74953343	+	0	NA	intron (N	intron (N	3701	NM_014752	9789	Hs.282700	NM_014752	ENSG0000C	SPCS2	-	signal pe	protein-coding
chr3-1341	7.377722	-0.52932	0.879026	-0.60216	0.547066	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	TTS (NM_C	TTS (NM_C	93899	NM_002958	6259	Hs.654562	NM_002958	ENSG0000C	RYK	D3S3195|J	receptor	protein-coding
chr6-8220	7.377722	-0.52932	0.879026	-0.60216	0.547066	0.981636	chr6	82204132	82204589	+	0	NA	intron (N	intron (N	43384	NM_001300	25998	Hs.306425	NM_015525	ENSG0000C	IBTK	BTBD26|BT	inhibitor	protein-coding
chr1-1947	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr1	19471351	19471686	+	0	NA	intron (N	intron (N	12777	NM_001282	832	Hs.432760	NM_004930	ENSG0000C	CAPZB	CAPB|CAPF	capping a	protein-coding
chr10-121	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr10	12163815	12164889	+	0	NA	TTS (NM_C	TTS (NM_C	31539	NM_014142	11164	Hs.555956	NM_014142	ENSG0000C	NUDT5	YSA1|YSA1	nudix hyc	protein-coding
chr11-891	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr11	8914812	8915862	+	0	NA	intron (N	intron (N	4148	NM_001206	56672	Hs.131180	NM_020642	ENSG0000C	AKIP1	BCA3|C11c	A-kinase	protein-coding
chr12-112	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJb|SIN	17428	NM_024953	80018	Hs.530941	NM_024953	ENSG0000C	NAA25	C12orf30|	N(alpha)-	protein-coding
chr15-101	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	18728	NM_014918	22856	Hs.110488	NM_014918	ENSG0000C	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr17-295	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr17	29505407	29505606	+	0	NA	intron (N	AluSq2|SI	61531	NM_198147	116236	Hs.106510	NM_198147	ENSG0000C	ABHD15	-	abhydrola	protein-coding
chr19-210	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr19	21052675	21053824	+	0	NA	intron (N	intron (N	-28898	NR_117087	148206	Hs.729186	NM_182515	ENSG0000C	ZNF714	-	zinc fing	protein-coding
chr19-554	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr19	55405890	55406800	+	0	NA	intron (N	intron (N	1443	NM_014501	27338	Hs.396393	NM_014501	ENSG0000C	UBE2S	E2-EPF|E2	ubiquitir	protein-coding
chr2-1681	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr2	1681461	1683006	+	0	NA	intron (N	intron (N	62282	NM_012293	7837	Hs.332197	NM_012293	ENSG0000C	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-1018	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	L3|LINE|C	-98385	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr4-1187	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	MIRb|SINE	59007	NM_020961	57721	Hs.596872	NM_020961	ENSG0000C	METTL14	hMETTL14	methyltra	protein-coding
chr5-1430	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr5	14304025	14307627	+	0	NA	intron (N	Tigger3a|	-158157	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1093	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJr|SIN	-28515	NR_149040	285638	Hs.532104	NR_149040	ENSG0000C	LOC285638	-	uncharact	ncRNA
chr5-1782	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	2448	NM_004499	3182	Hs.591731	NM_004499	ENSG0000C	HNRNPAB	ABBP1|HNF	heteroger	protein-coding
chr8-2814	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr8	28149071	28149669	+	0	NA	intron (N	L1MCa|LIN	56231	NM_001284	55140	Hs.491336	NM_018091	ENSG0000C	ELP3	KAT9	elongator	protein-coding
chr8-1167	7.880318	-0.49965	0.829793	-0.60214	0.547078	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5707	NM_032334	84294	Hs.86970	NM_032334	ENSG0000C	UTP23	C8orf53	UTP23 sma	protein-coding
chr12-112	7.111769	0.533742	0.886499	0.602079	0.547122	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJr|SIN	93856	NM_001109	283450	Hs.530943	NM_173813	ENSG0000C	HECTD4	C12ord51|	HECT doma	protein-coding
chr12-111	6.623039	0.561086	0.931994	0.602028	0.547156	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MB7|LIN	62148	NM_002973	6311	Hs.76253	NM_002973	ENSG0000C	ATXN2	ATX2|SCA2	ataxin 2	protein-coding
chr10-101	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	22302	NM_022039	6468	Hs.500822	NM_022039	ENSG0000C	FBXW4	DAC|FBW4|	F-box anc	protein-coding
chr14-954	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr14	95449583	95450116	+	0	NA	intron (N	intron (N	25986	NM_001363	161176	Hs.41502	NM_024633	ENSG0000C	SYNE3	C14orf139	spectrin	protein-coding
chr17-202	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr17	20259948	20261173	+	0	NA	intron (N	MER91A|DN	-60614	NR_023380	348254	Hs.462475	NR_023380		CCDC144CF	CCDC144C	coiled-cc	pseudo
chr19-111	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr19	11169142	11169420	+	0	NA	intron (N	AluSz|SIN	-13469	NM_001317	147841	Hs.381225	NM_182513	ENSG0000C	SPC24	SPBC24	SPC24 com	protein-coding
chr19-139	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr19	13912301	13913734	+	0	NA	intron (N	MIRb|SINE	6816	NM_017721	54862	Hs.269592	NM_017721	ENSG0000C	CC2D1A	FREUD-1|F	coiled-cc	protein-coding
chr19-482	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr19	48285791	48287459	+	0	NA	exon (NM_	exon (NM_	15338	NM_001369	163071	Hs.511883	NM_153608	ENSG0000C	ZNF114	-	zinc fing	protein-coding
chr2-1903	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	25934	NM_001128	3628	Hs.32309	NM_002194	ENSG0000C	INPP1	-	inositol	protein-coding
chr3-4436	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr3	44367052	44367695	+	0	NA	intron (N	intron (N	28607	NM_173826	285343	Hs.55131	NM_173826	ENSG0000C	TCAIM	C3orf23|T	T cell ac	protein-coding
chr3-6391	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr3	63915862	63916198	+	0	NA	intron (N	intron (N	-4258	NR_148359	1.01E+08		NR_148359	ENSG0000C	SCAANT1	ATXN7-AS1	SCA7/ATXN	ncRNA
chr7-1284	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJo|SIN	17367	NM_018396	55798	Hs.433213	NM_018396	ENSG0000C	METTL2B	METL|MET1	methyltra	protein-coding
chr8-3059	7.657355	0.506838	0.841971	0.601966	0.547197	0.981636	chr8	30596383	30597627	+	0	NA	intron (N	L1MEc|LIN	-41575	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG0000C	SMIM18	-	small int	protein-coding
chr1-1112	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr1	11125560	11131633	+	0	NA	intron (N	intron (N	-15302	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG0000C	MTOR-AS1	-	MTOR anti	ncRNA
chr1-1516	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	49620	NM_001330	81609	Hs.192326	NM_030918	ENSG0000C	SNX27	MRT1|MYO1	sorting r	protein-coding
chr11-354	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr11	35464963	35470397	+	0	NA	intron (N	intron (N	-47622	NM_001195	6506	Hs.502338	NM_004171	ENSG0000C	SLC1A2	EAAT2|EIF	solute ca	protein-coding
chr11-652	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr11	65204450	65206712	+	0	NA	intron (N	intron (N	-8259	NR_033396	440044	Hs.532372	NM_001004	ENSG0000C	SLC22A20F	Oat6|SLC2	solute ca	pseudo
chr12-706	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr12	7062734	7069770	+	0	NA	intron (N	intron (N	5534	NM_201442	716	Hs.458355	NM_001734	ENSG0000C	C1S	EDSPD2	complemer	protein-coding
chr13-322	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr13	32275578	32276151	+	0	NA	intron (N	intron (N	36090	NM_001136	646799	Hs.569254	NM_001136	ENSG0000C	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr18-291	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr18	2918805	2921921	+	0	NA	exon (NM_	exon (NM_	26260	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr18-241	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr18	24147583	24149264	+	0	NA	intron (N	intron (N	8939	NM_138644	26256	Hs.511983	NM_012189	ENSG0000C	CABYR	CABYRa|CA	calcium b	protein-coding
chr18-352	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr18	35267122	35267519	+	0	NA	intron (N	CpG	22909	NM_001112	1E+08	Hs.619840	NM_001112	ENSG0000C	ZSCAN30	ZNF-WYM|Z	zinc fing	protein-coding
chr22-312	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr22	31271882	31276790	+	0	NA	intron (N	intron (N	18152	NM_052880	113791	Hs.26670	NM_052880	ENSG0000C	PIK3IP1	HGFL|TrIF	phosphoir	protein-coding
chr4-5627	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr4	5627939	5628506	+	0	NA	intron (N	MSTD|LTR|	80337	NM_147127	132884	Hs.87306	NM_147127	ENSG0000C	EVC2	LBN|WAD	EvC cilia	protein-coding
chr7-6596	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr7	65969819	65970430	+	0	NA	intron (N	FLAM_C|SI	12089	NM_001293	2990	Hs.255230	NM_000181	ENSG0000C	GUSB	BG|MPS7	glucuroni	protein-coding
chr9-1217	8.220506	0.490069	0.814291	0.601835	0.547284	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	30964	NM_138709	153090	Hs.522378	NM_032552	ENSG0000C	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr11-957	5.180889	-0.63293	1.051938	-0.60168	0.547388	0.981636	chr11	95777423	95777801	+	0	NA	intron (N	intron (N	12170	NM_144664	143684	Hs.288304	NM_144664	ENSG0000C	FAM76B	-	family wi	protein-coding
chr2-3253	5.180889	-0.63293	1.051938	-0.60168	0.547388	0.981636	chr2	32534685	32535248	+	0	NA	intron (N	L1MEg|LIN	2813	NR_030285	693143		NR_030285	ENSG0000C	MIR558	MIRN558|h	microRNA	ncRNA
chr9-1113	5.180889	-0.63293	1.051938	-0.60168	0.547388	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSc8|SI	-47876	NM_205859	26248	Hs.381312	NM_205859	ENSG0000C	OR2K2	HSHTPCRHC	olfactory	protein-coding
chr12-295	7.452143	-0.52078	0.865656	-0.6016	0.54744	0.981636	chr12	29502767	29503025	+	0	NA	3’ UTR (N	3’ UTR (N	-3203	NM_001353	341350	Hs.674588	NM_183378	ENSG0000C	OVCH1	OVCH	ovochymas	protein-coding
chr1-1677	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	3’ UTR (N	3’ UTR (N	67961	NM_024569	9019	Hs.493919	NM_003953	ENSG0000C	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr1-1838	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	79184	NM_001297	23179	Hs.497148	NM_015149	ENSG0000C	RGL1	RGL	ral guani	protein-coding
chr10-380	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr10	38055202	38056799	+	0	NA	exon (NM_	exon (NM_	-38336	NM_001324	7587	Hs.292575	NM_003421	ENSG0000C	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr10-994	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr10	99402220	99402813	+	0	NA	intron (N	intron (N	28108	NM_002079	2805	Hs.500756	NM_002079	ENSG0000C	GOT1	AST1|ASTQ	glutamic-	protein-coding
chr11-124	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MA8|LIN	23352	NM_001130	4013	Hs.152944	NM_014622	ENSG0000C	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr16-247	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr16	24732175	24733034	+	0	NA	intron (N	MIR|SINE|	2953	NM_014494	27327	Hs.655057	NM_014494	ENSG0000C	TNRC6A	CAGH26|FA	trinuclec	protein-coding
chr18-368	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr18	36805299	36805882	+	0	NA	intron (N	intron (N	23412	NM_001330	25941	Hs.436636	NM_015476	ENSG0000C	TPGS2	C18orf10|	tubulin p	protein-coding
chr20-114	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr20	1142605	1142804	+	0	NA	intron (N	L1PA4|LIN	24102	NM_001323	9491	Hs.471917	NM_006814	ENSG0000C	PSMF1	PI31	proteasom	protein-coding
chr3-1281	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	Tigger1|D	-3989	NM_001319	8607	Hs.272822	NM_003707	ENSG0000C	RUVBL1	ECP-54|EC	RuvB like	protein-coding
chr4-3890	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr4	38901446	38902371	+	0	NA	intron (N	intron (N	33876	NR_030300	693159		NR_030300	ENSG0000C	MIR574	MIR574-3p	microRNA	ncRNA
chr6-4300	8.179367	0.488926	0.813482	0.601028	0.547821	0.981636	chr6	43008166	43009878	+	0	NA	intron (N	intron (N	4924	NM_014623	4201	Hs.278362	NM_014623	ENSG0000C	MEA1	HYS|MEA	male-enha	protein-coding
chr11-575	11.47504	0.426995	0.71045	0.60102	0.547827	0.981636	chr11	57550907	57551515	+	0	NA	TTS (NM_C	TTS (NM_C	8570	NM_001105	219537	Hs.68756	NM_001105	ENSG0000C	SMTNL1	CHASM	smootheli	protein-coding
chr18-260	10.34088	0.446239	0.742469	0.60102	0.547827	0.981636	chr18	26016318	26016646	+	0	NA	3’ UTR (N	3’ UTR (N	74131	NM_001007	6760	Hs.129261	NM_005637	ENSG0000C	SS18	SSXT|SYT	SS18 subu	protein-coding
chr19-403	10.94517	0.437762	0.729008	0.60049	0.54818	0.981636	chr19	40371603	40373357	+	0	NA	intron (N	AluJr|SIN	2634	NR_106854	1.02E+08		NR_106854	ENSG0000C	MIR6796	hsa-mir-6	microRNA	ncRNA
chr1-1554	7.847036	-0.50447	0.84024	-0.60039	0.548247	0.981636	chr1	15548217	15548711	+	0	NA	intron (N	intron (N	6298	NR_135613	1.07E+08		NR_135613	ENSG0000C	SCARNA21E	-	small Ca	ncRNA
chr15-762	7.847036	-0.50447	0.84024	-0.60039	0.548247	0.981636	chr15	76243087	76243286	+	0	NA	intron (N	AluSz|SIN	16966	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr5-1383	7.847036	-0.50447	0.84024	-0.60039	0.548247	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSx|SIN	21538	NM_016604	51780	Hs.483486	NM_016604	ENSG0000C	KDM3B	5qNCA|C5c	lysine de	protein-coding
chrX-4575	7.847036	-0.50447	0.84024	-0.60039	0.548247	0.981636	chrX	45752088	45753555	+	0	NA	Intergeni	(AC)n|Sim	-5697	NR_029636	407007		NR_029636	ENSG0000C	MIR222	MIRN222|m	microRNA	ncRNA
chr10-231	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr10	23104282	23105863	+	0	NA	intron (N	intron (N	9493	NM_012228	22921	Hs.461420	NM_012228	ENSG0000C	MSRB2	CBS-1|CBS	methionir	protein-coding
chr11-739	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr11	73901671	73902489	+	0	NA	intron (N	AluSz6|SI	13299	NM_001363	80227	Hs.525017	NM_025155	ENSG0000C	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr12-122	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz6|SI	-14420	NM_019887	56616	Hs.169611	NM_019887	ENSG0000C	DIABLO	DFNA64|SM	diablo IA	protein-coding
chr13-728	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr13	72851327	72852305	+	0	NA	intron (N	MER52A|LT	69683	NR_146205	10464	Hs.441926	NM_006346	ENSG0000C	PIBF1	C13orf24|	progester	protein-coding
chr14-911	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr14	91145655	91146788	+	0	NA	intron (N	MIRb|SINE	19795	NR_003709	1E+08	Hs.693444	NR_003709	ENSG0000C	SNORA11B	-	small nuc	snoRNA
chr15-281	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr15	28145536	28145967	+	0	NA	intron (N	intron (N	-46436	NM_000275	4948	Hs.654411	NM_000275	ENSG0000C	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr17-812	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr17	81282378	81283586	+	0	NA	intron (N	intron (N	12325	NM_001037	124565	Hs.352240	NM_138570	ENSG0000C	SLC38A10	PP1744	solute ca	protein-coding
chr18-633	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr18	63345355	63346313	+	0	NA	intron (N	AluSq2|SI	21372	NM_002035	2531	Hs.74050	NM_002035	ENSG0000C	KDSR	DHSR|EKVF	3-ketodih	protein-coding
chr2-4655	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr2	46559007	46561643	+	0	NA	intron (N	HAL1|LINE	-17748	NM_001318	90423	Hs.437691	NM_080653	ENSG0000C	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr22-219	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr22	21923000	21924308	+	0	NA	intron (N	intron (N	-14583	NR_147620	1E+08	Hs.659180	NR_147620		LOC100286	-	uncharact	ncRNA
chr3-4990	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr3	49909229	49910222	+	0	NA	intron (N	intron (N	-5852	NM_001244	4486	Hs.517973	NM_002447	ENSG0000C	MST1R	CD136|CDw	macrophag	protein-coding
chr3-5165	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr3	51657385	51658234	+	0	NA	intron (N	intron (N	-13366	NM_001129	51368	Hs.517864	NM_015926	ENSG0000C	TEX264	ZSIG11	testis ex	protein-coding
chr8-9003	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr8	90039628	90040940	+	0	NA	intron (N	L4_A_Mam|	38807	NM_001359	1666	Hs.492212	NM_001359	ENSG0000C	DECR1	DECR|NADF	2,4-dienc	protein-coding
chr9-3752	4.956261	0.622797	1.03749	0.600292	0.548312	0.981636	chr9	37528061	37529593	+	0	NA	intron (N	MER117|DN	42879	NM_022490	64425	Hs.591087	NM_022490	ENSG0000C	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr1-2675	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	26753444	26753701	+	0	NA	intron (N	intron (N	-34391	NM_017837	55650	Hs.259605	NM_017837	ENSG0000C	PIGV	GPI-MT-II	phosphati	protein-coding
chr1-2684	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	26849820	26852688	+	0	NA	intron (N	intron (N	-11895	NM_006142	2810	Hs.523718	NM_006142	ENSG0000C	SFN	YWHAS	stratifir	protein-coding
chr1-5421	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	54210184	54213754	+	0	NA	intron (N	Chap1_Mam	11802	NM_016491	51253	Hs.584908	NM_016491	ENSG0000C	MRPL37	L2mt|L37m	mitochonc	protein-coding
chr1-1847	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	20131	NM_001319	80267	Hs.523811	NM_025191	ENSG0000C	EDEM3	C1orf22	ER degrac	protein-coding
chr1-2365	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	39052	NM_018072	55127	Hs.708114	NM_018072	ENSG0000C	HEATR1	BAP28|UTF	HEAT repe	protein-coding
chr1-2432	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	23384	NM_014812	9859	Hs.533635	NM_014812	ENSG0000C	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-102	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx1|SI	-13368	NM_001288	4791	Hs.73090	NM_002502	ENSG0000C	NFKB2	CVID10|H2	nuclear f	protein-coding
chr11-472	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr11	47274716	47278577	+	0	NA	intron (N	intron (N	-4536	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG0000C	LOC101928	-	uncharact	ncRNA
chr11-652	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr11	65208107	65211499	+	0	NA	intron (N	intron (N	-4037	NR_033396	440044	Hs.532372	NM_001004	ENSG0000C	SLC22A20F	Oat6|SLC2	solute ca	pseudo
chr11-119	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	9967	NM_001351	25988	Hs.504091	NM_015517	ENSG0000C	HINFP	HiNF-P|MI	histone H	protein-coding
chr12-804	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr12	8042100	8045961	+	0	NA	exon (NM_	exon (NM_	11314	NM_018416	55810	Hs.120844	NM_018416	ENSG0000C	FOXJ2	FHX	forkhead	protein-coding
chr15-943	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr15	94349151	94350678	+	0	NA	intron (N	intron (N	-6016	NM_001159	55784	Hs.33368	NM_018349	ENSG0000C	MCTP2	-	multiple	protein-coding
chr16-146	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr16	14621430	14628077	+	0	NA	intron (N	AluSp|SIN	5507	NM_002582	5073	Hs.253197	NM_002582	ENSG0000C	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr16-151	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr16	15104728	15106112	+	0	NA	intron (N	intron (N	11009	NR_125434	1.01E+08	Hs.678758	NR_125434	ENSG0000C	LOC100505	-	uncharact	ncRNA

chr16-274	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr16	27479634	27489832	+	0	NA	intron (N	intron (N	-31340	NR_037158	283888	Hs.660935	NR_037158	ENSG00000	IL21R-AS1	-	IL21R ant	ncRNA
chr17-430	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr17	43015244	43018627	+	0	NA	intron (N	AluSp|SIN	5450	NM_006373	10493	Hs.514199	NM_006373	ENSG00000	VAT1	VATI	vesicle a	protein-coding
chr18-235	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr18	23536317	23544351	+	0	NA	intron (N	intron (N	36823	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|F	regulator	protein-coding
chr19-119	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr19	11940268	11942752	+	0	NA	intron (N	LTR12C|LT	16403	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr19-153	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr19	15364387	15373054	+	0	NA	intron (N	intron (N	11067	NM_005858	10270	Hs.594496	NM_005858	ENSG00000	AKAP8	AKAP 95|A	A-kinase	protein-coding
chr19-356	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr19	35651026	35659491	+	0	NA	intron (N	AluSc8|SI	6935	NM_001863	1340	Hs.431668	NM_001863	ENSG00000	COX6B1	COX6B|COX	cytochrom	protein-coding
chr2-2406	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr2	24066596	24068952	+	0	NA	exon (NM_	exon (NM_	8552	NM_016047	51639	Hs.177861	NM_016047	ENSG00000	SF3B6	CGI-110|F	splicing	protein-coding
chr20-460	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr20	46064134	46065061	+	0	NA	intron (N	intron (N	25365	NM_020967	57727	Hs.654991	NM_020967	ENSG00000	NCOA5	CIA|bA465	nuclear r	protein-coding
chr20-516	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr20	51668688	51670465	+	0	NA	intron (N	intron (N	98814	NM_006045	10079	Hs.649234	NM_006045	ENSG00000	ATP9A	ATPIIA	ATPase ph	protein-coding
chr21-436	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr21	43685124	43687148	+	0	NA	intron (N	intron (N	26576	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr21-465	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr21	46580479	46583001	+	0	NA	Intergeni	L1PA10|LI	23342	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr3-1650	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr3	16500774	16501113	+	0	NA	intron (N	intron (N	12756	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr4-7076	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr4	70763128	70767030	+	0	NA	intron (N	AluSz6|SI	30669	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr5-3126	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr5	31267187	31269735	+	0	NA	intron (N	intron (N	74775	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr5-5537	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr5	55374437	55375525	+	0	NA	intron (N	MER11C|LT	66992	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-7966	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr5	79661643	79662809	+	0	NA	intron (N	Tigger1|D	-27610	NM_153610	202333	Hs.482625	NM_153610	ENSG00000	CMYA5	C5orf10|S	cardiomyo	protein-coding
chr7-1275	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	2350	NM_001662	381	Hs.653202	NM_001662	ENSG00000	ARF5	-	ADP ribos	protein-coding
chr7-1285	8.187224	0.487013	0.811451	0.600175	0.54839	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	MER6A|DNA	-47982	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr1-8968	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr1	89687733	89688913	+	0	NA	intron (N	L2a|LINE|	55203	NM_032270	84230	Hs.412836	NM_032270	ENSG00000	LRRC8C	AD158|FAD	leucine r	protein-coding
chr1-1698	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	intron (N	L1PA16|LI	43767	NM_001366	55732	Hs.443551	NM_018186	ENSG00000	C1orf112	-	chromosom	protein-coding
chr11-748	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr11	74881654	74883166	+	0	NA	intron (N	L1PA2|LIN	66681	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rac	protein-coding
chr11-963	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr11	96372287	96373930	+	0	NA	intron (N	intron (N	16708	NM_001363	79780	Hs.525088	NM_014148	ENSG00000	CCDC82	HSPC048	coiled-cc	protein-coding
chr12-563	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr12	56303142	56304046	+	0	NA	Intergeni	AluJo|SIN	-3264	NM_004077	1431	Hs.743252	NM_004077	ENSG00000	CS	-	citrate s	protein-coding
chr14-103	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	36279	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr15-343	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr15	34361115	34362236	+	0	NA	intron (N	intron (N	5521	NM_153613	254531	Hs.352614	NM_153613	ENSG00000	LPCAT4	AGPAT7|AY	lysophosp	protein-coding
chr17-784	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr17	784452	784857	+	0	NA	intron (N	intron (N	2301	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochonc	protein-coding
chr17-511	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr17	51182519	51183690	+	0	NA	intron (N	intron (N	16382	NM_001018	4831	Hs.463456	NM_002512	ENSG00000	NME2	NDKB|NDPK	NME/NM23	protein-coding
chr18-686	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr18	68690229	68691331	+	0	NA	TTS (NM_0	TTS (NM_0	24328	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr2-2026	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr2	20261349	20263342	+	0	NA	intron (N	Tigger3b|	-36912	NM_001006	6382	Hs.224607	NM_002997	ENSG00000	SDC1	CD138|SDC	syndecan	protein-coding
chr2-3278	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr2	32780492	32781247	+	0	NA	intron (N	L1MB8|LIN	-44564	NR_027098	285045	Hs.434660	NR_027097	ENSG00000	LINC00486	-	long inte	ncRNA
chr2-3712	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr2	37127641	37129258	+	0	NA	intron (N	intron (N	19373	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|F	eukaryoti	protein-coding
chr2-2060	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	80090	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr2-2075	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	L1MC4a|LI	10260	NM_001371428								
chr20-130	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr20	1306212	1306583	+	0	NA	3’ UTR (N	3’ UTR (N	7276	NM_015685	27111	Hs.657015	NM_015685	ENSG00000	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr3-3309	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr3	33090279	33091323	+	0	NA	3’ UTR (N	3’ UTR (N	6031	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr3-4571	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr3	45713397	45715367	+	0	NA	intron (N	intron (N	24986	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr3-1363	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	90090	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr3-1795	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	18779	NM_004301	86	Hs.435326	NM_004301	ENSG00000	ACTL6A	ACTL6|ARF	actin lik	protein-coding
chr4-8911	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr4	89113771	89115516	+	0	NA	3’ UTR (N	3’ UTR (N	1826	NM_145715	166815	Hs.58924	NM_145715	ENSG00000	TIGD2	HEL106	tigger tr	protein-coding
chr5-3849	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr5	38490724	38491391	+	0	NA	intron (N	intron (N	45511	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AG	EGF like,	protein-coding
chr5-7966	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr5	79668947	79670312	+	0	NA	intron (N	intron (N	-20207	NM_153610	202333	Hs.482625	NM_153610	ENSG00000	CMYA5	C5orf10|S	cardiomyo	protein-coding
chr6-8970	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr6	89701188	89701710	+	0	NA	intron (N	intron (N	-62702	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr6-1553	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	L1ME1|LIN	9866	NM_016020	51106	Hs.279908	NM_016020	ENSG00000	TFB1M	CGI-75|CG	transcrip	protein-coding
chr7-1397	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	12273	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr8-1756	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr8	17564427	17565186	+	0	NA	intron (N	MER1B|DNA	-11627	NM_006207	5157	Hs.458573	NM_006207	ENSG00000	PDGFRL	PDGRL|PRL	platelet	protein-coding
chr9-1212	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MIR3|SINE	-3029	NM_001353	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr9-1306	5.683485	-0.58229	0.970196	-0.60017	0.54839	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11259	NR_106915	1.02E+08		NR_106915	ENSG00000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr1-6662	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr1	66620385	66622766	+	0	NA	intron (N	L1MB5|LIN	-6865	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr14-617	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr14	61793010	61794934	+	0	NA	intron (N	intron (N	-18190	NM_001367	83851	Hs.404139	NM_031914	ENSG00000	SYT16	CHR14SYT|	synaptota	protein-coding
chr14-690	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr14	69060724	69062283	+	0	NA	intron (N	intron (N	81821	NR_073422	161159	Hs.603341	NR_073422	ENSG00000	ACTN1-AS1	C14orf84	ACTN1 ant	ncRNA
chr17-679	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr17	67909799	67912288	+	0	NA	exon (NM_	exon (NM_	82563	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr19-199	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr19	1994654	1995206	+	0	NA	intron (N	L1M4|LINE	20784	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr2-6952	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr2	69528699	69532055	+	0	NA	intron (N	intron (N	-10206	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr9-9647	7.921457	-0.49654	0.82753	-0.60002	0.54849	0.981636	chr9	96473413	96473944	+	0	NA	intron (N	intron (N	23509	NM_014282	22927	Hs.494567	NM_014282	ENSG00000	HABP4	IHABP-4|I	hyalurona	protein-coding
chr1-1247	24.05408	0.309313	0.515753	0.599732	0.548685	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3220783	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-619	7.929315	-0.49812	0.830679	-0.59966	0.548734	0.981636	chr17	61991232	61992183	+	0	NA	intron (N	AluSc|SIN	-63725	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr18-587	7.929315	-0.49812	0.830679	-0.59966	0.548734	0.981636	chr18	58700646	58701524	+	0	NA	intron (N	AluSx|SIN	-29212	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr2-2637	7.929315	-0.49812	0.830679	-0.59966	0.548734	0.981636	chr2	26374647	26375994	+	0	NA	intron (N	intron (N	-26600	NM_145038	92749	Hs.393714	NM_145038	ENSG00000	DRC1	C2orf39|C	dynein re	protein-coding
chr12-798	9.666541	-0.46079	0.768777	-0.59939	0.548915	0.981636	chr12	79820689	79821001	+	0	NA	exon (NM_	exon (NM_	93066	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr8-4729	10.128	-0.4438	0.740798	-0.59908	0.549121	0.981636	chr8	47297508	47297910	+	0	NA	intron (N	L1PA4|LIN	36771	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr8-6318	10.128	-0.4438	0.740798	-0.59908	0.549121	0.981636	chr8	63186530	63188604	+	0	NA	exon (NM_	exon (NM_	18564	NM_001277	253943	Hs.491861	NM_152758	ENSG00000	YTHDF3	-	YTH N6-me	protein-coding
chr14-240	3.914828	-0.69843	1.165959	-0.59902	0.54916	0.981636	chr14	24098417	24099276	+	0	NA	intron (N	MamRep488	-3716	NM_001354	4901	Hs.652297	NM_006177	ENSG00000	NRL	D14S46E|N	neural re	protein-coding
chr15-519	3.914828	-0.69843	1.165959	-0.59902	0.54916	0.981636	chr15	51928442	51929540	+	0	NA	Intergeni	AluSz|SIN	-4871	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr9-1208	3.914828	-0.69843	1.165959	-0.59902	0.54916	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	5777	NR_104601	26147	Hs.460124	NM_015651	ENSG00000	PHF19	MTF2L1|PC	PHD finge	protein-coding
chr1-2027	11.91293	0.409085	0.683172	0.598802	0.549305	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	-44870	NM_177402	127833	Hs.25422	NM_177402	ENSG00000	SYT2	CMS7|MYSF	synaptota	protein-coding
chr10-501	11.91293	0.409085	0.683172	0.598802	0.549305	0.981636	chr10	50117370	50124621	+	0	NA	intron (N	L1MB8|LIN	53041	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr6-2744	11.91293	0.409085	0.683172	0.598802	0.549305	0.981636	chr6	27449725	27462254	+	0	NA	intron (N	AluJb|SIN	16909	NM_001318	7738	Hs.158174	NM_007149	ENSG00000	ZNF184	kr-ZNF3	zinc fing	protein-coding
chr8-9946	11.91293	0.409085	0.683172	0.598802	0.549305	0.981636	chr8	99460710	99460923	+	0	NA	intron (N	L1M4a1|LI	75914	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr17-289	8.171509	0.490879	0.820031	0.59861	0.549433	0.981636	chr17	28927815	28929476	+	0	NA	intron (N	AluSq2|SI	2370	NR_110803	1.02E+08	Hs.665702	NR_110803	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-6252	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr1	62527496	62528312	+	0	NA	intron (N	intron (N	-69616	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr1-9680	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr1	96806107	96807338	+	0	NA	intron (N	intron (N	84084	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr13-282	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr13	28266791	28267234	+	0	NA	intron (N	intron (N	-127838	NR_029383	1E+08	Hs.123191	NR_029383		PAN3-AS1	-	PAN3 anti	ncRNA
chr13-370	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr13	37046768	37048664	+	0	NA	intron (N	intron (N	11771	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr17-406	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr17	40643320	40645655	+	0	NA	intron (N	intron (N	3331	NM_003079	6605	Hs.743978	NM_003079	ENSG00000	SMARCE1	BAF57|CSS	SWI/SNF r	protein-coding
chr2-7551	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr2	75512580	75514201	+	0	NA	intron (N	L1MA9|LIN	-10678	NR_110281	1.02E+08	Hs.671110	NR_110281	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1132	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	non-codin	non-codin	3228	NR_015377	654433	Hs.656660	NR_015377	ENSG00000	PAX8-AS1	-	PAX8 anti	ncRNA
chr3-1700	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	47990	NM_014373	26996	Hs.231320	NM_014373	ENSG00000	GPR160	GPCR1|GPC	G protein	protein-coding
chr4-9424	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr4	94242781	94243268	+	0	NA	intron (N	AluSx|SIN	-10285	NM_001254	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr5-3719	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr5	37195252	37195918	+	0	NA	intron (N	AluJo|SIN	-53461	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-7895	7.913599	-0.49494	0.827372	-0.5982	0.549705	0.981636	chr6	78953473	78954730	+	0	NA	intron (N	MIRc|SINE	86550	NM_001010	134728	Hs.656212	NM_001010	ENSG00000	IRAK1BP1	AIP70|SIM	interleuk	protein-coding
chr14-566	6.949547	-0.55322	0.92488	-0.59815	0.549741	0.981636	chr14	56640089	56640293	+	0	NA	intron (N	L1PA4|LIN	60393	NM_017799	54916	Hs.497253	NM_017799	ENSG00000	TMEM260	C14orf101	transmemb	protein-coding
chr1-2241	11.38306	0.418714	0.700199	0.597993	0.549845	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	exon (NM_	exon (NM_	-25887	NM_001321	8560	Hs.299878	NM_003676	ENSG00000	DEGS1	DEGS|DEGS	delta 4-d	protein-coding
chr10-122	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr10	1.22E+08	1.22E+08	+	0	NA	promoter-	promoter-	-185	NR_037506	1.01E+08		NR_037506	ENSG00000	MIR3941	-	microRNA	ncRNA
chr16-650	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr16	65016505	65017116	+	0	NA	intron (N	MER41B|LT	105253	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr18-675	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr18	67507959	67509523	+	0	NA	3’ UTR (N	3’ UTR (N	-7805	NR_033921	643542	Hs.652901	NR_033921	ENSG00000	LOC643542	-	uncharact	ncRNA
chr3-2997	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr3	29978892	29979672	+	0	NA	intron (N	intron (N	-45126	NR_046556	1.01E+08	Hs.581453	NR_046556	ENSG00000	RBMS3-AS1	-	RBMS3 ant	ncRNA
chr3-4455	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr3	44558210	44559605	+	0	NA	intron (N	AluJr|SIN	3714	NM_018651	55888	Hs.529512	NM_018651	ENSG00000	ZKSCAN7	ZFP|ZNF16	zinc fing	protein-coding
chr8-5396	3.948109	-0.68851	1.15274	-0.59728	0.550318	0.981636	chr8	53961701	53962638	+	0	NA	Intergeni	L1MB1|LIN	60279	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr3-1231	4.989543	0.627376	1.050653	0.59713	0.55042	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	44035	NR_028444	10954	Hs.477352	NM_006810	ENSG00000	PDIA5	PDIR	protein d	protein-coding
chr17-595	7.937173	-0.49971	0.836922	-0.59709	0.55045	0.981636	chr17	59576968	59577838	+	0	NA	intron (N	intron (N	11793	NM_001166	79665	Hs.29403	NM_024612	ENSG00000	DHX40	ARG147|DD	DEAH-box	protein-coding
chr10-619	10.60517	-0.4306	0.721296	-0.59698	0.550518	0.981636	chr10	61946394	61951054	+	0	NA	intron (N	intron (N	47025	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr18-881	10.60517	-0.4306	0.721296	-0.59698	0.550518	0.981636	chr18	8817716	8820579	+	0	NA	exon (NM_	exon (NM_	101766	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr9-5110	7.127485	0.529194	0.886718	0.5968	0.550641	0.981636	chr9	5110888	5111878	+	0	NA	intron (N	CpG	69690	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr1-9358	7.444285	-0.51891	0.870489	-0.59612	0.551096	0.981636	chr1	93586770	93587798	+	0	NA	intron (N	AluJb|SIN	-2122	NM_001308	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr18-268	7.444285	-0.51891	0.870489	-0.59612	0.551096	0.981636	chr18	2685168	2687243	+	0	NA	intron (N	Tigger4a|	30318	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr1-2065	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr1	20652190	20657531	+	0	NA	intron (N	AluSx|SIN	-2667	NR_046507	1.01E+08	Hs.710259	NR_046507	ENSG00000	PINK1-AS	NAPINK1|F	PINK1 ant	ncRNA
chr1-2679	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr1	26794448	26795284	+	0	NA	exon (NM_	exon (NM_	6678	NM_001202	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr1-2064	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-23421	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr1-2359	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	L2a|LINE|	75501	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr10-587	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr10	5876109	5880776	+	0	NA	intron (N	intron (N	-11130	NM_001258	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr10-295	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr10	29518650	29523751	+	0	NA	intron (N	AluSc8|SI	23897	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr12-113	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	16576	NM_001159	196463	Hs.115896	NM_173542	ENSG00000	PLBD2	P76	phospholi	protein-coding
chr12-120	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	18989	NM_001167	11021	Hs.524788	NM_006861	ENSG00000	RAB35	H-ray|RAB	RAB35, me	protein-coding
chr14-509	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr14	50916273	50917813	+	0	NA	exon (NM_	exon (NM_	27440	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr14-919	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr14	91968754	91970222	+	0	NA	3’ UTR (N	3’ UTR (N	-21786	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr16-148	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr16	14857543	14864088	+	0	NA	intron (N	intron (N	27094	NM_014287	23420	Hs.743963	NM_014287	ENSG00000	NOMO1	Nomo|PM5	NODAL moc	protein-coding
chr16-160	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr16	16069808	16074133	+	0	NA	intron (N	intron (N	122354	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-307	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr16	30751590	30755360	+	0	NA	exon (NM_	exon (NM_	5050	NM_000294	5261	Hs.65735	NM_000294	ENSG00000	PHKG2	GSD9C	phosphory	protein-coding
chr17-121	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr17	12128724	12130600	+	0	NA	intron (N	MER5A|DNA	47763	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr19-365	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	3656909	3657695	+	0	NA	intron (N	intron (N	-30487	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr19-444	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	4444907	4454206	+	0	NA	intron (N	intron (N	3578	NR_039901	1.01E+08		NR_039901	ENSG00000	MIR4746	mir-4746	microRNA	ncRNA
chr19-196	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	19653821	19657441	+	0	NA	exon (NM_	exon (NM_	8045	NM_020410	57130	Hs.501794	NM_020410	ENSG00000	ATP13A1	ATP13A|CG	ATPase 13	protein-coding
chr19-326	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	32640672	32643069	+	0	NA	intron (N	FRAM|SINE	33310	NM_032139	84079	Hs.59236	NM_032139	ENSG00000	ANKRD27	PP12899|V	ankyrin r	protein-coding
chr19-394	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	39464012	39477290	+	0	NA	intron (N	MIR|SINE|	2429	NR_145805	1.1E+08		NR_145805		SNORD175	-	small nuc	snoRNA
chr19-405	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	40580331	40582299	+	0	NA	intron (N	AluSz|SIN	4442	NM_138392	92799	Hs.26506	NM_138392	ENSG00000	SHKBP1	PP203|Sb1	SH3KBP1 b	protein-coding
chr19-473	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	47374968	47377394	+	0	NA	intron (N	L2b|LINE|	26866	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr19-523	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr19	52346979	52351552	+	0	NA	intron (N	intron (N	3836	NM_173530	162963	Hs.147025	NM_173530	ENSG00000	ZNF610	-	zinc fing	protein-coding
chr2-2523	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr2	25239052	25241741	+	0	NA	exon (NM_	exon (NM_	11735	NM_001320	1788	Hs.515840	NM_022552	ENSG00000	DNMT3A	DNMT3A2|M	DNA methy	protein-coding
chr22-295	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr22	29515087	29519917	+	0	NA	intron (N	intron (N	36153	NM_001002	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr22-300	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr22	30021964	30027470	+	0	NA	intron (N	intron (N	17668	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr22-353	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr22	35331146	35336438	+	0	NA	intron (N	MIRc|SINE	-1848	NR_037471	1.01E+08		NR_037471	ENSG00000	MIR3909	mir-3909	microRNA	ncRNA
chr3-5166	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr3	51660274	51660932	+	0	NA	intron (N	AluY|SINE	-10572	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr5-6655	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr5	6655527	6658626	+	0	NA	intron (N	L1M8|LINE	23636	NM_001324	6715	Hs.552	NM_001047	ENSG00000	SRD5A1	S5AR 1	steroid 5	protein-coding

chr5-7119	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr5	71196754	71197681	+	0	NA	intron (N	intron (N	10914	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr6-3187	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr6	31879457	31885454	+	0	NA	intron (N	G-rich|Lo	-3409	NM_001178	80736	Hs.335355	NM_025257	ENSG00000	SLC44A4	C6orf29|(	solute ca	protein-coding
chr6-4304	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr6	43048208	43050287	+	0	NA	intron (N	intron (N	4698	NM_001168	9820	Hs.520136	NM_014780	ENSG00000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr7-1669	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr7	16695101	16697496	+	0	NA	intron (N	intron (N	35084	NM_001362	28969	Hs.487635	NM_014038	ENSG00000	BZW2	HSPC028|M	basic leu	protein-coding
chr7-6663	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr7	66638408	66641178	+	0	NA	3’ UTR (N	3’ UTR (N	10912	NM_001167	154881	Hs.546627	NM_153033	ENSG00000	KCTD7	CLN14|EPM	potassium	protein-coding
chr7-7459	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr7	74594551	74596241	+	0	NA	promoter-	promoter-	-572	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr9-1276	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	26753	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr9-1315	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	12951	NM_001353	10585	Hs.522449	NM_007171	ENSG00000	POMT1	LGMD2K|LG	protein (	protein-coding
chr9-1364	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-7057	NM_019892	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chr9-1364	8.195082	0.485096	0.81379	0.596095	0.551112	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-15639	NM_019892	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chr11-110	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	33506	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr12-779	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr12	77989439	77991267	+	0	NA	intron (N	LOR1a|LTR	159459	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr17-424	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr17	42417939	42419090	+	0	NA	intron (N	AluSp|SIN	4742	NM_012232	284119	Hs.437191	NM_012232	ENSG00000	CAVIN1	CAVIN|CGL	caveolae	protein-coding
chr18-300	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr18	3000667	3002235	+	0	NA	intron (N	L1MC4|LIN	10496	NM_014646	9663	Hs.132342	NM_014646	ENSG00000	LPIN2	-	lipin 2	protein-coding
chr2-3238	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr2	32380958	32381441	+	0	NA	intron (N	intron (N	24171	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr5-1516	7.87246	-0.49803	0.835728	-0.59592	0.551229	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	883	NM_001309	6678	Hs.111779	NM_003118	ENSG00000	SPARC	BM-40|ON	secreted	protein-coding
chr1-2774	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr1	27744281	27746696	+	0	NA	intron (N	L2c|LINE|	19527	NM_001143	199870	Hs.469359	NM_152660	ENSG00000	FAM76A	-	family wi	protein-coding
chr10-694	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr10	69401010	69402148	+	0	NA	3’ UTR (N	3’ UTR (N	15339	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr13-418	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr13	41816410	41816609	+	0	NA	intron (N	intron (N	144576	NM_001009	23078	Hs.368282	NM_015058	ENSG00000	VWA8	KIAA0564|	von Wille	protein-coding
chr13-451	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr13	45138449	45139067	+	0	NA	intron (N	AluSz|SIN	18248	NM_004128	2963	Hs.654582	NM_004128	ENSG00000	GTF2F2	BTF4|RAP3	general t	protein-coding
chr2-1180	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr2	11803323	11806328	+	0	NA	intron (N	intron (N	32161	NR_036226	1E+08		NR_036226	ENSG00000	MIR4262	-	microRNA	ncRNA
chr2-3904	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr2	39049019	39049218	+	0	NA	intron (N	AluSx|SIN	71345	NM_005633	6654	Hs.709893	NM_005633	ENSG00000	SOS1	GF1|GGF1|	SOS Ras/R	protein-coding
chr5-1383	7.665213	0.504695	0.847057	0.595821	0.551295	0.981636	chr5	13837273	13837509	+	0	NA	intron (N	L2a|LINE|	107089	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr3-1588	8.742518	0.474386	0.796209	0.595806	0.551305	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	L3|LINE|C	7798	NM_022736	64747	Hs.58663	NM_022736	ENSG00000	MFSD1	SMAP4	major fac	protein-coding
chr11-958	5.214171	-0.62507	1.049746	-0.59545	0.551542	0.981636	chr11	95806602	95806809	+	0	NA	intron (N	L1PA5|LIN	16207	NM_014679	9702	Hs.101014	NM_014679	ENSG00000	CEP57	MVA2|PIG8	centrosom	protein-coding
chr17-601	7.698494	0.50786	0.852967	0.595404	0.551573	0.981636	chr17	60184206	60185572	+	0	NA	intron (N	intron (N	34916	NM_000717	762	Hs.89485	NM_000717	ENSG00000	CA4	CAIV|Car4	carbonic	protein-coding
chr16-752	10.62089	-0.43312	0.727675	-0.59521	0.551706	0.981636	chr16	75231772	75234877	+	0	NA	intron (N	AluJb|SIN	5336	NM_001170	9564	Hs.479747	NM_014567	ENSG00000	BCAR1	CAS|CAS1|	BCAR1 sca	protein-coding
chr10-100	11.87964	0.406873	0.684045	0.594805	0.551974	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	AluSp|SIN	6578	NM_001001	282991	Hs.34906	NM_173809	ENSG00000	BLOC1S2	BLOS2|BOR	biogenesi	protein-coding
chr16-195	9.625401	-0.46322	0.778838	-0.59476	0.552005	0.981636	chr16	19575334	19575614	+	0	NA	intron (N	AluSq2|SI	19771	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding
chr1-1543	11.92078	0.407759	0.685819	0.594557	0.552139	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	15692	NM_001367	57198	Hs.435700	NM_020452	ENSG00000	ATP8B2	ATPID	ATPase ph	protein-coding
chr1-1737	11.92078	0.407759	0.685819	0.594557	0.552139	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluJb|SIN	43139	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLE	kelch lik	protein-coding
chr12-713	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr12	7136131	7137448	+	0	NA	intron (N	intron (N	6418	NM_014718	9746	Hs.535378	NM_014718	ENSG00000	CLSTN3	CDHR14|CS	calsynter	protein-coding
chr17-283	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr17	28330735	28332106	+	0	NA	intron (N	intron (N	4052	NM_001267	90410	Hs.705431	NM_174887	ENSG00000	IFT20	-	intraflag	protein-coding
chr19-103	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr19	10365005	10366347	+	0	NA	exon (NM_	exon (NM_	14896	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr3-1216	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-7301	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr3-1290	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx|SIN	28680	NM_001204	339122	Hs.381132	NM_198490	ENSG00000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr6-4190	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr6	41904386	41904831	+	0	NA	TTS (NM_0	TTS (NM_0	-9233	NM_018561	25862	Hs.593575	NM_018561	ENSG00000	USP49	-	ubiquitin	protein-coding
chr7-6654	8.228364	0.488151	0.821154	0.594469	0.552198	0.981636	chr7	66544521	66545778	+	0	NA	intron (N	intron (N	47258	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr1-6667	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr1	66676073	66678403	+	0	NA	intron (N	intron (N	48798	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-2200	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSg|SIN	18949	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr10-680	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr10	68004039	68006615	+	0	NA	intron (N	L1MA3|LIN	5556	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr11-118	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	9074	NM_001144	23187	Hs.504062	NM_015157	ENSG00000	PHLDB1	LL5A	pleckstri	protein-coding
chr12-105	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	59359	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr13-210	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr13	21053620	21054113	+	0	NA	intron (N	L1MB4|LIN	7720	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr13-973	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr13	97356943	97358740	+	0	NA	intron (N	intron (N	-76328	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr14-884	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr14	88406349	88407806	+	0	NA	intron (N	L1PA7|LIN	21420	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr20-137	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr20	13781063	13783118	+	0	NA	intron (N	AluSz|SIN	2796	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr20-233	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr20	23389441	23390174	+	0	NA	intron (N	L1MB7|LIN	25444	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTB	GDNF indu	protein-coding
chr3-4371	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr3	43711923	43713636	+	0	NA	intron (N	intron (N	-21185	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr4-1192	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L1PA2|LIN	26377	NM_001001	401152	Hs.173705	NM_001001	ENSG00000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr7-1490	7.905741	-0.4933	0.830207	-0.59419	0.552387	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	6492	NR_163909								
chr14-102	9.910858	0.466549	0.785287	0.594113	0.552436	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluYm1|SI	41120	NM_005348	3320	Hs.525600	NM_005348	ENSG00000	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr2-1710	5.478273	0.584468	0.98434	0.593767	0.552668	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1ME3E|LI	15754	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr4-1555	5.478273	0.584468	0.98434	0.593767	0.552668	0.981636	chr4	15553012	15553893	+	0	NA	intron (N	intron (N	83570	NM_001164	57545	Hs.590928	NM_020785	ENSG00000	CC2D2A	JBTS9|MKS	coiled-co	protein-coding
chr1-2125	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr1	21250730	21251011	+	0	NA	intron (N	AluY|SINE	28745	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-4380	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr1	43808736	43809158	+	0	NA	intron (N	L1MEc|LIN	-29675	NR_106727	1.02E+08		NR_106727	ENSG00000	MIR6079	hsa-mir-6	microRNA	ncRNA
chr12-641	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr12	64118060	64119308	+	0	NA	intron (N	L1MB1|LIN	103612	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-123	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	16723	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPP	M-phase p	protein-coding
chr15-228	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr15	22864247	22865067	+	0	NA	intron (N	intron (N	26016	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr17-181	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr17	18188354	18189766	+	0	NA	intron (N	AluSg|SIN	5232	NM_017758	54890	Hs.744130	NM_017758	ENSG00000	ALKBH5	ABH5|OFOX	alkB homo	protein-coding
chr2-3932	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr2	39324228	39324724	+	0	NA	intron (N	intron (N	-80493	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-1514	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	23656	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr3-1003	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr3	1E+08	1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-8537	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr4-4312	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr4	4312768	4313437	+	0	NA	exon (NM_	exon (NM_	22851	NM_001330	166793	Hs.419997	NM_145291	ENSG00000	ZBTB49	ZNF509	zinc fing	protein-coding
chr5-1283	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L1PA15|LI	152131	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr6-1094	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3989	NM_001286	64780	Hs.33476	NM_022765	ENSG00000	MICAL1	MICAL|MIC	microtubu	protein-coding
chr9-6971	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr9	69715028	69716185	+	0	NA	non-codin	non-codin	-43235	NM_001163	320	Hs.171939	NM_001163	ENSG00000	APBA1	D9S411E|L	amyloid b	protein-coding
chr9-1142	5.675627	-0.58001	0.977439	-0.59339	0.552918	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	3969	NR_030255	619556		NR_030255	ENSG00000	MIR455	MIRN455|h	microRNA	ncRNA
chr10-119	8.717094	0.469581	0.791514	0.59327	0.553	0.981636	chr10	11955349	11956373	+	0	NA	intron (N	AluSx|SIN	-61151	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr12-908	8.717094	0.469581	0.791514	0.59327	0.553	0.981636	chr12	9086801	9087000	+	0	NA	intron (N	L1MA7|LIN	21723	NR_137424	144571	Hs.592432	NR_026971	ENSG00000	A2M-AS1	-	A2M antis	ncRNA
chr4-3868	8.717094	0.469581	0.791514	0.59327	0.553	0.981636	chr4	38681032	38683025	+	0	NA	intron (N	intron (N	-17400	NR_026804	79667	Hs.29725	NR_024614	ENSG00000	KLF3-AS1	-	KLF3 anti	ncRNA
chr9-1316	8.717094	0.469581	0.791514	0.59327	0.553	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	74344	NM_001365	642515		NM_001365	ENSG00000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr17-493	4.92298	0.618054	1.041921	0.593187	0.553056	0.981636	chr17	4931151	4931914	+	0	NA	promoter-	promoter-	-745	NM_000173	2811	Hs.1472	NM_000173	ENSG00000	GP1BA	BDPLT1|BD	glycoprot	protein-coding
chr18-796	8.153943	0.483945	0.815971	0.593091	0.553121	0.981636	chr18	79697973	79698631	+	0	NA	intron (N	intron (N	16872	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr2-9719	8.153943	0.483945	0.815971	0.593091	0.553121	0.981636	chr2	97195999	97196596	+	0	NA	intron (N	intron (N	-82420	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr2-1590	8.153943	0.483945	0.815971	0.593091	0.553121	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	AluJr4|SI	97762	NR_146421	85461	Hs.61590	NM_033394	ENSG00000	TANC1	ROLSB|TAN	tetratric	protein-coding
chr6-1304	9.707681	-0.45805	0.772323	-0.59308	0.553127	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	3924	NM_052913	114801	Hs.591341	NM_052913	ENSG00000	TMEM200A	KIAA1913|	transmemb	protein-coding
chr14-545	10.08686	-0.44613	0.752823	-0.59261	0.553443	0.981636	chr14	54585347	54586201	+	0	NA	intron (N	L1PB1|LIN	18162	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr10-791	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr10	79182407	79183189	+	0	NA	intron (N	MIR|SINE|	113832	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr12-480	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr12	48067728	48069005	+	0	NA	intron (N	intron (N	-36887	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|G	phosphofr	protein-coding
chr14-900	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr14	90035681	90037376	+	0	NA	intron (N	intron (N	-25466	NM_022054	56659	Hs.510191	NM_022054	ENSG00000	KCNK13	K2p13.1|T	potassium	protein-coding
chr15-416	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr15	41699646	41701245	+	0	NA	intron (N	L1PA8|LIN	8860	NR_030356	693211		NR_030356	ENSG00000	MIR626	MIRN626|h	microRNA	ncRNA
chr15-519	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr15	51941897	51943170	+	0	NA	intron (N	intron (N	-18413	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr7-1313	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc|SIN	48726	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr8-1279	3.940251	-0.68546	1.156941	-0.59248	0.553531	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	22776	NR_031610	1E+08		NR_031610	ENSG00000	MIR1205	MIRN1205|	microRNA	ncRNA
chr10-500	5.642346	-0.58674	0.990367	-0.59245	0.55355	0.981636	chr10	50096626	50096869	+	0	NA	intron (N	intron (N	28793	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr2-1709	5.642346	-0.58674	0.990367	-0.59245	0.55355	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluJr|SIN	8489	NM_015530	26003	Hs.431317	NM_015530	ENSG00000	GORASP2	GOLPH6|GR	golgi rea	protein-coding
chr2-1742	5.642346	-0.58674	0.990367	-0.59245	0.55355	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSp|SIN	21974	NM_001328	29789	Hs.157351	NM_013341	ENSG00000	OLA1	DOC45|GBP	Obg like	protein-coding
chr7-7370	5.642346	-0.58674	0.990367	-0.59245	0.55355	0.981636	chr7	73701028	73702103	+	0	NA	intron (N	intron (N	-9752	NR_036247	1E+08		NR_036247	ENSG00000	MIR4284	mir-4284	microRNA	ncRNA
chr10-740	10.58945	-0.42815	0.722865	-0.5923	0.55365	0.981636	chr10	74089090	74091613	+	0	NA	intron (N	intron (N	60477	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr2-1613	10.58945	-0.42815	0.722865	-0.5923	0.55365	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	31320	NM_005805	10213	Hs.740477	NM_005805	ENSG00000	PSMD14	PAD1|POH1	proteasom	protein-coding
chr1-1402	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr1	1402023	1402490	+	0	NA	TTS (NR_0	TTS (NR_0	2726	NR_015434	148413	Hs.741357	NR_015434	ENSG00000	MRPL20-AS	-	MRPL20 an	ncRNA
chr1-1029	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr1	10294528	10297905	+	0	NA	intron (N	intron (N	-2750	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr1-2598	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr1	25981476	25984175	+	0	NA	intron (N	intron (N	15238	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr1-3500	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr1	35000021	35000238	+	0	NA	intron (N	AluJb|SIN	-14782	NM_001195	1.01E+08	Hs.533986	NM_001195	ENSG00000	TMEM35B	ZMYM6NB	transmemb	protein-coding
chr1-1803	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	40720	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr13-984	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr13	98471694	98472313	+	0	NA	intron (N	intron (N	50122	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr16-474	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr16	47424616	47425953	+	0	NA	intron (N	L1PA6|LIN	35779	NM_030790	81533	Hs.42217	NM_030790	ENSG00000	ITFG1	2310047C2	integrin	protein-coding
chr19-197	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr19	1979690	1981743	+	0	NA	3’ UTR (N	3’ UTR (N	-26167	NM_033400	255193	Hs.374717	NM_152771	ENSG00000	CSNK1G2-A	C19orf34	CSNK1G2 a	ncRNA
chr19-363	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr19	36348344	36348638	+	0	NA	intron (N	intron (N	-16773	NR_038278	1.01E+08	Hs.595153	NR_038278	ENSG00000	LINC00665	-	long inte	ncRNA
chr20-632	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr20	63201486	63204300	+	0	NA	exon (NM_	exon (NM_	13238	NM_017798	54915	Hs.744852	NM_017798	ENSG00000	YTHDF1	C20orf21	YTH N6-me	protein-coding
chr21-257	8.161801	0.482038	0.813932	0.592233	0.553694	0.981636	chr21	25724433	25726056	+	0	NA	exon (NM_	exon (NM_	-9728	NM_001197	2551	Hs.473470	NM_002040	ENSG00000	GABPA	E4TF1-60|	GA bindin	protein-coding
chr1-1247	12.41737	0.396859	0.670337	0.592029	0.553831	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3244274	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1734	12.41737	0.396859	0.670337	0.592029	0.553831	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	L2c|LINE|	7072	NM_004905	9588	Hs.120	NM_004905	ENSG00000	PRDX6	1-Cys|AOP	peroxirec	protein-coding
chr5-4770	12.41737	0.396859	0.670337	0.592029	0.553831	0.981636	chr5	47700281	47701093	+	0	NA	Intergeni	ALR/Alpha	-2004307	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-427	7.616215	0.505505	0.854649	0.591477	0.554201	0.981636	chr17	42723054	42723373	+	0	NA	intron (N	AluSc|SIN	-15062	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr6-1611	7.616215	0.505505	0.854649	0.591477	0.554201	0.981636	chr6	1.61E+08	1.61E+08	+	0	NA	intron (N	L1MC2|LIN	48748	NR_024277	79992	Hs.664873	NR_024929	ENSG00000	AGPAT4-IT	C6orf59|N	AGPAT4 in	ncRNA
chr10-450	10.63059	-0.4259	0.720421	-0.59118	0.5544	0.981636	chr10	45002877	45004204	+	0	NA	exon (NM_	exon (NM_	2617	NM_006963	7570	Hs.462693	NM_006963	ENSG00000	ZNF22	HKR-T1|KO	zinc fing	protein-coding
chr5-3238	10.63059	-0.4259	0.720421	-0.59118	0.5544	0.981636	chr5	32389180	32390748	+	0	NA	intron (N	AluSx1|SI	4511	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr12-295	10.63845	-0.42712	0.722601	-0.59109	0.554461	0.981636	chr12	29555609	29556988	+	0	NA	intron (N	intron (N	-56605	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr19-496	10.63845	-0.42712	0.722601	-0.59109	0.554461	0.981636	chr19	49681813	49682470	+	0	NA	promoter-	promoter-	24	NR_049811	1.01E+08		NR_049811	ENSG00000	MIR5088	mir-5088	microRNA	ncRNA
chr5-1429	10.55617	-0.43171	0.730621	-0.59088	0.554598	0.981636	chr5	14296954	14298112	+	0	NA	intron (N	MIRb|SINE	154191	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr15-943	8.724952	0.467782	0.791683	0.59087	0.554607	0.981636	chr15	94367433	94368678	+	0	NA	intron (N	intron (N	12125	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr9-3299	8.724952	0.467782	0.791683	0.59087	0.554607	0.981636	chr9	32996709	32997415	+	0	NA	intron (N	MIRb|SINE	4514	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr14-350	5.486131	0.581596	0.984319	0.590861	0.554613	0.981636	chr14	35074863	35076006	+	0	NA	intron (N	L1PA5|LIN	-5647	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-330	5.486131	0.581596	0.984319	0.590861	0.554613	0.981636	chr19	33091889	33092532	+	0	NA	intron (N	AluSx|SIN	11029	NM_018025	55094	Hs.466436	NM_018025	ENSG00000	GPATCH1	ECGP|GPA1	G-patch c	protein-coding
chr6-1703	5.486131	0.581596	0.984319	0.590861	0.554613	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSq2|SI	1829	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr9-1115	5.486131	0.581596	0.984319	0.590861	0.554613	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	TTS (NM_1	TTS (NM_1	30887	NM_133464	158399	Hs.584864	NM_133464	ENSG00000	ZNF483	ZKSCAN16|	zinc fing	protein-coding
chr1-2077	8.146085	0.48586	0.822544	0.59068	0.554735	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8081	NR_029832	407026		NR_029832	ENSG00000	MIR29C	MIRN29C|m	microRNA	ncRNA
chr21-375	8.146085	0.48586	0.822544	0.59068	0.554735	0.981636	chr21	37511261	37513540	+	0	NA	exon (NM_	exon (NM_	92101	NM_130438	1859	Hs.368240	NM_001396	ENSG00000	DYRK1A	DYRK|DYRK	dual spec	protein-coding
chr9-1283	8.146085	0.48586	0.822544	0.59068	0.554735	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12776	NM_001329	26995	Hs.632685	NM_015679	ENSG00000	TRUB2	CLONE2492	TruB pseu	protein-coding
chr1-1663	13.16539	0.416987	0.706017	0.590619	0.554776	0.981636	chr1	16632325	16632974	+	0	NA	Intergeni	AluSx|SIN	-1743	NR_026752	84809	Hs.631865	NR_026752	ENSG00000	CROCCP2	CROCCL1	CROCC pse	pseudo
chr16-665	8.35749	-0.47949	0.812118	-0.59043	0.554906	0.981636	chr16	66566913	66567528	+	0	NA	TTS (NM_0	TTS (NM_0	781	NM_181283	113540	Hs.15159	NM_052999	ENSG00000	CMTM1	CKLFH|CKL	CKLF like	protein-coding

chr2-1120	8.35749	-0.47949	0.812118	-0.59043	0.554906	0.981636	chr2	11207335	11207993	+	0	NA	intron (N	intron (N	52197	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr5-1510	8.35749	-0.47949	0.812118	-0.59043	0.554906	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	13383	NM_001329	2878	Hs.386793	NM_002084	ENSG00000	GPX3	GPx-P|GSH	glutathic	protein-coding
chr8-5265	12.48394	0.401223	0.68004	0.589999	0.555191	0.981636	chr8	52657258	52657908	+	0	NA	exon (NM_	exon (NM_	56852	NM_014781	9821	Hs.196102	NM_014781	ENSG00000	RB1CC1	ATG17|CC1	RB1 induc	protein-coding
chr1-1195	7.631931	0.501396	0.849921	0.589933	0.555236	0.981636	chr1	11956421	11957111	+	0	NA	intron (N	MIRb|SINE	22049	NM_001316	5351	Hs.75093	NM_000302	ENSG00000	PLOD1	EDS6|EDSK	procollag	protein-coding
chr19-491	7.631931	0.501396	0.849921	0.589933	0.555236	0.981636	chr19	49161523	49161965	+	0	NA	intron (N	AluSx1|SI	3952	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr3-1883	3.90697	-0.69548	1.178947	-0.58992	0.555247	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	Charlie1a	102663	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr6-7569	3.90697	-0.69548	1.178947	-0.58992	0.555247	0.981636	chr6	75693918	75694117	+	0	NA	intron (N	AluSp|SIN	-55222	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr8-6725	7.625923	0.515088	0.873236	0.589861	0.555284	0.981636	chr8	67257335	67257534	+	0	NA	intron (N	intron (N	86347	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr11-321	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr11	32101753	32106430	+	0	NA	intron (N	intron (N	13017	NM_002901	5954	Hs.97887	NM_002901	ENSG00000	RCN1	HEL-S-84|	reticuloc	protein-coding
chr14-528	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr14	52857737	52862271	+	0	NA	intron (N	AluY|SINE	-68397	NM_198066	64841	Hs.478025	NM_198066	ENSG00000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr22-205	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr22	20571241	20572931	+	0	NA	intron (N	intron (N	64039	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-1055	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA7|LIN	205312	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activatec	protein-coding
chr3-1944	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	-32371	NM_004488	2814	Hs.73734	NM_004488	ENSG00000	GP5	CD42d|GPV	glycoprot	protein-coding
chr5-5723	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr5	57230890	57235503	+	0	NA	intron (N	intron (N	19122	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr7-1079	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	53363	NM_000108	1738	Hs.131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr9-1109	10.62274	-0.42467	0.720216	-0.58965	0.555426	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx|SIN	71791	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr11-720	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr11	72031679	72032015	+	0	NA	intron (N	intron (N	17556	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA
chr11-117	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	L1MC4|LIN	9007	NR_110269	5049	Hs.728488	NM_002572	ENSG00000	PAFAH1B2	HEL-S-303	platelet	protein-coding
chr19-438	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr19	43898942	43899594	+	0	NA	intron (N	AluSc|SIN	2535	NR_038334	1.01E+08	Hs.76561	NR_038334	ENSG00000	LOC100505	-	uncharact	ncRNA
chr2-6134	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr2	61341469	61342168	+	0	NA	intron (N	AluSx1|SI	75559	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr3-4567	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr3	45677727	45680759	+	0	NA	non-codin	non-codin	9639	NR_033947	644714	Hs.712889	NR_033947		LIMD1-AS1	-	LIMD1 ant	ncRNA
chr3-1792	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	49567	NM_014407	27094	Hs.591285	NM_014407	ENSG00000	KCNMB3	BKBETA3|F	potassium	protein-coding
chr3-1865	8.349632	-0.47793	0.810558	-0.58963	0.555439	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	14109	NM_016306	51726	Hs.317192	NM_016306	ENSG00000	DNAJB11	ABBP-2|AE	DnaJ heat	protein-coding
chr1-3215	5.716767	-0.57543	0.976502	-0.58927	0.555679	0.981636	chr1	32154862	32155254	+	0	NA	intron (N	AluSq2|SI	-24617	NM_175852	200081	Hs.17987	NM_175852	ENSG00000	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr10-110	5.716767	-0.57543	0.976502	-0.58927	0.555679	0.981636	chr10	1109354	1109674	+	0	NA	intron (N	AluSp|SIN	-50254	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr14-689	5.716767	-0.57543	0.976502	-0.58927	0.555679	0.981636	chr14	68930484	68931156	+	0	NA	intron (N	MIR|SINE|	48482	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr18-260	5.716767	-0.57543	0.976502	-0.58927	0.555679	0.981636	chr18	26059380	26060174	+	0	NA	intron (N	L1ME1|LIN	30836	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr9-1229	5.716767	-0.57543	0.976502	-0.58927	0.555679	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MEd|LIN	29896	NM_012197	23637	Hs.271341	NM_012197	ENSG00000	RABGAP1	GAPCENA|T	RAB GTPas	protein-coding
chr16-703	10.15342	-0.43873	0.744697	-0.58914	0.555766	0.981636	chr16	70371792	70371991	+	0	NA	intron (N	intron (N	24988	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr11-704	7.168625	0.530055	0.899756	0.589109	0.555788	0.981636	chr11	70484835	70485369	+	0	NA	intron (N	intron (N	86573	NM_001184	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr15-801	7.168625	0.530055	0.899756	0.589109	0.555788	0.981636	chr15	80183700	80183899	+	0	NA	intron (N	MIR|SINE|	30800	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr16-287	7.168625	0.530055	0.899756	0.589109	0.555788	0.981636	chr16	28722576	28722906	+	0	NA	intron (N	AluSz|SIN	-1511	NR_107058	1.02E+08		NR_107058	ENSG00000	MIR6862-2	hsa-mir-6	microRNA	ncRNA
chr17-780	7.168625	0.530055	0.899756	0.589109	0.555788	0.981636	chr17	78098880	78099666	+	0	NA	intron (N	AluJo|SIN	12526	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C ar	ncRNA
chr2-7029	7.369864	-0.52735	0.895729	-0.58874	0.556038	0.981636	chr2	70291149	70291382	+	0	NA	intron (N	intron (N	1959	NM_001317	6637	Hs.465167	NM_003096	ENSG00000	SNRPG	SMG|Sm-G	small nuc	protein-coding
chr1-2049	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr1	20499750	20502734	+	0	NA	exon (NM_	exon (NM_	6909	NM_024544	79594	Hs.10101	NM_024544	ENSG00000	MUL1	C1orf166|	mitochonc	protein-coding
chr1-1562	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJr|SIN	-5376	NM_001199	11243	Hs.530479	NM_007221	ENSG00000	PMF1	-	polyamine	protein-coding
chr12-535	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr12	53513261	53515443	+	0	NA	3' UTR (N	3' UTR (N	368	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-110	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	15104	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr16-174	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr16	1748018	1749913	+	0	NA	intron (N	MER2|DNA|	13980	NR_036138	1E+08		NR_036138	ENSG00000	MIR3177	mir-3177	microRNA	ncRNA
chr16-310	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr16	31038877	31040105	+	0	NA	intron (N	intron (N	5933	NM_004604	6810	Hs.83734	NM_004604	ENSG00000	STX4	STX4A|p35	syntaxin	protein-coding
chr16-693	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr16	69358576	69359468	+	0	NA	intron (N	Tigger3b|	-7236	NM_144676	146456	Hs.729118	NM_144676	ENSG00000	TMED6	PRO34237|	transmemb	protein-coding
chr19-114	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr19	11445345	11445564	+	0	NA	exon (NM_	exon (NM_	-9672	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-cc	protein-coding
chr19-193	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr19	19335844	19341030	+	0	NA	intron (N	intron (N	17608	NM_015329	23383	Hs.654939	NM_015329	ENSG00000	MAU2	KIAA0892|	MAU2 sist	protein-coding
chr19-452	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr19	45277270	45280659	+	0	NA	intron (N	AluJo|SIN	27693	NM_001199	57787	Hs.34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr20-476	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr20	47648540	47649239	+	0	NA	intron (N	intron (N	137175	NM_018837	55959	Hs.162016	NM_018837	ENSG00000	SULF2	HSULF-2	sulfatase	protein-coding
chr5-5077	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr5	50774057	50774534	+	0	NA	intron (N	SVA_B|Ret	106881	NM_001331	79668	Hs.369581	NM_024615	ENSG00000	PARP8	ARTD16|pA	poly(ADP-	protein-coding
chr5-1773	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	17262	NM_006816	10960	Hs.75864	NM_006816	ENSG00000	LMAN2	C5orf8|GP	lectin, m	protein-coding
chr5-1797	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSc|SIN	-20948	NM_145867	4056	Hs.706741	NM_145867	ENSG00000	LTC4S	-	leukotrie	protein-coding
chr6-7364	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr6	73640998	73641879	+	0	NA	intron (N	intron (N	12554	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr7-9896	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr7	98967821	98968810	+	0	NA	intron (N	AluSz|SIN	-44850	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr9-1069	8.20294	0.483132	0.820653	0.588717	0.556051	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	107183	NR_126029	340512	Hs.432529	NR_126029	ENSG00000	LOC340512	-	uncharact	ncRNA
chr1-2773	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr1	27734400	27736474	+	0	NA	intron (N	L2a|LINE|	9476	NM_001143	199870	Hs.469359	NM_152660	ENSG00000	FAM76A	-	family wi	protein-coding
chr1-3236	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr1	32367565	32369084	+	0	NA	3' UTR (N	3' UTR (N	5785	NM_052841	81629	Hs.512763	NM_052841	ENSG00000	TSSK3	SPOGA3|ST	testis sp	protein-coding
chr1-1803	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1PA4|LIN	48148	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-2128	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	AluSz|SIN	14921	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr12-535	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr12	53521603	53523424	+	0	NA	intron (N	AluSx1|SI	8529	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr15-429	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr15	42989501	42990221	+	0	NA	intron (N	intron (N	-69083	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr16-693	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr16	69331788	69332633	+	0	NA	intron (N	AluSc|SIN	-1622	NM_022341	64146	Hs.130849	NM_022341	ENSG00000	PDF	-	peptide c	protein-coding
chr2-1280	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	14290	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr2-2164	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	16673	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr22-441	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr22	44135903	44138266	+	0	NA	intron (N	intron (N	-35872	NM_001137	64098	Hs.658995	NM_022141	ENSG00000	PARVG	-	parvin ga	protein-coding
chr3-4897	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr3	48975501	48977837	+	0	NA	intron (N	L1ME3D|LI	-13239	NM_177938	54681	Hs.654944	NM_017732	ENSG00000	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr3-1978	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	non-codin	non-codin	66026	NM_001134	84223	Hs.591675	NM_032263	ENSG00000	IQCG	CFAP122|D	IQ motif	protein-coding
chr6-1421	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	19904	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr6-1579	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	AluJb|SIN	-49104	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr9-3298	8.69167	0.464852	0.789603	0.588716	0.556052	0.981636	chr9	32984138	32988260	+	0	NA	intron (N	intron (N	15377	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr1-1921	7.946881	-0.49011	0.832833	-0.58848	0.556209	0.981636	chr1	19219710	19220686	+	0	NA	intron (N	intron (N	9812	NR_135115	1.02E+08	Hs.660534	NR_135114	ENSG00000	EMC1-AS1	-	EMC1 anti	ncRNA
chr19-243	7.946881	-0.49011	0.832833	-0.58848	0.556209	0.981636	chr19	2437118	2438289	+	0	NA	intron (N	AluSx|SIN	-2703	NR_106958	1.02E+08		NR_106958	ENSG00000	MIR7108	hsa-mir-7	microRNA	ncRNA
chr2-9781	7.946881	-0.49011	0.832833	-0.58848	0.556209	0.981636	chr2	97812334	97812533	+	0	NA	exon (NM_	exon (NM_	78027	NM_207519	7535	Hs.234569	NM_001079	ENSG00000	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr1-1461	11.89536	0.404208	0.686915	0.58844	0.556237	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	9908	NM_001302	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr1-1564	11.89536	0.404208	0.686915	0.58844	0.556237	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSc8|SI	17832	NM_001271	4209	Hs.314327	NM_005920	ENSG00000	MEF2D	-	myocyte e	protein-coding
chr2-2244	8.683813	0.466676	0.793414	0.588187	0.556407	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	-72816	NM_001122	79843	Hs.147585	NM_024785	ENSG00000	FAM124B	-	family wi	protein-coding
chr9-5021	7.436427	-0.51692	0.878856	-0.58818	0.556413	0.981636	chr9	5021677	5022077	+	0	NA	intron (N	AluJb|SIN	-19816	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr5-4952	11.92864	0.406406	0.690975	0.588163	0.556423	0.981636	chr5	49526974	49528359	+	0	NA	Intergeni	ALR/Alpha	913622	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1888	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr1	188860	190228	+	0	NA	Intergeni	L2a|LINE|	-1586	NR_106918	1.02E+08		NR_106918	ENSG00000	MIR6859-1	hsa-mir-6	microRNA	ncRNA
chr1-4360	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr1	43608797	43611324	+	0	NA	intron (N	L2c|LINE|	-40089	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr11-119	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	2738	NM_001351	25988	Hs.504091	NM_015517	ENSG00000	HINFP	HiNF-P|MI	histone H	protein-coding
chr13-111	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-13820	NM_001303	121793	Hs.210677	NM_152324	ENSG00000	TEX29	C13orf16|	testis ex	protein-coding
chr14-583	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr14	58301546	58304576	+	0	NA	intron (N	intron (N	4506	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr14-584	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr14	58474898	58475393	+	0	NA	intron (N	MER1B|DNA	35464	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SF	KIAA0586	protein-coding
chr16-487	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr16	4875041	4879084	+	0	NA	exon (NM_	exon (NM_	28682	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr16-306	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr16	30604411	30605748	+	0	NA	non-codin	non-codin	4749	NR_104166	115509	Hs.454685	NM_138447	ENSG00000	ZNF689	TIPUH1	zinc fing	protein-coding
chr16-693	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr16	69372178	69372695	+	0	NA	intron (N	intron (N	13571	NM_005652	7014	Hs.63335	NM_005652	ENSG00000	TERF2	TRBF2|TRF	telomeric	protein-coding
chr17-400	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr17	40085831	40088625	+	0	NA	intron (N	(AC)n|Sim	13361	NM_021724	9572	Hs.724	NM_021724	ENSG00000	NR1D1	EAR1|REVE	nuclear r	protein-coding
chr19-185	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr19	18538782	18541652	+	0	NA	intron (N	intron (N	3356	NM_012181	23770	Hs.173464	NM_012181	ENSG00000	FKBP8	FKBP38|FK	FKBP prol	protein-coding
chr19-493	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr19	49340469	49342519	+	0	NA	TTS (NM_0	TTS (NM_0	6088	NM_001040	951	Hs.166556	NM_001774	ENSG00000	CD37	GP52-40|T	CD37 mole	protein-coding
chr3-1291	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJb|SIN	16014	NM_020701	57461	Hs.512661	NM_020701	ENSG00000	ISY1	FSAP33	ISY1 spli	protein-coding
chr4-1435	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	-13763	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr6-7379	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr6	73790385	73790701	+	0	NA	intron (N	MLT2B1|LT	94340	NM_133493	135228	Hs.399891	NM_133493	ENSG00000	CD109	CPAMD7|p1	CD109 mol	protein-coding
chr7-7661	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr7	76618140	76619278	+	0	NA	intron (N	intron (N	8594	NM_152992	22932	Hs.488877	NM_012230	ENSG00000	POMZP3	POM-ZP3|P	POM121 ar	protein-coding
chr8-4149	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr8	41497707	41500621	+	0	NA	intron (N	LTR1A2|LT	8552	NM_001362	51125	Hs.654773	NM_016099	ENSG00000	GOLGA7	GCP16|GOL	golgin A7	protein-coding
chr9-1371	8.169659	0.480096	0.816278	0.588153	0.55643	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	CpG	11149	NM_013379	29952	Hs.37916	NM_013379	ENSG00000	DPP7	DPP2|DPPI	dipeptidy	protein-coding
chr20-632	7.135343	0.526673	0.895493	0.588137	0.55644	0.981636	chr20	63210886	63211589	+	0	NA	intron (N	AluJr|SIN	4894	NM_017798	54915	Hs.744852	NM_017798	ENSG00000	YTHDF1	C20orf21	YTH N6-me	protein-coding
chr12-118	7.954739	-0.49167	0.835999	-0.58813	0.556448	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	11633	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr11-780	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr11	78069603	78070311	+	0	NA	3' UTR (N	3' UTR (N	6096	NM_003251	7069	Hs.591969	NM_003251	ENSG00000	THRSP	LPGP1|Lpg	thyroid h	protein-coding
chr11-130	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-16346	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr12-131	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	14676	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr2-1611	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	3553	NM_001199	10010	Hs.132257	NM_004180	ENSG00000	TANK	I-TRAF|IT	TRAF fami	protein-coding
chr2-2033	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MSTA|LTR|	30799	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr3-5258	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr3	52583174	52583373	+	0	NA	intron (N	AluSx|SIN	46668	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr4-5705	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr4	57059463	57059677	+	0	NA	intron (N	L1PREC2|L	-50192	NR_034081	255130	Hs.691061	NR_034081	ENSG00000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr5-1155	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	L1MB8|LIN	8908	NM_020177	56929	Hs.47367	NM_020177	ENSG00000	FEM1C	EUROIMAGE	fem-1 hom	protein-coding
chr6-1335	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	277169	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr9-1109	7.897883	-0.4916	0.836142	-0.58794	0.55657	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MDa|LIN	132962	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr15-561	4.964119	0.619325	1.053856	0.587675	0.55675	0.981636	chr15	56127872	56128745	+	0	NA	intron (N	L1M4|LINE	61624	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr9-9506	4.964119	0.619325	1.053856	0.587675	0.55675	0.981636	chr9	95067761	95068144	+	0	NA	intron (N	L1MB8|LIN	2602	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr5-1503	5.732483	-0.57963	0.986369	-0.58764	0.556774	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	14020	NR_157074	972	Hs.436568	NM_004355	ENSG00000	CD74	DHLAG|HLA	CD74 mole	protein-coding
chr4-5540	10.5816	-0.42692	0.726658	-0.58752	0.556856	0.981636	chr4	55400545	55400955	+	0	NA	intron (N	(TA)n|Sim	4793	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr15-807	8.382914	-0.47343	0.805928	-0.58744	0.55691	0.981636	chr15	80749993	80751653	+	0	NA	intron (N	intron (N	-28547	NM_001293	57214	Hs.459088	NM_018689	ENSG00000	CEMIP	CCSP1|HYE	cell migr	protein-coding
chr16-897	8.382914	-0.47343	0.805928	-0.58744	0.55691	0.981636	chr16	89723511	89725178	+	0	NA	intron (N	intron (N	2807	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr5-3939	8.382914	-0.47343	0.805928	-0.58744	0.55691	0.981636	chr5	39395810	39398030	+	0	NA	intron (N	LTR50|LTR	28060	NM_001343	1601	Hs.696631	NM_001343	ENSG00000	DAB2	DOC-2|DOC	DAB adapt	protein-coding
chr7-1050	8.382914	-0.47343	0.805928	-0.58744	0.55691	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	AluY|SINE	71736	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr1-2077	7.864602	-0.49636	0.844991	-0.58741	0.556929	0.981636	chr1	20778601	20780081	+	0	NA	intron (N	intron (N	7347	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr8-6713	7.864602	-0.49636	0.844991	-0.58741	0.556929	0.981636	chr8	67132664	67133389	+	0	NA	intron (N	intron (N	49178	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr10-791	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr10	79112010	79112457	+	0	NA	intron (N	intron (N	43267	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr17-399	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr17	39905137	39908225	+	0	NA	intron (N	MER5B|DNA	10859	NM_001369	55876	Hs.306777	NM_018530	ENSG00000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr2-4655	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr2	46551766	46552285	+	0	NA	intron (N	MIRc|SINE	-9448	NM_001318	90423	Hs.437691	NM_080653	ENSG00000	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr2-6981	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr2	69812531	69812751	+	0	NA	intron (N	intron (N	-17019	NM_178439	64395	Hs.293971	NM_178439	ENSG00000	GMCL1	BTBD13|GC	germ cell	protein-coding
chr22-238	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr22	23834165	23834921	+	0	NA	TTS (NM_0	TTS (NM_0	4463	NM_001135	91319	Hs.593679	NM_198440	ENSG00000	DERL3	C22orf14|	derlin 3	protein-coding
chr3-5318	4.930838	0.614716	1.046979	0.587133	0.557114	0.981636	chr3	53180811	53181865	+	0	NA	intron (N	intron (N	12635	NM_001354	5580	Hs.155342	NM_006254	ENSG00000	PRKCD	ALPS3|CVI	protein k	protein-coding
chr14-709	6.127376	-0.55387	0.943429	-0.58709	0.557146	0.981636	chr14	70950960	70951362	+	0	NA	intron (N	L1M5|LINE	43702	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr20-344	6.127376	-0.55387	0.943429	-0.58709	0.557146	0.981636	chr20	34453894	34454273	+	0	NA	intron (N	intron (N	-12242	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr7-1349	6.127376	-0.55387	0.943429	-0.58709	0.557146	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	23824	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAL	caldesmon	protein-coding

chr11-659	8.341774	-0.47641	0.811779	-0.58687	0.557289	0.981636	chr11	65976547	65976756	+	0	NA	intron (N	CpG	14917	NM_005146	9092	Hs.502883	NM_005146	ENSG00000	SART1	Ara1|HAF|	spliceoso	protein-coding
chr20-369	8.341774	-0.47641	0.811779	-0.58687	0.557289	0.981636	chr20	36927299	36929110	+	0	NA	intron (N	AluY|SINE	23504	NM_001363	25939	Hs.580681	NM_015474	ENSG00000	SAMHD1	CHBL2|DCI	SAM and H	protein-coding
chr1-5510	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr1	55104981	55106805	+	0	NA	intron (N	intron (N	65671	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-2280	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	669	NM_001024	375	Hs.286221	NM_001658	ENSG00000	ARF1	PVNH8	ADP ribos	protein-coding
chr10-145	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr10	14565946	14569002	+	0	NA	intron (N	L2|LINE|L	4525	NM_001282	83641	Hs.446315	NM_031453	ENSG00000	FAM107B	C10orf45|	family wi	protein-coding
chr12-781	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr12	78129977	78130911	+	0	NA	intron (N	intron (N	229302	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr14-103	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L1M5|LINE	27407	NM_001128	4140	Hs.35828	NM_002376	ENSG00000	MARK3	CTAK1|KP7	microtubu	protein-coding
chr17-307	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr17	30766220	30769125	+	0	NA	intron (N	AluY|SINE	57020	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr18-587	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr18	58737841	58738231	+	0	NA	intron (N	intron (N	-66163	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr2-1909	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	50051	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr2-2310	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L2c|LINE|	11405	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr21-348	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr21	34806405	34807863	+	0	NA	intron (N	L1MCa|LIN	61309	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr5-1282	8.375056	-0.4719	0.804379	-0.58666	0.557433	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L1PA8A|LI	183262	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr2-1909	7.939023	-0.4885	0.832674	-0.58666	0.557433	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	3’ UTR (N	3’ UTR (N	51250	NM_139266	6772	Hs.642990	NM_007315	ENSG00000	STAT1	CANDF7|IM	signal tr	protein-coding
chr2-2416	7.939023	-0.4885	0.832674	-0.58666	0.557433	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	5’ UTR (N	5’ UTR (N	3583	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr13-200	8.316351	-0.48269	0.822943	-0.58654	0.557514	0.981636	chr13	20010067	20010352	+	0	NA	intron (N	AluSz|SIN	50395	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr17-680	10.61488	-0.42344	0.721988	-0.58649	0.557547	0.981636	chr17	68037239	68047006	+	0	NA	exon (NM_	exon (NM_	6162	NM_001320	3838	Hs.594238	NM_002266	ENSG00000	KPNA2	IPOA1|QIP	karyopher	protein-coding
chr14-771	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr14	77109803	77111033	+	0	NA	intron (N	intron (N	12160	NM_033426	85457	Hs.709066	NM_033426	ENSG00000	CIPC	KIAA1737	CLOCK int	protein-coding
chr15-657	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr15	65705273	65706849	+	0	NA	intron (N	intron (N	-9125	NR_145750	1.1E+08		NR_145750	ENSG00000	SNORD13E	-	small nuc	snoRNA
chr16-230	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr16	23067521	23068255	+	0	NA	3’ UTR (N	3’ UTR (N	81382	NM_020718	57478	Hs.183817	NM_020718	ENSG00000	USP31	-	ubiquitin	protein-coding
chr17-319	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr17	31969919	31970750	+	0	NA	intron (N	intron (N	33327	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr18-460	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr18	46037368	46040055	+	0	NA	intron (N	LTR83|LTR	33549	NM_024430	9050	Hs.567384	NM_024430	ENSG00000	PSTPIP2	MAYP	proline-s	protein-coding
chr2-9470	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr2	9470401	9472561	+	0	NA	intron (N	intron (N	-3070	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-2350	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-20740	NM_001371306								
chr4-2687	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr4	2687215	2687817	+	0	NA	intron (N	intron (N	62084	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr7-1280	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-2584	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr8-2810	5.452849	0.57726	0.984273	0.586483	0.557551	0.981636	chr8	28109909	28110712	+	0	NA	intron (N	intron (N	17171	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr1-3787	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr1	37872098	37875949	+	0	NA	non-codin	non-codin	-14431	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-1537	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	MER3|DNA|	23566	NM_023015	65123	Hs.438723	NM_023015	ENSG00000	INTS3	C1orf193|	integrato	protein-coding
chr1-1571	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3599	NR_001560	360155	Hs.491808	NR_001560	ENSG00000	CYCSP52	HC6|HCP2	CYCS pseu	pseudo
chr1-2050	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	-15917	NM_203376	388730	Hs.146928	NM_203376	ENSG00000	TMEM81	HC3107|KV	transmemb	protein-coding
chr1-2128	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	exon (NM_	exon (NM_	30888	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr12-520	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr12	52056822	52058076	+	0	NA	exon (NM_	exon (NM_	6007	NM_173157	3164	Hs.524430	NM_002135	ENSG00000	NR4A1	GFRP1|HMR	nuclear r	protein-coding
chr13-455	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr13	45533920	45534830	+	0	NA	intron (N	intron (N	69436	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr15-421	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr15	42161592	42169868	+	0	NA	exon (NM_	exon (NM_	-9094	NM_213600	255189	Hs.231873	NM_213600	ENSG00000	PLA2G4F	PLA2G4FZ	phospholi	protein-coding
chr16-574	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr16	57428553	57436688	+	0	NA	intron (N	intron (N	14765	NM_020313	57019	Hs.4900	NM_020313	ENSG00000	CIAPIN1	Anamorsin	cytokine	protein-coding
chr17-423	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr17	42313733	42320560	+	0	NA	intron (N	intron (N	29090	NM_001288	6776	Hs.437058	NM_003152	ENSG00000	STAT5A	MGF|STAT5	signal tr	protein-coding
chr18-352	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr18	35259969	35264821	+	0	NA	intron (N	intron (N	21361	NM_032347	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr19-374	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr19	37453991	37455776	+	0	NA	5’ UTR (N	5’ UTR (N	12561	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr2-1560	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr2	15605303	15608972	+	0	NA	intron (N	intron (N	15269	NM_004939	1653	Hs.440599	NM_004939	ENSG00000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-4431	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr2	44316607	44324734	+	0	NA	3’ UTR (N	3’ UTR (N	39079	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr2-4554	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr2	45541324	45542212	+	0	NA	intron (N	MER52A|LT	69499	NM_018079	55133	Hs.14229	NM_018079	ENSG00000	SRBD1	-	S1 RNA bi	protein-coding
chr2-7098	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr2	70988927	70989560	+	0	NA	intron (N	intron (N	5630	NM_144582	113419	Hs.516087	NM_144582	ENSG00000	TEX261	TEG-261	testis ex	protein-coding
chr4-1228	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	44970	NM_007083	11162	Hs.558459	NM_007083	ENSG00000	NUDT6	ASFGF2|FG	nudix hyd	protein-coding
chr6-3610	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr6	36108641	36110840	+	0	NA	3’ UTR (N	3’ UTR (N	-20773	NR_072996	5603	Hs.178695	NM_002754	ENSG00000	MAPK13	MAPK 13|M	mitogen-a	protein-coding
chr7-7354	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr7	73541980	73543421	+	0	NA	intron (N	intron (N	14536	NR_036682	9275	Hs.647051	NM_001707	ENSG00000	BCL7B	-	BAF chrom	protein-coding
chr7-1492	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSz|SIN	17105	NM_003575	8427	Hs.729056	NM_003575	ENSG00000	ZNF282	HUB1	zinc fing	protein-coding
chr9-1230	8.699528	0.463057	0.789772	0.586317	0.557662	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJb|SIN	-17268	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr11-281	8.390772	-0.47501	0.810279	-0.58623	0.557723	0.981636	chr11	28138868	28140103	+	0	NA	intron (N	LTR25-int	31097	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr11-860	8.390772	-0.47501	0.810279	-0.58623	0.557723	0.981636	chr11	86002799	86004512	+	0	NA	intron (N	intron (N	65429	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr10-103	7.673071	0.502417	0.857501	0.585908	0.557937	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	68043	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr12-111	7.673071	0.502417	0.857501	0.585908	0.557937	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	15978	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr7-5481	7.673071	0.502417	0.857501	0.585908	0.557937	0.981636	chr7	5481113	5481683	+	0	NA	3’ UTR (N	3’ UTR (N	14519	NR_030318	693174		NR_030318	ENSG00000	MIR589	MIRN589|h	microRNA	ncRNA
chrX-3783	7.673071	0.502417	0.857501	0.585908	0.557937	0.981636	chrX	37836702	37837194	+	0	NA	Intergeni	Intergeni	10623	NM_006520	6990	Hs.446392	NM_006520	ENSG00000	DYNLT3	RP3|TCTE1	dynein li	protein-coding
chr1-7741	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr1	77411013	77411675	+	0	NA	intron (N	intron (N	128257	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr12-124	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-37420	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr15-586	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr15	58676103	58676685	+	0	NA	intron (N	MIRb|SINE	17213	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr17-604	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr17	60495036	60496070	+	0	NA	intron (N	AluJo|SIN	30687	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr4-3932	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr4	39327072	39327519	+	0	NA	intron (N	intron (N	39067	NM_001204	5981	Hs.507475	NM_002913	ENSG00000	RFC1	A1|CANVAS	replicati	protein-coding
chr5-3848	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr5	38488404	38488939	+	0	NA	intron (N	intron (N	43125	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AG	EGF like,	protein-coding
chr5-1098	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	MER34B|LT	-27020	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr6-1365	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	L2a|LINE|	-10557	NM_003980	9053	Hs.486548	NM_003980	ENSG00000	MAP7	E-MAP-115	microtubu	protein-coding
chr6-1438	5.708909	-0.57317	0.978855	-0.58556	0.558174	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-27159	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr1-1553	8.73281	0.466002	0.795841	0.585547	0.55818	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSg7|SI	-22303	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr8-1448	8.73281	0.466002	0.795841	0.585547	0.55818	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	10899	NM_001363	58500	Hs.532277	NM_021061	ENSG00000	ZNF250	ZFP647|ZN	zinc fing	protein-coding
chr1-1737	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	8395	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLE	kelch lik	protein-coding
chr15-718	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr15	71820232	71820595	+	0	NA	Intergeni	Intergeni	9859	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr16-846	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr16	84612534	84614492	+	0	NA	intron (N	intron (N	4565	NM_021149	23406	Hs.289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr2-1310	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	L1MEd|LIN	11562	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr5-6739	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr5	6739766	6740741	+	0	NA	intron (N	intron (N	26821	NM_001171	11044	Hs.481542	NM_006999	ENSG00000	TENT4A	LAK-1|LAK	terminal	protein-coding
chr6-1437	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	MER41A|LT	61994	NM_001100	9749	Hs.102471	NM_014721	ENSG00000	PHACTR2	C6orf56	phosphata	protein-coding
chr9-9764	6.1528	-0.54552	0.932154	-0.58522	0.558399	0.981636	chr9	97645075	97645828	+	0	NA	intron (N	intron (N	11630	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCB	nuclear c	protein-coding
chr11-341	6.119518	-0.55182	0.943347	-0.58496	0.558576	0.981636	chr11	34124119	34125045	+	0	NA	intron (N	intron (N	18953	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr12-501	6.119518	-0.55182	0.943347	-0.58496	0.558576	0.981636	chr12	50143107	50143771	+	0	NA	intron (N	intron (N	23930	NM_147190	91012	Hs.270525	NM_147190	ENSG00000	CERS5	LASS5|Trh	ceramide	protein-coding
chr12-297	10.54831	-0.43051	0.736538	-0.58451	0.55888	0.981636	chr12	29753298	29753747	+	0	NA	intron (N	MIRb|SINE	30420	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr14-501	5.444991	0.580171	0.993117	0.584192	0.559091	0.981636	chr14	50184788	50185902	+	0	NA	intron (N	MER21B|LT	46233	NM_006939	6655	Hs.291533	NM_006939	ENSG00000	SOS2	NS9|SOS-2	SOS Ras/R	protein-coding
chr20-354	5.444991	0.580171	0.993117	0.584192	0.559091	0.981636	chr20	35404491	35405497	+	0	NA	intron (N	L1MB3|LIN	6979	NM_018244	55245	Hs.726290	NM_018244	ENSG00000	UQCC1	BFZB|C20o	ubiquinol	protein-coding
chr7-2271	5.444991	0.580171	0.993117	0.584192	0.559091	0.981636	chr7	2271267	2272006	+	0	NA	intron (N	intron (N	-14059	NR_106895	1.02E+08		NR_106895	ENSG00000	MIR6836	hsa-mir-6	microRNA	ncRNA
chr10-965	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr10	96546544	96547619	+	0	NA	intron (N	intron (N	-33155	NM_012465	7093	Hs.154296	NM_012465	ENSG00000	TLL2	-	tolloid l	protein-coding
chr11-940	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr11	9403539	9405298	+	0	NA	intron (N	AluY|SINE	19766	NM_006391	10527	Hs.744911	NM_006391	ENSG00000	IPO7	Imp7|RANB	importin	protein-coding
chr11-281	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr11	28113553	28115612	+	0	NA	intron (N	AluSx|SIN	6194	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr19-166	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr19	16624328	16625029	+	0	NA	intron (N	intron (N	3526	NM_004831	9441	Hs.715040	NM_004831	ENSG00000	MED26	CRSP7|CRS	mediator	protein-coding
chr2-1018	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	127847	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr3-4509	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr3	45090573	45091215	+	0	NA	intron (N	MLT1H|LTR	55484	NM_022842	64866	Hs.476093	NM_022842	ENSG00000	CDCP1	CD318|SIM	CUB domai	protein-coding
chr3-4573	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr3	45734568	45736690	+	0	NA	intron (N	L1ME4c|LI	46233	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr5-5536	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr5	55366535	55367615	+	0	NA	intron (N	intron (N	59086	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-1729	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	4362	NR_162113	1.13E+08		NR_162113		MIR10523	-	microRNA	ncRNA
chr8-1189	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	10880	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr8-1327	8.367198	-0.47038	0.805588	-0.58389	0.559292	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	5034	NM_016018	51105	Hs.304362	NM_016018	ENSG00000	PHF20L1	CGI-72|TD	PHD finge	protein-coding
chr19-583	7.639789	0.499192	0.855053	0.583815	0.559345	0.981636	chr19	58350387	58350874	+	0	NA	exon (NM_	exon (NM_	-1340	NR_015380	503538	Hs.709582	NR_015380	ENSG00000	A1BG-AS1	A1BG-AS|A	A1BG anti	ncRNA
chr4-5301	7.639789	0.499192	0.855053	0.583815	0.559345	0.981636	chr4	530172	532007	+	0	NA	intron (N	intron (N	31879	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr19-357	8.236222	0.486173	0.833037	0.583616	0.559479	0.981636	chr19	3574561	3575116	+	0	NA	intron (N	AluSz|SIN	1894	NM_006339	10362	Hs.406534	NM_006339	ENSG00000	HMG20B	BRAF25|BF	high mobi	protein-coding
chr3-1697	8.236222	0.486173	0.833037	0.583616	0.559479	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	552	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr11-133	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr11	13372083	13375817	+	0	NA	intron (N	intron (N	66329	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr11-103	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L4_C_Mam|	55000	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr12-501	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr12	50123631	50124203	+	0	NA	Intergeni	AluJr|SIN	11681	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr12-676	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr12	67673526	67674091	+	0	NA	Intergeni	THE1B-int	25063	NM_003583	8445	Hs.173135	NM_003583	ENSG00000	DYRK2	-	dual spec	protein-coding
chr14-918	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr14	91889724	91890993	+	0	NA	intron (N	intron (N	-22822	NM_001128	123036	Hs.510262	NM_152332	ENSG00000	TC2N	C14orf47|	tandem C2	protein-coding
chr16-256	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr16	2563425	2564566	+	0	NA	intron (N	intron (N	25974	NM_001261	5170	Hs.459691	NM_002613	ENSG00000	PDPK1	PDK1|PDPK	3-phospho	protein-coding
chr16-541	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr16	54112124	54114104	+	0	NA	non-codin	non-codin	73721	NR_103838	1.01E+08	Hs.664629	NR_103838		FTO-IT1	-	FTO intro	ncRNA
chr19-311	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr19	3118339	3119779	+	0	NA	intron (N	intron (N	-16974	NM_002068	2769	Hs.73797	NM_002068	ENSG00000	GNA15	GNA16	G protein	protein-coding
chr19-143	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr19	14391536	14393459	+	0	NA	intron (N	intron (N	11053	NM_078481	976	Hs.466039	NM_001784	ENSG00000	ADGRE5	CD97|TM7L	adhesion	protein-coding
chr19-534	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr19	53457876	53458613	+	0	NA	TTS (NM_0	TTS (NM_0	-9489	NM_001004	126017	Hs.710780	NM_001004	ENSG00000	ZNF813	-	zinc fing	protein-coding
chr3-1619	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr3	16197636	16199646	+	0	NA	intron (N	intron (N	-18135	NM_001319	117248	Hs.411308	NM_054110	ENSG00000	GALNT15	GALNACT15	polypepti	protein-coding
chr3-4219	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr3	42197063	42200020	+	0	NA	intron (N	intron (N	38348	NM_014965	22906	Hs.535711	NM_014965	ENSG00000	TRAK1	EIEE68|MI	trafficki	protein-coding
chr3-4354	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr3	43547342	43549220	+	0	NA	intron (N	intron (N	73645	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr8-9968	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chr8	99684741	99685586	+	0	NA	intron (N	intron (N	-148302	NR_030596	1E+08		NR_030596	ENSG00000	MIR875	MIRN875|h	microRNA	ncRNA
chrX-3605	5.460707	0.574388	0.984251	0.583578	0.559504	0.981636	chrX	360594	361066	+	0	NA	intron (N	intron (N	26077	NM_013239	28227	Hs.124942	NM_013239	ENSG00000	PPP2R3B	NYREN8|PP	protein p	protein-coding
chr11-102	3.932393	-0.68231	1.169776	-0.58328	0.559703	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MA9|LIN	10037	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr15-345	3.932393	-0.68231	1.169776	-0.58328	0.559703	0.981636	chr15	34536196	34536654	+	0	NA	promoter-	promoter-	-404	NM_001023	440270	Hs.720151	NM_001023	ENSG00000	GOLGA8B	GOLGA5	golgin A8	protein-coding
chr17-301	3.932393	-0.68231	1.169776	-0.58328	0.559703	0.981636	chr17	30124076	30124605	+	0	NA	intron (N	intron (N	-7180	NR_036149	1E+08		NR_036149	ENSG00000	MIR3184	-	microRNA	ncRNA
chr15-604	5.667769	-0.5776	0.990294	-0.58326	0.55972	0.981636	chr15	60474700	60475577	+	0	NA	intron (N	intron (N	4004	NM_001276	79664	Hs.200943	NM_024611	ENSG00000	ICE2	BRCC1|NAR	interacto	protein-coding
chr9-4116	5.667769	-0.5776	0.990294	-0.58326	0.55972	0.981636	chr9	41160748	41161308	+	0	NA	intron (N	intron (N	28336	NM_001085	644019	Hs.597638	NM_001085	ENSG00000	CBWD6	CBWD7	COBW doma	protein-coding
chr9-7173	5.667769	-0.5776	0.990294	-0.58326	0.55972	0.981636	chr9	71736023	71736222	+	0	NA	intron (N	intron (N	32391	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr1-3301	3.981391	-0.67853	1.1634	-0.58323	0.559736	0.981636	chr1	33010608	33011336	+	0	NA	TTS (NM_0	TTS (NM_0	25911	NM_001199	204	Hs.470907	NM_001625	ENSG00000	AK2	ADK2	adenylate	protein-coding
chr4-1009	10.14556	-0.43733	0.749874	-0.5832	0.559759	0.981636	chr4	10097540	10097739	+	0	NA	intron (N	intron (N	-18947	NR_036090	1E+08		NR_036090	ENSG00000	MIR3138	mir-3138	microRNA	ncRNA
chr1-1227	23.36477	0.298429	0.511814	0.583082	0.559838	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1258730	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-124	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	13693	NM_032656	57647	Hs.107382	NM_032656	ENSG00000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-196	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr13	19659187	19660280	+	0	NA	intron (N	intron (N	26074	NM_017520	54737	Hs.269654	NM_017520	ENSG00000	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr15-586	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr15	58660892	58662271	+	0	NA	intron (N	L1MA2|LIN	32026	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr16-220	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr16	2207359	2208737	+	0	NA	intron (N	intron (N	2594	NR_147904	64223	Hs.29203	NM_022372	ENSG00000	MLST8	GBL|Gbeta	MTOR asso	protein-coding
chr17-625	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr17	62588256	62589772	+	0	NA	intron (N	intron (N	-38656	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr2-8606	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr2	86060569	86061034	+	0	NA	intron (N	L1ME3|LIN	45085	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding

chr2-1332	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-55504	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-1897	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	non-codir	non-codir	-3746	NR_148883	64172	Hs.60772	NM_022353	ENSG00000	OSGEPL1	OSGEPL|Q	O-sialogl	protein-coding
chr3-5006	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr3	50063142	50063632	+	0	NA	intron (N	AluJb|SIN	-25532	NM_005778	10181	Hs.439480	NM_005778	ENSG00000	RBM5	G15|H37|I	RNA bindi	protein-coding
chr4-6843	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr4	6843575	6845283	+	0	NA	intron (N	AluSx1|SI	61697	NM_001100	9778	Hs.79276	NM_014743	ENSG00000	KIAA0232	-	KIAA0232	protein-coding
chr4-4838	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr4	48382344	48382578	+	0	NA	intron (N	intron (N	40932	NM_020846	57606	Hs.479677	NM_020846	ENSG00000	SLAIN2	KIAA1458	SLAIN mot	protein-coding
chr5-7383	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr5	73833416	73835525	+	0	NA	intron (N	L1MA9|LIN	20924	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr6-1548	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	MIRc|SINE	-50005	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr7-4756	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr7	47562121	47564217	+	0	NA	intron (N	intron (N	18942	NM_022748	64759	Hs.520814	NM_022748	ENSG00000	TNS3	TEM6|TENS	tensin 3	protein-coding
chr9-1230	6.144942	-0.54349	0.932217	-0.58301	0.559887	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	(ATTATAT)	34774	NR_030331	693185		NR_030331	ENSG00000	MIR600	MIRN600|h	microRNA	ncRNA
chr17-434	10.19456	-0.43621	0.748203	-0.58301	0.559888	0.981636	chr17	43401919	43402126	+	0	NA	TTS (NM_0	TTS (NM_0	3029	NM_001661	379	Hs.183153	NM_001661	ENSG00000	ARL4D	ARF4L|ARL	ADP ribos	protein-coding
chr1-2402	8.39863	-0.47664	0.817562	-0.583	0.559894	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	MLT1J|LTR	192144	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr12-622	8.39863	-0.47664	0.817562	-0.583	0.559894	0.981636	chr12	6227734	6228026	+	0	NA	intron (N	intron (N	27480	NM_001769	928	Hs.114286	NM_001769	ENSG00000	CD9	BTCC-1|DR	CD9 molec	protein-coding
chr18-509	5.609064	-0.59385	1.018667	-0.58297	0.559913	0.981636	chr18	50906372	50906767	+	0	NA	intron (N	AluSx|SIN	27451	NM_002396	4200	Hs.233119	NM_002396	ENSG00000	ME2	ODS1	malic enz	protein-coding
chr4-1980	5.609064	-0.59385	1.018667	-0.58297	0.559913	0.981636	chr4	1980180	1980409	+	0	NA	3’ UTR (N	3’ UTR (N	5658	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Caj	ncRNA
chr7-1587	5.609064	-0.59385	1.018667	-0.58297	0.559913	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-28040	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr13-198	8.128519	0.478892	0.82156	0.582905	0.559957	0.981636	chr13	19817890	19818299	+	0	NA	Intergeni	Intergeni	-35058	NR_149053	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr7-1310	8.128519	0.478892	0.82156	0.582905	0.559957	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	FLAM_C|SI	7775	NR_024153	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-P	long inte	ncRNA
chr1-1513	10.66388	-0.42238	0.724735	-0.58281	0.560022	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	6935	NM_001330	5298	Hs.632465	NM_002651	ENSG00000	PI4KB	NPIK|PI4K	phosphati	protein-coding
chr10-113	5.493989	0.578726	0.993115	0.582738	0.560069	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	Tigger1|D	-7073	NM_001267	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr1-9524	7.931165	-0.48682	0.835526	-0.58265	0.560132	0.981636	chr1	95246713	95246934	+	0	NA	exon (NM_	exon (NM_	12613	NM_015485	25950	Hs.483512	NM_015485	ENSG00000	RWDD3	RSUME	RWD domai	protein-coding
chr14-550	7.931165	-0.48682	0.835526	-0.58265	0.560132	0.981636	chr14	55053983	55054437	+	0	NA	intron (N	AluSx1|SI	2563	NM_144578	93487	Hs.594338	NM_144578	ENSG00000	MAPK1IP1L	C14orf32|	mitogen-a	protein-coding
chr14-584	7.931165	-0.48682	0.835526	-0.58265	0.560132	0.981636	chr14	58409875	58410723	+	0	NA	intron (N	AluJb|SIN	14369	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr2-2034	7.931165	-0.48682	0.835526	-0.58265	0.560132	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluY|SINE	40767	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr7-1004	7.931165	-0.48682	0.835526	-0.58265	0.560132	0.981636	chr7	1E+08	1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2411	NM_145030	221908	Hs.413359	NM_145030	ENSG00000	PPP1R35	C7orf47	protein p	protein-coding
chr12-417	3.973533	-0.67555	1.159506	-0.58262	0.560149	0.981636	chr12	417726	418602	+	0	NA	intron (N	AluSz6|SI	16520	NM_001130	84318	Hs.631656	NM_032358	ENSG00000	CCDC77	-	coiled-co	protein-coding
chr9-1364	3.973533	-0.67555	1.159506	-0.58262	0.560149	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	TTS (NM_0	TTS (NM_0	11232	NM_001318	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chr10-104	8.69352	0.475473	0.816195	0.582548	0.560197	0.981636	chr10	1041379	1042037	+	0	NA	intron (N	intron (N	7178	NM_001317	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr15-349	7.805897	-0.50809	0.872524	-0.58233	0.560347	0.981636	chr15	34900599	34900810	+	0	NA	exon (NM_	exon (NM_	69038	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr13-727	5.206313	-0.62195	1.068093	-0.5823	0.560364	0.981636	chr13	72798900	72799099	+	0	NA	intron (N	L2a|LINE|	16866	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr12-641	8.333916	-0.47492	0.815824	-0.58214	0.560472	0.981636	chr12	64111149	64112989	+	0	NA	intron (N	intron (N	110227	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr8-1189	8.333916	-0.47492	0.815824	-0.58214	0.560472	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	2881	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr11-337	9.197227	-0.47706	0.819509	-0.58213	0.560476	0.981636	chr11	33711209	33711536	+	0	NA	intron (N	L1MB7|LIN	-10632	NM_001166	1E+08	Hs.709466	NM_001166	ENSG00000	C11orf91	-	chromosom	protein-coding
chr12-115	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	187565	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr13-755	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr13	75584400	75585242	+	0	NA	intron (N	L1MEf|LIN	35071	NM_006002	7347	Hs.162241	NM_006002	ENSG00000	UCHL3	UCH-L3	ubiquitin	protein-coding
chr16-675	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr16	67540991	67542213	+	0	NA	intron (N	intron (N	4140	NM_001193	79567	Hs.152717	NM_024519	ENSG00000	RIPOR1	FAM65A	RHO famil	protein-coding
chr19-172	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr19	17269030	17270917	+	0	NA	intron (N	AluY|SINE	2530	NM_014173	29086	Hs.190722	NM_014173	ENSG00000	BABAM1	C19orf62|	BRISC and	protein-coding
chr2-1278	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11089	NM_004805	5433	Hs.715348	NM_004805	ENSG00000	POLR2D	HSRBP4|HS	RNA polym	protein-coding
chr3-1195	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	19497	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr7-1521	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	75938	NM_001371474								
chr8-1237	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	6901	NM_144963	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr9-2076	8.666247	0.46014	0.790438	0.582133	0.560477	0.981636	chr9	20767282	20767592	+	0	NA	intron (N	L1PA2|LIN	-19490	NR_145762	1.1E+08		NR_145762	ENSG00000	SNORA30B	-	small nuc	snoRNA
chr18-485	5.740341	-0.58165	0.999234	-0.5821	0.560501	0.981636	chr18	48577112	48577626	+	0	NA	intron (N	intron (N	38338	NM_001142	9811	Hs.145230	NM_014772	ENSG00000	CTIF	Gm672|KIA	cap bindi	protein-coding
chr1-3104	8.136377	0.476981	0.819506	0.582035	0.560543	0.981636	chr1	31044228	31044729	+	0	NA	intron (N	L1MB8|LIN	21239	NM_001020	9698	Hs.281707	NM_014676	ENSG00000	PUM1	HSPUM|PUM	pumilio R	protein-coding
chr13-325	8.136377	0.476981	0.819506	0.582035	0.560543	0.981636	chr13	32521010	32522194	+	0	NA	intron (N	intron (N	-12207	NR_026928	116828	Hs.658751	NR_026928	ENSG00000	N4BP2L2-I	CG030	N4BPL2 ir	ncRNA
chr18-576	8.136377	0.476981	0.819506	0.582035	0.560543	0.981636	chr18	57696010	57697299	+	0	NA	intron (N	intron (N	66323	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-436	8.136377	0.476981	0.819506	0.582035	0.560543	0.981636	chr19	4361092	4363033	+	0	NA	intron (N	intron (N	18535	NM_032868	84954	Hs.321689	NM_032868	ENSG00000	MPND	-	MPN domai	protein-coding
chr1-1485	12.96296	0.386507	0.664106	0.581996	0.56057	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	10745	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr9-9417	10.60702	-0.42218	0.725775	-0.58169	0.560773	0.981636	chr9	94175905	94177076	+	0	NA	TTS (NR_0	TTS (NR_0	143	NR_029483	406888		NR_029483	ENSG00000	MIRLET7F1	LET7F1|MI	microRNA	ncRNA
chr2-4609	8.658389	0.461941	0.794255	0.581603	0.560834	0.981636	chr2	46093005	46095365	+	0	NA	intron (N	HAL1|LINE	-203222	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr4-1077	8.658389	0.461941	0.794255	0.581603	0.560834	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA8|LIN	14331	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr1-4219	5.58364	-0.60371	1.038089	-0.58156	0.560863	0.981636	chr1	42190090	42190289	+	0	NA	intron (N	intron (N	-25444	NM_033553	2980	Hs.778	NM_033553	ENSG00000	GUCA2A	GCAP-I|GU	guanylate	protein-coding
chr9-1298	10.64816	-0.41995	0.722347	-0.58137	0.560994	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3958	NM_000113	1861	Hs.534312	NM_000113	ENSG00000	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chr2-6121	8.408338	-0.46749	0.804229	-0.58129	0.561047	0.981636	chr2	61216467	61217216	+	0	NA	intron (N	AluSx1|SI	39423	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr4-1434	8.408338	-0.46749	0.804229	-0.58129	0.561047	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-43841	NM_003601	8467	Hs.558422	NM_003601	ENSG00000	SMARCA5	ISWI|SNF2	SWI/SNF r	protein-coding
chr1-1111	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	-21139	NM_001007	10390	Hs.363572	NM_006090	ENSG00000	CEPT1	-	choline/e	protein-coding
chr1-1236	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2142480	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1537	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx|SIN	-8607	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr1-2201	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluJr|SIN	-21418	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr12-122	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-35179	NM_152759	254050	Hs.374856	NM_152759	ENSG00000	LRRC43	-	leucine r	protein-coding
chr12-131	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	45486	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr17-129	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr17	12993313	13000138	+	0	NA	intron (N	intron (N	21302	NM_018127	60528	Hs.434232	NM_018127	ENSG00000	ELAC2	COXPD17|E	elaC ribo	protein-coding
chr17-287	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr17	28758412	28759501	+	0	NA	exon (NM_	exon (NM_	14945	NM_004295	9618	Hs.8375	NM_004295	ENSG00000	TRAF4	CART1|MLN	TNF recep	protein-coding
chr17-557	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr17	55775037	55777745	+	0	NA	3’ UTR (N	3’ UTR (N	25286	NM_001102	58488	Hs.285218	NM_021213	ENSG00000	PCTP	PC-TP|STA	phosphati	protein-coding
chr18-593	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr18	59332192	59333472	+	0	NA	intron (N	L1M5|LINE	-14183	NM_181654	339302	Hs.449884	NM_181654	ENSG00000	CPLX4	CPX-IV|CP	complexin	protein-coding
chr20-647	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr20	647113	651820	+	0	NA	intron (N	AluSx|SIN	3734	NM_080725	140809	Hs.516830	NM_080725	ENSG00000	SRXN1	C20orf139	sulfiredo	protein-coding
chr4-3127	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr4	3127086	3128196	+	0	NA	intron (N	AluSz6|SI	52960	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr8-1729	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr8	17295891	17296608	+	0	NA	TTS (NM_0	TTS (NM_0	49291	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr8-1443	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	promoter-	promoter-	-296	NM_001280	340393	Hs.122231	NM_001252	ENSG00000	TMEM249	C8ORFK29	transmemb	protein-coding
chr9-3634	8.707386	0.461255	0.793924	0.580981	0.561253	0.981636	chr9	36349653	36352054	+	0	NA	intron (N	MER30|DNA	49416	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr19-154	12.93513	-0.39484	0.679702	-0.5809	0.561305	0.981636	chr19	15426779	15427111	+	0	NA	intron (N	intron (N	5589	NM_001330	58525	Hs.442138	NM_021241	ENSG00000	WIZ	ZNF803	WIZ zinc	protein-coding
chr14-313	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr14	31347144	31348457	+	0	NA	exon (NM_	exon (NM_	72750	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr18-170	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr18	170038	170525	+	0	NA	intron (N	AluSx|SIN	11724	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr2-1604	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	SVA_D|Ret	-31801	NR_039946	1.01E+08		NR_039946	ENSG00000	MIR4785	mir-4785	microRNA	ncRNA
chr22-253	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr22	25354021	25354464	+	0	NA	intron (N	intron (N	8315	NM_182492	91355	Hs.634058	NM_182492	ENSG00000	LRP5L	-	LDL recep	protein-coding
chr3-4597	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr3	45974703	45975461	+	0	NA	intron (N	MIRc|SINE	20742	NM_024513	79443	Hs.200227	NM_024513	ENSG00000	FYCO1	CATC2|CTR	FYVE and	protein-coding
chr4-1748	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr4	17486574	17487144	+	0	NA	non-codir	non-codir	25231	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHP	quinoid d	protein-coding
chr8-1441	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	21917	NM_001288	727957	Hs.443139	NM_032450	ENSG00000	MROH1	HEATR7A	maestro h	protein-coding
chr9-7172	8.177517	0.478077	0.823164	0.580779	0.561389	0.981636	chr9	71725194	71725399	+	0	NA	intron (N	MSTD|LTR|	43217	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr11-276	11.08419	-0.41059	0.707202	-0.58058	0.561523	0.981636	chr11	27655908	27660255	+	0	NA	exon (NM_	exon (NM_	1568	NM_170735	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr14-771	8.120661	0.48078	0.828178	0.580528	0.561559	0.981636	chr14	77108565	77108764	+	0	NA	intron (N	AluSp|SIN	10406	NM_033426	85457	Hs.709066	NM_033426	ENSG00000	CIPC	KIAA1737	CLOCK int	protein-coding
chr3-1369	8.120661	0.48078	0.828178	0.580528	0.561559	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	intron (N	L1MA4A|LI	-26000	NM_001190	4690	Hs.126889	NM_006153	ENSG00000	NCK1	NCK|NCKal	NCK adapt	protein-coding
chr1-1089	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	3567	NM_001278	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr1-2014	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	6000	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr11-860	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr11	86019817	86021978	+	0	NA	intron (N	L1MB7|LIN	48187	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-120	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	52744	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr11-128	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	37772	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr13-321	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr13	32187838	32189538	+	0	NA	intron (N	HSMAR2|DN	123266	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr16-702	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr16	70252092	70254376	+	0	NA	intron (N	intron (N	-1294	NM_058219	118460	Hs.660633	NM_058219	ENSG00000	EXOSC6	EAP4|MTR3	exosome c	protein-coding
chr16-821	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr16	82145662	82149030	+	0	NA	TTS (NM_0	TTS (NM_0	22878	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr17-765	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr17	76563228	76567116	+	0	NA	TTS (NM_0	TTS (NM_0	3539	NR_004395	677848		NR_004395	ENSG00000	SNORD1A	R38A|snR3	small nuc	snoRNA
chr17-774	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr17	77482223	77484039	+	0	NA	intron (N	intron (N	7888	NM_001113	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr18-935	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr18	9359975	9362208	+	0	NA	intron (N	intron (N	26318	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr2-1120	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-38133	NM_153214	129804	Hs.437696	NM_153214	ENSG00000	FBLN7	TM14	fibulin 7	protein-coding
chr2-2327	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSz|SIN	16794	NR_103492	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr3-1325	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-72896	NM_016557	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr5-7219	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr5	72196492	72197852	+	0	NA	exon (NM_	exon (NM_	17385	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr7-4742	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr7	47420200	47422364	+	0	NA	intron (N	intron (N	43521	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1033	8.40048	-0.46597	0.802682	-0.58052	0.561566	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	13775	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr16-200	8.416195	-0.46902	0.808571	-0.58005	0.561878	0.981636	chr16	2000335	2000877	+	0	NA	intron (N	intron (N	9215	NM_178167	90850	Hs.343828	NM_178167	ENSG00000	ZNF598	HEL2	zinc fing	protein-coding
chr2-5519	8.416195	-0.46902	0.808571	-0.58005	0.561878	0.981636	chr2	55194897	55195560	+	0	NA	intron (N	L1MA9|LIN	-36675	NM_001135	6233	Hs.311640	NM_002954	ENSG00000	RPS27A	CEP80|HEL	ribosomal	protein-coding
chr6-5716	9.229398	0.448003	0.772693	0.579794	0.562053	0.981636	chr6	57164690	57166448	+	0	NA	intron (N	L1M4|LINE	6644	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr1-1095	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-18513	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr1-1499	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-10830	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr1-1557	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	11228	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-2201	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	33848	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr1-2351	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSx1|SI	-13485	NM_015014	23029	Hs.535224	NM_015014	ENSG00000	RBM34	-	RNA bindi	protein-coding
chr11-687	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr11	68777082	68782750	+	0	NA	intron (N	intron (N	-28396	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr11-687	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr11	68797574	68801153	+	0	NA	intron (N	intron (N	42553	NM_001876	1374	Hs.503043	NM_001876	ENSG00000	CPT1A	CPT1|CPT1	carnitine	protein-coding
chr11-703	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr11	70354290	70356340	+	0	NA	intron (N	intron (N	-43191	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr11-108	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	46329	NM_003478	8065	Hs.440320	NM_003478	ENSG00000	CUL5	CUL-5|VAC	cullin 5	protein-coding
chr12-672	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr12	6729027	6730913	+	0	NA	intron (N	intron (N	5683	NM_001164	50813	Hs.530823	NM_016319	ENSG00000	COPS7A	CSN7|CSN7	COP9 sign	protein-coding
chr18-589	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr18	58918553	58920167	+	0	NA	exon (NM_	exon (NM_	54483	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr19-122	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr19	1226475	1229710	+	0	NA	TTS (NM_1	TTS (NM_1	9913	NM_152769	255057	Hs.346575	NM_152769	ENSG00000	CBARP	BARP|C19o	CACN subu	protein-coding
chr2-1084	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr2	1.08E+08	1.09E+08	+	0	NA	intron (N	intron (N	37090	NR_135290	644903		NM_032658	ENSG00000	GCC2-AS1	-	GCC2 anti	ncRNA
chr20-321	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr20	32141566	32147992	+	0	NA	intron (N	AluJr|SIN	35051	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr20-459	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr20	45956839	45960244	+	0	NA	intron (N	intron (N	13662	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr20-492	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr20	49221661	49230589	+	0	NA	intron (N	L2a|LINE|	6830	NM_017895	55661	Hs.65234	NM_017895	ENSG00000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr3-4857	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr3	48570660	48580866	+	0	NA	intron (N	intron (N	3214	NR_031756	1E+08		NR_031756	ENSG00000	MIR711	hsa-mir-7	microRNA	ncRNA
chr6-1729	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr6	17291146	17292968	+	0	NA	exon (NM_	exon (NM_	9356	NM_153020	221662	Hs.519904	NM_153020	ENSG00000	RBM24	RNPC6|dJ2	RNA bindi	protein-coding
chr6-3529	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr6	35294482	35295736	+	0	NA	intron (N	intron (N	-2709	NM_022047	50619	Hs.15476	NM_022047	ENSG00000	DEF6	IBP|SLAT|	DEF6 guar	protein-coding
chr9-3574	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr9	35741834	35745048	+	0	NA	intron (N	intron (N	5787	NM_001330	57704	Hs.443134	NM_020944	ENSG00000	GBA2	AD035|NLG	glucosylc	protein-coding
chr9-9806	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr9	98060989	98062095	+	0	NA	intron (N	AluSc|SIN	4810	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetylr	protein-coding
chr9-1251	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-8890	NM_001144	286205	Hs.59504	NM_173690	ENSG00000	SCAI	C9orf126|	suppresso	protein-coding

chrX-1421	8.674105	0.458342	0.790607	0.579735	0.562094	0.981636	chrX	1421320	1423823	+	0	NA	intron (N	intron (N	22040	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chr10-889	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr10	88935132	88935817	+	0	NA	non-codir	non-codir	2790	NR_125373	1E+08		NR_125373	ENSG00000	ACTA2-AS1	UC001kfo|	ACTA2 ant	ncRNA
chr17-280	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr17	28070097	28070624	+	0	NA	intron (N	AluSc|SIN	27683	NM_016231	51701	Hs.208759	NM_016231	ENSG00000	NLK	-	nemo like	protein-coding
chr2-2061	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7496	NR_033248	1E+08	Hs.356055	NR_033248		GCSHP3	-	glycine c	pseudo
chr20-344	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr20	34428611	34429415	+	0	NA	intron (N	AluSz|SIN	-37312	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr3-1248	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	46212	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr6-5655	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr6	56557371	56557680	+	0	NA	intron (N	intron (N	85364	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr9-2718	8.35934	-0.46886	0.809602	-0.57913	0.562503	0.981636	chr9	27184831	27186169	+	0	NA	exon (NM_	exon (NM_	76359	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GI	TEK recep	protein-coding
chr1-5207	5.634488	-0.58441	1.009552	-0.57888	0.562672	0.981636	chr1	52078219	52079183	+	0	NA	intron (N	L2c|LINE|	22406	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr9-8161	5.634488	-0.58441	1.009552	-0.57888	0.562672	0.981636	chr9	81615786	81616002	+	0	NA	intron (N	intron (N	73641	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr1-9231	5.701051	-0.57078	0.986175	-0.57878	0.56274	0.981636	chr1	92312474	92313213	+	0	NA	intron (N	AluSz6|SI	13784	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr16-464	5.701051	-0.57078	0.986175	-0.57878	0.56274	0.981636	chr16	46471	47437	+	0	NA	3’ UTR (N	3’ UTR (N	6654	NM_016310	51728	Hs.632223	NM_016310	ENSG00000	POLR3K	C11|C11-F	RNA polym	protein-coding
chr1-1830	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr1	1830872	1831714	+	0	NA	intron (N	AluJr|SIN	-51262	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-2192	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr1	21928183	21929397	+	0	NA	intron (N	AluSp|SIN	8520	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr1-9336	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr1	93360626	93361173	+	0	NA	3’ UTR (N	3’ UTR (N	14992	NM_001938	1810	Hs.348418	NM_001938	ENSG00000	DR1	NC2|NC2-B	down-regu	protein-coding
chr13-245	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr13	24505343	24506761	+	0	NA	intron (N	LTR12C|LT	6726	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-110	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	2908	NM_001846	1284	Hs.508716	NM_001846	ENSG00000	COL4A2	BSVD2|ICH	collagen	protein-coding
chr14-673	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr14	67371747	67372315	+	0	NA	intron (N	AluJo|SIN	11703	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr14-104	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	16417	NM_022489	64423	Hs.24956	NM_022489	ENSG00000	INF2	C14orf151	inverted	protein-coding
chr15-757	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr15	75704427	75705828	+	0	NA	intron (N	intron (N	7721	NM_001897	1464	Hs.513044	NM_001897	ENSG00000	CSPG4	HMW-MAA|M	chondroit	protein-coding
chr16-191	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr16	19120169	19120945	+	0	NA	non-codir	non-codir	6593	NR_028028	162073	Hs.530899	NM_001034	ENSG00000	ITPRIPL2	-	ITPRIP li	protein-coding
chr16-649	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr16	64989600	64990690	+	0	NA	intron (N	intron (N	131918	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr17-617	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr17	61741534	61742821	+	0	NA	intron (N	Tigger1|D	121382	NM_032043	83990	Hs.128903	NM_032043	ENSG00000	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr18-232	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr18	23203966	23204580	+	0	NA	intron (N	intron (N	48448	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr19-279	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr19	2790894	2791798	+	0	NA	intron (N	intron (N	5843	NM_003249	7064	Hs.78769	NM_003249	ENSG00000	THOP1	EP24.15|M	thimet ol	protein-coding
chr19-211	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr19	21150918	21153232	+	0	NA	intron (N	PABL_A-ir	10035	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr2-8560	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr2	85609197	85610001	+	0	NA	intron (N	intron (N	2467	NM_001013	388969	Hs.516159	NM_001013	ENSG00000	C2orf68	HCRCN81	chromosom	protein-coding
chr2-1349	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	L1ME3B|LI	5527	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr3-3702	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr3	37028068	37028954	+	0	NA	intron (N	intron (N	35161	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr5-7469	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr5	74693078	74694408	+	0	NA	intron (N	intron (N	8510	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamin	protein-coding
chr5-1577	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	53259	NM_173491	134353	Hs.23648	NM_173491	ENSG00000	LSM11	-	LSM11, U7	protein-coding
chr6-1750	6.178223	-0.53742	0.928663	-0.57871	0.562787	0.981636	chr6	17507530	17508974	+	0	NA	intron (N	intron (N	3013	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr17-203	12.90425	0.381106	0.658798	0.578486	0.562936	0.981636	chr17	20305940	20307993	+	0	NA	intron (N	L1MEd|LIN	-14208	NR_023380	348254	Hs.462475	NR_023380		CCDC144CP	CCDC144C	coiled-cc	pseudo
chr1-3601	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr1	36014536	36015061	+	0	NA	intron (N	intron (N	-69296	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr1-1138	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	(A)n|Simp	-4897	NM_001319	64858	Hs.591412	NM_022836	ENSG00000	DCLRE1B	APOLLO|SN	DNA cross	protein-coding
chr10-875	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr10	875874	876209	+	0	NA	intron (N	MSTC-int|	55664	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-877	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr10	87718358	87719332	+	0	NA	intron (N	intron (N	58967	NM_001015	9060	Hs.524491	NM_004670	ENSG00000	PAPSS2	ATPSK2|BC	3’-phosph	protein-coding
chr11-476	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr11	47618483	47620182	+	0	NA	intron (N	AluSz|SIN	23227	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochond	protein-coding
chr19-101	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr19	10124741	10125946	+	0	NA	Intergeni	AluSx1|SI	-5444	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr2-3936	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr2	39361928	39363452	+	0	NA	intron (N	L1MB1|LIN	74595	NM_003618	8491	Hs.655750	NM_003618	ENSG00000	MAP4K3	GLK|MAPKK	mitogen-a	protein-coding
chr2-2267	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	7889	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr2-2377	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	exon (NM_	exon (NM_	43070	NM_004735	9208	Hs.471779	NM_004735	ENSG00000	LRRFIP1	FLAP-1|FL	LRR bindi	protein-coding
chr20-347	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr20	34740935	34742140	+	0	NA	exon (NM_	exon (NM_	36818	NM_001329	58476	Hs.516994	NM_021202	ENSG00000	TP53INP2	C20orf110	tumor pro	protein-coding
chr21-391	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr21	39193198	39194064	+	0	NA	3’ UTR (N	3’ UTR (N	-10117	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-5254	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr3	52540185	52542401	+	0	NA	3’ UTR (N	3’ UTR (N	4688	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr3-1125	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	17530	NR_109779	1.01E+08	Hs.86538	NR_109779		LINC01279	-	long inte	ncRNA
chr5-1511	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	2051	NM_001363	309	Hs.412117	NM_001155	ENSG00000	ANXA6	ANX6|CBP6	annexin A	protein-coding
chr5-1772	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	35440	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr7-3064	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr7	30645206	30645526	+	0	NA	Intergeni	L2a|LINE|	37090	NM_001883	1395	Hs.546246	NM_001883	ENSG00000	CRHR2	CRF-RB|CR	corticotr	protein-coding
chr9-7028	6.137084	-0.54149	0.936302	-0.57833	0.563042	0.981636	chr9	70286902	70287546	+	0	NA	intron (N	HAL1|LINE	28246	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr14-504	11.10777	-0.41426	0.716313	-0.57832	0.563045	0.981636	chr14	50420281	50420861	+	0	NA	intron (N	AluJo|SIN	-23273	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr6-8567	10.6403	-0.41869	0.724122	-0.57821	0.563124	0.981636	chr6	85675946	85677809	+	0	NA	TTS (NR_0	TTS (NR_0	491	NR_002743	26799		NR_002743		SNORD50A	RNU50|U50	small nuc	snoRNA
chr2-1112	6.186081	-0.53944	0.93304	-0.57816	0.563158	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	45873	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr4-1395	6.186081	-0.53944	0.93304	-0.57816	0.563158	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MB7|LIN	40041	NM_001306	80854	Hs.480792	NM_030648	ENSG00000	SETD7	KMT7|SET7	SET domai	protein-coding
chr4-1683	6.186081	-0.53944	0.93304	-0.57816	0.563158	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	AluJr|SIN	-65601	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr4-1688	6.186081	-0.53944	0.93304	-0.57816	0.563158	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	MIRb|SINE	42666	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr9-1367	6.186081	-0.53944	0.93304	-0.57816	0.563158	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-2477	NM_001039	84960	Hs.728796	NM_032874	ENSG00000	CCDC183	KIAA1984|	coiled-co	protein-coding
chr14-501	8.650531	0.463781	0.802304	0.578062	0.563222	0.981636	chr14	50130486	50130737	+	0	NA	exon (NM_	exon (NM_	-14039	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr10-124	8.144235	0.475005	0.821867	0.577959	0.563292	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MB5|LIN	39242	NM_001167	64077	Hs.527748	NM_022126	ENSG00000	LHPP	HDHD2B	phospholy	protein-coding
chr11-949	8.144235	0.475005	0.821867	0.577959	0.563292	0.981636	chr11	9490805	9491815	+	0	NA	intron (N	intron (N	30298	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr6-1459	8.144235	0.475005	0.821867	0.577959	0.563292	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	LTR88c|LT	52289	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-1004	8.144235	0.475005	0.821867	0.577959	0.563292	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	5253	NM_030935	81628	Hs.469798	NM_030935	ENSG00000	TSC22D4	THG-1|THC	TSC22 dom	protein-coding
chr7-1511	8.144235	0.475005	0.821867	0.577959	0.563292	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4263	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr12-987	8.210798	0.481077	0.832539	0.577843	0.56337	0.981636	chr12	98733238	98733437	+	0	NA	3’ UTR (N	3’ UTR (N	88037	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr4-1435	8.210798	0.481077	0.832539	0.577843	0.56337	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-17618	NR_003675	441046	Hs.135705	NM_001011	ENSG00000	GUSBP5	GYPELOC44	GUSB pseu	pseudo
chr1-3335	3.965675	-0.67241	1.16375	-0.57779	0.563405	0.981636	chr1	33351775	33352255	+	0	NA	intron (N	intron (N	1663	NR_125978	1.02E+08	Hs.568627	NR_125978	ENSG00000	LOC101929	-	uncharact	ncRNA
chr11-621	3.965675	-0.67241	1.16375	-0.57779	0.563405	0.981636	chr11	62135378	62136667	+	0	NA	intron (N	AluYc|SIN	12011	NM_001040	3619	Hs.142179	NM_020238	ENSG00000	INCENP	-	inner cen	protein-coding
chr6-1273	3.965675	-0.67241	1.16375	-0.57779	0.563405	0.981636	chr6	1.27E+08	1.27E+08	+	0	NA	intron (N	MIRb|SINE	18791	NM_001139	55862	Hs.486410	NM_018479	ENSG00000	ECHDC1	HEL-S-76|	ethylmalo	protein-coding
chr3-5025	10.67959	-0.42479	0.735229	-0.57776	0.563425	0.981636	chr3	50252619	50252818	+	0	NA	intron (N	AluSx|SIN	5808	NM_001166	2771	Hs.77269	NM_002070	ENSG00000	GNAI2	GIP|GNAI2	G protein	protein-coding
chr10-679	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr10	67927744	67947338	+	0	NA	intron (N	intron (N	46139	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-952	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr10	95266211	95271697	+	0	NA	intron (N	intron (N	22049	NM_020992	9124	Hs.368525	NM_020992	ENSG00000	PDLIM1	CLIM1|CLP	PDZ and L	protein-coding
chr11-113	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA8A|LI	9638	NM_004724	9183	Hs.503886	NM_004724	ENSG00000	ZW10	HZW10|KNT	zw10 kine	protein-coding
chr11-122	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	3951	NR_137183	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr12-198	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr12	1989316	1992924	+	0	NA	TTS (NM_0	TTS (NM_0	13337	NM_001319	196513	Hs.130934	NM_152640	ENSG00000	DCP1B	DCP1	decapping	protein-coding
chr12-911	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr12	91105906	91108406	+	0	NA	intron (N	AluSx1|SI	4338	NM_002345	4060	Hs.406475	NM_002345	ENSG00000	LUM	LDC|SLRR2	lumican	protein-coding
chr13-467	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr13	46782918	46786782	+	0	NA	intron (N	MER46C|DN	12311	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr13-110	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	4378	NM_001267	3621	Hs.46700	NM_005537	ENSG00000	ING1	p24ING1c|	inhibitor	protein-coding
chr18-260	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr18	26020205	26020983	+	0	NA	intron (N	intron (N	70019	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr2-1087	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-17538	NM_001351	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-co	protein-coding
chr2-1725	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L1MB7|LIN	16857	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr2-1739	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	MIR|SINE|	46456	NM_001017	6670	Hs.531587	NM_003111	ENSG00000	SP3	SPR2	Sp3 trans	protein-coding
chr21-348	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr21	34863173	34865879	+	0	NA	intron (N	intron (N	24173	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr3-1237	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	57889	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1380	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	L1M5|LINE	26253	NM_001170	199221	Hs.351403	NM_173543	ENSG00000	DZIP1L	DZIP2|PKD	DAZ inter	protein-coding
chr3-1542	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	48743	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr3-1839	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-19248	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG00000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr3-1963	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSz|SIN	-28548	NR_037950	1.01E+08	Hs.733180	NR_037950		TM4SF19-T	-	TM4SF19-T	ncRNA
chr4-2638	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr4	26386061	26390806	+	0	NA	intron (N	MER58A|DN	67205	NM_001363	3516	Hs.479396	NM_005349	ENSG00000	RBPJ	AOS3|CBF1	recombina	protein-coding
chr5-7822	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr5	78221713	78222413	+	0	NA	intron (N	L1MC4|LIN	72635	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr6-1510	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	30870	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-1394	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSz|SIN	8482	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr8-4777	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr8	47776397	47779073	+	0	NA	exon (NM_	exon (NM_	-39571	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr8-6164	8.392622	-0.46444	0.803888	-0.57775	0.563435	0.981636	chr8	61646366	61648618	+	0	NA	intron (N	AluSz|SIN	42319	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr16-572	11.01763	-0.41757	0.723777	-0.57693	0.563984	0.981636	chr16	57238975	57239319	+	0	NA	3’ UTR (N	3’ UTR (N	-6112	NM_012106	23568	Hs.632873	NM_012106	ENSG00000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr7-5516	11.11747	-0.40727	0.706197	-0.57671	0.564133	0.981636	chr7	55165073	55167584	+	0	NA	intron (N	intron (N	22621	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr1-6244	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr1	62449410	62454426	+	0	NA	TTS (NM_0	TTS (NM_0	14869	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitin	protein-coding
chr1-1009	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MA1|LIN	20053	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr1-2016	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	10683	NM_020443	89796	Hs.585374	NM_020443	ENSG00000	NAV1	POMFIL3|S	neuron na	protein-coding
chr12-934	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr12	93473909	93474642	+	0	NA	intron (N	intron (N	6761	NR_038160	28977	Hs.199579	NM_014050	ENSG00000	MRPL42	HSPC204|I	mitochond	protein-coding
chr13-214	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr13	21411627	21411981	+	0	NA	intron (N	L2a|LINE|	47499	NR_104487	253832	Hs.564611	NM_153251	ENSG00000	ZDHHC20	4933421L1	zinc fing	protein-coding
chr13-526	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr13	52666116	52671391	+	0	NA	intron (N	intron (N	15917	NM_001320	10910	Hs.281902	NM_006704	ENSG00000	SUGT1	SGT1	SGT1 homo	protein-coding
chr13-113	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MDa|LIN	31089	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr13-113	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	37662	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr15-283	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr15	28308868	28310106	+	0	NA	intron (N	L1M1|LINE	12665	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-997	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr15	99714008	99714425	+	0	NA	3’ UTR (N	3’ UTR (N	19221	NM_001284	145748	Hs.562568	NM_152449	ENSG00000	LYSMD4	-	LysM doma	protein-coding
chr16-482	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr16	48256912	48257808	+	0	NA	intron (N	Tigger13a	-9821	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr17-170	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr17	17082611	17083246	+	0	NA	intron (N	L1MB3|LIN	40168	NM_201274	23164	Hs.462341	NM_015134	ENSG00000	MPRIP	M-RIP|MRI	myosin ph	protein-coding
chr17-475	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr17	47583359	47585000	+	0	NA	intron (N	AluSx1|SI	53071	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr17-784	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr17	78426241	78426600	+	0	NA	intron (N	L3|LINE|C	47771	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr2-8585	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	85854810	85855277	+	0	NA	promoter-	promoter-	-868	NM_001354	8869	Hs.415117	NM_003896	ENSG00000	ST3GAL5	SATI|SIAT	ST3 beta-	protein-coding
chr2-1118	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	27627	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr2-1137	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MC5a|LI	3785	NM_001330	80255	Hs.355655	NM_025181	ENSG00000	SLC35F5	-	solute ca	protein-coding
chr2-2164	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	27711	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr2-2299	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	AluJr|SIN	3760	NM_001348	9320	Hs.572642	NM_004238	ENSG00000	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr2-2380	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-39990	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr20-359	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr20	35940456	35941373	+	0	NA	exon (NM_	exon (NM_	13712	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr20-410	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr20	41088077	41090854	+	0	NA	intron (N	L1MB3|LIN	-48078	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PL	phospholi	protein-coding
chr22-239	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr22	23928736	23931576	+	0	NA	intron (N	LTR13|LTR	31025	NM_001080	653689	Hs.654462	NM_001080	ENSG00000	GSTT2B	GSTT2P	glutathio	protein-coding
chr22-297	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr22	29797289	29799163	+	0	NA	intron (N	intron (N	30857	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr3-5027	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	50273634	50276637	+	0	NA	intron (N	MIRc|SINE	1899	NR_106932	1.02E+08		NR_106932	ENSG00000	MIR6872	hsa-mir-6	microRNA	ncRNA
chr3-1288	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	Intergeni	MER5B|DNA	-27200	NR_162138	1.13E+08		NR_162138		MIR12124	-	microRNA	ncRNA
chr3-1345	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	65825	NM_001353	80254	Hs.443301	NM_025180	ENSG00000	CEP63	SCKL6	centrosom	protein-coding
chr3-1430	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	AluSq2|SI	32606	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding

chr3-1465	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	13874	NM_001363	5359	Hs.130759	NM_021105	ENSG00000	PLSCR1	MMTRA1B	phospholi	protein-coding
chr3-1970	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-35196	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAF	melanotra	protein-coding
chr4-7575	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr4	757515	758218	+	0	NA	intron (N	L1MEd|LIN	23982	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr4-1710	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr4	1710441	1710853	+	0	NA	intron (N	MER4C|LTR	1672	NM_001306	7884	Hs.298345	NM_006527	ENSG00000	SLBP	HBP	stem-loop	protein-coding
chr4-3990	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr4	39902198	39902770	+	0	NA	intron (N	intron (N	75427	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr4-5548	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr4	55486242	55486909	+	0	NA	intron (N	HAL1|LINE	59357	NM_001267	9575	Hs.436975	NM_004898	ENSG00000	CLOCK	KAT13D|bH	clock cir	protein-coding
chr4-1478	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	94091	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr6-3736	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr6	37361305	37362557	+	0	NA	intron (N	MIR3|SINE	7948	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr6-1102	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	L1ME3|LIN	38417	NM_015891	51362	Hs.428147	NM_015891	ENSG00000	CDC40	EHB3|PRP1	cell divi	protein-coding
chr7-2487	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr7	24871241	24871836	+	0	NA	intron (N	intron (N	21083	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORF	oxysterol	protein-coding
chr7-1024	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq2|SI	3054	NM_001371100								
chr8-2339	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr8	23394552	23395217	+	0	NA	intron (N	L1MB8|LIN	9236	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr8-4216	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chr8	42166533	42169523	+	0	NA	intron (N	intron (N	14965	NM_006803	10947	Hs.654529	NM_006803	ENSG00000	AP3M2	AP47B|CLA	adaptor r	protein-coding
chrX-2739	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chrX	2739454	2743514	+	0	NA	TTS (NM_0	TTS (NM_0	-10568	NM_001141	7499	Hs.179675	NM_175569	ENSG00000	XG	PBDX	Xg glycop	protein-coding
chrX-1547	6.170365	-0.53541	0.928577	-0.57659	0.564218	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	non-codin	non-codin	-1599	NR_002969	677817	Hs.689704	NR_002969	ENSG00000	SNORA36A	ACA36	small nuc	snoRNA
chr15-774	7.856744	-0.49462	0.857964	-0.57651	0.564273	0.981636	chr15	77459459	77459658	+	0	NA	intron (N	L2a|LINE|	38670	NM_001304	10363	Hs.69594	NM_018200	ENSG00000	HMG20A	HMGX1|HMG	high mobi	protein-coding
chr16-531	10.54046	-0.4293	0.74469	-0.57648	0.564291	0.981636	chr16	53185668	53185872	+	0	NA	intron (N	THE1C-int	-22195	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr15-592	7.923307	-0.48505	0.841494	-0.57642	0.564335	0.981636	chr15	59207784	59208032	+	0	NA	exon (NM_	exon (NM_	1065	NM_033195	92483	Hs.307052	NM_033195	ENSG00000	LDHAL6B	LDH6B|LDH	lactate d	protein-coding
chr5-3364	7.923307	-0.48505	0.841494	-0.57642	0.564335	0.981636	chr5	33645248	33645447	+	0	NA	intron (N	L1MEd|LIN	204571	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr1-1553	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-7431	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-1737	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	41000	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr1-2315	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (N	Charlie13	14002	NM_005999	7257	Hs.13318	NM_005999	ENSG00000	TSNAX	C3PO|TRAX	translin	protein-coding
chr10-103	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSz|SIN	94621	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucle	protein-coding
chr13-110	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MC4a|LI	5536	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr2-2275	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	intron (N	L1PA5|LIN	72741	NR_149019	729968	Hs.689550	NR_149019		LOC729968	-	spore coa	ncRNA
chr22-309	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr22	30931390	30937385	+	0	NA	intron (N	intron (N	12079	NR_026920	150291	Hs.592202	NM_153044	ENSG00000	MORC2-AS1	C22orf27|	MORC2 ant	ncRNA
chr4-5661	9.203974	0.443477	0.769568	0.576268	0.564434	0.981636	chr4	5661250	5662008	+	0	NA	intron (N	intron (N	46930	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr14-950	9.237256	0.446319	0.774681	0.576132	0.564526	0.981636	chr14	95095531	95096369	+	0	NA	exon (NM_	exon (NM_	37553	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr17-409	9.237256	0.446319	0.774681	0.576132	0.564526	0.981636	chr17	4095202	4097148	+	0	NA	intron (N	intron (N	46855	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr2-2412	5.427426	0.570004	0.989579	0.576007	0.564611	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	-18081	NM_001008	4735	Hs.721234	NM_004404	ENSG00000	SEPTIN2	DIFF6|NED	septin 2	protein-coding
chr11-108	11.10962	-0.40609	0.705059	-0.57597	0.564635	0.981636	chr11	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MCa|LIN	43005	NM_004398	1662	Hs.591931	NM_004398	ENSG00000	DDX10	Dbp4|HRH-	DEAD-box	protein-coding
chr3-1946	11.10962	-0.40609	0.705059	-0.57597	0.564635	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	CpG	2916	NM_138399	93109	Hs.478729	NM_138399	ENSG00000	TMEM44	-	transmemb	protein-coding
chr2-4712	4.897556	0.609716	1.058841	0.575833	0.564728	0.981636	chr2	47127637	47127836	+	0	NA	TTS (NM_1	TTS (NM_1	27572	NM_173649	285051	Hs.531575	NM_173649	ENSG00000	STPG4	C2orf61|C	sperm-tai	protein-coding
chr1-2335	17.588	0.330646	0.574287	0.575752	0.564783	0.981636	chr1	23359518	23367155	+	0	NA	intron (N	AluSx4|SI	5050	NM_030634	80818	Hs.293798	NM_030634	ENSG00000	ZNF436	ZNF|Zfp46	zinc fing	protein-coding
chr1-1208	22.28746	0.300044	0.521247	0.575628	0.564866	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	19704	NR_104086	1.02E+08		NR_104086	ENSG00000	RNVU1-19	RNU1-126|	RNA, vari	snRNA
chr17-283	9.188259	0.446952	0.776498	0.575599	0.564886	0.981636	chr17	28328797	28330149	+	0	NA	TTS (NM_0	TTS (NM_0	5999	NM_001267	90410	Hs.705431	NM_174887	ENSG00000	IFT20	-	intraflag	protein-coding
chr1-9158	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr1	9158793	9159764	+	0	NA	intron (N	intron (N	-7501	NR_029610	407040		NR_029610	ENSG00000	MIR34A	MIRN34A|m	microRNA	ncRNA
chr1-1705	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	Intergeni	MLT1H|LTR	-26287	NR_125958	1.02E+08	Hs.676662	NR_125958		GORAB-AS1	-	GORAB ant	ncRNA
chr1-2017	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-4432	NM_001167	89796	Hs.585374	NM_020443	ENSG00000	NAV1	POMFIL3|S	neuron na	protein-coding
chr14-497	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr14	49719423	49721092	+	0	NA	intron (N	AluSx|SIN	27137	NM_172193	122773	Hs.509258	NM_172193	ENSG00000	KLHDC1	MST025	kelch dom	protein-coding
chr15-485	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr15	48573794	48575259	+	0	NA	intron (N	intron (N	71262	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr2-3053	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr2	30533974	30534502	+	0	NA	intron (N	(TG)n|Sim	86992	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr2-4654	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr2	46548654	46549668	+	0	NA	intron (N	intron (N	-6584	NM_001318	90423	Hs.437691	NM_080653	ENSG00000	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr2-1209	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	164780	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr22-297	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr22	29738831	29743102	+	0	NA	intron (N	intron (N	20963	NM_182527	164633	Hs.643608	NM_182527	ENSG00000	CABP7	CALN2	calcium b	protein-coding
chr6-4429	5.468565	0.571442	0.993051	0.575441	0.564993	0.981636	chr6	44299992	44301264	+	0	NA	exon (NM_	exon (NM_	-2930	NM_182539	202500	Hs.189183	NM_182539	ENSG00000	TCTE1	D6S46|DRC	t-complex	protein-coding
chr5-4941	23.38834	0.296368	0.515144	0.575311	0.565081	0.981636	chr5	49419249	49419511	+	0	NA	Intergeni	ALR/Alpha	1021908	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-279	7.606507	0.495743	0.861751	0.575274	0.565106	0.981636	chr12	2797716	2798010	+	0	NA	exon (NM_	exon (NM_	2893	NM_002014	2288	Hs.524183	NM_002014	ENSG00000	FKBP4	FKBP51|FK	FKBP prol	protein-coding
chr16-282	12.42652	-0.39933	0.694638	-0.57487	0.56538	0.981636	chr16	28208699	28209033	+	0	NA	intron (N	intron (N	3099	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANE	exportin	protein-coding
chr17-134	11.06848	-0.40824	0.710529	-0.57456	0.565587	0.981636	chr17	13495978	13496965	+	0	NA	exon (NM_	exon (NM_	47175	NR_031679	1E+08		NR_031679	ENSG00000	MIR548H3	MIR548H-3	microRNA	ncRNA
chr1-1729	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr1	1729814	1739350	+	0	NA	intron (N	intron (N	-10225	NR_132739	728642	Hs.651228	NM_024011	ENSG00000	CDK11A	CDC2L2|CD	cyclin de	protein-coding
chr1-4658	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr1	46588670	46593774	+	0	NA	intron (N	intron (N	13046	NM_198973	8569	Hs.371594	NM_003684	ENSG00000	MKNK1	MNK1	MAPK inte	protein-coding
chr1-1847	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	38252	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr1-2077	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	L1PA6|LIN	23947	NM_172356	4179	Hs.510402	NM_002389	ENSG00000	CD46	AHUS2|MCP	CD46 mole	protein-coding
chr11-117	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	4038	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr12-293	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr12	2939635	2940935	+	0	NA	3’ UTR (N	3’ UTR (N	-19112	NM_003213	7004	Hs.94865	NM_003213	ENSG00000	TEAD4	EFTR-2|RT	TEA domai	protein-coding
chr12-131	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	LTR13A|LT	4621	NM_025215	80324	Hs.592004	NM_025215	ENSG00000	PUS1	MLASA1	pseudouri	protein-coding
chr14-311	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr14	31132034	31132246	+	0	NA	intron (N	intron (N	75653	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr17-816	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr17	81690447	81693841	+	0	NA	intron (N	intron (N	-1613	NR_106844	1.02E+08		NR_106844	ENSG00000	MIR6786	hsa-mir-6	microRNA	ncRNA
chr19-579	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr19	579651	583109	+	0	NA	exon (NM_	exon (NM_	-8501	NM_001194	610	Hs.124161	NM_001194	ENSG00000	HCN2	BCNG-2|BC	hyperpola	protein-coding
chr19-641	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr19	6414224	6419811	+	0	NA	promoter-	promoter-	-506	NR_037505	1.01E+08		NR_037505	ENSG00000	MIR3940	mir-3940	microRNA	ncRNA
chr19-172	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr19	17298079	17298963	+	0	NA	intron (N	intron (N	4904	NM_024527	79575	Hs.515664	NM_024527	ENSG00000	ABHD8	-	abhydrola	protein-coding
chr22-207	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr22	20796341	20801803	+	0	NA	intron (N	intron (N	24959	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|H	serpin fa	protein-coding
chr3-1078	8.681963	0.456509	0.794765	0.574395	0.565701	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	MIRc|SINE	76100	NR_024276	151658	Hs.159043	NR_015414	ENSG00000	LINC00635	-	long inte	ncRNA
chr17-645	7.647647	0.49682	0.865582	0.573972	0.565987	0.981636	chr17	64519727	64520057	+	0	NA	intron (N	intron (N	12915	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr9-1315	7.647647	0.49682	0.865582	0.573972	0.565987	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	52622	NM_001365	642515		NM_001365	ENSG00000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr11-351	11.10176	-0.40491	0.705779	-0.57371	0.566162	0.981636	chr11	35192858	35202885	+	0	NA	intron (N	intron (N	34921	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-937	11.10176	-0.40491	0.705779	-0.57371	0.566162	0.981636	chr11	93728808	93736583	+	0	NA	promoter-	promoter-	-196	NR_002920	654320	Hs.741060	NR_002920	ENSG00000	SNORA8	ACA8	small nuc	snoRNA
chr12-103	11.10176	-0.40491	0.705779	-0.57371	0.566162	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	12955	NR_037425	1.01E+08		NR_037425	ENSG00000	MIR3652	-	microRNA	ncRNA
chr7-4479	11.10176	-0.40491	0.705779	-0.57371	0.566162	0.981636	chr7	44799285	44804527	+	0	NA	3’ UTR (N	3’ UTR (N	5225	NM_021130	5478	Hs.356331	NM_021130	ENSG00000	PPIA	CYPA|CYPH	peptidylp	protein-coding
chr9-1119	11.10176	-0.40491	0.705779	-0.57371	0.566162	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	promoter-	promoter-	-905	NR_039814	1.01E+08		NR_039814	ENSG00000	MIR4668	mir-4668	microRNA	ncRNA
chr1-1494	8.640823	0.455391	0.794066	0.573492	0.566311	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-11947	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr5-1322	8.640823	0.455391	0.794066	0.573492	0.566311	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	8835	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr7-5515	10.90218	0.428084	0.746494	0.573459	0.566334	0.981636	chr7	55153976	55154175	+	0	NA	exon (NM_	exon (NM_	34874	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr19-190	5.982719	0.543698	0.948241	0.573375	0.566391	0.981636	chr19	19054447	19055234	+	0	NA	intron (N	intron (N	-9154	NM_001321	284439	Hs.303669	NM_178526	ENSG00000	SLC25A42	MECREN	solute ca	protein-coding
chr5-1384	5.982719	0.543698	0.948241	0.573375	0.566391	0.981636	chr5	13846613	13847112	+	0	NA	intron (N	intron (N	97618	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr3-4788	7.972305	-0.48341	0.843437	-0.57315	0.566545	0.981636	chr3	47881730	47882023	+	0	NA	intron (N	AluJr4|SI	32321	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr1-1449	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	186665	NM_001330	647135	Hs.497575	NM_001271	ENSG00000	SRGAP2B	SRGAP2L|S	SLIT-ROBO	protein-coding
chr15-424	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr15	42482788	42483430	+	0	NA	intron (N	L1MEb|LIN	8032	NM_001366	64397	Hs.511143	NM_022473	ENSG00000	ZNF106	SH3BP3|ZF	zinc fing	protein-coding
chr15-591	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr15	59157512	59158172	+	0	NA	intron (N	MER44B|DN	13420	NR_031750	1E+08		NR_031750	ENSG00000	MIR2116	mir-2116	microRNA	ncRNA
chr16-314	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr16	3141219	3141792	+	0	NA	non-codin	non-codin	-2786	NR_132322	197350	Hs.434132	NR_132322	ENSG00000	CASP16P	CASP16	caspase 1	pseudo
chr16-222	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr16	22266359	22269531	+	0	NA	intron (N	intron (N	-29430	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr17-682	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr17	68268593	68268996	+	0	NA	3’ UTR (N	3’ UTR (N	9612	NM_001352	22901	Hs.437249	NM_014960	ENSG00000	ARSG	USH4	arylsulfa	protein-coding
chr2-1125	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-9461	NR_136321	1.05E+08	Hs.599548	NR_136321		LOC105373	-	uncharact	ncRNA
chr2-1179	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	39421	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr2-2025	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	LTR12C|LT	127646	NM_001204	659	Hs.471119	NM_001204	ENSG00000	BMPR2	BMPR-II|B	bone morp	protein-coding
chr2-2380	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-27868	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr20-198	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr20	19873871	19874475	+	0	NA	Intergeni	Tigger17a	-12348	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr20-358	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr20	35895169	35896093	+	0	NA	intron (N	intron (N	58995	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr20-390	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr20	39034184	39035112	+	0	NA	intron (N	AluSz|SIN	72304	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr22-370	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr22	37025725	37026708	+	0	NA	intron (N	MIRb|SINE	-6033	NM_001270	7263	Hs.474783	NM_003312	ENSG00000	TST	RDS	thiosulfa	protein-coding
chr3-5169	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr3	51699497	51700701	+	0	NA	intron (N	intron (N	-6969	NM_001349	2912	Hs.121510	NM_000839	ENSG00000	GRM2	GLUR2|GPR	glutamate	protein-coding
chr7-7697	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr7	76975109	76975965	+	0	NA	Intergeni	Intergeni	-5285	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr8-1084	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	6193	NM_014673	9694	Hs.654351	NM_014673	ENSG00000	EMC2	KIAA0103|	ER membra	protein-coding
chr8-1279	5.435284	0.567109	0.989555	0.573095	0.56658	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-16329	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr10-737	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr10	73717047	73720178	+	0	NA	intron (N	intron (N	11894	NR_160426	1.14E+08		NR_160425		BMS1P4-AG	-	BMS1P4-AG	pseudo
chr14-777	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr14	77718178	77718667	+	0	NA	TTS (NM_0	TTS (NM_0	10319	NR_052025	81892	Hs.655105	NM_031210	ENSG00000	SLIRP	C14orf156	SRA stem-	protein-coding
chr17-672	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr17	67202477	67203060	+	0	NA	intron (N	intron (N	-42008	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr3-2748	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr3	27481976	27482714	+	0	NA	intron (N	intron (N	2039	NM_001321	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr3-1237	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME4c|LI	86687	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-1788	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	Intergeni	AluJb|SIN	-6173	NM_030613	80108	Hs.654533	NM_030613	ENSG00000	ZFP2	ZNF751|zf	ZFP2 zinc	protein-coding
chr6-2837	8.384764	-0.46289	0.807892	-0.57296	0.566671	0.981636	chr6	28378166	28379694	+	0	NA	non-codin	non-codin	3675	NR_160527	9753	Hs.134816	NM_014724	ENSG00000	ZSCAN12	ZFP96|ZNF	zinc fing	protein-coding
chr1-2243	7.980163	-0.48497	0.846632	-0.57282	0.566766	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L2b|LINE|	18379	NM_001277	29097	Hs.445890	NM_014184	ENSG00000	CNIH4	CNIH-4|CN	cornichon	protein-coding
chr15-518	5.990577	0.541025	0.944635	0.572735	0.566824	0.981636	chr15	51806954	51807578	+	0	NA	intron (N	intron (N	-22387	NM_014547	29766	Hs.4998	NM_014547	ENSG00000	TMOD3	UTMOD	tropomodu	protein-coding
chr18-123	5.990577	0.541025	0.944635	0.572735	0.566824	0.981636	chr18	12367949	12368500	+	0	NA	intron (N	AluJo|SIN	9052	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr7-1494	5.990577	0.541025	0.944635	0.572735	0.566824	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1ME3D|LI	16943	NM_001163	155061	Hs.24643	NM_152557	ENSG00000	ZNF746	PARIS	zinc fing	protein-coding
chr1-1138	8.715244	0.459408	0.802309	0.572607	0.566911	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	-6655	NM_001319	64858	Hs.591412	NM_022836	ENSG00000	DCLRE1B	APOLLO|SN	DNA cross	protein-coding
chr17-814	8.715244	0.459408	0.802309	0.572607	0.566911	0.981636	chr17	8148735	8149573	+	0	NA	intron (N	AluSx|SIN	3250	NM_002616	5187	Hs.445534	NM_002616	ENSG00000	PER1	PER|RIGUI	period ci	protein-coding
chr1-1089	9.211832	0.441789	0.77155	0.5726	0.566916	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJr|SIN	14801	NM_001278	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr15-732	9.211832	0.441789	0.77155	0.5726	0.566916	0.981636	chr15	73257708	73261484	+	0	NA	intron (N	AluJb|SIN	-40314	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr17-424	9.211832	0.441789	0.77155	0.5726	0.566916	0.981636	chr17	42487277	42492998	+	0	NA	intron (N	intron (N	-4636	NR_049845	1.01E+08		NR_049845	ENSG00000	MIR548AT	-	microRNA	ncRNA
chrX-4722	9.211832	0.441789	0.77155	0.5726	0.566916	0.981636	chrX	47223700	47227549	+	0	NA	intron (N	intron (N	2606	NM_001170	5127	Hs.496068	NM_006201	ENSG00000	CDK16	PCTAIRE|P	cyclin de	protein-coding
chr1-5195	8.351482	-0.46733	0.816557	-0.57232	0.567105	0.981636	chr1	51958930	51959239	+	0	NA	intron (N	L2b|LINE|	31616	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr15-830	8.351482	-0.46733	0.816557	-0.57232	0.567105	0.981636	chr15	83031595	83032057	+	0	NA	intron (N	L1PB2|LIN	-20187	NM_144597	123207	Hs.352541	NM_144597	ENSG00000	C15orf40	-	chromosom	protein-coding
chr22-217	8.351482	-0.46733	0.816557	-0.57232	0.567105	0.981636	chr22	21784884	21785083	+	0	NA	intron (N	AluJr|SIN	-49189	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr9-9500	8.351482	-0.46733	0.816557	-0.57232	0.567105	0.981636	chr9	95009376	95009770	+	0	NA	intron (N	intron (N	-55777	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr8-4806	10.6893	-0.41755	0.729954	-0.57202	0.567309	0.981636	chr8	48060721	48061410	+	0	NA	3’ UTR (N	3’ UTR (N	52634	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitin	protein-coding
chr20-294	12.38224	0.387443	0.677341	0.572007	0.567317	0.981636	chr20	29478708	29483081	+	0	NA	intron (N	intron (N	16440	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr17-429	8.433761	-0.46152	0.80688	-0.57199	0.567331	0.981636	chr17	42953097	42954090	+	0	NA	intron (N	L2b|LINE|	10861	NM_001261	80755	Hs.317403	NM_001261	ENSG00000	AARSD1	-	alanyl-tR	protein-coding
chr1-6246	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr1	62469765	62470745	+	0	NA	intron (N	L1PB1|LIN	33206	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitin	protein-coding
chr1-1717	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	2521	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr1-1717	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSx1|SI	14401	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr12-504	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr12	50439915	50442517	+	0	NA	intron (N	intron (N	-15355	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA

chr13-951	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr13	95192724	95194733	+	0	NA	intron (N	LTR45B|LT	-16616	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr2-6076	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr2	60767999	60768551	+	0	NA	intron (N	AluSq2|SI	12007	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr5-1769	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	non-codin	non-codin	37801	NM_016290	51720	Hs.232721	NM_016290	ENSG00000	UIMC1	RAP80|X2H	ubiquitin	protein-coding
chr7-1289	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	28586	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr9-1281	9.170693	0.440688	0.770616	0.571864	0.567414	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	10597	NM_001131	25792	Hs.212395	NM_012127	ENSG00000	CIZ1	LSFR1|NP9	CDKN1A in	protein-coding
chr3-3705	7.680929	0.499944	0.874342	0.571794	0.567462	0.981636	chr3	37051263	37051540	+	0	NA	TTS (NM_0	TTS (NM_0	58051	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr1-1208	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	7057	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr11-799	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr11	7999527	8000107	+	0	NA	3' UTR (N	3' UTR (N	12480	NM_003754	8665	Hs.516023	NM_003754	ENSG00000	EIF3F	EIF3S5|MF	eukaryoti	protein-coding
chr12-269	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr12	26921664	26925138	+	0	NA	intron (N	intron (N	14580	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr12-963	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr12	96319653	96320521	+	0	NA	intron (N	L1PA2|LIN	64589	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-107	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	Intergeni	L1MEg|LIN	-21212	NR_120474	1.02E+08	Hs.667028	NR_120474	ENSG00000	LOC101929	-	uncharact	ncRNA
chr12-116	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	142923	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr13-727	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr13	72717550	72718833	+	0	NA	intron (N	MLT1B|LTR	9438	NM_001071	440145	Hs.28465	NM_001071	ENSG00000	MZT1	C13orf37|	mitotic s	protein-coding
chr13-957	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr13	95788914	95792124	+	0	NA	intron (N	intron (N	113380	NM_006260	5611	Hs.59214	NM_006260	ENSG00000	DNAJC3	ACPHD|ERd	DnaJ heat	protein-coding
chr13-110	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	34531	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr14-921	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr14	92165309	92165700	+	0	NA	3' UTR (N	3' UTR (N	43535	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr15-592	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr15	59201021	59202087	+	0	NA	intron (N	AluSp|SIN	-5289	NM_033195	92483	Hs.307052	NM_033195	ENSG00000	LDHAL6B	LDH6B|LDH	lactate d	protein-coding
chr16-699	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr16	69980859	69981368	+	0	NA	intron (N	L1MEg|LIN	29933	NM_001370	348174	Hs.592064	NM_182619	ENSG00000	CLEC18A	MRCL|MRCL	C-type le	protein-coding
chr17-454	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr17	45480928	45481478	+	0	NA	intron (N	L1MB7|LIN	-5768	NR_036199	1E+08		NR_036199	ENSG00000	MIR4315-1	-	microRNA	ncRNA
chr19-323	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr19	32364402	32365545	+	0	NA	intron (N	L1PB1|LIN	19363	NM_014910	22847	Hs.205392	NM_014910	ENSG00000	ZNF507	-	zinc fing	protein-coding
chr19-331	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr19	33126351	33128108	+	0	NA	intron (N	L1ME3G|LI	-4885	NM_173479	126248	Hs.211046	NM_173479	ENSG00000	WDR88	PQWD	WD repeat	protein-coding
chr2-1769	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	17694939	17696676	+	0	NA	intron (N	intron (N	58003	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-6954	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	69543622	69544244	+	0	NA	intron (N	intron (N	-23762	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-7524	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	75242428	75242767	+	0	NA	Intergeni	L1P4a|LIN	-43077	NM_015727	6869	Hs.633301	NM_001058	ENSG00000	TACR1	NK1R|NKIR	tachykini	protein-coding
chr2-1356	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJo|SIN	-12953	NR_029672	406915		NR_029672	ENSG00000	MIR128-1	MIR128A|M	microRNA	ncRNA
chr2-1514	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	Tigger3b|	9082	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1514	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	46609	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-2011	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	non-codin	non-codin	-9699	NR_040030	65072	Hs.664613	NR_040030	ENSG00000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr2-2370	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	3552	NM_006710	10920	Hs.531713	NM_006710	ENSG00000	COPS8	COP9|CSN8	COP9 sign	protein-coding
chr20-292	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr20	2924072	2925308	+	0	NA	intron (N	AluSc5|SI	1483	NM_080841	5786	Hs.269577	NM_002836	ENSG00000	PTPRA	HEPTP|HLP	protein t	protein-coding
chr20-137	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr20	13775060	13776591	+	0	NA	intron (N	intron (N	9061	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr3-1125	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr3	11253412	11254963	+	0	NA	intron (N	HERVIP10F	1488	NM_000861	3269	Hs.1570	NM_000861	ENSG00000	HRH1	H1-R|H1R|	histamine	protein-coding
chr3-1721	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	83212	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr4-1026	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-105146	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr4-1218	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	MIRb|SINE	10929	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr5-3150	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr5	31504473	31506139	+	0	NA	intron (N	intron (N	26787	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-1405	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-17043	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-1309	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc5|SI	17833	NM_001350	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr7-1396	6.162508	-0.53336	0.932787	-0.57179	0.567463	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L2a|LINE|	125414	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr3-6423	8.642673	0.465702	0.815132	0.571321	0.567782	0.981636	chr3	64236915	64237330	+	0	NA	intron (N	LTR1E|LTR	-11656	NM_198859	166336	Hs.148105	NM_198859	ENSG00000	PRICKLE2	EPM5	prickle p	protein-coding
chr17-193	7.964447	-0.48178	0.843279	-0.57132	0.567784	0.981636	chr17	19309642	19310171	+	0	NA	exon (NM_	exon (NM_	-3645	NR_048576	1.01E+08	Hs.621672	NR_048576	ENSG00000	EPN2-AS1	-	EPN2 anti	ncRNA
chr1-9175	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr1	9175049	9175518	+	0	NA	intron (N	intron (N	-6921	NR_132738	1.03E+08	Hs.599298	NR_132738	ENSG00000	LNCTAM34A	GUARDIN|L	long non	ncRNA
chr12-533	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr12	53384352	53385582	+	0	NA	intron (N	AluSz6|SI	4323	NM_003109	6667	Hs.620754	NM_003109	ENSG00000	SP1	-	Sp1 trans	protein-coding
chr14-225	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr14	22573018	22575163	+	0	NA	intron (N	intron (N	15134	NM_001344	1603	Hs.82890	NM_001344	ENSG00000	DAD1	OST2	defender	protein-coding
chr16-118	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr16	11875387	11877738	+	0	NA	intron (N	AluSx1|SI	-25020	NM_015659	26156	Hs.401842	NM_015659	ENSG00000	RSL1D1	CSIG|L12|	ribosomal	protein-coding
chr16-580	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr16	58003306	58003543	+	0	NA	intron (N	AluJb|SIN	2017	NM_001204	79650	Hs.408702	NM_024598	ENSG00000	USB1	C16orf57|	U6 snRNA	protein-coding
chr18-273	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr18	2738530	2738828	+	0	NA	intron (N	intron (N	82792	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr21-333	8.425903	-0.46002	0.805328	-0.57122	0.567852	0.981636	chr21	33343660	33344106	+	0	NA	intron (N	AluSz6|SI	18913	NM_000629	3454	Hs.529400	NM_000629	ENSG00000	IFNAR1	AVP|IFN-a	interfero	protein-coding
chr11-648	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr11	64859742	64860021	+	0	NA	intron (N	intron (N	-15228	NM_017525	55561	Hs.293590	NM_017525	ENSG00000	CDC42BPG	DMPK2|HSM	CDC42 bin	protein-coding
chr11-124	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	intron (N	MER105|DN	-5854	NM_001199	54414	Hs.10056	NM_018978	ENSG00000	SIAE	AIS6|CSE-	sialic ac	protein-coding
chr12-259	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr12	2593409	2595497	+	0	NA	intron (N	L1MEd|LIN	77767	NR_046579	1.01E+08	Hs.667644	NR_046579	ENSG00000	CACNA1C-A	-	CACNA1C a	ncRNA
chr13-244	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr13	24429475	24431511	+	0	NA	intron (N	AluJb|SIN	82285	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr17-276	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr17	27616422	27618528	+	0	NA	intron (N	intron (N	-13713	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr19-374	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr19	37471413	37472166	+	0	NA	intron (N	L2|LINE|L	2218	NM_001321	148268	Hs.126962	NM_144694	ENSG00000	ZNF570	-	zinc fing	protein-coding
chr5-3210	8.648681	0.45358	0.794235	0.57109	0.567938	0.981636	chr5	32103218	32106816	+	0	NA	intron (N	AluJb|SIN	69302	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr1-9772	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr1	9772320	9773302	+	0	NA	intron (N	intron (N	51715	NM_001009	22883	Hs.29665	NM_014944	ENSG00000	CLSTN1	ALC-ALPHA	calsynten	protein-coding
chr1-2115	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	3' UTR (N	3' UTR (N	4505	NM_021194	7779	Hs.519469	NM_021194	ENSG00000	SLC30A1	ZNT1|ZRC1	solute ca	protein-coding
chr1-2242	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	-36418	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr12-531	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr12	53186096	53188423	+	0	NA	intron (N	MIR|SINE|	-6334	NM_001244	51380	Hs.279815	NM_015989	ENSG00000	CSAD	CSD|PCAP	cysteine	protein-coding
chr14-710	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr14	71051794	71052411	+	0	NA	intron (N	intron (N	144643	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr14-102	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	46472	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr16-668	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr16	66815726	66822425	+	0	NA	intron (N	L1ME3|LIN	11901	NM_003905	8883	Hs.460978	NM_003905	ENSG00000	NAE1	A-116A10.	NEDD8 act	protein-coding
chr17-759	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr17	7592345	7606344	+	0	NA	intron (N	intron (N	-9250	NM_006942	6665	Hs.95582	NM_006942	ENSG00000	SOX15	SOX20|SOX	SRY-box t	protein-coding
chr17-425	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr17	42581486	42582808	+	0	NA	non-codin	non-codin	-4316	NM_013290	29893	Hs.383019	NM_013290	ENSG00000	PSMC3IP	GT198|HOP	PSMC3 int	protein-coding
chr17-684	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr17	68442440	68453347	+	0	NA	intron (N	AluSc8|SI	9603	NM_017983	55062	Hs.463964	NM_017983	ENSG00000	WIPI1	ATG18|ATG	WD repeat	protein-coding
chr19-638	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr19	6386138	6391335	+	0	NA	TTS (NR_1	TTS (NR_1	967	NR_106945	1.02E+08		NR_106945	ENSG00000	MIR6885	hsa-mir-6	microRNA	ncRNA
chr2-9659	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr2	96593962	96595911	+	0	NA	non-codin	non-codin	43055	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr2-1874	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	AluSx|SIN	-24593	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr20-639	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr20	63928152	63931125	+	0	NA	intron (N	CpG-18136	9770	NR_030639	1E+08		NR_030639	ENSG00000	MIR941-3	MIRN941-3	microRNA	ncRNA
chr6-1008	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	32660	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr9-9682	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr9	96820451	96827260	+	0	NA	intron (N	intron (N	30659	NM_001346	158431	Hs.30567	NM_001001	ENSG00000	ZNF782	-	zinc fing	protein-coding
chr9-1132	9.178551	0.43899	0.768998	0.57086	0.568094	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSq2|SI	17877	NM_139286	246184	Hs.727648	NM_139286	ENSG00000	CDC26	ANAPC12|A	cell divi	protein-coding
chr11-515	34.70335	0.250432	0.438712	0.570835	0.568111	0.981636	chr11	51560434	51561039	+	0	NA	Intergeni	ALR/Alpha	1151589	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr16-887	8.441619	-0.46301	0.811233	-0.57075	0.568167	0.981636	chr16	88729710	88731429	+	0	NA	promoter-	promoter-	-611	NR_103774	1E+08	Hs.437712	NM_207451		LOC100289	-	uncharact	ncRNA
chr1-3334	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr1	33344276	33345460	+	0	NA	intron (N	AluJb|SIN	5031	NM_004427	1912	Hs.524271	NM_004427	ENSG00000	PHC2	EDR2|HPH2	polyhomeo	protein-coding
chr1-9677	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr1	96770543	96772257	+	0	NA	intron (N	intron (N	48762	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr12-954	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr12	95479244	95479486	+	0	NA	intron (N	intron (N	5213	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr15-250	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr15	25035418	25035987	+	0	NA	non-codin	non-codin	3829	NR_146168	1.01E+08	Hs.592473	NR_146168		PWAR6	HBT8|PAR-	Prader Wi	ncRNA
chr8-4797	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr8	47975932	47976221	+	0	NA	intron (N	AluSq2|SI	15135	NM_182746	4173	Hs.460184	NM_005914	ENSG00000	MCM4	CDC21|CDC	minichrom	protein-coding
chr9-1250	6.129226	-0.53949	0.945264	-0.57072	0.568186	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz|SIN	-85204	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr11-124	8.152093	0.472922	0.828798	0.570612	0.568263	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	5007	NR_120579	1.02E+08	Hs.173840	NR_120577	ENSG00000	LOC101929	-	uncharact	ncRNA
chr16-689	8.152093	0.472922	0.828798	0.570612	0.568263	0.981636	chr16	68974673	68975041	+	0	NA	intron (N	AluJb|SIN	-130796	NM_001199	3038	Hs.592069	NM_005329	ENSG00000	HAS3	-	hyalurona	protein-coding
chr19-103	8.152093	0.472922	0.828798	0.570612	0.568263	0.981636	chr19	10355304	10355717	+	0	NA	intron (N	AluSq2|SI	-15886	NM_001320	3385	Hs.654563	NM_002162	ENSG00000	ICAM3	CD50|CDW5	intercell	protein-coding
chr7-9237	8.152093	0.472922	0.828798	0.570612	0.568263	0.981636	chr7	92371542	92372187	+	0	NA	intron (N	intron (N	65450	NR_145992	1.05E+08		NM_001317	ENSG00000	TMBIM7P	-	transmemb	pseudo
chr8-2536	8.152093	0.472922	0.828798	0.570612	0.568263	0.981636	chr8	25364911	25365662	+	0	NA	intron (N	L2b|LINE|	-3774	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr6-5739	10.17099	-0.43204	0.757267	-0.57052	0.568323	0.981636	chr6	57398147	57398464	+	0	NA	intron (N	L1PREC2|L	8173	NR_036097	1E+08		NR_036097	ENSG00000	MIR548U	-	microRNA	ncRNA
chr1-5301	9.162835	0.442416	0.775929	0.570176	0.568558	0.981636	chr1	53017832	53018187	+	0	NA	intron (N	AluSq2|SI	3071	NM_001007	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr14-583	9.162835	0.442416	0.775929	0.570176	0.568558	0.981636	chr14	58310553	58310813	+	0	NA	intron (N	L1MA8|LIN	12128	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr2-2077	8.185375	0.475934	0.835086	0.569922	0.56873	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	18857	NM_001142	151195	Hs.471234	NM_152523	ENSG00000	CCNYL1	-	cyclin Y	protein-coding
chr1-6662	11.1429	-0.40278	0.706846	-0.56983	0.568793	0.981636	chr1	66624829	66628640	+	0	NA	intron (N	MER102b|D	-1706	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr20-256	11.1429	-0.40278	0.706846	-0.56983	0.568793	0.981636	chr20	25681057	25681645	+	0	NA	intron (N	intron (N	5588	NM_001290	26152	Hs.61881	NM_015655	ENSG00000	ZNF337	-	zinc fing	protein-coding
chr19-131	5.659911	-0.57501	1.009469	-0.56962	0.568935	0.981636	chr19	13140900	13141099	+	0	NA	3' UTR (N	3' UTR (N	9376	NM_001271	8677	Hs.43812	NM_003765	ENSG00000	STX10	SYN10|hsy	syntaxin	protein-coding
chr7-2992	8.110953	0.471776	0.828407	0.569498	0.569018	0.981636	chr7	29926119	29926563	+	0	NA	intron (N	intron (N	63460	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr18-961	11.06062	-0.40707	0.715067	-0.56928	0.569168	0.981636	chr18	9611013	9611837	+	0	NA	intron (N	intron (N	3134	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr1-7793	11.13504	-0.40161	0.705707	-0.56909	0.569295	0.981636	chr1	77932009	77933832	+	0	NA	intron (N	AluSp|SIN	-43381	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr11-937	11.13504	-0.40161	0.705707	-0.56909	0.569295	0.981636	chr11	93736678	93740480	+	0	NA	intron (N	intron (N	2916	NM_024116	79101	Hs.355750	NM_024116	ENSG00000	TAF1D	JOSD3|RAF	TATA-box	protein-coding
chr12-500	11.13504	-0.40161	0.705707	-0.56909	0.569295	0.981636	chr12	50089044	50090258	+	0	NA	intron (N	intron (N	4309	NM_003076	6602	Hs.79335	NM_003076	ENSG00000	SMARCD1	BAF60A|CR	SWI/SNF r	protein-coding
chr17-730	11.13504	-0.40161	0.705707	-0.56909	0.569295	0.981636	chr17	7309695	7314180	+	0	NA	TTS (NM_0	TTS (NM_0	3423	NM_004489	2874	Hs.438219	NM_004489	ENSG00000	GPS2	AMF-1	G protein	protein-coding
chr16-139	5.501847	0.575743	1.011901	0.568971	0.569376	0.981636	chr16	1393407	1394211	+	0	NA	intron (N	intron (N	-14157	NR_163466	64718	Hs.643536	NM_001037	ENSG00000	UNKL	C16orf28|	unk like	protein-coding
chr2-1214	8.24408	0.484089	0.850864	0.568938	0.569398	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	-100740	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr16-685	12.91997	0.378641	0.665702	0.568785	0.569502	0.981636	chr16	68541160	68564134	+	0	NA	intron (N	L2c|LINE|	13356	NM_001305	146198	Hs.461074	NM_133458	ENSG00000	ZFP90	FIK|NK10|	ZFP90 zin	protein-coding
chr5-3906	9.733844	0.430353	0.756669	0.568746	0.569528	0.981636	chr5	39066192	39067415	+	0	NA	intron (N	MSTA-int|	7596	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR ind	protein-coding
chr11-738	5.742191	-0.56578	0.995003	-0.56862	0.569613	0.981636	chr11	73888284	73888764	+	0	NA	promoter-	promoter-	-257	NM_001363	80227	Hs.525017	NM_025155	ENSG00000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr1-2294	7.882168	-0.48797	0.858377	-0.56848	0.569709	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	intron (N	11202	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr1-3974	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr1	39746366	39747486	+	0	NA	intron (N	L1MB4|LIN	8081	NR_036543	10450	Hs.524690	NM_006112	ENSG00000	PPIE	CYP-33|CY	peptidylp	protein-coding
chr10-314	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr10	31474554	31477210	+	0	NA	intron (N	L1PB4|LIN	-76127	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr12-501	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr12	50188961	50192662	+	0	NA	intron (N	intron (N	10722	NM_001243	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr2-2083	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-29526	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr4-1593	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	83091	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-1111	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	28478	NM_139281	134430	Hs.533237	NM_139281	ENSG00000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr9-3606	8.418045	-0.45847	0.806538	-0.56845	0.569733	0.981636	chr9	36063826	36064770	+	0	NA	intron (N	intron (N	27385	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversion	protein-coding
chrX-1299	3.957817	-0.66901	1.176913	-0.56844	0.569736	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	AluY|SINE	22186	NM_006649	10813	Hs.458598	NM_006649	ENSG00000	UTP14A	NYCO16|SL	UTP14A sm	protein-coding
chr2-3500	8.828655	-0.45022	0.792744	-0.56792	0.570086	0.981636	chr2	3500506	3500817	+	0	NA	intron (N	CpG	17086	NM_001306	55256	Hs.502773	NM_018269	ENSG00000	ADI1	APL1|ARD|	acireduct	protein-coding
chr1-2225	7.915449	-0.48318	0.8508	-0.56791	0.570097	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	-19496	NR_110613	1.01E+08	Hs.553851	NR_110613	ENSG00000	TAF1A-AS1	-	TAF1A ant	ncRNA
chr4-1028	7.915449	-0.48318	0.8508	-0.56791	0.570097	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	18910	NM_001300	7323	Hs.518773	NM_003340	ENSG00000	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chrX-6573	7.915449	-0.48318	0.8508	-0.56791	0.570097	0.981636	chrX	65733379	65733818	+	0	NA	intron (N	intron (N	65944	NM_002444	4478	Hs.87752	NM_002444	ENSG00000	MSN	HEL70|IMD	moesin	protein-coding
chr12-106	8.861936	-0.44593	0.785293	-0.56785	0.570139	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	L1MB7|LIN	-17773	NR_040246	1E+08	Hs.742087	NR_040246	ENSG00000	LOC100287	-	uncharact	ncRNA
chr3-1888	8.861936	-0.44593	0.785293	-0.56785	0.570139	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	exon (NM_	exon (NM_	74990	NR_046873	1.01E+08	Hs.616287	NR_046873	ENSG00000	TPRG1-AS1	-	TPRG1 ant	ncRNA
chr5-1283	8.861936	-0.44593	0.785293	-0.56785	0.570139	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	163157	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr6-3721	8.861936	-0.44593	0.785293	-0.56785	0.570139	0.981636	chr6	3721400	3723987	+	0	NA	TTS (NM_1	TTS (NM_1	29319	NM_183373	221749	Hs.484500	NM_183373	ENSG00000	PXDC1	C6orf145	PX domain	protein-coding
chr19-576	13.38327	0.367686	0.647545	0.567816	0.57016	0.981636	chr19	57615228	57625257	+	0	NA	exon (NM_	exon (NM_	6000	NM_003435	7693	Hs.469694	NM_003435	ENSG00000	ZNF134	pHZ-15	zinc fing	protein-coding
chr1-4074	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr1	40747418	40748241	+	0	NA	intron (N	intron (N	-6526	NR_029846	407034		NR_029846	ENSG00000	MIR30E	MIRN30E|m	microRNA	ncRNA
chr1-4497	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr1	44974978	44975513	+	0	NA	intron (N	L1MD3|LIN	11350	NM_020365	8891	Hs.533549	NM_020365	ENSG00000	EIF2B3	EIF-2B|EI	eukaryoti	protein-coding

chr11-862	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr11	86256911	86257878	+	0	NA	intron (	MER5B|DNA	12641	NM_003797	8726	Hs.50351	NM_003797	ENSG0000	EED	COGIS|HEE	embryonic	protein-coding
chr15-286	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr15	28677371	28678800	+	0	NA	intron (	L1ME1|LIN	23643	NR_036443	440248	Hs.531509	NM_199045	ENSG0000	HERC2P9	-	hect doma	pseudo
chr15-641	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr15	64178217	64181503	+	0	NA	intron (	intron (	-16705	NM_000942	5479	Hs.434937	NM_000942	ENSG0000	PPIB	B|CYP-S1|	peptidyl	protein-coding
chr2-2012	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (	intron (	7136	NM_033356	841	Hs.599762	NM_001228	ENSG0000	CASP8	ALPS2B|CA	caspase 8	protein-coding
chr8-1237	5.957295	0.536962	0.945681	0.567805	0.570168	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (	Tigger2|D	26274	NM_144963	157769	Hs.459174	NM_144963	ENSG0000	FAM91A1	-	family wi	protein-coding
chr12-511	5.998435	0.538433	0.948461	0.567691	0.570245	0.981636	chr12	51105083	51106168	+	0	NA	intron (	intron (	-22029	NM_030809	81566	Hs.524425	NM_030809	ENSG0000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr12-957	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr12	95780381	95781277	+	0	NA	intron (	L1PA5|LIN	9366	NM_001329	59277	Hs.201034	NM_021229	ENSG0000	NTN4	PRO3091	netrin 4	protein-coding
chr12-112	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	TTS (NM_C	TTS (NM_C	11766	NM_016816	4938	Hs.524760	NM_002534	ENSG0000	OAS1	E18/E16|1	2'-5'-oli	protein-coding
chr13-253	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr13	25338712	25340335	+	0	NA	intron (	intron (	-32451	NM_016529	51761	Hs.444957	NM_016529	ENSG0000	ATP8A2	ATP|ATPIE	ATPase ph	protein-coding
chr14-635	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr14	63532877	63533843	+	0	NA	intron (	AluSp|SIN	-9424	NR_158218	1.12E+08	Hs.632347	NR_158218		LOC112268	-	loricrin-	ncRNA
chr2-7280	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr2	72809331	72810193	+	0	NA	intron (	L1MC4a|LI	16271	NM_001321	23233	Hs.303454	NM_015189	ENSG0000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr22-376	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr22	37624516	37626061	+	0	NA	intron (	intron (	-14381	NM_001350	23616	Hs.601143	NM_018957	ENSG0000	SH3BP1	ARHGAP43	SH3 domai	protein-coding
chr8-1180	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	20789	NM_000127	2131	Hs.492618	NM_000127	ENSG0000	EXT1	EXT|LGCR|	exostosin	protein-coding
chr9-1714	6.203647	-0.5293	0.9325	-0.56762	0.570296	0.981636	chr9	17145085	17146168	+	0	NA	intron (	intron (	10586	NM_001114	54875	Hs.435381	NM_017738	ENSG0000	CNTLN	C9orf101|	centlein	protein-coding
chr1-1637	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr1	1637244	1649498	+	0	NA	intron (	L1M4c|LIN	10591	NR_002946	8511	Hs.671760	NR_002946	ENSG0000	MMP23A	MIFR|MIFR	matrix me	pseudo
chr1-1444	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	745	NM_173638	284565	Hs.523572	NM_173638	ENSG0000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr1-1698	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	intron (	intron (	29954	NM_020423	57147	Hs.435560	NM_020423	ENSG0000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr10-737	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr10	73789396	73798471	+	0	NA	non-codir	non-codir	7466	NR_038357	1.01E+08	Hs.631828	NR_038357	ENSG0000	ZSWIM8-AS	-	ZSWIM8 ar	ncRNA
chr12-132	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	25398	NM_183238	1E+08	Hs.29698	NM_183238	ENSG0000	ZNF605	-	zinc fing	protein-coding
chr13-102	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	16675	NM_000123	2073	Hs.258429	NM_000123	ENSG0000	ERCC5	COFS3|ERC	ERCC exci	protein-coding
chr14-306	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr14	30634817	30635355	+	0	NA	intron (	intron (	12767	NM_016106	23256	Hs.369168	NM_016106	ENSG0000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-962	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr14	96206115	96213918	+	0	NA	intron (	AluSx|SIN	5218	NM_000623	624	Hs.654542	NM_000623	ENSG0000	BDKRB2	B2R|BK-2|	bradykini	protein-coding
chr17-599	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr17	59933279	59937632	+	0	NA	intron (	intron (	29285	NM_016125	51136	Hs.531701	NM_016125	ENSG0000	RNFT1	PTD016	ring fing	protein-coding
chr19-363	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr19	36392005	36396268	+	0	NA	intron (	intron (	-14935	NM_001297	57677	Hs.35524	NM_020917	ENSG0000	ZFP14	ZNF531	ZFP14 zir	protein-coding
chr19-491	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr19	49170527	49174457	+	0	NA	intron (	intron (	14700	NM_017636	54795	Hs.467101	NM_017636	ENSG0000	TRPM4	LTrpC4|PF	transient	protein-coding
chr2-2191	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	3' UTR (	3' UTR (	4868	NM_001321	79137	Hs.516707	NM_024293	ENSG0000	RETREG2	C2orf17|F	reticulop	protein-coding
chr22-175	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr22	17591104	17599684	+	0	NA	intron (	intron (	-6202	NM_001288	1.02E+08	Hs.629929	NM_001288707		LOC101929	-	uncharact	protein-coding
chr3-4595	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr3	45952788	45966345	+	0	NA	intron (	intron (	16102	NM_006564	10663	Hs.34526	NM_006564	ENSG0000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding
chr3-4911	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr3	49111446	49115803	+	0	NA	intron (	AluJb|SIN	7314	NM_001351	10869	Hs.255596	NM_006677	ENSG0000	USP19	ZMYND9	ubiquitin	protein-coding
chr6-1378	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	-8938	NR_049793	1E+08	Hs.598050	NR_049793	ENSG0000	WAKMAR2	lnc-TNFAI	wound anc	ncRNA
chr8-2541	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr8	25411176	25414093	+	0	NA	3' UTR (	3' UTR (	11627	NM_001083	2796	Hs.82963	NM_000825	ENSG0000	GNRH1	GNRH|GRH|	gonadotro	protein-coding
chr8-1436	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (	AluJr|SIN	-3634	NM_014789	9831	Hs.43133	NM_014789	ENSG0000	ZNF623	-	zinc fing	protein-coding
chr9-7971	9.186409	0.437291	0.77098	0.567189	0.570586	0.981636	chr9	79718317	79723240	+	0	NA	intron (	L2a|LINE|	-103752	NR_121213	1.02E+08	Hs.571630	NR_121212		LINC01507	XLOC_0003	long inte	ncRNA
chr11-122	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr11	12249605	12250439	+	0	NA	intron (	intron (	-36878	NM_032867	84953	Hs.60371	NM_032867	ENSG0000	MICALCL	Ebitein1	MICAL C-t	protein-coding
chr11-522	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr11	52284349	52285078	+	0	NA	Intergeni	ALR/Alpha	1875566	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-650	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr14	65082159	65084007	+	0	NA	TTS (NM_1	TTS (NM_1	-6835	NR_045122	1.01E+08	Hs.711267	NR_045122	ENSG0000	LOC100506	-	uncharact	ncRNA
chr16-718	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr16	71876849	71877538	+	0	NA	intron (	intron (	3283	NM_001318	55565	Hs.744055	NM_017530	ENSG0000	ZNF821	-	zinc fing	protein-coding
chr17-307	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr17	30749863	30751626	+	0	NA	intron (	FRAM|SINE	41136	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr19-402	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr19	4023511	4024206	+	0	NA	intron (	intron (	16122	NM_015897	51588	Hs.105779	NM_015897	ENSG0000	PIAS4	PIAS-gamm	protein i	protein-coding
chr19-118	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr19	11899997	11900328	+	0	NA	intron (	AluSq2|SI	12380	NM_001364	7620	Hs.565280	NM_021915	ENSG0000	ZNF69	Cos5|hZNF	zinc fing	protein-coding
chr20-298	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr20	2989583	2991326	+	0	NA	intron (	AluJb|SIN	-53168	NM_001501	2797	Hs.129715	NM_001501	ENSG0000	GNRH2	GnRH-II|L	gonadotro	protein-coding
chr20-333	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr20	33360901	33361784	+	0	NA	intron (	L1MEf|LIN	40177	NM_016408	51654	Hs.435952	NM_016082	ENSG0000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr22-370	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr22	37056444	37058533	+	0	NA	exon (NM_	exon (NM_	5752	NM_001282	79734	Hs.517597	NM_024681	ENSG0000	KCTD17	-	potassium	protein-coding
chr3-3684	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr3	36840769	36843120	+	0	NA	intron (	intron (	-19444	NR_147141	1.05E+08	Hs.333862	NR_147141	ENSG0000	LINC02033	-	long inte	ncRNA
chr6-1080	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (	intron (	11160	NM_014028	28962	Hs.226780	NM_014028	ENSG0000	OSTM1	GIPN|GL|H	osteoclas	protein-coding
chr6-1114	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	-52168	NR_034108	643749	Hs.486228	NR_034108	ENSG0000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr7-3591	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr7	35911331	35912423	+	0	NA	Intergeni	HERVK9-ir	110658	NM_001363	989	Hs.191346	NM_001788	ENSG0000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-6707	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr7	67074788	67076518	+	0	NA	intron (	L1MB8|LIN	38744	NR_039794	1.01E+08		NR_039794	ENSG0000	MIR4650-2	-	microRNA	ncRNA
chr7-9250	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr7	92500552	92501571	+	0	NA	intron (	intron (	-23115	NM_001130	30816		NM_014590	ENSG0000	ERVW-1	ENV|ENVW|	endogenou	protein-coding
chr7-9895	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chr7	98958538	98959313	+	0	NA	intron (	intron (	-54240	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chrX-1376	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chrX	13768289	13769951	+	0	NA	3' UTR (	3' UTR (	34372	NM_003611	8481	Hs.6483	NM_003611	ENSG0000	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chrX-7146	5.965153	0.53433	0.942083	0.567179	0.570593	0.981636	chrX	71461008	71462444	+	0	NA	intron (	L2c|LINE|	30723	NR_002226	27160	Hs.721806	NR_002226	ENSG0000	INGX	ING1-like	inhibitor	pseudo
chr2-9282	19.323	-0.31639	0.557938	-0.56707	0.570667	0.981636	chr2	92829661	92829994	+	0	NA	Intergeni	ALR/Alpha	888694	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr14-104	6.211505	-0.53128	0.936902	-0.56706	0.570676	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	3' UTR (	3' UTR (	-2986	NM_152328	122622	Hs.592327	NM_152328	ENSG0000	ADSSL1	Adss1|MPD	adenylosu	protein-coding
chr17-106	18.14144	0.324311	0.571929	0.567047	0.570682	0.981636	chr17	1062226	1069597	+	0	NA	intron (	AluSx|SIN	13082	NM_001282	29	Hs.159306	NM_001092	ENSG0000	ABR	MDB	ABR activ	protein-coding
chr12-120	11.12718	-0.40042	0.706427	-0.56683	0.570829	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (	AluY|SINE	2836	NM_001002	6175	Hs.546285	NM_001002	ENSG0000	RPLP0	L10E|LP0|	ribosomal	protein-coding
chr1-1509	9.21969	0.440091	0.777232	0.566229	0.571238	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	16954	NM_022075	29956	Hs.744017	NM_013384	ENSG0000	CERS2	L3|LASS2|	ceramide	protein-coding
chr19-523	9.21969	0.440091	0.777232	0.566229	0.571238	0.981636	chr19	52394325	52395685	+	0	NA	intron (	MLT1D|LTR	2752	NR_125345	1.03E+08	Hs.188680	NR_125345	ENSG0000	ZNF528-AS	-	ZNF528 ar	ncRNA
chr3-8813	8.376906	-0.46129	0.814832	-0.56612	0.571311	0.981636	chr3	88138790	88139309	+	0	NA	exon (NM_	exon (NM_	10817	NM_001195	8545	Hs.444818	NM_003663	ENSG0000	CGGBP1	CGGBP|p20	CGG tripl	protein-coding
chr5-5452	8.376906	-0.46129	0.814832	-0.56612	0.571311	0.981636	chr5	54526122	54526621	+	0	NA	intron (	AluSz|SIN	8612	NM_001102	112574	Hs.432755	NM_052870	ENSG0000	SNX18	SH3PX2|SH	sorting n	protein-coding
chr7-1390	8.376906	-0.46129	0.814832	-0.56612	0.571311	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (	THE1C|LTR	22943	NM_020119	56829	Hs.133512	NM_020119	ENSG0000	ZC3HAV1	ARTD13|FL	zinc fing	protein-coding
chr3-1016	8.854078	-0.44447	0.785112	-0.56612	0.571311	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (	HAL1|LINE	-12966	NR_024407	1E+08	Hs.743292	NR_024407	ENSG0000	ZBTB11-AS	-	ZBTB11 ar	ncRNA
chr7-9256	8.854078	-0.44447	0.785112	-0.56612	0.571311	0.981636	chr7	92566320	92566740	+	0	NA	intron (	AluJo|SIN	23519	NM_001288	257415	Hs.18564	NM_152789	ENSG0000	FAM133B	-	family wi	protein-coding
chr15-719	9.70842	0.425988	0.752481	0.566111	0.571318	0.981636	chr15	71930814	71932576	+	0	NA	intron (	L1MA7|LIN	121141	NM_014249	10002	Hs.187354	NM_014249	ENSG0000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr2-2732	9.70842	0.425988	0.752481	0.566111	0.571318	0.981636	chr2	27328008	27329253	+	0	NA	intron (	(TTCA)n|S	-5533	NM_002437	4358	Hs.75659	NM_002437	ENSG0000	MPV17	CMT2EE|MT	mitochond	protein-coding
chr9-4464	8.689821	0.454603	0.803162	0.566016	0.571383	0.981636	chr9	44649601	44650788	+	0	NA	Intergeni	ALR/Alpha	1524028	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr6-1513	5.41171	0.5758	1.017469	0.565914	0.571452	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	19790	NM_020861	57621	Hs.520073	NM_020861	ENSG0000	ZBTB2	ZNF437	zinc fing	protein-coding
chr5-9550	8.877652	-0.44897	0.793456	-0.56584	0.571503	0.981636	chr5	95506160	95506865	+	0	NA	intron (	intron (	48493	NM_014639	9652	Hs.482868	NM_014639	ENSG0000	TTC37	KIAA0372|	tetratric	protein-coding
chr7-9831	8.877652	-0.44897	0.793456	-0.56584	0.571503	0.981636	chr7	98314775	98315257	+	0	NA	intron (	Kanga2_a|	33330	NM_015379	25798	Hs.567438	NM_015379	ENSG0000	BRI3	I3	brain pro	protein-coding
chr10-112	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr10	1128771	1130313	+	0	NA	3' UTR (	3' UTR (	-30226	NR_015376	399706	Hs.721191	NM_001010	ENSG0000	LINC00200	C10orf139	long inte	ncRNA
chr14-747	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr14	74738760	74739435	+	0	NA	TTS (NM_C	TTS (NM_C	-24219	NM_019589	56252	Hs.531111	NM_019589	ENSG0000	YLPM1	C14orf170	YLP motif	protein-coding
chr16-259	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr16	2597976	2598627	+	0	NA	3' UTR (	3' UTR (	-5083	NR_015441	652276	Hs.720448	NR_015441	ENSG0000	LOC652276	-	potassium	pseudo
chr16-305	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr16	30555117	30555740	+	0	NA	exon (NM_	exon (NM_	2946	NM_033410	92595	Hs.132227	NM_033410	ENSG0000	ZNF764	-	zinc fing	protein-coding
chr3-4876	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr3	48763465	48765016	+	0	NA	intron (	intron (	-46962	NM_001146	51447	Hs.595983	NM_016291	ENSG0000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr8-2300	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr8	23007705	23008811	+	0	NA	intron (	intron (	8679	NM_015178	23221	Hs.372688	NM_015178	ENSG0000	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr9-1330	8.656539	0.451707	0.798411	0.565758	0.571559	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	promoter-	promoter-	-173	NR_106937	1.02E+08		NR_106937	ENSG0000	MIR6877	hsa-mir-6	microRNA	ncRNA
chr17-270	8.748526	0.462351	0.817382	0.565649	0.571632	0.981636	chr17	2700919	2701850	+	0	NA	exon (NM_	exon (NM_	-8465	NR_106834	1.02E+08		NR_106834	ENSG0000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr1-1977	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr1	19777413	19777993	+	0	NA	intron (	MLT1L|LTR	21646	NM_001349	255104	Hs.466729	NM_181719	ENSG0000	TMCO4	-	transmemb	protein-coding
chr1-2437	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr1	24378378	24378954	+	0	NA	intron (	intron (	-34821	NM_001322	57185	Hs.523442	NM_020448	ENSG0000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr1-4019	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr1	40195992	40197654	+	0	NA	intron (	intron (	35436	NM_012421	6018	Hs.205627	NM_012421	ENSG0000	RLF	ZN-15L|ZN	rearrange	protein-coding
chr1-5196	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr1	51966950	51968783	+	0	NA	intron (	MLT1D|LTR	22834	NM_002867	5865	Hs.123072	NM_002867	ENSG0000	RAB3B	-	RAB3B, me	protein-coding
chr1-5654	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr1	56549642	56552824	+	0	NA	intron (	intron (	28330	NM_003713	8613	Hs.405156	NM_003713	ENSG0000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr14-505	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr14	50519438	50520205	+	0	NA	intron (	intron (	12748	NM_198794	11183	Hs.130491	NM_006575	ENSG0000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr18-247	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr18	24703328	24703792	+	0	NA	Intergeni	LTR26|LTR	-22221	NR_134604	1.05E+08	Hs.569901	NR_134604	ENSG0000	LOC105372	-	uncharact	ncRNA
chr18-318	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr18	31899342	31901131	+	0	NA	intron (	AluSz|SIN	42892	NM_014939	22878	Hs.202001	NM_014939	ENSG0000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr19-101	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr19	10175311	10176467	+	0	NA	intron (	AluSx1|SI	19064	NM_001318	1786	Hs.202672	NM_001379	ENSG0000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr19-347	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr19	34737215	34737914	+	0	NA	intron (	L1M5|LINE	3321	NM_001029	339318	Hs.720472	NM_001029	ENSG0000	ZNF181	HHZ181	zinc fing	protein-coding
chr2-1913	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (	intron (	55827	NM_001161	4430	Hs.439620	NM_012223	ENSG0000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr22-382	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr22	38216524	38217460	+	0	NA	TTS (NM_C	TTS (NM_C	7728	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr6-3218	6.195789	-0.52728	0.932413	-0.5655	0.571737	0.981636	chr6	32182688	32183542	+	0	NA	exon (NM_	exon (NM_	1138	NM_001206	177	Hs.534342	NM_001136	ENSG0000	AGER	RAGE|SCAR	advanced	protein-coding
chr13-438	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr13	43885104	43885766	+	0	NA	intron (	L1PA15|LI	5531	NM_153218	144811	Hs.210586	NM_153218	ENSG0000	LACC1	C13orf31|	laccase c	protein-coding
chr13-984	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr13	98426509	98427416	+	0	NA	intron (	L1MC2|LIN	95163	NM_003576	8428	Hs.508514	NM_003576	ENSG0000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-648	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr15	64853604	64854953	+	0	NA	intron (	intron (	12363	NM_025201	80301	Hs.709337	NM_025201	ENSG0000	PLEKHO2	PLEKHQ1|F	pleckstri	protein-coding
chr17-387	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr17	38712329	38714174	+	0	NA	intron (	intron (	-6440	NR_039879	1.01E+08		NR_039879	ENSG0000	MIR4726	-	microRNA	ncRNA
chr20-255	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr20	25509365	25510434	+	0	NA	intron (	intron (	75632	NM_025176	22981	Hs.631508	NM_025176	ENSG0000	NINL	NLP	ninein li	protein-coding
chr20-637	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr20	63767342	63767951	+	0	NA	intron (	intron (	27870	NM_020062	56731	Hs.435126	NM_020062	ENSG0000	SLC2A4RG	GEF|HDBP-	SLC2A4 re	protein-coding
chr22-370	5.443142	0.564065	0.998421	0.564957	0.572103	0.981636	chr22	37029642	37030137	+	0	NA	TTS (NM_C	TTS (NM_C	-9706	NM_001270	7263	Hs.474783	NM_003312	ENSG0000	TST	RDS	thiosulfa	protein-coding
chr19-271	13.39113	0.366512	0.648774	0.564931	0.572121	0.981636	chr19	27168301	27169258	+	0	NA	Intergeni	ALR/Alpha	-624652	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr3-7573	13.39113	0.366512	0.648774	0.564931	0.572121	0.981636	chr3	75737728	75741937	+	0	NA	intron (	intron (	1552	NR_036235	1E+08		NR_036235	ENSG0000	MIR4273	-	microRNA	ncRNA
chr19-519	13.921	0.36026	0.637912	0.56475	0.572244	0.981636	chr19	51940088	51946203	+	0	NA	intron (	L2a|LINE|	-5989	NR_103847	1.02E+08	Hs.637744	NR_103847	ENSG0000	ZNF350-AS	HCCAT3|uc	ZNF350 ar	ncRNA
chr14-777	9.145269	0.436185	0.772612	0.564559	0.572373	0.981636	chr14	77704137	77704399	+	0	NA	intron (	intron (	3755	NM_006020	8846	Hs.94542	NM_006020	ENSG0000	ALKBH1	ABH|ABH1|	alkB homo	protein-coding
chr16-218	9.145269	0.436185	0.772612	0.564559	0.572373	0.981636	chr16	21853833	21855608	+	0	NA	intron (	intron (	2937	NM_001135	1E+08	Hs.611072	NM_001135	ENSG0000	NPIPB5	-	nuclear p	protein-coding
chr5-1772	8.820797	-0.44879	0.795165	-0.5644	0.572481	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	L1ME1|LIN	49326	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, me	protein-coding
chr12-491	13.86174	-0.36172	0.640943	-0.56436	0.572508	0.981636	chr12	49127335	49131275	+	0	NA	exon (NM_	exon (NM_	2090	NM_006082	10376	Hs.524390	NM_006082	ENSG0000	TUBA1B	K-ALPHA-1	tubulin a	protein-coding
chr10-425	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr10	42522035	42522333	+	0	NA	intron (	intron (	30686	NR_026777	1E+08	Hs.278064	NR_026777	ENSG0000	ZNF37BP	KOX21|ZNF	zinc fing	pseudo
chr12-955	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr12	95523416	95524362	+	0	NA	intron (	AluSx|SIN	24349	NM_001278	84101	Hs.646421	NM_032147	ENSG0000	USP44	-	ubiquitin	protein-coding
chr15-433	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr15	43398073	43399828	+	0	NA	intron (	L1MC5a|LI	27849	NM_001286	27229	Hs.584887	NM_014444	ENSG0000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr16-218	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr16	21836768	21837165	+	0	NA	exon (NM_	exon (NM_	-16481	NM_018427	54700	Hs.460078	NM_018427	ENSG0000	RRN3	A-270G1.2	RRN3 homo	protein-coding
chr17-394	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr17	39465510	39466364	+	0	NA	intron (	intron (	4451	NM_015083	51755	Hs.345028	NM_015083	ENSG0000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-195	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr19	19507392	19507697	+	0	NA	3' UTR (	3' UTR (	8004	NM_032037	83983	Hs.532711	NM_032037	ENSG0000	TSSK6	CT72|FKSG	testis sp	protein-coding
chr2-2026	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr2	20267517	20268085	+	0	NA	intron (	intron (	-42368	NM_001006	6382	Hs.224607	NM_002997	ENSG0000	SDC1	CD138|SDC	syndecan	protein-coding
chr22-328	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr22	32849990	32850772	+	0	NA	intron (	intron (	49565	NM_000362	7078	Hs.644633	NM_000362	ENSG0000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr5-1686	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr5	16860959	16861755	+	0	NA	intron (	AluSq2|SI	74931	NM_012334	4651	Hs.481720	NM_012334	ENSG0000	MYO10	-	myosin X	protein-coding
chr5-1725	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr5	17258830	17259834	+	0	NA	intron (	THE1B|LTR	41701	NM_006317	10409	Hs.201641	NM_006317	ENSG0000	BASP1	CAP-23|CA	brain abu	protein-coding
chr7-1487	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (	AluSz|SIN	88459	NM_001203	2146	Hs.444082	NM_004456	ENSG0000	EZH2	ENX-1|ENX	enhancer	protein-coding
chr9-1905	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr9	19059904	19061885	+	0	NA	intron (	AluSp|SIN	2892	NR_003009	677776	Hs.689635	NR_003009	ENSG0000	SCARNA8	U92	small Ca	ncRNA
chr9-1003	6.15465	-0.53125	0.941554	-0.56423	0.572598	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (	L1MB7|LIN	25455	NM_001161	54881	Hs.494648	NM_017746	ENSG0000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr6-7525	5.575782	-0.60183	1.066822	-0.56414	0.57266	0.981636	chr6	75251564	75251800	+	0	NA	Intergeni	HAL1|LINE	-1384	NM_001865	1347	Hs.70312	NM_001865	ENSG0000	COX7A2	COX7AL|CO	cytochrom	protein-coding
chr16-817	5.949437	0.539705	0.957154	0.563864	0.572847	0.981636	chr16	81708258	81708696	+	0	NA	intron (	intron (	43123	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr17-454	9.716278	0.42438	0.752673	0.56383	0.57287	0.981636	chr17	45473600	45475907	+	0	NA	TTS (NR_C	TTS (NR_C	682	NR_036271	1E+08		NR_036271	ENSG0000	MIR4315-2	-	microRNA	ncRNA
chr6-1496	9.716278	0.42438	0.752673	0.56383	0.57287	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	non-codir	non-codir	32194	NR_073033	9113	Hs.549084	NM_004690	ENSG0000	LATS1	WARTS|wts	large tum	protein-coding
chr16-294	13.78732	-0.36606	0.649277	-0.5638	0.572889	0.981636	chr16	29435208	29436056	+	0	NA	non-codir	non-codir	11394	NR_135312	1E+08	Hs.552700	NR_135312	ENSG0000	SMG1P6	-	SMG1 pseu	pseudo
chr3-1250	8.410187	-0.45687	0.810553	-0.56366	0.572988	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (	AluSz|SIN	5712	NM_020733	57493	Hs.477420	NM_020733	ENSG0000	HEG1	HEG|MST11	heart dev	protein-coding

chr4-7614	8.410187	-0.45687	0.810553	-0.56366	0.572988	0.981636	chr4	76143236	76144009	+	0	NA	intron (N	AluSx4|SI	4775	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-1503	8.410187	-0.45687	0.810553	-0.56366	0.572988	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	16124	NR_157074	972	Hs.436568	NM_004355	ENSG00000	CD74	DHLAG|HLA	CD74 mole	protein-coding
chr15-649	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr15	64971161	64974690	+	0	NA	intron (N	intron (N	16545	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr16-756	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr16	75601202	75603634	+	0	NA	intron (N	MER21C|LT	20863	NM_012091	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr16-846	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr16	84656790	84660599	+	0	NA	intron (N	intron (N	10183	NM_024731	79786	Hs.222731	NM_024731	ENSG00000	KLHL36	C16orf44	kelch lik	protein-coding
chr19-509	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr19	5097350	5100246	+	0	NA	intron (N	MLT1A0|LT	129685	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr20-112	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr20	1125067	1129123	+	0	NA	intron (N	intron (N	8493	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr3-1077	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	161260	NR_024276	151658	Hs.159043	NR_015414	ENSG00000	LINC00635	-	long inte	ncRNA
chr5-1773	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	14964	NM_006816	10960	Hs.75864	NM_006816	ENSG00000	LMAN2	C5orf8|GP	lectin, m	protein-coding
chr6-1334	9.153127	0.434493	0.770988	0.563553	0.573058	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	221076	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr13-113	8.343624	-0.46577	0.826698	-0.56341	0.573156	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEc|LIN	10955	NM_001256	8858	Hs.1011	NM_003891	ENSG00000	PROZ	PZ	protein Z	protein-coding
chr5-9554	8.795373	-0.45482	0.807567	-0.56319	0.573303	0.981636	chr5	95542797	95543058	+	0	NA	intron (N	intron (N	12078	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr19-469	8.218656	0.478881	0.850324	0.563175	0.573316	0.981636	chr19	46997572	46997890	+	0	NA	intron (N	intron (N	-22106	NM_002517	4861	Hs.79564	NM_002517	ENSG00000	NPAS1	MOP5|PASD	neuronal	protein-coding
chr12-121	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr12	12146459	12147756	+	0	NA	intron (N	AluY|SINE	35155	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr12-282	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr12	28270704	28271211	+	0	NA	intron (N	L2a|LINE|	-80219	NR_148936	729291	Hs.129278	NR_148936		LOC729291	-	uncharact	ncRNA
chr14-689	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr14	68971020	68975425	+	0	NA	intron (N	intron (N	6080	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr19-111	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr19	11164931	11168314	+	0	NA	intron (N	intron (N	-10810	NM_001317	147841	Hs.381225	NM_182513	ENSG00000	SPC24	SPBC24	SPC24 com	protein-coding
chr19-522	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr19	52287949	52291123	+	0	NA	intron (N	intron (N	-7633	NM_001297	147657	Hs.729317	NM_144684	ENSG00000	ZNF480	-	zinc fing	protein-coding
chr2-2153	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	Tigger4a|	8091	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-176	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr20	17676017	17679217	+	0	NA	intron (N	AluSq2|SI	4625	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr3-1414	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr3	14145874	14146617	+	0	NA	intron (N	intron (N	21305	NM_024334	79188	Hs.517817	NM_024334	ENSG00000	TMEM43	ARVC5|ARV	transmemb	protein-coding
chr3-4567	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr3	45671170	45675416	+	0	NA	intron (N	intron (N	15589	NR_033947	644714	Hs.712889	NR_033947		LIMD1-AS1	-	LIMD1 ant	ncRNA
chr6-1767	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr6	17672730	17675737	+	0	NA	intron (N	L1ME1|LIN	-31897	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr8-3061	8.88736	-0.44031	0.781856	-0.56317	0.573322	0.981636	chr8	30611129	30614001	+	0	NA	intron (N	AluSx|SIN	-26015	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr10-691	7.848886	-0.49281	0.875183	-0.56309	0.573375	0.981636	chr10	69192162	69192407	+	0	NA	intron (N	L1ME3Cz|L	12050	NM_001323	6832	Hs.106469	NM_003171	ENSG00000	SUPV3L1	SUV3	Suv3 like	protein-coding
chr15-654	8.895218	-0.44178	0.784603	-0.56306	0.573397	0.981636	chr15	65459607	65460369	+	0	NA	intron (N	intron (N	-37041	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOP	immunoglo	protein-coding
chr16-511	8.895218	-0.44178	0.784603	-0.56306	0.573397	0.981636	chr16	51136223	51139793	+	0	NA	intron (N	intron (N	12589	NM_001127	6299	Hs.135787	NM_002968	ENSG00000	SALL1	HEL-S-89|	spalt lik	protein-coding
chr8-2225	8.895218	-0.44178	0.784603	-0.56306	0.573397	0.981636	chr8	22253385	22254874	+	0	NA	TTS (NR_1	TTS (NR_1	8996	NM_001722	661	Hs.148342	NM_001722	ENSG00000	POLR3D	BN51T|RPC	RNA polym	protein-coding
chr9-1347	8.895218	-0.44178	0.784603	-0.56306	0.573397	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	62972	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-1095	8.615399	0.450544	0.800628	0.562739	0.573613	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-16364	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr10-936	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr10	93668637	93670862	+	0	NA	non-codin	non-codin	32823	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr11-636	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr11	63634617	63635682	+	0	NA	intron (N	AluSz6|SI	-20680	NM_001128	11145	Hs.502775	NM_007069	ENSG00000	PLAAT3	AdPLA|H-R	phosphol	protein-coding
chr11-106	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-19435	NM_001330	143879	Hs.101949	NM_152433	ENSG00000	KBTBD3	BKLHD3	kelch rep	protein-coding
chr14-504	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr14	50449687	50452720	+	0	NA	intron (N	L1M4a1|LI	-53905	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr15-297	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr15	29762669	29763624	+	0	NA	intron (N	intron (N	57528	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr15-383	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr15	38324807	38325838	+	0	NA	intron (N	Tigger4b|	72486	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr17-356	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr17	35648052	35648340	+	0	NA	intron (N	intron (N	60874	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr4-1011	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr4	10112593	10115958	+	0	NA	intron (N	intron (N	2524	NM_005112	9948	Hs.128548	NM_005112	ENSG00000	WDR1	AIP1|HEL-	WD repeat	protein-coding
chr6-5662	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr6	56622445	56626320	+	0	NA	intron (N	(ATTTTA)n	18507	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-8561	8.84622	-0.44303	0.78751	-0.56258	0.573724	0.981636	chr6	85616530	85618748	+	0	NA	intron (N	MIRc|SINE	-23483	NM_001350	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr1-1801	11.5965	-0.38914	0.691983	-0.56235	0.573875	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-43623	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr2-1718	11.5965	-0.38914	0.691983	-0.56235	0.573875	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	HERV4_I-i	61962	NM_003705	8604	Hs.470608	NM_003705	ENSG00000	SLC25A12	AGC1|ARAL	solute ca	protein-coding
chr1-2368	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	32357	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr12-763	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr12	76392508	76393434	+	0	NA	intron (N	intron (N	30314	NM_001319	114882	Hs.430849	NM_020841	ENSG00000	OSBPL8	MST120|MS	oxysterol	protein-coding
chr12-109	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	39695	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr15-586	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr15	58679187	58680240	+	0	NA	intron (N	AluSz6|SI	13894	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-801	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr15	80125167	80126063	+	0	NA	intron (N	intron (N	27199	NM_001242	54469	Hs.596679	NM_019006	ENSG00000	ZFAND6	AWP1|ZA20	zinc fing	protein-coding
chr16-816	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr16	81660873	81661843	+	0	NA	intron (N	intron (N	-3996	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr20-435	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr20	43547242	43547635	+	0	NA	Intergeni	L1MC5a|LI	-11589	NM_170693	10110	Hs.300863	NM_016276	ENSG00000	SGK2	H-SGK2|dJ	serum/glu	protein-coding
chr22-353	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr22	35339880	35343120	+	0	NA	intron (N	intron (N	-4701	NR_106717	1.02E+08		NR_106717	ENSG00000	MIR6069	hsa-mir-6	microRNA	ncRNA
chr4-5616	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr4	5616682	5618477	+	0	NA	intron (N	L2a|LINE|	90980	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr7-2315	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr7	23152050	23153456	+	0	NA	intron (N	ERVL-B4-i	-29295	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr7-2994	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr7	29949885	29951218	+	0	NA	intron (N	MER52A|LT	39250	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr7-9943	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr7	99431542	99432199	+	0	NA	intron (N	LTR5B|LTR	6928	NM_015545	26024	Hs.632313	NM_015545	ENSG00000	PTCD1	-	pentatric	protein-coding
chr7-1293	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MB7|LIN	-44028	NM_001130	23382	Hs.600789	NM_015328	ENSG00000	AHCYL2	ADOHCYASE	adenosylh	protein-coding
chr7-1306	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	ERVL-E-in	6644	NM_012133	26958	Hs.6421	NM_012133	ENSG00000	COPG2	2-COP|gam	coatomer	protein-coding
chr9-1221	5.973011	0.531716	0.945896	0.562129	0.574028	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJo|SIN	13571	NM_014222	4702	Hs.495039	NM_014222	ENSG00000	NDUFA8	CI-19KD|C	NADH:ubiq	protein-coding
chr1-2226	9.682997	0.421686	0.750697	0.561726	0.574303	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	30519	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 d	protein-coding
chr10-100	9.682997	0.421686	0.750697	0.561726	0.574303	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	3710	NM_005004	4714	Hs.523215	NM_005004	ENSG00000	NDUFB8	ASHI|CI-A	NADH:ubiq	protein-coding
chr11-466	9.682997	0.421686	0.750697	0.561726	0.574303	0.981636	chr11	46650188	46650928	+	0	NA	intron (N	intron (N	33282	NM_001346	9776	Hs.127403	NM_014741	ENSG00000	ATG13	KIAA0652|	autophagy	protein-coding
chr12-111	5.476423	0.568304	1.011852	0.561647	0.574357	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	SVA_F|Ret	38190	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr17-485	12.86126	0.373236	0.664564	0.561625	0.574371	0.981636	chr17	48542138	48543637	+	0	NA	3’ UTR (N	3’ UTR (N	-1464	NR_102279	1.01E+08	Hs.171806	NR_102279	ENSG00000	HOXB-AS1	HOXB3OS	HOXB clus	ncRNA
chr1-1787	9.675139	0.423314	0.753821	0.561558	0.574417	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSx|SIN	29590	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-2130	9.675139	0.423314	0.753821	0.561558	0.574417	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	exon (NM_	exon (NM_	10163	NM_001300	90806	Hs.157078	NM_144567	ENSG00000	ANGEL2	Ccr4d|KIA	angel hom	protein-coding
chr15-412	9.675139	0.423314	0.753821	0.561558	0.574417	0.981636	chr15	41298068	41299544	+	0	NA	non-codin	non-codin	13464	NR_152821	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr2-3257	9.675139	0.423314	0.753821	0.561558	0.574417	0.981636	chr2	32574271	32576477	+	0	NA	promoter-	promoter-	-556	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr2-2273	9.675139	0.423314	0.753821	0.561558	0.574417	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	2247	NM_001277	56947	Hs.471528	NM_020194	ENSG00000	MFF	C2orf33|F	mitochond	protein-coding
chr17-161	4.401708	-0.61932	1.102897	-0.56154	0.574429	0.981636	chr17	16173146	16173807	+	0	NA	intron (N	L1M3|LINE	-20280	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr2-1135	4.401708	-0.61932	1.102897	-0.56154	0.574429	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	-11674	NR_121187	1.03E+08	Hs.9015	NR_121185	ENSG00000	PGM5P4-AS	FAM233C	PGM5P4 ar	ncRNA
chr7-1280	4.401708	-0.61932	1.102897	-0.56154	0.574429	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-6699	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr1-2332	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr1	23322831	23325264	+	0	NA	intron (N	AluSz6|SI	20237	NM_001102	10236	Hs.373763	NM_005826	ENSG00000	HNRNPR	HNRPR|hnR	heteroger	protein-coding
chr10-315	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr10	31522893	31529181	+	0	NA	intron (N	intron (N	-126282	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-919	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr10	91936201	91938072	+	0	NA	intron (N	AluSc|SIN	13366	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr13-454	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr13	45486594	45487985	+	0	NA	intron (N	L1MA4A|LI	22350	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr14-506	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr14	50660585	50663341	+	0	NA	intron (N	L1MA4A|LI	6343	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr15-830	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr15	83020098	83020851	+	0	NA	intron (N	intron (N	-8835	NM_144597	123207	Hs.352541	NM_144597	ENSG00000	C15orf40	-	chromosom	protein-coding
chr19-484	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr19	48470676	48472279	+	0	NA	intron (N	L2b|LINE|	2108	NM_004228	9266	Hs.144011	NM_004228	ENSG00000	CYTH2	ARNO|CTS1	cytohesin	protein-coding
chr2-1120	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	L1PREC2|L	15372	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr2-2267	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	3’ UTR (N	3’ UTR (N	63587	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr3-1504	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr3	15048408	15049524	+	0	NA	3’ UTR (N	3’ UTR (N	16349	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr4-5540	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr4	55403215	55407366	+	0	NA	intron (N	MER6B|DNA	9333	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr4-1187	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	50619	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr6-5733	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr6	57330497	57331515	+	0	NA	intron (N	AluSx3|SI	13376	NM_000947	5558	Hs.654580	NM_000947	ENSG00000	PRIM2	PRIM2A|p5	DNA prima	protein-coding
chr6-8753	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr6	87538366	87541935	+	0	NA	intron (N	intron (N	49837	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr7-1210	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	(TTC)n|Si	58283	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr9-2355	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr9	23559	24709	+	0	NA	intron (N	L2a|LINE|	5605	NM_182905	1E+08	Hs.446466	NM_182905	ENSG00000	WASHC1	FAM39E|WA	WASH comp	protein-coding
chr9-3606	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr9	36066250	36069382	+	0	NA	intron (N	intron (N	30903	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversion	protein-coding
chr9-9220	8.879502	-0.43887	0.781675	-0.56144	0.574495	0.981636	chr9	92207788	92222779	+	0	NA	intron (N	L1PA3|LIN	-24127	NM_001350	138652	Hs.742918	NM_001350291		PRSS47	-	serine pr	protein-coding
chr12-124	7.948731	-0.4782	0.852187	-0.56115	0.574695	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluY|SINE	-87861	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr6-1120	7.948731	-0.4782	0.852187	-0.56115	0.574695	0.981636	chr6	11205969	11206238	+	0	NA	intron (N	intron (N	26565	NM_182966	4739	Hs.37982	NM_006403	ENSG00000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr1-9263	8.903076	-0.44326	0.789989	-0.5611	0.574728	0.981636	chr1	92634971	92636034	+	0	NA	intron (N	L1PA4|LIN	-148577	NM_005263	2672	Hs.73172	NM_005263	ENSG00000	GFI1	GFI-1|GFI	growth fa	protein-coding
chr13-972	5.62663	-0.58193	1.037403	-0.56094	0.574835	0.981636	chr13	97276523	97276741	+	0	NA	intron (N	intron (N	54299	NM_144778	10150	Hs.657347	NM_144778	ENSG00000	MBNL2	MBLL|MBLL	musclebli	protein-coding
chr17-134	11.58864	-0.388	0.69177	-0.56088	0.574876	0.981636	chr17	1343022	1346045	+	0	NA	TTS (NR_0	TTS (NR_0	55689	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|H	tyrosine	protein-coding
chr4-5428	11.58864	-0.388	0.69177	-0.56088	0.574876	0.981636	chr4	54281881	54284102	+	0	NA	intron (N	MSTA-int|	49031	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr7-9313	11.58864	-0.388	0.69177	-0.56088	0.574876	0.981636	chr7	93134488	93136485	+	0	NA	exon (NM_	exon (NM_	12899	NM_001350	219285	Hs.489118	NM_152703	ENSG00000	SAMD9L	ATXPC|C7o	sterile a	protein-coding
chr2-1645	9.194267	0.435557	0.776662	0.560807	0.574929	0.981636	chr2	1645530	1646023	+	0	NA	intron (N	intron (N	98739	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COP	peroxidas	protein-coding
chr1-1787	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA15-16	43346	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr15-809	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr15	80981587	80982202	+	0	NA	intron (N	(ATA)n|Si	7925	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr16-158	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr16	15867489	15869192	+	0	NA	intron (N	AluSx1|SI	-11310	NM_022844	4629	Hs.460109	NM_002474	ENSG00000	MYH11	AAT4|FAA4	myosin he	protein-coding
chr18-576	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr18	57679392	57680090	+	0	NA	intron (N	AluSx1|SI	49410	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-418	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr19	41899343	41899906	+	0	NA	intron (N	AluSp|SIN	15181	NM_199002	9138	Hs.631550	NM_004706	ENSG00000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr2-9847	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr2	9847133	9847622	+	0	NA	intron (N	intron (N	3903	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-2676	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr2	26767677	26768434	+	0	NA	intron (N	intron (N	3771	NM_017877	54978	Hs.1594	NM_017877	ENSG00000	SLC35F6	ANT2BP|C2	solute ca	protein-coding
chr4-8468	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr4	8468078	8469813	+	0	NA	intron (N	intron (N	28148	NM_001350	152992	Hs.566191	NM_024950	ENSG00000	TRMT44	C4orf23|M	tRNA meth	protein-coding
chr6-4225	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr6	42256506	42257268	+	0	NA	intron (N	intron (N	-39026	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochond	protein-coding
chr8-1250	6.187931	-0.52517	0.936647	-0.56069	0.575011	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	23286	NM_003129	6713	Hs.71465	NM_003129	ENSG00000	SQLE	-	squalene	protein-coding
chr4-1682	11.16832	-0.39824	0.710296	-0.56066	0.575026	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	Tigger3a|	90616	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr22-383	4.43499	-0.61057	1.089098	-0.56062	0.575057	0.981636	chr22	38357480	38358326	+	0	NA	intron (N	intron (N	-39819	NM_001894	1454	Hs.474833	NM_001894	ENSG00000	CSNK1E	CKIe|CKIe	casein ki	protein-coding
chr5-1328	4.43499	-0.61057	1.089098	-0.56062	0.575057	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2781	NM_133456	134549	Hs.519574	NM_133456	ENSG00000	SHROOM1	APXL2	shroom fa	protein-coding
chr19-119	13.89558	0.357176	0.637216	0.560526	0.575121	0.981636	chr19	11946587	11952125	+	0	NA	exon (NM_	exon (NM_	-15684	NM_001367	284390	Hs.646386	NM_001012	ENSG00000	ZNF763	ZNF|ZNF44	zinc fing	protein-coding
chr4-1832	8.623257	0.448712	0.800797	0.560332	0.575253	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	exon (NM_	exon (NM_	-20773	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG00000	WWC2-AS1	-	WWC2 anti	ncRNA
chr15-430	6.121368	-0.53744	0.959217	-0.56029	0.57528	0.981636	chr15	43052350	43052648	+	0	NA	intron (N	intron (N	53539	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr19-118	13.39899	0.36532	0.652027	0.560283	0.575286	0.981636	chr19	11865469	11869928	+	0	NA	exon (NM_	exon (NM_	1669	NM_152262	90594	Hs.528731	NM_152262	ENSG00000	ZNF439	-	zinc fing	protein-coding
chr19-196	7.655505	0.494224	0.882382	0.560102	0.57541	0.981636	chr19	1969539	1970293	+	0	NA	exon (NM_	exon (NM_	-15367	NR_033400	255193	Hs.374717	NM_152771	ENSG00000	CSNK1G2-A	C19orf34	CSNK1G2 a	ncRNA
chr1-1625	11.16046	-0.39707	0.709154	-0.55992	0.575534	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	5091	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr1-5179	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr1	51796687	51798671	+	0	NA	intron (N	intron (N	38723	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr16-839	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr16	83958064	83964172	+	0	NA	intron (N	MER4A1|LT	-7514	NM_019065	54550	Hs.140950	NM_019065	ENSG00000	NECAB2	EFCBP2|st	N-termina	protein-coding
chr17-401	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr17	4011828	4018224	+	0	NA	intron (N	intron (N	37923	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-291	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr17	29108391	29111746	+	0	NA	exon (NM_	exon (NM_	30321	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr17-388	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr17	38819672	38821269	+	0	NA	intron (N	intron (N	4851	NM_017748	54883	Hs.406223	NM_017748	ENSG00000	CWC25	CCDC49	CWC25 spl	protein-coding
chr19-409	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr19	4098712	4102613	+	0	NA	intron (N	AluJr4|SI	23467	NM_030662	5605	Hs.465627	NM_030662	ENSG00000	MAP2K2	CFC4|MAPK	mitogen-a	protein-coding
chr19-408	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr19	40826776	40827162	+	0	NA	Intergeni	Intergeni	-15869	NR_144551	171523	Hs.656713	NR_144551	ENSG00000	CYP2T1P	CYP2T2P	cytochrom	pseudo
chr2-2708	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr2	27082100	27082574	+	0	NA	exon (NM_	exon (NM_	3722	NM_007046	11117	Hs.63348	NM_007046	ENSG00000	EMILIN1	EMI|EMILI	elastin m	protein-coding

chr20-394	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr20	3949156	3950215	+	0	NA	intron (N	AluJb|SIN	-32122	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr20-518	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr20	5185621	5187346	+	0	NA	intron (N	intron (N	59475	NM_003818	8760	Hs.126857	NM_003818	ENSG00000	CDS2	-	CDP-diacy	protein-coding
chr21-336	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr21	33620658	33621577	+	0	NA	intron (N	AluYe5|SI	20624	NM_145858	9946	Hs.352671	NM_145311	ENSG00000	CRYZL1	4P11|QOH-	crystalli	protein-coding
chr22-314	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr22	31440873	31443244	+	0	NA	exon (NM_	exon (NM_	42454	NM_004147	4733	Hs.115242	NM_004147	ENSG00000	DRG1	NEDD3	developme	protein-coding
chr6-7137	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr6	71372761	71373096	+	0	NA	Intergeni	AluSq2|SI	4103	NR_029598	407032		NR_029598	ENSG00000	MIR30C2	MIRN30C2|	microRNA	ncRNA
chr7-6626	9.160985	0.432774	0.772975	0.559881	0.575561	0.981636	chr7	66264038	66265646	+	0	NA	intron (N	L1M4|LINE	59508	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr19-112	8.159951	0.470686	0.840787	0.559815	0.575605	0.981636	chr19	11232388	11233309	+	0	NA	intron (N	intron (N	-6771	NM_018687	55908	Hs.534467	NM_018687	ENSG00000	ANGPTL8	C19orf80|	angiopoie	protein-coding
chr1-4562	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr1	45627999	45635234	+	0	NA	intron (N	L1MC|LINE	-7562	NM_001114	149483	Hs.18912	NM_152500	ENSG00000	CCDC17	-	coiled-co	protein-coding
chr1-1571	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	3216	NR_001560	360155	Hs.491808	NR_001560	ENSG00000	CYCSP52	HC6|HCP2	CYCS pseu	pseudo
chr1-1804	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MB8|LIN	-13044	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-2309	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	19485	NM_001346	64801	Hs.275736	NM_022786	ENSG00000	ARV1	EIEE38	ARV1 homo	protein-coding
chr1-2354	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	TTS (NM_1	TTS (NM_1	57305	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr10-718	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr10	71823831	71832176	+	0	NA	intron (N	intron (N	16120	NM_001171	64072	Hs.656032	NM_022124	ENSG00000	CDH23	CDHR23|PI	cadherin	protein-coding
chr10-102	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-24440	NM_001288	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr17-286	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr17	28615187	28622273	+	0	NA	intron (N	intron (N	-4545	NM_001174	124923	Hs.729077	NM_144610	ENSG00000	RSKR	SGK494	ribosomal	protein-coding
chr19-489	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr19	48906653	48919374	+	0	NA	exon (NM_	exon (NM_	5878	NR_046633	1.01E+08	Hs.569933	NR_046633	ENSG00000	NUCB1-AS1	-	NUCB1 ant	ncRNA
chr2-1591	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	MLT1D|LTR	11479	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr20-355	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr20	35547402	35550899	+	0	NA	intron (N	MIR|SINE|	7072	NM_015966	51614	Hs.472558	NM_015966	ENSG00000	ERGIC3	C20orf47|	ERGIC and	protein-coding
chr22-180	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr22	18079999	18081786	+	0	NA	intron (N	L1MA6|LIN	2902	NM_017929	55670	Hs.517400	NM_017929	ENSG00000	PEX26	PBD7A|PBD	peroxisom	protein-coding
chr4-1186	9.690855	0.420082	0.750889	0.559446	0.575857	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	-19038	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr10-133	8.459185	-0.45541	0.814042	-0.55944	0.575862	0.981636	chr10	13331354	13332548	+	0	NA	intron (N	L1MB7|LIN	16342	NM_012247	22929	Hs.124027	NM_012247	ENSG00000	SEPHS1	SELD|SPS|	selenopho	protein-coding
chr12-962	8.459185	-0.45541	0.814042	-0.55944	0.575862	0.981636	chr12	96225157	96225738	+	0	NA	intron (N	intron (N	-30051	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr1-1103	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	8071	NM_022768	64783	Hs.435947	NM_022768	ENSG00000	RBM15	OTT|OTT1|	RNA bindi	protein-coding
chr10-864	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr10	86444982	86446358	+	0	NA	intron (N	AluJr4|SI	76114	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr10-919	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr10	91951701	91952920	+	0	NA	intron (N	intron (N	28540	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-748	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr11	74870418	74873471	+	0	NA	intron (N	HUERS-P3-	77147	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr12-770	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr12	77048381	77048970	+	0	NA	intron (N	intron (N	16894	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr2-2335	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr2	2.34E+08	2.34E+08	+	0	NA	intron (N	intron (N	11936	NM_018218	55230	Hs.96513	NM_018218	ENSG00000	USP40	-	ubiquitin	protein-coding
chr22-176	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr22	17606846	17608033	+	0	NA	intron (N	L2|LINE|L	-18247	NM_001288	1.02E+08	Hs.629929	NM_001288707		LOC101929	-	uncharact	protein-coding
chr22-178	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr22	17868418	17869640	+	0	NA	intron (N	intron (N	37857	NM_001122	57553	Hs.528024	NM_015241	ENSG00000	MICAL3	MICAL-3	microtubu	protein-coding
chr4-8743	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr4	87438030	87440008	+	0	NA	intron (N	AluSx1|SI	16422	NM_198038	53343	Hs.149500	NM_024047	ENSG00000	NUDT9	NUDT10	nudix hyd	protein-coding
chr6-1113	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSx|SIN	102057	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr9-1015	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	30487	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chrX-4060	5.931872	0.530258	0.947868	0.559422	0.575874	0.981636	chrX	40601207	40601664	+	0	NA	intron (N	intron (N	20465	NM_005765	10159	Hs.495960	NM_005765	ENSG00000	ATP6AP2	APT6M8-9|	ATPase H+	protein-coding
chr1-1179	6.63968	-0.50514	0.902977	-0.55942	0.575878	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	7522	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr11-666	6.63968	-0.50514	0.902977	-0.55942	0.575878	0.981636	chr11	66630992	66631482	+	0	NA	intron (N	AluSq2|SI	-7380	NM_002896	5936	Hs.523822	NM_002896	ENSG00000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr4-7077	5.40986	0.559614	1.000685	0.559231	0.576004	0.981636	chr4	70779798	70780491	+	0	NA	intron (N	intron (N	45734	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SING	RUN and F	protein-coding
chr20-492	14.31534	-0.35216	0.62977	-0.5592	0.576028	0.981636	chr20	49279142	49291215	+	0	NA	intron (N	HERVIP10F	4495	NR_003030	692057		NR_003030	ENSG00000	SNORD12	HBII-99|M	small nuc	snoRNA
chr1-2516	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr1	2516830	2519082	+	0	NA	intron (N	intron (N	8640	NM_018216	55229	Hs.26156	NM_018216	ENSG00000	PANK4	-	pantothen	protein-coding
chr1-1111	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr1	11119289	11121455	+	0	NA	intron (N	AluSz|SIN	20353	NR_135063	1.05E+08	Hs.634965	NR_135061	ENSG00000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-3556	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr1	35565283	35566592	+	0	NA	3’ UTR (N	3’ UTR (N	-7377	NM_178548	339488	Hs.567844	NM_178548	ENSG00000	TFAP2E	AP2E	transcrip	protein-coding
chr1-1863	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	AluY|SINE	-5279	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr11-622	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr11	6221462	6222676	+	0	NA	intron (N	intron (N	12567	NM_032127	84067	Hs.501793	NM_032127	ENSG00000	FAM160A2	C11orf56|	family wi	protein-coding
chr12-118	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSq|SIN	-52237	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr14-716	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr14	71672302	71672728	+	0	NA	exon (NM_	exon (NM_	86217	NM_001284	26037	Hs.654657	NM_015556	ENSG00000	SIPA1L1	E6TP1|SPA	signal in	protein-coding
chr14-745	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr14	74520908	74522256	+	0	NA	intron (N	intron (N	27817	NM_194279	122961	Hs.291079	NM_194279	ENSG00000	ISCA2	HBLD1|ISA	iron-sulf	protein-coding
chr16-311	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr16	3117157	3118236	+	0	NA	intron (N	AluJb|SIN	-2098	NR_024167	81854	Hs.669490	NR_024166		ZNF205-AS	-	ZNF205 ar	ncRNA
chr17-808	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr17	80884813	80886181	+	0	NA	intron (N	intron (N	-79865	NR_110852	1.02E+08	Hs.670692	NR_110852	ENSG00000	LOC101928	-	uncharact	ncRNA
chr19-164	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr19	1645701	1646144	+	0	NA	intron (N	L2b|LINE|	6693	NM_001136	6929	Hs.371282	NM_003200	ENSG00000	TCF3	AGM8|E2A|	transcrip	protein-coding
chr19-198	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr19	19813493	19816197	+	0	NA	intron (N	intron (N	6905	NM_001145	440515	Hs.351906	NM_001099	ENSG00000	ZNF506	-	zinc fing	protein-coding
chr19-370	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr19	37099615	37102460	+	0	NA	TTS (NR_1	TTS (NR_1	22604	NM_001329	147923	Hs.444992	NM_144689	ENSG00000	ZNF420	APAK	zinc fing	protein-coding
chr19-402	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr19	40262551	40264638	+	0	NA	intron (N	intron (N	1757	NM_001330	208	Hs.631535	NM_001626	ENSG00000	AKT2	HIHGHH|PK	AKT serin	protein-coding
chr2-3919	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr2	39196474	39196891	+	0	NA	intron (N	AluSx|SIN	32906	NR_144520	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-7016	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr2	70168437	70169077	+	0	NA	intron (N	AluSx1|SI	21954	NR_145971	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr2-1122	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	Tigger1|D	9061	NM_032494	84524	Hs.418416	NM_032494	ENSG00000	ZC3H8	Fliz1|ZC3	zinc fing	protein-coding
chr2-1315	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx1|SI	13807	NR_026922	150776	Hs.535622	NR_026922	ENSG00000	LOC150776	-	sphingomy	pseudo
chr2-2416	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	23247	NM_178326	23192	Hs.283610	NM_013325	ENSG00000	ATG4B	APG4B|AUT	autophagy	protein-coding
chr21-465	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr21	46542732	46543673	+	0	NA	intron (N	intron (N	61880	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr22-205	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr22	20519076	20520308	+	0	NA	intron (N	AluSx|SIN	11645	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-7339	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr3	73394329	73396867	+	0	NA	intron (N	intron (N	38397	NM_001303	23024	Hs.660347	NM_015009	ENSG00000	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr4-4852	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr4	48521119	48522958	+	0	NA	intron (N	AluJr4|SI	31786	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr4-1194	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	Intergeni	MER11B|LT	-20414	NR_037596	401149	Hs.448518	NR_037596		LINC01061	-	long inte	ncRNA
chr5-1043	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr5	10432599	10433296	+	0	NA	intron (N	AluSx|SIN	8904	NR_102746	1.01E+08	Hs.599395	NR_102746		ROPN1L-AS	-	ROPN1L ar	ncRNA
chr5-1492	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-29744	NM_001323	134265	Hs.62930	NM_152406	ENSG00000	AFAP1L1	-	actin fil	protein-coding
chr6-2894	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr6	2894559	2896047	+	0	NA	intron (N	intron (N	8006	NM_004155	5272	Hs.104879	NM_004155	ENSG00000	SERPINB9	CAP-3|CAP	serpin fa	protein-coding
chr7-1495	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-59621	NM_152557	155061	Hs.24643	NM_152557	ENSG00000	ZNF746	PARIS	zinc fing	protein-coding
chr7-1511	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	17446	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr8-2912	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr8	29121066	29122575	+	0	NA	intron (N	intron (N	141250	NM_015254	23303	Hs.444767	NM_015254	ENSG00000	KIF13B	GAKIN	kinesin f	protein-coding
chr9-5085	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr9	5085352	5087021	+	0	NA	intron (N	intron (N	44493	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THO	Janus kin	protein-coding
chr9-1250	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	THE1B-int	61055	NM_173690	286205	Hs.59504	NM_173690	ENSG00000	SCAI	C9orf126|	suppresso	protein-coding
chrX-1295	5.93973	0.527647	0.944256	0.558797	0.5763	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	9055	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr21-260	8.599684	0.45409	0.812637	0.558786	0.576308	0.981636	chr21	26050910	26051130	+	0	NA	exon (NM_	exon (NM_	89370	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr4-5703	8.451327	-0.4539	0.812481	-0.55866	0.576394	0.981636	chr4	57036486	57037381	+	0	NA	intron (N	intron (N	58037	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr1-2753	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr1	27533737	27534926	+	0	NA	TTS (NM_0	TTS (NM_0	-44164	NM_001201	10163	Hs.469244	NM_006990	ENSG00000	WASF2	IMD2|SCAR	WASP fami	protein-coding
chr1-6704	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr1	67043598	67044136	+	0	NA	intron (N	intron (N	10281	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr11-125	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	exon (NM_	exon (NM_	7506	NM_031307	83480	Hs.660922	NM_031307	ENSG00000	PUS3	2610020J0	pseudouri	protein-coding
chr12-423	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr12	42337744	42338024	+	0	NA	intron (N	AluSz|SIN	6086	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr13-521	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr13	52170101	52170509	+	0	NA	intron (N	intron (N	-10444	NM_001146	4752	Hs.409989	NM_002498	ENSG00000	NEK3	HSPK36	NIMA rela	protein-coding
chr3-3306	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr3	33065159	33065743	+	0	NA	intron (N	intron (N	31381	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr3-1338	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	L1MEd|LIN	7761	NR_163491	58477	Hs.12152	NM_021203	ENSG00000	SRPRB	APMCF1|SR	SRP recep	protein-coding
chr5-3361	6.631822	-0.5032	0.900918	-0.55854	0.576474	0.981636	chr5	33613419	33614396	+	0	NA	intron (N	MIR3|SINE	173131	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr1-9319	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr1	93198079	93199485	+	0	NA	intron (N	AluJr4|SI	18066	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-co	protein-coding
chr16-693	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr16	69328242	69328804	+	0	NA	TTS (NM_0	TTS (NM_0	2065	NM_022341	64146	Hs.130849	NM_022341	ENSG00000	PDF	-	peptide d	protein-coding
chr16-881	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr16	88178311	88179781	+	0	NA	Intergeni	Intergeni	-15235	NR_110944	1.02E+08	Hs.634835	NR_110944	ENSG00000	LINC02182	LA16c-444	long inte	ncRNA
chr18-701	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr18	70160462	70161305	+	0	NA	intron (N	L1PA16|LI	44804	NM_001318	25914	Hs.654809	NM_173630	ENSG00000	RTTN	MSSP	rotatin	protein-coding
chr2-1063	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr2	10637007	10637578	+	0	NA	intron (N	intron (N	52683	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-1356	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	MER46C|DN	-20204	NR_029672	406915		NR_029672	ENSG00000	MIR128-1	MIR128A|M	microRNA	ncRNA
chr20-588	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr20	58897300	58899218	+	0	NA	intron (N	(T)n|Simp	6096	NR_132272	2778	Hs.125898	NM_000516	ENSG00000	GNAS	AHO|C20or	GNAS comp	protein-coding
chr22-176	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr22	17686198	17686520	+	0	NA	intron (N	AluSz|SIN	-20299	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-3702	4.427132	-0.60782	1.089185	-0.55805	0.576808	0.981636	chr3	37029820	37031418	+	0	NA	intron (N	intron (N	37269	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr1-6263	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr1	62632739	62636308	+	0	NA	intron (N	L1M3|LINE	37003	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr11-666	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr11	66668361	66668916	+	0	NA	TTS (NM_0	TTS (NM_0	9249	NM_031492	83759	Hs.618713	NM_031492	ENSG00000	RBM4B	RBM30|RBM	RNA bindi	protein-coding
chr14-673	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr14	67380542	67384673	+	0	NA	intron (N	intron (N	22279	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr3-7098	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr3	70986308	70987976	+	0	NA	intron (N	intron (N	77782	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1380	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	L1PA3|LIN	28562	NM_001170	199221	Hs.351403	NM_173543	ENSG00000	DZIP1L	DZIP2|PKD	DAZ inter	protein-coding
chr4-5702	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr4	57024084	57027109	+	0	NA	intron (N	L1MC5|LIN	46700	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr4-1188	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	12305	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr6-8561	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr6	85611186	85615656	+	0	NA	TTS (NM_0	TTS (NM_0	-19265	NM_001350	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr7-4359	8.871644	-0.43741	0.784062	-0.55788	0.576924	0.981636	chr7	43596298	43602105	+	0	NA	intron (N	Ricksha_c	16093	NM_004760	9263	Hs.709489	NM_004760	ENSG00000	STK17A	DRAK1	serine/th	protein-coding
chr11-352	11.11147	-0.39797	0.713553	-0.55773	0.577029	0.981636	chr11	35229014	35230597	+	0	NA	3’ UTR (N	3’ UTR (N	66855	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr14-498	11.11147	-0.39797	0.713553	-0.55773	0.577029	0.981636	chr14	49893687	49896200	+	0	NA	3’ UTR (N	3’ UTR (N	1861	NM_001663	382	Hs.525330	NM_001663	ENSG00000	ARF6	-	ADP ribos	protein-coding
chr17-274	4.913272	0.60241	1.08068	0.557436	0.577229	0.981636	chr17	27487420	27487806	+	0	NA	intron (N	MSTB|LTR|	15649	NM_014238	8844	Hs.133534	NM_014238	ENSG00000	KSR1	KSR|RSU2	kinase su	protein-coding
chr1-3615	8.664397	0.449735	0.806844	0.557401	0.577254	0.981636	chr1	36159674	36159894	+	0	NA	intron (N	L2b|LINE|	3624	NM_001286	55700	Hs.356096	NM_018067	ENSG00000	MAP7D1	PARCC1|RF	MAP7 doma	protein-coding
chr16-146	8.664397	0.449735	0.806844	0.557401	0.577254	0.981636	chr16	14659023	14659521	+	0	NA	intron (N	AluSx1|SI	26321	NM_016561	51283	Hs.435556	NM_016561	ENSG00000	BFAR	BAR|RNF47	bifunctio	protein-coding
chr3-1978	8.838362	-0.4416	0.792561	-0.55719	0.5774	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	TTS (NM_0	TTS (NM_0	65381	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr6-4335	8.838362	-0.4416	0.792561	-0.55719	0.5774	0.981636	chr6	43356601	43357356	+	0	NA	intron (N	intron (N	12669	NM_014345	24149	Hs.509718	NM_014345	ENSG00000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr3-1335	8.369048	-0.45963	0.824951	-0.55716	0.577415	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSq4|SI	2498	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr4-7705	8.369048	-0.45963	0.824951	-0.55716	0.577415	0.981636	chr4	77057001	77058327	+	0	NA	intron (N	intron (N	17246	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr7-3965	8.369048	-0.45963	0.824951	-0.55716	0.577415	0.981636	chr7	39654785	39654984	+	0	NA	intron (N	AluJo|SIN	31312	NM_005402	5898	Hs.6906	NM_005402	ENSG00000	RALA	RAL	RAS like	protein-coding
chr12-104	10.69901	-0.4101	0.736056	-0.55716	0.577421	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	4096	NM_013320	29915	Hs.506558	NM_013320	ENSG00000	HCFC2	HCF-2|HCF	host cell	protein-coding
chr1-1544	9.227548	0.43835	0.786924	0.557042	0.577498	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-37205	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr19-271	13.90344	0.356044	0.639338	0.556895	0.577599	0.981636	chr19	27172184	27174440	+	0	NA	Intergeni	ALR/Alpha	-620119	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-2304	8.402329	-0.4552	0.817509	-0.55681	0.577654	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	82261	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr1-2241	10.21287	0.410291	0.737989	0.555959	0.578239	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MC4|LIN	25326	NM_015176	23219	Hs.64691	NM_015176	ENSG00000	FBXO28	CENP-30|F	F-box pro	protein-coding
chr1-2201	8.443469	-0.45233	0.813701	-0.55589	0.578286	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz|SIN	-17334	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr6-1763	6.59854	-0.50913	0.915912	-0.55587	0.578297	0.981636	chr6	17639538	17639877	+	0	NA	intron (N	intron (N	39405	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr9-1346	6.59854	-0.50913	0.915912	-0.55587	0.578297	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	L1PA7|LIN	2703	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 ar	ncRNA
chr11-742	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr11	74222436	74223090	+	0	NA	intron (N	AluSz|SIN	51474	NM_001271	51400	Hs.503251	NM_016147	ENSG00000	PPME1	ABDH19|PM	protein p	protein-coding
chr12-102	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx|SIN	13697	NM_016053	51019	Hs.405692	NM_016053	ENSG00000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr14-526	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr14	52640391	52640590	+	0	NA	3’ UTR (N	3’ UTR (N	55068	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|EF	endoplasm	protein-coding
chr15-505	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr15	50568878	50570490	+	0	NA	intron (N	L2c|LINE|	-23018	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr17-488	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr17	48843595	48845066	+	0	NA	intron (N	intron (N	13295	NM_001261	10241	Hs.514920	NM_005831	ENSG00000	CALCOCO2	NDP52	calcium b	protein-coding
chr19-395	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr19	3957862	3958387	+	0	NA	TTS (NM_0	TTS (NM_0	3388	NR_030367	693222		NR_030367	ENSG00000	MIR637	MIRN637|h	microRNA	ncRNA

chr3-1369	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	-11905	NM_144717	53833	Hs.61232	NM_144717	ENSG0000C	IL20RB	DIRS1|FNI	interleuk	protein-coding
chr5-1282	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	189250	NM_001046	6558	Hs.162585	NM_001046	ENSG0000C	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr7-3291	8.912784	-0.43474	0.782378	-0.55566	0.578441	0.981636	chr7	32916306	32917643	+	0	NA	non-codir	non-codir	-25214	NM_015483	25948	Hs.372541	NM_015483	ENSG0000C	KBTBD2	BKLHD1	kelch rep	protein-coding
chr7-9239	9.657573	0.417402	0.751291	0.555579	0.578498	0.981636	chr7	92397833	92399234	+	0	NA	exon (NM_	exon (NM_	38781	NR_145992	1.05E+08		NM_001317	ENSG0000C	TMBIM7P	-	transmemb	pseudo
chr3-5261	6.495023	0.506979	0.912565	0.555554	0.578516	0.981636	chr3	52618120	52618840	+	0	NA	intron (N	intron (N	67119	NM_001350	55193	Hs.189920	NM_018165	ENSG0000C	PBRM1	BAF180|PE	polybromo	protein-coding
chr13-955	8.920641	-0.43617	0.785126	-0.55555	0.578521	0.981636	chr13	95578705	95579709	+	0	NA	3’ UTR (N	3’ UTR (N	26487	NM_006984	9071	Hs.534377	NM_006984	ENSG0000C	CLDN10	CPETRL3|F	claudin 1	protein-coding
chr7-7436	5.924014	0.532915	0.959383	0.555477	0.578568	0.981636	chr7	74366917	74367309	+	0	NA	intron (N	MLT1C|LTR	77638	NM_003388	7461	Hs.647018	NM_003388	ENSG0000C	CLIP2	CLIP|CLIF	CAP-Gly c	protein-coding
chr13-494	4.39385	-0.61665	1.110148	-0.55547	0.578573	0.981636	chr13	49473355	49474120	+	0	NA	intron (N	intron (N	-22216	NM_001040	51131	Hs.369039	NM_001040	ENSG0000C	PHF11	APY|BCAP|	PHD finge	protein-coding
chr1-1929	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr1	19293987	19294246	+	0	NA	non-codir	non-codir	1620	NR_037847	1.01E+08		NR_037847		LOC100506	-	uncharact	ncRNA
chr12-768	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr12	76809816	76810421	+	0	NA	intron (N	intron (N	45860	NM_001359	23390	Hs.4014	NM_015336	ENSG0000C	ZDHHC17	DHHC-17|F	zinc fing	protein-coding
chr15-655	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr15	65509823	65510866	+	0	NA	intron (N	intron (N	6930	NM_197960	54878	Hs.458609	NM_017743	ENSG0000C	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr2-5568	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr2	55683169	55683902	+	0	NA	intron (N	AluSg|SIN	10309	NM_033109	87178	Hs.388733	NM_033109	ENSG0000C	PNPT1	COXPD13|D	polyribor	protein-coding
chr3-1559	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	35943	NM_003875	8833	Hs.591314	NM_003875	ENSG0000C	GMPS	GATD7	guanine m	protein-coding
chr4-5188	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr4	51880896	51881473	+	0	NA	intron (N	Tigger15a	37605	NM_001287	23142	Hs.605388	NM_015115	ENSG0000C	DCUN1D4	-	defective	protein-coding
chr4-5262	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr4	52628066	52628551	+	0	NA	intron (N	intron (N	28231	NM_001134	64854	Hs.7966	NM_022832	ENSG0000C	USP46	-	ubiquitir	protein-coding
chr5-1342	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSc8|SI	4328	NR_149151	5515	Hs.105818	NM_002715	ENSG0000C	PPP2CA	NEDLBA|PF	protein p	protein-coding
chr6-8721	6.623964	-0.50132	0.902756	-0.55532	0.578674	0.981636	chr6	87218904	87219315	+	0	NA	intron (N	intron (N	63544	NM_015021	23036	Hs.444800	NM_015021	ENSG0000C	ZNF292	Nbla00365	zinc fing	protein-coding
chr11-658	11.61406	-0.38372	0.691143	-0.5552	0.578759	0.981636	chr11	65851391	65856857	+	0	NA	TTS (NM_1	TTS (NM_1	4056	NM_005507	1072	Hs.170622	NM_005507	ENSG0000C	CFL1	CFL|HEL-S	cofilin 1	protein-coding
chr9-1937	11.61406	-0.38372	0.691143	-0.5552	0.578759	0.981636	chr9	19374474	19379719	+	0	NA	intron (N	intron (N	3140	NM_001010	6194	Hs.408073	NM_001010	ENSG0000C	RPS6	S6	ribosomal	protein-coding
chr11-915	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr11	9152061	9152681	+	0	NA	exon (NM_	exon (NM_	58008	NR_027713	283102	Hs.689472	NR_027713	ENSG0000C	KRT8P41	-	keratin 8	pseudo
chr12-109	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSx|SIN	30784	NR_133898	83892	Hs.524731	NM_031954	ENSG0000C	KCTD10	BTBD28|MS	potassium	protein-coding
chr15-558	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr15	55854907	55856606	+	0	NA	intron (N	intron (N	61375	NM_001284	4734	Hs.1565	NM_006154	ENSG0000C	NEDD4	NEDD4-1|F	NEDD4 E3	protein-coding
chr16-234	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr16	23411873	23412550	+	0	NA	intron (N	intron (N	40978	NM_153603	91949	Hs.185807	NM_153603	ENSG0000C	COG7	CDG2E	component	protein-coding
chr18-460	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr18	46095621	46096571	+	0	NA	intron (N	AluSx1|SI	2200	NM_001001	498	Hs.298280	NM_004046	ENSG0000C	ATP5F1A	ATP5A|ATF	ATP synth	protein-coding
chr2-2387	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr2	23872478	23873597	+	0	NA	intron (N	intron (N	54086	NM_017552	54454	Hs.467862	NM_017552	ENSG0000C	ATAD2B	-	ATPase fa	protein-coding
chr2-2312	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L1PA16|LI	47940	NM_001352	80210	Hs.162411	NM_025139	ENSG0000C	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr3-1184	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr3	11840230	11842155	+	0	NA	intron (N	AluJb|SIN	5693	NM_001321	132001	Hs.475472	NM_138807	ENSG0000C	TAMM41	C3orf31|F	TAM41 mit	protein-coding
chr5-1423	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MEd|LIN	13858	NR_120664	1.02E+08	Hs.658945	NR_120664	ENSG0000C	SPRY4-AS1	THCAT68	SPRY4 ant	ncRNA
chr5-1722	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	37570	NM_001171	285588	Hs.716824	NM_001171	ENSG0000C	EFCAB9	-	EF-hand c	protein-coding
chr7-1510	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	3548	NM_001199	6522	Hs.647069	NM_003040	ENSG0000C	SLC4A2	AE2|BND3L	solute ca	protein-coding
chr8-1435	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	8707	NM_001130	1936	Hs.333388	NM_001960	ENSG0000C	EEF1D	EF-1D|EF1	eukaryoti	protein-coding
chr9-1347	6.665104	-0.4976	0.896727	-0.55491	0.578958	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	69608	NR_039691	1.01E+08		NR_039691	ENSG0000C	MIR3689C	-	microRNA	ncRNA
chr10-820	10.22072	0.408738	0.736668	0.554847	0.578999	0.981636	chr10	820279	820622	+	0	NA	intron (N	intron (N	111255	NM_001351	23185	Hs.159069	NM_015155	ENSG0000C	LARP4B	KIAA0217|	La ribonu	protein-coding
chr1-1562	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	9617	NM_015327	23381	Hs.516837	NM_015327	ENSG0000C	SMG5	EST1B|LPT	SMG5 nons	protein-coding
chr1-1567	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	23623	NM_005973	5546	Hs.516948	NM_005973	ENSG0000C	PRCC	RCCP1|TPF	proline r	protein-coding
chr1-2308	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	L1MB3|LIN	14544	NM_001136	84886	Hs.520494	NM_032800	ENSG0000C	C1orf198	-	chromosom	protein-coding
chr12-277	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr12	27755801	27756229	+	0	NA	3’ UTR (N	3’ UTR (N	15567	NM_001146	1E+08		NM_001146	ENSG0000C	MANSC4	-	MANSC dom	protein-coding
chr3-7338	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr3	73383863	73385031	+	0	NA	exon (NM_	exon (NM_	49548	NM_001303	23024	Hs.660347	NM_015009	ENSG0000C	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr6-1350	9.698713	0.418473	0.754399	0.554711	0.579092	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	4911	NM_001145	10767	Hs.378532	NM_006620	ENSG0000C	HBS1L	EF-1a|ERF	HBS1 like	protein-coding
chr6-1438	8.697679	0.452585	0.816349	0.554401	0.579304	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	AluSz6|SI	-29108	NM_001329	84946	Hs.185675	NM_032860	ENSG0000C	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr18-763	9.127703	0.429931	0.775615	0.554309	0.579367	0.981636	chr18	76361337	76362487	+	0	NA	3’ UTR (N	3’ UTR (N	-129740	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG0000C	LOC101927	-	uncharact	ncRNA
chr1-2036	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-40600	NR_003019	677843	Hs.676135	NR_003019	ENSG0000C	SNORA77	ACA63|SNC	small nuc	snoRNA
chr1-2270	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	78269	NM_020247	56997	Hs.118241	NM_020247	ENSG0000C	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr1-2416	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3728	NM_001821	1122	Hs.654545	NM_001821	ENSG0000C	CHML	REP2	CHM like	protein-coding
chr13-772	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr13	77241373	77243102	+	0	NA	intron (N	AluSc|SIN	84857	NM_015057	23077	Hs.591221	NM_015057	ENSG0000C	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr13-102	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	48148	NM_003291	7174	Hs.432424	NM_003291	ENSG0000C	TPP2	TPP-2|TPF	tripeptic	protein-coding
chr14-101	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-288	NR_029872	494329		NR_029872	ENSG0000C	MIR380	MIR380-3p	microRNA	ncRNA
chr14-103	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	8385	NM_001130	3831	Hs.20107	NM_005552	ENSG0000C	KLC1	KLC|KNS2|	kinesin l	protein-coding
chr15-282	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr15	28243808	28245148	+	0	NA	intron (N	intron (N	77674	NM_004667	8924	Hs.434890	NM_004667	ENSG0000C	HERC2	D15F37S1|	HECT and	protein-coding
chr16-717	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr16	71784462	71785452	+	0	NA	intron (N	intron (N	23877	NM_001030	164	Hs.461253	NM_001128	ENSG0000C	AP1G1	ADTG|CLAF	adaptor r	protein-coding
chr17-106	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr17	10692952	10695503	+	0	NA	intron (N	L1MC4|LIN	3306	NM_004589	6341	Hs.14511	NM_004589	ENSG0000C	SCO1	SCOD1	SCO cytoc	protein-coding
chr17-329	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr17	32931326	32932302	+	0	NA	intron (N	intron (N	3661	NM_015544	26022	Hs.3447	NM_015544	ENSG0000C	TMEM98	TADA1	transmemb	protein-coding
chr19-101	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr19	10165460	10166987	+	0	NA	intron (N	intron (N	28730	NM_001318	1786	Hs.202672	NM_001379	ENSG0000C	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr19-101	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr19	10177504	10182028	+	0	NA	intron (N	AluSz|SIN	15187	NM_001318	1786	Hs.202672	NM_001379	ENSG0000C	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr19-116	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr19	11650470	11653303	+	0	NA	Intergeni	Intergeni	15203	NR_002944	664709	Hs.534822	NR_002944		HNRNPA1P1	HNRPA1L-2	heteroger	pseudo
chr19-237	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr19	23746215	23747061	+	0	NA	intron (N	MSTB|LTR|	12253	NM_138286	148213	Hs.399952	NM_138286	ENSG0000C	ZNF681	-	zinc fing	protein-coding
chr19-240	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr19	24060756	24061906	+	0	NA	intron (N	BSR/Beta|	-25829	NM_001278	9534	Hs.434406	NM_004876	ENSG0000C	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr2-3711	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr2	37115579	37116206	+	0	NA	intron (N	intron (N	31441	NM_001278	253635	Hs.595250	NM_174931	ENSG0000C	GPATCH11	CCDC75|CE	G-patch c	protein-coding
chr2-8616	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr2	86167355	86168571	+	0	NA	intron (N	intron (N	25145	NR_039939	1.01E+08		NR_039939	ENSG0000C	MIR4779	-	microRNA	ncRNA
chr2-1327	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	X7A_LINE|	-104221	NM_001077	116372	Hs.432395	NM_144586	ENSG0000C	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr3-4936	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr3	49369609	49371439	+	0	NA	intron (N	intron (N	-11924	NM_001329	2876	Hs.76686	NM_000581	ENSG0000C	GPX1	GPXD|GSHF	glutathio	protein-coding
chr5-3478	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr5	34781815	34783895	+	0	NA	intron (N	HERVK9-ir	-56309	NM_144725	153657	Hs.435742	NM_144725	ENSG0000C	TTC23L	MC25-1	tetratric	protein-coding
chr5-1031	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (N	HSMAR2|DN	45226	NM_001345	23262	Hs.212046	NM_015216	ENSG0000C	PPIP5K2	CFAP160|D	diphospho	protein-coding
chr5-1414	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	465	NM_003735	26025	Hs.368160	NM_003735	ENSG0000C	PCDHGA12	CDH21|FIE	protocadh	protein-coding
chr5-1415	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	18085	NR_038333	1.01E+08	Hs.655458	NR_038333	ENSG0000C	LOC100505	-	uncharact	ncRNA
chr5-1465	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr5	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	6797	NM_194251	134391	Hs.483732	NM_194251	ENSG0000C	GPR151	GALR4|GAL	G protein	protein-coding
chr6-5705	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr6	57059332	57062670	+	0	NA	Intergeni	AluSc5|SI	14254	NM_001286	57691	Hs.709521	NM_020931	ENSG0000C	KIAA1586	-	KIAA1586	protein-coding
chr7-2779	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr7	27794323	27795418	+	0	NA	intron (N	(TATT)n|S	54775	NM_001079	8887	Hs.34576	NM_006024	ENSG0000C	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr7-9889	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr7	98890063	98890588	+	0	NA	intron (N	intron (N	8628	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1556	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	TTS (NR_1	TTS (NR_1	2617	NR_126344	1.01E+08	Hs.87856	NR_126344	ENSG0000C	LOC100506	-	uncharact	ncRNA
chr8-2662	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr8	26623707	26624462	+	0	NA	intron (N	intron (N	45679	NM_001244	1808	Hs.593187	NM_001386	ENSG0000C	DPYSL2	CRMP-2|CF	dihydropy	protein-coding
chr9-1274	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	45370	NM_001005	90678	Hs.495188	NM_138361	ENSG0000C	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr9-1311	6.657246	-0.4957	0.894825	-0.55397	0.579602	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSx1|SI	-2468	NM_001318	8021	Hs.654530	NM_005085	ENSG0000C	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-2481	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr1	24818361	24818560	+	0	NA	intron (N	AluSx1|SI	73013	NM_013943	25932	Hs.440544	NM_013943	ENSG0000C	CLIC4	CLIC4L|H1	chloride	protein-coding
chr1-5652	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr1	56529655	56538058	+	0	NA	intron (N	intron (N	45707	NM_003713	8613	Hs.405156	NM_003713	ENSG0000C	PLPP3	Dri42|LPF	phospholi	protein-coding
chr1-1793	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-17252	NM_144696	126859	Hs.658505	NM_144696	ENSG0000C	AXDND1	C1orf125	axonemal	protein-coding
chr19-488	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr19	48833336	48833771	+	0	NA	intron (N	AluSp|SIN	2938	NM_016246	51171	Hs.18788	NM_016246	ENSG0000C	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chr21-335	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr21	33566703	33570386	+	0	NA	intron (N	intron (N	17882	NR_106756	1.02E+08		NR_106756	ENSG0000C	MIR6501	hsa-mir-6	microRNA	ncRNA
chr4-5701	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr4	57014426	57018810	+	0	NA	intron (N	(ATA)n|Si	37722	NM_000938	5431	Hs.602757	NM_000938	ENSG0000C	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr5-4354	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr5	43542121	43543775	+	0	NA	intron (N	intron (N	14129	NM_006451	10605	Hs.482038	NM_006451	ENSG0000C	PAIP1	-	poly(A) b	protein-coding
chr6-1822	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr6	18228773	18236978	+	0	NA	intron (N	L1PA5|LIN	31655	NM_001134	7913	Hs.484813	NM_003472	ENSG0000C	DEK	D6S231E	DEK proto	protein-coding
chr7-7438	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr7	74383396	74384441	+	0	NA	intron (N	L1MB5|LIN	-69988	NM_005685	9569	Hs.647056	NM_005685	ENSG0000C	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr8-6717	8.904926	-0.43329	0.782197	-0.55394	0.579619	0.981636	chr8	67175461	67176260	+	0	NA	intron (N	intron (N	92012	NM_001291	79848	Hs.370147	NM_024790	ENSG0000C	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr1-5473	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr1	54734144	54735261	+	0	NA	intron (N	L1MB3|LIN	18841	NM_004623	7268	Hs.412482	NM_004623	ENSG0000C	TTC4	CNS1	tetratric	protein-coding
chr10-973	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr10	97388215	97392657	+	0	NA	exon (NM_	exon (NM_	10904	NM_015179	23223	Hs.434251	NM_015179	ENSG0000C	RRP12	KIAA0690	ribosomal	protein-coding
chr11-466	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr11	46690944	46693024	+	0	NA	intron (N	intron (N	8635	NM_004308	392	Hs.138860	NM_004308	ENSG0000C	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr12-118	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	MER3|DNA|	9033	NM_022491	64426	Hs.416630	NM_022491	ENSG0000C	SUDS3	SAP45|SDS	SDS3 homo	protein-coding
chr14-105	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	CpG	-6320	NR_073082	1397	Hs.534309	NM_001312	ENSG0000C	CRIP2	CRIP|CRP2	cysteine	protein-coding
chr16-162	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr16	16211669	16212635	+	0	NA	intron (N	intron (N	11319	NM_001079	368	Hs.442182	NM_001171	ENSG0000C	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr16-574	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr16	57456722	57457632	+	0	NA	intron (N	intron (N	-5502	NM_032940	5432	Hs.79402	NM_002694	ENSG0000C	POLR2C	RPB3|RPB3	RNA polym	protein-coding
chr19-232	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr19	2325625	2326931	+	0	NA	intron (N	MLT1E1|LT	2308	NM_016199	51690	Hs.512610	NM_016199	ENSG0000C	LSM7	YNL147W	LSM7 homo	protein-coding
chr2-8605	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr2	86051758	86053063	+	0	NA	intron (N	intron (N	53476	NM_015425	25885	Hs.531818	NM_015425	ENSG0000C	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-2416	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	18883	NM_178326	23192	Hs.283610	NM_013325	ENSG0000C	ATG4B	APG4B|AUT	autophagy	protein-coding
chr20-136	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr20	1360220	1361610	+	0	NA	intron (N	intron (N	-31776	NM_080489	27111	Hs.657015	NM_015685	ENSG0000C	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr20-396	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr20	3966783	3968391	+	0	NA	intron (N	intron (N	47971	NM_001134	11237	Hs.547576	NM_007219	ENSG0000C	RNF24	G1L	ring fing	protein-coding
chr20-321	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr20	32164314	32164792	+	0	NA	intron (N	LTR89|LTF	25807	NR_002781	128854	Hs.647447	NR_002781	ENSG0000C	TSPY26P	TSPYL3|bA	testis sp	pseudo
chr20-336	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr20	33627798	33628825	+	0	NA	intron (N	intron (N	-34016	NM_080825	128864	Hs.324104	NM_080825	ENSG0000C	C20orf144	dJ63M2.6	chromosom	protein-coding
chr22-317	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr22	31768587	31771697	+	0	NA	intron (N	AluJb|SIN	16119	NM_001369	9681	Hs.435022	NM_014662	ENSG0000C	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr7-2199	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr7	2199837	2200658	+	0	NA	intron (N	intron (N	32698	NM_001304	8379	Hs.654838	NM_003550	ENSG0000C	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr7-6624	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr7	66248642	66250506	+	0	NA	intron (N	MER5A|DNA	44240	NM_003596	8460	Hs.421194	NM_003596	ENSG0000C	TPST1	TANGO13A	tyrosylpr	protein-coding
chr8-1438	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	GA-rich|L	-5756	NM_182706	23513	Hs.436329	NM_015356	ENSG0000C	SCRIB	CRIB1|SCF	scribble	protein-coding
chr9-3752	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr9	37521554	37523250	+	0	NA	intron (N	MIR1_Amn|	36454	NM_022490	64425	Hs.591087	NM_022490	ENSG0000C	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr9-1217	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	39955	NM_138709	153090	Hs.522378	NM_032552	ENSG0000C	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr9-1287	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSz|SIN	7363	NM_018201	54662	Hs.3376	NM_018201	ENSG0000C	TBC1D13	-	TBC1 doma	protein-coding
chrX-2905	5.947588	0.524992	0.948081	0.553741	0.579756	0.981636	chrX	290525	291072	+	0	NA	intron (N	CpG	7320	NM_001370	55344	Hs.522568	NM_018390	ENSG0000C	PLCXD1	LLOXNC01-	phosphati	protein-coding
chr3-1237	11.57292	-0.38573	0.696662	-0.55369	0.579794	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	93539	NM_053026	4638	Hs.477375	NM_005965	ENSG0000C	MYLK	AAT7|KRP|	myosin li	protein-coding
chr15-588	6.146792	-0.52904	0.955609	-0.55362	0.579839	0.981636	chr15	58823524	58824127	+	0	NA	intron (N	intron (N	52523	NM_001040	54629	Hs.591122	NM_019092	ENSG0000C	MINDY2	FAM63B	MINDY lys	protein-coding
chr2-1799	6.146792	-0.52904	0.955609	-0.55362	0.579839	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	L2a|LINE|	49290	NM_020943	57703	Hs.311363	NM_020943	ENSG0000C	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr1-1679	9.168843	0.430997	0.778672	0.553502	0.57992	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx1|SI	-18774	NR_031702	1E+08		NR_031702	ENSG0000C	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2199	9.168843	0.430997	0.778672	0.553502	0.57992	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-54876	NR_046437	55532	Hs.284450	NM_018713	ENSG0000C	SLC30A10	HMDPC|HMN	solute ca	protein-coding
chr17-451	9.168843	0.430997	0.778672	0.553502	0.57992	0.981636	chr17	45102678	45106034	+	0	NA	intron (N	intron (N	10077	NR_106842	1.02E+08		NR_106842	ENSG0000C	MIR6784	hsa-mir-6	microRNA	ncRNA
chr3-4593	9.168843	0.430997	0.778672	0.553502	0.57992	0.981636	chr3	45936231	45936978	+	0	NA	intron (N	intron (N	-6860	NM_006564	10663	Hs.34526	NM_006564	ENSG0000C	CXCR6	BONZO|CD1	C-X-C mot	protein-coding
chr6-2814	9.168843	0.430997	0.778672	0.553502	0.57992	0.981636	chr6	28145616	28145990	+	0	NA	intron (N	MLT1C|LTF	3592	NM_001278	7745	Hs.57679	NM_006298	ENSG0000C	ZKSCAN8	LD5-1|ZNF	zinc fing	protein-coding
chr1-1041	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr1	10415288	10421575	+	0	NA	intron (N	intron (N	-12002	NM_198544	1.01E+08	Hs.412311	NM_198544	ENSG0000C	CENPS-COR	APITD1|AF	CENPS-COR	protein-coding
chr1-1234	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr1	12348812	12351710	+	0	NA	intron (N	L1ME2|LIN	120231	NM_015378	55187	Hs.439381	NM_015378	ENSG0000C	VPS13D	SCAR4	vacuolar	protein-coding
chr1-4368	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr1	43689254	43702866	+	0	NA	intron (N	intron (N	11281	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr1-2029	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	3129	NM_001303	59349	Hs.706793	NM_021633	ENSG0000C	KLHL12	C3IP1|DKI	kelch lik	protein-coding
chr12-950	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr12	95051348	95051606	+	0	NA	intron (N	Tigger4|D	22141	NM_003297	7181	Hs.108301	NM_003297	ENSG0000C	NR2C1	TR2	nuclear r	protein-coding
chr17-508	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr17	50862829	50864643	+	0	NA	exon (NM_	exon (NM_	2618	NM_001243	10140	Hs.703321	NM_005749	ENSG0000C	TOB1	APRO5|APF	transduce	protein-coding
chr2-3766	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr2	37667884	37670469	+	0	NA	intron (N	intron (N	3023	NM_001270	10602	Hs.369574	NM_006449	ENSG0000C	CDC42EP3	BORG2|CEF	CDC42 eff	protein-coding
chr20-366	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr20	36608167	36613280	+	0	NA	intron (N	L1MB7|LIN	4944	NM_001199	55969	Hs.584985	NM_018840	ENSG0000C	RAB5IF	C20orf24|	RAB5 inte	protein-coding
chr7-1056	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	L1MB3|LIN	-44880	NM_001355	1E+08	Hs.719432	NM_001355	ENSG0000C	EFCAB10	-	EF-hand c	protein-coding
chr9-6973	9.665431	0.415795	0.751483	0.553299	0.580059	0.981636	chr9	69730155	69734173	+	0	NA	exon (NM_	exon (NM_	27847	NR_159516	375743	Hs.744192	NM_001099	ENSG0000C	PTAR1	-	protein p	protein-coding

chr10-100	6.672962	-0.49954	0.902876	-0.55328	0.580073	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-5624	NR_002954	677800	Hs.66216	NR_002954	ENSG0000	SNORA12	U108	small nuc	snoRNA
chr12-122	6.672962	-0.49954	0.902876	-0.55328	0.580073	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-10306	NM_001351	65082	Hs.48788	NM_02291	ENSG0000	VPS33A	MPSPS	VPS33A cc	protein-coding
chr12-798	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr12	79815419	79815738	+	0	NA	intron (N	intron (N	98333	NM_00114	4659	Hs.49582	NM_00248	ENSG0000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr13-327	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr13	32759919	32760118	+	0	NA	intron (N	AluY|SINE	151634	NR_04702	1.01E+08	Hs.40629	NR_047020		LINC0042	-	long inte	ncRNA
chr17-349	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr17	34992115	34992543	+	0	NA	intron (N	intron (N	11817	NM_01397	3980	Hs.10029	NM_002311	ENSG0000	LIG3	LIG2|LIG	DNA ligas	protein-coding
chr2-4836	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr2	48368007	48368423	+	0	NA	intron (N	intron (N	53533	NM_00215	3344	Hs.46847	NM_00215	ENSG0000	FOXN2	HTLF	forkhead	protein-coding
chr2-1495	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-3572	NR_11024	1.02E+08	Hs.5324	NR_11024	ENSG0000	LOC10192	-	uncharact	ncRNA
chr3-1578	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr3	15787181	15788361	+	0	NA	intron (N	intron (N	10208	NM_00134	23243	Hs.33523	NM_01519	ENSG0000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr5-1405	6.180073	-0.52294	0.945453	-0.55311	0.580188	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-8335	NM_00373	8637	Hs.594084	NM_00373	ENSG0000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr15-515	9.641857	0.420651	0.761024	0.552743	0.58044	0.981636	chr15	51527235	51527434	+	0	NA	intron (N	L1MA2|LIN	95437	NM_01526	23312	Hs.51138	NM_01526	ENSG0000	DMXL2	DFNA71|PE	Dmx like	protein-coding
chr8-3883	9.641857	0.420651	0.761024	0.552743	0.58044	0.981636	chr8	38835930	38836810	+	0	NA	intron (N	intron (N	30920	NM_00135	6867	Hs.27924	NM_00628	ENSG0000	TACC1	Ga55	transform	protein-coding
chr2-4657	7.940873	-0.47622	0.861691	-0.55266	0.580498	0.981636	chr2	46577950	46578374	+	0	NA	intron (N	L1M5|LINE	2076	NR_10418	1.01E+08	Hs.658541	NR_10418	ENSG0000	LOC10050	-	uncharact	ncRNA
chr12-117	5.980869	0.529029	0.957286	0.552635	0.580513	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	L1ME3B|LI	6252	NM_01500	23014	Hs.74037	NM_01500	ENSG0000	FBXO21	FBX21	F-box pro	protein-coding
chr15-888	5.980869	0.529029	0.957286	0.552635	0.580513	0.981636	chr15	88885074	88885760	+	0	NA	intron (N	AluSz6|SI	10127	NM_17823	145864	Hs.44753	NM_17823	ENSG0000	HAPLN3	EXLD1|HsT	hyalurona	protein-coding
chr22-466	5.980869	0.529029	0.957286	0.552635	0.580513	0.981636	chr22	46663147	46664404	+	0	NA	intron (N	intron (N	43389	NM_015124	23151	Hs.47515	NM_015124	ENSG0000	GRAMD4	DIP	GRAM doma	protein-coding
chr7-7452	5.980869	0.529029	0.957286	0.552635	0.580513	0.981636	chr7	74528396	74531834	+	0	NA	intron (N	AluSz6|SI	-65853	NR_16211	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr8-2539	5.980869	0.529029	0.957286	0.552635	0.580513	0.981636	chr8	25393515	25394928	+	0	NA	intron (N	AluJr4|SI	30040	NM_00108	2796	Hs.82963	NM_00082	ENSG0000	GNRH1	GNRH|GRH|	gonadotro	protein-coding
chr9-5762	10.18744	0.40614	0.735141	0.552466	0.580629	0.981636	chr9	5762266	5763758	+	0	NA	intron (N	intron (N	70105	NM_02489	79956	Hs.59107	NM_02489	ENSG0000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr3-1708	8.863786	-0.43594	0.789091	-0.55246	0.580631	0.981636	chr3	1.71E+08	1.71E+08	+	0	NA	intron (N	L2c|LINE|	2942	NR_13525	200916	Hs.38093	NM_00109	ENSG0000	RPL22L1	-	ribosomal	protein-coding
chr5-3344	8.863786	-0.43594	0.789091	-0.55246	0.580631	0.981636	chr5	33446143	33447570	+	0	NA	intron (N	intron (N	6080	NR_04767	6897	Hs.48186	NM_15229	ENSG0000	TARS	ThrRS	threonyl-	protein-coding
chr10-516	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr10	51697013	51698637	+	0	NA	exon (NM_	exon (NM_	1770	NM_01523	23283	Hs.59135	NM_01523	ENSG0000	CSTF2T	CstF-64T	cleavage	protein-coding
chr12-122	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSq2|SI	71992	NR_162094	1.13E+08		NR_162094		MIR9902-1	-	microRNA	ncRNA
chr12-132	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluY|SINE	31076	NM_006231	5426	Hs.524871	NM_006231	ENSG0000	POLE	CRCS12|FI	DNA polym	protein-coding
chr15-407	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr15	40719266	40720620	+	0	NA	intron (N	L1MB7|LIN	24769	NM_001164	5888	Hs.63170	NM_00287	ENSG0000	RAD51	BRCC5|FAN	RAD51 rec	protein-coding
chr15-506	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr15	50626520	50627214	+	0	NA	intron (N	intron (N	59930	NR_149154	54822	Hs.512894	NM_01767	ENSG0000	TRPM7	ALSPDC|CH	transient	protein-coding
chr16-312	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr16	3127670	3129102	+	0	NA	intron (N	AluJr|SIN	6496	NR_11090	1.01E+08	Hs.52214	NR_110900		ZNF213-AS	-	ZNF213 ar	ncRNA
chr16-577	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr16	57776810	57777565	+	0	NA	intron (N	L1MB3|LIN	-2109	NM_00131	3801	Hs.23131	NM_00555	ENSG0000	KIFC3	-	kinesin f	protein-coding
chr17-247	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr17	2471875	2472853	+	0	NA	intron (N	L1MC1|LIN	39524	NM_02408	79066	Hs.632237	NM_02408	ENSG0000	METTL16	METT10D	methyltra	protein-coding
chr17-504	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr17	50481910	50483050	+	0	NA	intron (N	intron (N	3620	NM_01834	55316	Hs.8033	NM_01834	ENSG0000	RSAD1	HemW	radical S	protein-coding
chr18-675	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr18	67505979	67506263	+	0	NA	TTS (NM_	TTS (NM_	-10425	NR_033921	643542	Hs.652901	NR_033921	ENSG0000	LOC643542	-	uncharact	ncRNA
chr2-2226	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	L4_B_Mam|	41070	NR_130154	10056	Hs.47145	NM_005687	ENSG0000	FARSB	FARSLB|FF	phenylala	protein-coding
chr4-4788	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr4	47882163	47883001	+	0	NA	intron (N	intron (N	-31645	NR_12587	1.02E+08	Hs.13419	NR_125879		LOC101927	-	uncharact	ncRNA
chr6-7343	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr6	73435658	73436886	+	0	NA	intron (N	L1MC3|LIN	16025	NM_138441	115004	Hs.65840	NM_138441	ENSG0000	CGAS	C6orf150|	cyclic GM	protein-coding
chr7-1273	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr7	1.27E+08	1.27E+08	+	0	NA	3’ UTR (N	3’ UTR (N	22471	NM_176814	168850	Hs.15900	NM_176814	ENSG0000	ZNF800	-	zinc fing	protein-coding
chr8-1298	4.419274	-0.60508	1.096301	-0.55193	0.580995	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-75760	NM_03141	56169	Hs.13324	NM_03141	ENSG0000	GSDMC	MLZE	gasdermin	protein-coding
chr10-793	8.805081	-0.44602	0.808177	-0.55188	0.581032	0.981636	chr10	79398023	79398282	+	0	NA	intron (N	intron (N	47472	NM_153367	219654	Hs.52308	NM_153367	ENSG0000	ZCCHC24	C10orf56|	zinc fing	protein-coding
chr4-5649	7.98987	-0.47461	0.860208	-0.55174	0.581126	0.981636	chr4	56496065	56497047	+	0	NA	intron (N	intron (N	-8653	NM_20691	132946	Hs.44444	NM_20691	ENSG0000	ARL9	-	ADP ribos	protein-coding
chr12-132	9.202125	0.433756	0.786355	0.551603	0.58122	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	7184	NR_00297	677829	Hs.74240	NR_00297	ENSG0000	SNORA49	ACA49	small nuc	snoRNA
chr16-162	12.02467	-0.38099	0.690755	-0.55156	0.581248	0.981636	chr16	16265712	16266231	+	0	NA	intron (N	AluSx|SIN	33376	NM_173614	283820	Hs.460141	NM_173614	ENSG0000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr11-639	6.469599	0.500676	0.908003	0.551404	0.581357	0.981636	chr11	63949930	63951342	+	0	NA	intron (N	AluSx3|SI	11305	NM_00130	79829	Hs.52375	NM_024771	ENSG0000	NAA40	NAT11|Nat	N(alpha)-	protein-coding
chr13-983	6.469599	0.500676	0.908003	0.551404	0.581357	0.981636	chr13	98391355	98392088	+	0	NA	intron (N	MIR|SINE|	130404	NM_00357	8428	Hs.508514	NM_00357	ENSG0000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-342	6.469599	0.500676	0.908003	0.551404	0.581357	0.981636	chr15	34249941	34250985	+	0	NA	intron (N	intron (N	25447	NM_00128	51234	Hs.25090	NM_016454	ENSG0000	EMC4	PIG17|TME	ER membra	protein-coding
chr20-359	6.469599	0.500676	0.908003	0.551404	0.581357	0.981636	chr20	35944150	35945417	+	0	NA	intron (N	AluSx1|SI	9843	NM_03363	51282	Hs.58490	NM_01655	ENSG0000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr9-6445	6.469599	0.500676	0.908003	0.551404	0.581357	0.981636	chr9	6445428	6446711	+	0	NA	intron (N	AluJb|SIN	32870	NM_15289	115426	Hs.493401	NM_15289	ENSG0000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr1-3929	10.1953	0.404603	0.733823	0.551363	0.581385	0.981636	chr1	39297720	39303852	+	0	NA	intron (N	AluSz|SIN	-108287	NM_01503	643314	Hs.65876	NM_01503	ENSG0000	KIAA0754	-	KIAA0754	protein-coding
chr17-819	10.1953	0.404603	0.733823	0.551363	0.581385	0.981636	chr17	81921923	81922775	+	0	NA	3’ UTR (N	3’ UTR (N	1117	NM_032711	4097	Hs.25222	NM_00235	ENSG0000	MAFG	hMAF	MAF bZIP	protein-coding
chr2-5809	10.1953	0.404603	0.733823	0.551363	0.581385	0.981636	chr2	58091963	58093607	+	0	NA	intron (N	L1PA5|LIN	46073	NM_00113	7444	Hs.71529	NM_00629	ENSG0000	VRK2	-	VRK serin	protein-coding
chr7-9253	10.1953	0.404603	0.733823	0.551363	0.581385	0.981636	chr7	92532582	92534183	+	0	NA	intron (N	MIR3|SINE	4587	NM_03212	84060	Hs.21590	NM_03212	ENSG0000	RBM48	C7orf64|F	RNA bindi	protein-coding
chr16-309	5.417718	0.556451	1.00967	0.551121	0.581551	0.981636	chr16	30977447	30977741	+	0	NA	intron (N	intron (N	-7613	NM_00114	80270	Hs.46061	NM_02519	ENSG0000	HSD3B7	CBAS1|PFI	hydroxy-c	protein-coding
chr21-257	5.417718	0.556451	1.00967	0.551121	0.581551	0.981636	chr21	25749731	25750247	+	0	NA	intron (N	MER1A|DNA	-14335	NM_00100	522	Hs.24631	NM_00168	ENSG0000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr5-1331	5.417718	0.556451	1.00967	0.551121	0.581551	0.981636	chr5	1331705	1331956	+	0	NA	exon (NM_	exon (NM_	13269	NM_03078	81037	Hs.44467	NM_03078	ENSG0000	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr1-1558	14.3746	0.345514	0.627136	0.55094	0.581675	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluY|SINE	7886	NM_00125	6016	Hs.491234	NM_00691	ENSG0000	RIT1	NS8|RIBB|	Ras like	protein-coding
chr1-1385	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	1385044	1385718	+	0	NA	TTS (NM_	TTS (NM_	-10174	NM_01790	54998	Hs.63251	NM_01790	ENSG0000	AURKAIP1	AIP|AKIP|	aurora ki	protein-coding
chr1-2329	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	23299246	23301064	+	0	NA	Intergeni	Intergeni	-14637	NR_11061	1.01E+08	Hs.99836	NR_110616		LINC0135	-	long inte	ncRNA
chr1-4562	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	45626491	45627522	+	0	NA	TTS (NM_	TTS (NM_	-2952	NM_001114	149483	Hs.18912	NM_15250	ENSG0000	CCDC17	-	coiled-co	protein-coding
chr1-7762	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	77625065	77627053	+	0	NA	intron (N	intron (N	56599	NM_015534	26009	Hs.48050	NM_015534	ENSG0000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-7782	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	77826375	77826925	+	0	NA	intron (N	AluJo|SIN	46845	NM_00136	374986	Hs.43775	NM_19854	ENSG0000	MIGA1	FAM73A	mitoguard	protein-coding
chr1-9672	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	96724163	96730104	+	0	NA	intron (N	L1ME1|LIN	4495	NR_12535	58155	Hs.596061	NM_02119	ENSG0000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr1-2038	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	Tigger17a	27695	NM_001174	1E+08		NM_001174	ENSG0000	ZBED6	MGR	zinc fing	protein-coding
chr10-746	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr10	74634866	74635783	+	0	NA	intron (N	L1MEf|LIN	-106000	NR_12067	1.03E+08		NR_120673		LOC10272	-	uncharact	ncRNA
chr10-919	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr10	91996900	91999660	+	0	NA	intron (N	intron (N	74510	NM_003972	9044	Hs.50052	NM_003972	ENSG0000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-369	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr11	3690526	3691231	+	0	NA	intron (N	L1ME1|LIN	-19494	NM_00130	57053	Hs.73280	NM_02040	ENSG0000	CHRNA10	-	cholinerg	protein-coding
chr11-882	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr11	88298328	88301410	+	0	NA	intron (N	intron (N	37867	NM_14817	1075	Hs.12806	NM_001814	ENSG0000	CTSC	CPPI|DPP-	cathepsin	protein-coding
chr11-112	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	19562	NM_13878	120379	Hs.42066	NM_13878	ENSG0000	PIH1D2	-	PIH1 doma	protein-coding
chr12-306	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	30678410	30679536	+	0	NA	intron (N	AluSx1|SI	-1729	NM_00119	10526	Hs.50513	NM_00639	ENSG0000	IPO8	RANBP8	importin	protein-coding
chr12-957	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	95786605	95787457	+	0	NA	exon (NM_	exon (NM_	3164	NM_00132	59277	Hs.201034	NM_02122	ENSG0000	NTN4	PRO3091	netrin 4	protein-coding
chr12-962	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	96277097	96278373	+	0	NA	TTS (NM_	TTS (NM_	22237	NM_00130	2004	Hs.46523	NM_00523	ENSG0000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-101	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MEc|LIN	59245	NM_001177	400	Hs.37261	NM_001177	ENSG0000	ARL1	ARFL1	ADP ribos	protein-coding
chr12-114	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	774	NM_18148	6910	Hs.38171	NM_00019	ENSG0000	TBX5	HOS	T-box tra	protein-coding
chr12-121	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	1414	NR_106957	1.02E+08		NR_106957	ENSG0000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr13-727	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr13	72753770	72755615	+	0	NA	3’ UTR (N	3’ UTR (N	26769	NM_00128	79866	Hs.643464	NM_02480	ENSG0000	BORA	C13orf34	BORA aur	protein-coding
chr13-113	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	43759	NM_00134	55002	Hs.31759	NM_01790	ENSG0000	TMCO3	C13orf11	transmemb	protein-coding
chr14-501	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr14	50108060	50110449	+	0	NA	non-codin	non-codin	-4211	NR_131171	196913	Hs.406934	NM_001014830		LINC0159	C14orf18	long inte	ncRNA
chr14-730	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr14	73015964	73016570	+	0	NA	intron (N	AluY|SINE	10839	NM_02126	53349	Hs.33510	NM_02126	ENSG0000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr15-341	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr15	34144878	34145293	+	0	NA	intron (N	intron (N	43002	NM_15259	161779	Hs.156317	NM_15259	ENSG0000	PGBD4	-	piggyBac	protein-coding
chr15-627	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr15	62717612	62718032	+	0	NA	intron (N	intron (N	70511	NM_01505	83660	Hs.56943	NM_01505	ENSG0000	TLN2	ILWEQ	talin 2	protein-coding
chr15-101	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSg|SIN	5486	NM_00309	6627	Hs.52876	NM_00309	ENSG0000	SNRPA1	Lea1|U2A’	small nuc	protein-coding
chr16-467	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr16	46794866	46796425	+	0	NA	TTS (NR_1	TTS (NR_1	-32399	NM_00130	91807	Hs.13046	NM_18249	ENSG0000	MYLK3	MLCK|MLCK	myosin li	protein-coding
chr16-532	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr16	53259086	53265430	+	0	NA	intron (N	intron (N	53807	NM_001352	80205	Hs.59159	NM_015287	ENSG0000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-155	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr17	15532090	15534639	+	0	NA	intron (N	MER20B|DN	30119	NM_001204	1.01E+08	Hs.16459	NM_001204	ENSG0000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chr17-301	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr17	30126384	30129454	+	0	NA	intron (N	AluJb|SIN	-10759	NR_03614	1E+08		NR_03614	ENSG0000	MIR3184	-	microRNA	ncRNA
chr17-620	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr17	62041539	62042523	+	0	NA	intron (N	MER5B|DNA	23247	NM_005121	9969	Hs.28267	NM_005121	ENSG0000	MED13	ARC250|DR	mediator	protein-coding
chr18-937	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr18	9375783	9379568	+	0	NA	intron (N	L1MCa|LIN	42902	NM_02064	57045	Hs.51468	NM_02064	ENSG0000	TWSG1	TSG	twisted g	protein-coding
chr18-492	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr18	49255836	49257633	+	0	NA	intron (N	intron (N	203911	NM_00135	54808	Hs.16299	NM_01765	ENSG0000	DYM	DMC|SMC	dymeclin	protein-coding
chr18-585	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr18	58542803	58546770	+	0	NA	intron (N	intron (N	-55834	NR_13296	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr2-4702	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr2	47029721	47030663	+	0	NA	intron (N	X7C_LINE|	-88337	NM_001171	90411	Hs.66215	NM_13927	ENSG0000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-5567	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr2	55679195	55682242	+	0	NA	exon (NM_	exon (NM_	13126	NM_03310	87178	Hs.38873	NM_03310	ENSG0000	PNPT1	COXPD13|I	polyribon	protein-coding
chr2-1200	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA5|LIN	38308	NM_00133	57669	Hs.36923	NM_02090	ENSG0000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr2-1784	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	non-codin	non-codin	11334	NM_00113	8575	Hs.570274	NM_00369	ENSG0000	PRKRA	DYT16|HSD	protein a	protein-coding
chr21-316	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr21	31682032	31682395	+	0	NA	intron (N	AluSc|SIN	22591	NM_000454	6647	Hs.443914	NM_000454	ENSG0000	SOD1	ALS|ALS1|	superoxid	protein-coding
chr3-1567	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr3	15673762	15675448	+	0	NA	intron (N	L2a|LINE|	22766	NR_03608	1E+08		NR_03608	ENSG0000	MIR3134	-	microRNA	ncRNA
chr3-6975	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr3	69753034	69753505	+	0	NA	intron (N	MSTA-int|	-10235	NM_001184	4286	Hs.166017	NM_00024	ENSG0000	MITF	CMM8|COMM	melanocyt	protein-coding
chr3-1080	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	43639	NM_001777	961	Hs.446414	NM_001777	ENSG0000	CD47	IAP|MER6|	CD47 mole	protein-coding
chr4-2661	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr4	26616800	26618794	+	0	NA	intron (N	intron (N	33713	NM_018317	55296	Hs.47940	NM_018317	ENSG0000	TBC1D19	-	TBC1 doma	protein-coding
chr4-8844	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr4	88442536	88443171	+	0	NA	3’ UTR (N	3’ UTR (N	-14266	NM_01632	51191	Hs.26663	NM_01632	ENSG0000	HERC5	CEB1|CEBP	HECT and	protein-coding
chr4-1223	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-54592	NM_13924	132612	Hs.518957	NM_13924	ENSG0000	ADAD1	Tenr	adenosine	protein-coding
chr5-5453	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr5	54535210	54537142	+	0	NA	intron (N	intron (N	18417	NM_00110	112574	Hs.43275	NM_05287	ENSG0000	SNX18	SH3PX2|SH	sorting n	protein-coding
chr5-6957	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr5	69577164	69581832	+	0	NA	intron (N	AluJr|SIN	19253	NM_00109	728340	Hs.19135	NM_00109	ENSG0000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr5-7043	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr5	70437733	70443903	+	0	NA	exon (NM_	exon (NM_	25444	NM_00151	2966	Hs.19135	NM_00151	ENSG0000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr5-1491	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	LTR10F|LT	45867	NM_00137	22885	Hs.49688	NM_01494	ENSG0000	ABLIM3	HMFN1661	actin bin	protein-coding
chr5-1805	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	21835	NM_05286	92304	Hs.62492	NM_05286	ENSG0000	SCGB3A1	HIN-1|HIN	secretogl	protein-coding
chr6-1070	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr6	10708250	10710417	+	0	NA	exon (NM_	exon (NM_	-13582	NM_00116	51522	Hs.519557	NM_01646	ENSG0000	TMEM14C	C6orf53|H	transmemb	protein-coding
chr7-1050	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	47883	NM_182931	55904	Hs.59226	NM_01868	ENSG0000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr8-4204	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr8	42047717	42048673	+	0	NA	intron (N	intron (N	-3555	NR_13658	1.05E+08	Hs.74287	NR_136589		LOC10537	-	uncharact	ncRNA
chr9-3394	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr9	33944119	33945299	+	0	NA	intron (N	intron (N	8145	NR_00368	1E+08		NR_00368	ENSG0000	SNORD121A	-	small nuc	snoRNA
chr9-8843	6.649388	-0.49381	0.896647	-0.55073	0.581815	0.981636	chr9	88436318	88437498	+	0	NA	intron (N	AluYa5|SI	48464	NM_006717	10927	Hs.146804	NM_006717	ENSG0000	SPIN1	SPIN|TDRD	spindlin	protein-coding
chr1-1549	9.135561	0.428185	0.777612	0.550641	0.58188	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-2158	NM_001321	1.02E+08	Hs.533597	NM_001321726		LOC10192	-	uncharact	protein-coding
chr10-721	9.135561	0.428185	0.777612	0.550641	0.58188	0.981636	chr10	72184585	72184788	+	0	NA	intron (N	L1ME1|LIN	31270	NM_00136	51008	Hs.500007	NM_015947	ENSG0000	ASCC1	ASC1p50|(	activatin	protein-coding
chr2-4257	9.135561	0.428185	0.777612	0.550641	0.58188	0.981636	chr2	42573027	42574662	+	0	NA	intron (N	AluY|SINE	5212	NM_00133	57504	Hs.43541	NM_020744	ENSG0000	MTA3	-	metastasi	protein-coding
chr2-2298	9.135561	0.428185	0.777612	0.550641	0.58188	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	-93725	NM_13907	92737	Hs.234074	NM_13907	ENSG0000	DNER	UNQ26|bet	delta/not	protein-coding
chr1-2114	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr1	21142272	21143097	+	0	NA	intron (N	intron (N	25355	NM_00119	8672	Hs.467084	NM_00376	ENSG0000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr1-6254	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr1	62549938	62550561	+	0	NA	intron (N	L2a|LINE|	-47271	NM_01449	27329	Hs.20915	NM_01449	ENSG0000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr2-6140	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr2	61402114	61402673	+	0	NA	intron (N	intron (N	14984	NR_003707	1E+08	Hs.67582	NR_003707	ENSG0000	SNORA70B	-	small nuc	snoRNA
chr3-2385	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr3	23852061	23853000	+	0	NA	intron (N	L1MB7|LIN	42076	NM_00120	7324	Hs.16485	NM_003341	ENSG0000	UBE2E1	UBCH6	ubiquitin	protein-coding
chr6-1119	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr6	11199135	11200051	+	0	NA	3’ UTR (N	3’ UTR (N	33075	NM_18296	4739	Hs.37982	NM_00640	ENSG0000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr8-2539	4.460413	-0.59932	1.088448	-0.55062	0.581892	0.981636	chr8	25392545	25393140	+	0	NA	exon (NM_	exon (NM_	-31330	NR_15996	1.05E+08		NR_159962		LOC10537	-	uncharact	ncRNA
chrX-5340	8.756384	0.460401	0.836374	0.550473	0.581995	0.981636	chrX	53405109	53405336	+	0	NA	TTS (NR_1	TTS (NR_1	543	NR_10691	1.02E+08		NR_10691	ENSG0000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr1-1625	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr1	16251086	16251498	+	0	NA	exon (NM_	exon (NM_	-14109	NM_030907	79363	Hs.54643	NM_030907	ENSG0000	CPLANE2	C1orf89|F	ciliogene	protein-coding
chr10-104	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	AluJb|SIN	3774	NM_00483	9446	Hs.19002	NM_00483	ENSG0000	GSTO1	GSTO 1-1|	glutathio	protein-coding
chr12-277	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr12	27797597	27798546	+	0	NA	exon (NM_	exon (NM_	17838	NM_02078	57542	Hs.505104	NM_02078	ENSG0000	KLHL42	Ctb9|KLHD	kelch lik	protein-coding
chr17-323	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr17	32352456	32354576	+	0	NA	intron (N	AluSx1|SI	3378	NM_003457	7756	Hs.50077	NM_003457	ENSG0000	ZNF207	BuGZ|hBuG	zinc fing	protein-coding
chr2-2374	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	6222	NM_05716	1293	Hs.23324	NM_00436	ENSG0000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr20-137	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr20	13764637	13769140	+	0	NA	exon (NM_	exon (NM_	17998	NM_01664	51575	Hs.369284	NM_01664	ENSG0000	ESF1	ABTAP|C2(	ESF1 nucl	protein-coding

chr20-179	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr20	17941139	17942713	+	0	NA	3’ UTR (N	3’ UTR (N	21020	NR_003045	692086	Hs.680747	NR_003045	ENSG00000	SNORD17	HBI-43	small nuc	snoRNA
chr3-1504	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	50029	NM_001303	9819	Hs.722470	NM_014779	ENSG00000	TSC22D2	TILZ4a|T1	TSC22 dom	protein-coding
chr5-1392	8.897068	-0.43182	0.784584	-0.55037	0.582062	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	promoter-	promoter-	-602	NR_002915	26821	Hs.684893	NR_002915	ENSG00000	SNORA74A	RNU19|U19	small nuc	snoRNA
chr1-4559	6.590682	-0.50732	0.921836	-0.55033	0.58209	0.981636	chr1	45592356	45592932	+	0	NA	intron (N	AluSx1|SI	8603	NM_152298	4678	Hs.319334	NM_002482	ENSG00000	NASP	FLB7527|F	nuclear a	protein-coding
chr2-1179	6.045097	-0.56505	1.026896	-0.55025	0.582147	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	23781	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr12-480	6.461741	0.503157	0.914458	0.550225	0.582165	0.981636	chr12	48070717	48071572	+	0	NA	intron (N	intron (N	-34109	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|(	phosphofr	protein-coding
chr18-240	6.461741	0.503157	0.914458	0.550225	0.582165	0.981636	chr18	24066721	24067615	+	0	NA	intron (N	intron (N	-46159	NM_001292	125488	Hs.128576	NM_153211	ENSG00000	TTC39C	C18orf17|	tetratric	protein-coding
chr6-1523	6.461741	0.503157	0.914458	0.550225	0.582165	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-30172	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr7-7369	6.461741	0.503157	0.914458	0.550225	0.582165	0.981636	chr7	73697169	73697615	+	0	NA	intron (N	intron (N	13795	NR_045512	114049	Hs.647063	NM_017528	ENSG00000	BUD23	HASJ4442|	BUD23 rRN	protein-coding
chr4-2677	9.315535	-0.42692	0.776582	-0.54975	0.582494	0.981636	chr4	26770520	26771458	+	0	NA	Intergeni	L1MEc|LIN	89255	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr12-108	6.221213	-0.51882	0.943763	-0.54974	0.5825	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSz|SIN	3836	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr16-367	6.221213	-0.51882	0.943763	-0.54974	0.5825	0.981636	chr16	3670594	3670793	+	0	NA	intron (N	AluJo|SIN	15989	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribo	protein-coding
chr8-6058	6.221213	-0.51882	0.943763	-0.54974	0.5825	0.981636	chr8	60589596	60590082	+	0	NA	intron (N	MER112|DN	72852	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr11-120	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	L1ME1|LIN	-7445	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr13-950	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr13	95099461	95099712	+	0	NA	intron (N	intron (N	-110758	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr17-199	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr17	19939252	19939580	+	0	NA	intron (N	L2b|LINE|	38412	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr19-560	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr19	56093390	56093741	+	0	NA	intron (N	intron (N	26881	NR_110741	1.02E+08	Hs.434652	NR_110741	ENSG00000	LINC01864	-	long inte	ncRNA
chr20-198	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr20	19823968	19824241	+	0	NA	Intergeni	Intergeni	-62417	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr4-7697	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr4	76974260	76976222	+	0	NA	intron (N	intron (N	25489	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-1517	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	5181	NM_004045	475	Hs.125213	NM_004045	ENSG00000	ATOX1	ATX1|HAH1	antioxida	protein-coding
chr6-1739	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr6	17397174	17397474	+	0	NA	intron (N	AluSx|SIN	3729	NM_006366	10486	Hs.132902	NM_006366	ENSG00000	CAP2	-	cyclase a	protein-coding
chr6-1445	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	AluSz|SIN	149973	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr8-1408	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L1MD|LINE	-76003	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-1289	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	38235	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chrX-5359	6.616106	-0.49947	0.908589	-0.54972	0.58251	0.981636	chrX	53599611	53600587	+	0	NA	intron (N	intron (N	-42825	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr6-3426	9.356674	-0.42428	0.772917	-0.54894	0.583048	0.981636	chr6	34263321	34263804	+	0	NA	Intergeni	Intergeni	-14454	NM_001287	221491	Hs.381300	NM_178508	ENSG00000	SMIM29	C6orf1|LE	small int	protein-coding
chr7-9956	11.6552	-0.38167	0.695293	-0.54894	0.583049	0.981636	chr7	99560731	99562605	+	0	NA	intron (N	intron (N	2834	NM_001363	79027	Hs.599798	NM_024061	ENSG00000	ZNF655	VIK|VIK-1	zinc fing	protein-coding
chr2-1909	9.340958	-0.4214	0.767708	-0.5489	0.583071	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	L2|LINE|L	42253	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr12-708	12.08338	-0.37362	0.680693	-0.54888	0.583084	0.981636	chr12	7080128	7083591	+	0	NA	intron (N	intron (N	10034	NM_001354	715	Hs.524224	NM_001733	ENSG00000	C1R	EDSPD1	complemer	protein-coding
chr1-4663	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr1	46635132	46635502	+	0	NA	3’ UTR (N	3’ UTR (N	-18426	NM_201403	148932	Hs.632401	NM_145279	ENSG00000	MOB3C	MOB1E|MOE	MOB kinas	protein-coding
chr1-2302	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	136145	NM_004481	2590	Hs.743964	NM_004481	ENSG00000	GALNT2	GalNAc-T2	polypepti	protein-coding
chr10-272	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr10	27214151	27215011	+	0	NA	intron (N	intron (N	25905	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr11-748	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr11	74867984	74869379	+	0	NA	intron (N	L1PA14|LI	80410	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rac	protein-coding
chr12-132	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	24291	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr19-563	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr19	56398212	56399655	+	0	NA	non-codir	non-codir	-5081	NM_001159	147949	Hs.146854	NM_152478	ENSG00000	ZNF583	-	zinc fing	protein-coding
chr20-336	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr20	33670969	33671769	+	0	NA	intron (N	L3|LINE|C	3059	NM_031232	63941	Hs.516986	NM_031231	ENSG00000	NECAB3	APBA2BP|N	N-termina	protein-coding
chr4-7145	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr4	71450603	71451564	+	0	NA	intron (N	intron (N	112030	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr7-5549	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chr7	55491687	55492613	+	0	NA	intron (N	intron (N	34730	NM_001321	81552	Hs.488307	NM_030796	ENSG00000	VOPP1	ECOP|GASF	VOPP1 WW	protein-coding
chrX-4791	6.477457	0.498275	0.908075	0.548716	0.5832	0.981636	chrX	47915231	47916300	+	0	NA	exon (NM_	exon (NM_	78863	NM_007137	347344	Hs.114246	NM_007137	ENSG00000	ZNF81	HFZ20|MRX	zinc fing	protein-coding
chr17-750	9.673289	0.414161	0.754996	0.548561	0.583307	0.981636	chr17	7508202	7510150	+	0	NA	exon (NM_	exon (NM_	24810	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr19-553	9.673289	0.414161	0.754996	0.548561	0.583307	0.981636	chr19	55302774	55304290	+	0	NA	intron (N	MIR3|SINE	19535	NM_032430	84446	Hs.182081	NM_032430	ENSG00000	BRSK1	hSAD1	BR serine	protein-coding
chr22-439	9.673289	0.414161	0.754996	0.548561	0.583307	0.981636	chr22	43963214	43965390	+	0	NA	intron (N	intron (N	8860	NM_015380	25813	Hs.505824	NM_015380	ENSG00000	SAMM50	CGI-51|OM	SAMM50 sc	protein-coding
chr4-8843	9.673289	0.414161	0.754996	0.548561	0.583307	0.981636	chr4	88433460	88434046	+	0	NA	intron (N	MSTC|LTR|	-23366	NM_016323	51191	Hs.26663	NM_016323	ENSG00000	HERC5	CEB1|CEBF	HECT and	protein-coding
chr13-102	5.718617	-0.55815	1.017837	-0.54836	0.583441	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	AluJr|SIN	40906	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr5-6989	12.09123	-0.37475	0.683424	-0.54835	0.583455	0.981636	chr5	69895568	69895981	+	0	NA	intron (N	MER3|DNA|	5796	NR_160659	1.03E+08	Hs.711155	NR_160659		LOC102724	-	POM121 tr	pseudo
chr11-779	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr11	77926999	77927773	+	0	NA	intron (N	intron (N	67282	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTC	integratc	protein-coding
chr15-559	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr15	55987875	55988824	+	0	NA	intron (N	L1HS|LINE	5263	NM_001329	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|R	NEDD4 E3	protein-coding
chr16-884	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr16	88407862	88408415	+	0	NA	Intergeni	Intergeni	-19333	NM_001367	84627	Hs.54925	NM_001127	ENSG00000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr19-798	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr19	7984287	7985162	+	0	NA	intron (N	(AGGC)n|S	20917	NM_001419	1994	Hs.184492	NM_001419	ENSG00000	ELAVL1	ELAV1|HUR	ELAV like	protein-coding
chr2-2374	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	3641	NR_104019	79083	Hs.102406	NM_024101	ENSG00000	MLPH	SLAC2-A	melanophi	protein-coding
chr2-2377	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	46334	NM_004735	9208	Hs.471779	NM_004735	ENSG00000	LRRFIP1	FLAP-1|FL	LRR bindi	protein-coding
chr22-405	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr22	40547660	40548079	+	0	NA	intron (N	AluSz|SIN	-14042	NM_001318	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardir	protein-coding
chr3-4560	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr3	45603570	45604044	+	0	NA	intron (N	intron (N	9056	NM_014240	8994	Hs.193370	NM_014240	ENSG00000	LIMD1	-	LIM domai	protein-coding
chr3-5000	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr3	50000952	50001915	+	0	NA	intron (N	AluJr|SIN	61283	NM_001349	10180	Hs.696735	NM_005777	ENSG00000	RBM6	3G2|DEF-3	RNA bindi	protein-coding
chr4-5601	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr4	56013814	56014264	+	0	NA	intron (N	MLT1C|LTR	65094	NM_025009	9662	Hs.518767	NM_014645	ENSG00000	CEP135	CEP4|KIAA	centrosom	protein-coding
chr5-6245	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr5	62450964	62452110	+	0	NA	intron (N	Charlie1b	32653	NM_001134	51194	Hs.482269	NM_016338	ENSG00000	IPO11	RanBP11	importin	protein-coding
chr6-1189	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	3’ UTR (N	3’ UTR (N	17366	NM_014034	25842	Hs.292316	NM_014034	ENSG00000	ASF1A	CGI-98|CI	anti-sile	protein-coding
chr6-1224	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr6	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	14817	NM_001243	3298	Hs.158195	NM_004506	ENSG00000	HSF2	HSF 2|HST	heat shoc	protein-coding
chr7-4749	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr7	47497691	47498328	+	0	NA	intron (N	intron (N	-33206	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-1407	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	TTS (NM_(	TTS (NM_(	-17468	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chrX-1302	4.452555	-0.59658	1.088532	-0.54806	0.583652	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	41766	NM_004794	9363	Hs.654356	NM_004794	ENSG00000	RAB33A	RabS10	RAB33A, m	protein-coding
chr10-122	5.906448	0.523464	0.95513	0.548055	0.583654	0.981636	chr10	1.23E+08	1.23E+08	+	0	NA	intron (N	MER58B|DN	-47994	NM_004406	1755	Hs.279611	NM_004406	ENSG00000	DMBT1	GP340|SAG	deleted i	protein-coding
chr2-9444	5.906448	0.523464	0.95513	0.548055	0.583654	0.981636	chr2	9444622	9444923	+	0	NA	intron (N	AluSx|SIN	21118	NM_016207	51692	Hs.515972	NM_016207	ENSG00000	CPSF3	CPSF-73|(	cleavage	protein-coding
chr4-2823	5.906448	0.523464	0.95513	0.548055	0.583654	0.981636	chr4	2823403	2823621	+	0	NA	intron (N	intron (N	4698	NM_003023	6452	Hs.167679	NM_003023	ENSG00000	SH3BP2	3BP-2|3BF	SH3 domai	protein-coding
chr12-685	10.20316	0.403084	0.735542	0.54801	0.583685	0.981636	chr12	6855847	6864178	+	0	NA	intron (N	intron (N	-7408	NM_001159	7167	Hs.524219	NM_000365	ENSG00000	TPI1	HEL-S-49|	triosepho	protein-coding
chr16-882	10.20316	0.403084	0.735542	0.54801	0.583685	0.981636	chr16	8824142	8825806	+	0	NA	intron (N	HERV35I-i	-24495	NR_147908	1E+08	Hs.735515	NR_147908		LOC100130	-	uncharact	ncRNA
chr2-7384	10.20316	0.403084	0.735542	0.54801	0.583685	0.981636	chr2	73845131	73848095	+	0	NA	intron (N	AluJb|SIN	17646	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM binc	protein-coding
chr20-506	10.20316	0.403084	0.735542	0.54801	0.583685	0.981636	chr20	50606694	50617461	+	0	NA	intron (N	AluSz|SIN	2708	NR_031634	1E+08		NR_031634	ENSG00000	MIR1302-5	MIRN1302-	microRNA	ncRNA
chr9-1252	11.59835	-0.38141	0.69603	-0.54798	0.583704	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	3144	NM_005347	3309	Hs.743241	NM_005347	ENSG00000	HSPA5	BIP|GRP78	heat shoc	protein-coding
chr8-1983	9.632149	0.413088	0.754295	0.547648	0.583934	0.981636	chr8	19838763	19839650	+	0	NA	intron (N	L1M5|LINE	21790	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integratc	protein-coding
chr1-4021	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr1	40211633	40212109	+	0	NA	intron (N	AluSq2|SI	-36066	NM_001008	127391	Hs.406265	NM_001008	ENSG00000	TMCO2	dJ39G22.2	transmemb	protein-coding
chr16-681	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr16	68184459	68185193	+	0	NA	intron (N	AluY|SINE	48673	NR_106831	1.02E+08		NR_106831	ENSG00000	MIR6773	hsa-mir-6	microRNA	ncRNA
chr17-819	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr17	81908839	81909178	+	0	NA	exon (NM_	exon (NM_	2167	NM_001282	5833	Hs.569843	NM_002861	ENSG00000	PCYT2	ET	phosphate	protein-coding
chr3-3686	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr3	36860009	36861393	+	0	NA	intron (N	intron (N	-38201	NR_147141	1.05E+08	Hs.333862	NR_147141	ENSG00000	LINC02033	-	long inte	ncRNA
chr3-5310	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr3	53103692	53105002	+	0	NA	intron (N	intron (N	26088	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homc	protein-coding
chr3-1125	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	LTR5_Hs|L	2586	NM_001348	55032	Hs.237480	NM_017945	ENSG00000	SLC35A5	-	solute ca	protein-coding
chr4-4241	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr4	4241839	4242280	+	0	NA	intron (N	AluSz|SIN	6164	NM_001297	85013	Hs.12845	NM_032927	ENSG00000	TMEM128	-	transmemb	protein-coding
chr7-7598	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr7	75987922	75988430	+	0	NA	exon (NM_	exon (NM_	6419	NM_001317	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMF	transmemb	protein-coding
chr9-1302	5.914306	0.520856	0.951325	0.547506	0.584031	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-6911	NR_162140	1.13E+08		NR_162140		MIR12126	-	microRNA	ncRNA
chr6-1162	9.624291	0.414685	0.757435	0.547486	0.584045	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1736	NM_001080	29940	Hs.458358	NM_013352	ENSG00000	DSE	DS-epi1|D	dermatan	protein-coding
chr1-1026	8.134527	0.465269	0.849854	0.547469	0.584057	0.981636	chr1	10267167	10267426	+	0	NA	intron (N	AluSz|SIN	-31670	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr18-953	8.134527	0.465269	0.849854	0.547469	0.584057	0.981636	chr18	9531708	9531926	+	0	NA	intron (N	intron (N	56304	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIF	ralA binc	protein-coding
chr1-5303	9.706571	0.416831	0.76139	0.547461	0.584062	0.981636	chr1	53039110	53040097	+	0	NA	intron (N	L2a|LINE|	-22449	NM_001199	127435	Hs.586141	NM_153703	ENSG00000	PODN	PCAN|SLRR	podocan	protein-coding
chr16-749	9.706571	0.416831	0.76139	0.547461	0.584062	0.981636	chr16	74911014	74915541	+	0	NA	intron (N	AluSz|SIN	71846	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr7-7701	10.16202	0.40203	0.734524	0.547333	0.58415	0.981636	chr7	77015047	77016054	+	0	NA	intron (N	intron (N	15020	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG00000	SPDYE11	-	speedy/RI	protein-coding
chr13-499	6.11351	-0.53533	0.979284	-0.54665	0.584618	0.981636	chr13	49963369	49963925	+	0	NA	Intergeni	L1MCa|LIN	-27146	NM_001127	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|(	SPRY doma	protein-coding
chr10-919	9.333101	-0.42002	0.768719	-0.54639	0.584799	0.981636	chr10	91984588	91985534	+	0	NA	intron (N	L1ME2z|LI	61291	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr12-128	9.333101	-0.42002	0.768719	-0.54639	0.584799	0.981636	chr12	12821688	12823413	+	0	NA	intron (N	intron (N	9204	NM_016355	51202	Hs.719938	NM_016355	ENSG00000	DDX47	E4-DBP|HG	DEAD-box	protein-coding
chr1-6525	6.690527	-0.49016	0.897093	-0.54639	0.5848	0.981636	chr1	6525621	6526983	+	0	NA	intron (N	intron (N	-6241	NM_198681	57449	Hs.284232	NM_020631	ENSG00000	PLEKHG5	CMTRIC|DS	pleckstri	protein-coding
chr1-1081	6.690527	-0.49016	0.897093	-0.54639	0.5848	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA7|LIN	45700	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr11-303	6.690527	-0.49016	0.897093	-0.54639	0.5848	0.981636	chr11	30332765	30333745	+	0	NA	intron (N	intron (N	10151	NM_152316	120534	Hs.502208	NM_152316	ENSG00000	ARL14EP	ARF7EP|C1	ADP ribos	protein-coding
chr15-896	6.690527	-0.49016	0.897093	-0.54639	0.5848	0.981636	chr15	89648296	89648495	+	0	NA	exon (NM_	exon (NM_	7072	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr5-3724	6.690527	-0.49016	0.897093	-0.54639	0.5848	0.981636	chr5	37240918	37243011	+	0	NA	intron (N	L1ME3|LIN	-7082	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr15-341	9.37424	-0.41745	0.76419	-0.54627	0.584881	0.981636	chr15	34152363	34155310	+	0	NA	intron (N	AluSc|SIN	51753	NM_152595	161779	Hs.156317	NM_152595	ENSG00000	PGBD4	-	piggyBac	protein-coding
chr18-879	9.37424	-0.41745	0.76419	-0.54627	0.584881	0.981636	chr18	8798049	8799268	+	0	NA	intron (N	intron (N	81277	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr2-1910	9.37424	-0.41745	0.76419	-0.54627	0.584881	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	AluJr|SIN	2782	NM_139266	6772	Hs.642990	NM_007315	ENSG00000	STAT1	CANDF7|IM	signal tr	protein-coding
chr21-327	9.37424	-0.41745	0.76419	-0.54627	0.584881	0.981636	chr21	32747319	32748744	+	0	NA	intron (N	AluJo|SIN	19917	NR_038880	1.01E+08	Hs.657123	NR_038879	ENSG00000	PAXBP1-AS	GCFC1-AS1	PAXBP1 ar	ncRNA
chr1-4045	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	40452271	40464354	+	0	NA	intron (N	intron (N	7836	NM_023070	65243	Hs.133034	NM_023070	ENSG00000	ZFP69B	ZKSCAN23E	ZFP69 zir	protein-coding
chr1-1163	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	5896	NM_001160	476	Hs.371889	NM_000701	ENSG00000	ATP1A1	CMT2DD|HO	ATPase Na	protein-coding
chr1-1205	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-109571	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1739	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSx|SIN	33081	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RO	ring fing	protein-coding
chr1-1800	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	66066	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2143	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	AluJr|SIN	101276	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr15-429	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr15	42968459	42970514	+	0	NA	intron (N	L1PA7|LIN	-48708	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr16-317	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr16	31753241	31757967	+	0	NA	intron (N	intron (N	42375	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-286	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr17	28634932	28640142	+	0	NA	intron (N	intron (N	7621	NM_001321	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr6-1421	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	30452	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr9-1268	10.16988	0.400503	0.733206	0.546234	0.584905	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	exon (NM_	exon (NM_	19905	NM_001099	403341	Hs.177633	NM_203482	ENSG00000	ZBTB34	ZNF918	zinc fing	protein-coding
chr1-1490	8.672255	0.447625	0.820045	0.545854	0.585166	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	7951	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr19-109	8.672255	0.447625	0.820045	0.545854	0.585166	0.981636	chr19	10995163	10995637	+	0	NA	intron (N	intron (N	11248	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr1-1688	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr1	1688984	1689991	+	0	NA	intron (N	MIR|SINE|	3308	NM_001110	728661	Hs.655255	NM_001110	ENSG00000	SLC35E2B	SLC35E2	solute ca	protein-coding
chr1-2673	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr1	26735721	26737173	+	0	NA	intron (N	AluSx4|SI	40432	NM_006015	8289	Hs.468972	NM_006015	ENSG00000	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr1-5652	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr1	56527982	56528508	+	0	NA	intron (N	intron (N	51318	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPF	phospholi	protein-coding
chr1-2143	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	Intergeni	(TTTA)n|S	65943	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-2468	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	57878	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-877	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr10	87789587	87790470	+	0	NA	intron (N	intron (N	28203	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNF	ATPase fa	protein-coding
chr14-311	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr14	31152772	31153493	+	0	NA	intron (N	AluYh3a3|	54661	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-678	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr14	67812272	67813251	+	0	NA	intron (N	intron (N	3829	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr19-189	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr19	18914282	18915260	+	0	NA	intron (N	AluSx4|SI	4616	NM_199444	11316	Hs.10326	NM_007263	ENSG00000	COPE	epsilon-C	coatomer	protein-coding
chr20-590	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr20	59026829	59028552	+	0	NA	TTS (NR_(	TTS (NR_(	4645	NM_006886	514	Hs.177530	NM_006886	ENSG00000	ATP5F1E	ATP5E|ATF	ATP synth	protein-coding
chr22-364	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr22	36478807	36480271	+	0	NA	intron (N	AluSx1|SI	2101	NM_012473	25828	Hs.211929	NM_012473	ENSG00000	TXN2	COXPD29|M	thioredox	protein-coding
chr3-4916	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr3	49162207	49163761	+	0	NA	exon (NM_	exon (NM_	3347	NM_022903	64925	Hs.211472	NM_022903	ENSG00000	CCDC71	-	coiled-cc	protein-coding
chr4-1690	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	MLT1F|LTR	-87724	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding

chr5-3848	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr5	38483882	38486213	+	0	NA	intron (N	intron (N	39501	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AC	EGF like,	protein-coding
chr5-1317	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSz|SIN	79072	NM_001008	96459	Hs.591273	NM_133372	ENSG00000	FNIP1	-	folliculi	protein-coding
chr5-1793	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	28917	NM_014244	9509	Hs.23871	NM_014244	ENSG00000	ADAMTS2	ADAM-TS2|	ADAM meta	protein-coding
chr6-3195	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr6	31951289	31952820	+	0	NA	TTS (NM_0	TTS (NM_0	4886	NR_031601	1E+08		NR_031601	ENSG00000	MIR1236	MIRN1236|	microRNA	ncRNA
chr6-1139	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	-24337	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG00000	HDAC2-AS2	-	HDAC2 anc	ncRNA
chr7-1385	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	96750	NM_001331	136306	Hs.99414	NM_174959	ENSG00000	SVOPL	-	SVOP like	protein-coding
chr9-3249	6.682669	-0.48828	0.895047	-0.54554	0.585382	0.981636	chr9	32496191	32497698	+	0	NA	intron (N	L1MB2|LIN	29252	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bo	protein-coding
chr1-7741	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr1	77417962	77419000	+	0	NA	intron (N	intron (N	135394	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr11-626	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr11	62643342	62644363	+	0	NA	intron (N	AluJo|SIN	2761	NM_001329	23193	Hs.595071	NM_014610	ENSG00000	GANAB	G2AN|GIIA	glucosida	protein-coding
chr15-784	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr15	78439963	78442843	+	0	NA	intron (N	intron (N	2982	NM_001320	3658	Hs.436031	NM_004136	ENSG00000	IREB2	ACO3|IRE-	iron resp	protein-coding
chr16-692	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr16	69284472	69285104	+	0	NA	intron (N	AluSx3|SI	-26562	NM_013245	27183	Hs.128420	NM_013245	ENSG00000	VPS4A	SKD1|SKD1	vacuolar	protein-coding
chr2-3728	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr2	37281137	37282160	+	0	NA	intron (N	MLT1A0|LT	35436	NM_005813	23683	Hs.660757	NM_005813	ENSG00000	PRKD3	EPK2|PKC-	protein k	protein-coding
chr2-6122	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr2	61222624	61223444	+	0	NA	intron (N	intron (N	45616	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr3-1283	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr3	12834073	12840697	+	0	NA	intron (N	L1ME4c|LI	3065	NM_001007	6161	Hs.265174	NM_000994	ENSG00000	RPL32	L32|PP993	ribosomal	protein-coding
chr4-1195	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	MER5A|DNA	75238	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr5-3891	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr5	38917359	38919089	+	0	NA	intron (N	MER115|DN	72212	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-1548	9.366382	-0.41606	0.762807	-0.54543	0.585457	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-42963	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr10-623	9.640007	0.411471	0.754487	0.545365	0.585502	0.981636	chr10	6233310	6234521	+	0	NA	non-codin	non-codin	30983	NM_004566	5209	Hs.195471	NM_004566	ENSG00000	PFKFB3	IPFK2|PFK	6-phospho	protein-coding
chr10-619	9.640007	0.411471	0.754487	0.545365	0.585502	0.981636	chr10	61902352	61903132	+	0	NA	intron (N	intron (N	1043	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-577	9.640007	0.411471	0.754487	0.545365	0.585502	0.981636	chr12	57784994	57787850	+	0	NA	intron (N	intron (N	3635	NM_001172	10102	Hs.632704	NM_005726	ENSG00000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr2-2275	9.640007	0.411471	0.754487	0.545365	0.585502	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	exon (NM_	exon (NM_	52612	NM_001135	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|F	ArfGAP wi	protein-coding
chr3-4937	9.640007	0.411471	0.754487	0.545365	0.585502	0.981636	chr3	49371575	49373527	+	0	NA	intron (N	AluY|SINE	-13951	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHF	glutathio	protein-coding
chr2-6647	8.938207	-0.42908	0.786869	-0.5453	0.585545	0.981636	chr2	66475545	66476204	+	0	NA	intron (N	intron (N	-35544	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr5-1406	8.938207	-0.42908	0.786869	-0.5453	0.585545	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSc8|SI	5182	NM_002109	3035	Hs.528050	NM_002109	ENSG00000	HARS	CMT2W|HRS	histidyl-	protein-coding
chr1-1991	9.282253	-0.43134	0.791045	-0.54528	0.58556	0.981636	chr1	19912380	19912579	+	0	NA	3’ UTR (N	3’ UTR (N	11138	NM_014589	30814	Hs.272372	NM_014589	ENSG00000	PLA2G2E	GIIE sPLA	phospholi	protein-coding
chr14-731	8.167809	0.468247	0.85874	0.545272	0.585566	0.981636	chr14	73161265	73161561	+	0	NA	intron (N	intron (N	24906	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr22-387	8.946065	-0.4305	0.789629	-0.54519	0.585621	0.981636	chr22	38738711	38739408	+	0	NA	intron (N	intron (N	16407	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr10-792	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr10	79222378	79222738	+	0	NA	intron (N	intron (N	-124911	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr14-311	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr14	31172816	31173392	+	0	NA	intron (N	intron (N	34689	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr15-658	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr15	65880991	65882644	+	0	NA	intron (N	intron (N	12326	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr15-829	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr15	82989703	82990465	+	0	NA	TTS (NM_0	TTS (NM_0	3874	NM_031452	83640	Hs.80624	NM_031452	ENSG00000	RAMAC	C15orf18|	RNA guani	protein-coding
chr2-3945	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr2	39458485	39459480	+	0	NA	intron (N	L1ME1|LIN	21566	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-2060	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	AluY|SINE	42439	NM_017759	54891	Hs.445036	NM_017759	ENSG00000	INO80D	-	INO80 com	protein-coding
chr20-938	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr20	9385453	9386328	+	0	NA	intron (N	SVA_A|Ret	78090	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr20-599	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr20	59942541	59943180	+	0	NA	intron (N	intron (N	2471	NM_001190	63939	Hs.54973	NM_022106	ENSG00000	FAM217B	C20orf177	family wi	protein-coding
chr3-1003	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr3	1E+08	1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10677	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr4-4194	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr4	41944108	41946296	+	0	NA	intron (N	intron (N	9773	NM_018126	55161	Hs.31082	NM_018126	ENSG00000	TMEM33	1600019D1	transmemb	protein-coding
chr4-8296	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr4	82968895	82969876	+	0	NA	intron (N	L2c|LINE|	41438	NR_110253	132660	Hs.96952	NM_194282	ENSG00000	LIN54	CXCDC1|JC	lin-54 DF	protein-coding
chr5-6938	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr5	69386660	69388115	+	0	NA	intron (N	intron (N	15933	NM_133339	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr7-4441	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr7	44419345	44419564	+	0	NA	intron (N	L1PA8|LIN	71204	NM_015332	23386	Hs.488171	NM_015332	ENSG00000	NUDCD3	NudCL	NudC doma	protein-coding
chr7-8174	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr7	81747074	81748753	+	0	NA	intron (N	AluSx|SIN	22134	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr7-1573	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	40596	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-2816	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr8	28160506	28161412	+	0	NA	intron (N	AluSx|SIN	67820	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr8-1406	6.64153	-0.49191	0.902434	-0.54509	0.58569	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L2b|LINE|	20530	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr1-1982	8.88921	-0.43029	0.789614	-0.54494	0.585794	0.981636	chr1	1.98E+08	1.98E+08	+	0	NA	intron (N	L1PBa|LIN	55243	NM_133494	140609	Hs.24119	NM_133494	ENSG00000	NEK7	-	NIMA rela	protein-coding
chr12-928	8.88921	-0.43029	0.789614	-0.54494	0.585794	0.981636	chr12	92856382	92857471	+	0	NA	intron (N	AluJr|SIN	72369	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr17-440	8.88921	-0.43029	0.789614	-0.54494	0.585794	0.981636	chr17	44054497	44054833	+	0	NA	intron (N	intron (N	12006	NM_001371445								
chr2-2075	8.88921	-0.43029	0.789614	-0.54494	0.585794	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluSx1|SI	12843	NM_001371428								
chr6-7527	8.88921	-0.43029	0.789614	-0.54494	0.585794	0.981636	chr6	75271786	75273062	+	0	NA	intron (N	LTR10E|LT	12368	NM_018247	55754	Hs.108530	NM_018247	ENSG00000	TMEM30A	C6orf67|C	transmemb	protein-coding
chr1-2287	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr1	22870824	22873750	+	0	NA	intron (N	MLT1E2|LT	-9061	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr1-6251	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr1	62519897	62520940	+	0	NA	intron (N	L1PA7|LIN	-77102	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANC	angiopoie	protein-coding
chr10-491	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr10	49107143	49107894	+	0	NA	intron (N	intron (N	8004	NM_001031	196740	Hs.522928	NM_144984	ENSG00000	VSTM4	C10orf72	V-set anc	protein-coding
chr10-125	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	12706	NR_110859	26098	Hs.468688	NM_015608	ENSG00000	EDRF1	C10orf137	erythroic	protein-coding
chr11-832	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr11	83209471	83210673	+	0	NA	intron (N	intron (N	16360	NM_001300	338699	Hs.503438	NM_182603	ENSG00000	ANKRD42	PPP1R79|S	ankyrin r	protein-coding
chr11-105	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	Intergeni	MLT1K|LTR	28183	NM_032424	84437	Hs.266782	NM_032424	ENSG00000	MSANTD4	KIAA1826	Myb/SANT	protein-coding
chr11-108	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA3|LIN	54776	NM_003478	8065	Hs.440320	NM_003478	ENSG00000	CUL5	CUL-5|VAC	cullin 5	protein-coding
chr12-112	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-31036	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-950	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr13	95081865	95083042	+	0	NA	intron (N	intron (N	122412	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr14-814	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr14	81475220	81477136	+	0	NA	3’ UTR (N	3’ UTR (N	-26021	NR_109999	1.01E+08	Hs.116304	NR_109999	ENSG00000	LINC02308	-	long inte	ncRNA
chr16-211	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr16	2116113	2117908	+	0	NA	exon (NM_	exon (NM_	-10257	NR_106775	1.02E+08		NR_106775	ENSG00000	MIR6511B1	MIR6511B-	microRNA	ncRNA
chr16-230	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr16	23068292	23069922	+	0	NA	exon (NM_	exon (NM_	80163	NM_020718	57478	Hs.183817	NM_020718	ENSG00000	USP31	-	ubiquitin	protein-coding
chr16-275	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr16	27529980	27531024	+	0	NA	intron (N	intron (N	19411	NM_001520	2975	Hs.371718	NM_001520	ENSG00000	GTF3C1	TFIIIC|TF	general t	protein-coding
chr16-840	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr16	84072905	84075674	+	0	NA	intron (N	AluJb|SIN	-32132	NM_001080	146167		NM_001080	ENSG00000	SLC38A8	FVH2	solute ca	protein-coding
chr17-199	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr17	19945670	19947390	+	0	NA	intron (N	MIR|SINE|	31298	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr19-342	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr19	34213100	34213916	+	0	NA	intron (N	intron (N	41004	NM_001114	26065	Hs.744009	NM_015578	ENSG00000	LSM14A	C19orf13|	LSM14A mR	protein-coding
chr2-1182	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr2	11824642	11825791	+	0	NA	non-codin	non-codin	11770	NR_036226	1E+08		NR_036226	ENSG00000	MIR4262	-	microRNA	ncRNA
chr2-8654	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr2	86548764	86549571	+	0	NA	intron (N	SVA_A|Ret	14276	NM_001005	51652	Hs.591582	NM_016079	ENSG00000	CHMP3	CGI-149|N	charged m	protein-coding
chr20-936	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr20	9363000	9365103	+	0	NA	intron (N	intron (N	56251	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr20-233	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr20	23382996	23384586	+	0	NA	intron (N	L1MB7|LIN	19428	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTE	GDNF indu	protein-coding
chr3-4854	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr3	48546688	48548024	+	0	NA	intron (N	intron (N	2665	NR_106881	1.02E+08		NR_106881	ENSG00000	MIR6823	hsa-mir-6	microRNA	ncRNA
chr3-1224	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5820	NM_019069	54554	Hs.567513	NM_019069	ENSG00000	WDR5B	-	WD repeat	protein-coding
chr3-1789	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	Intergeni	Intergeni	82986	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr4-7550	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr4	75504431	75505391	+	0	NA	intron (N	Looper|DN	4385	NR_103725	25898	Hs.48297	NM_015436	ENSG00000	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr6-1349	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-13454	NM_170771	64577	Hs.486520	NM_022568	ENSG00000	ALDH8A1	ALDH12|DJ	aldehyde	protein-coding
chr7-5547	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr7	55470895	55472628	+	0	NA	3’ UTR (N	3’ UTR (N	55119	NM_001321	81552	Hs.488307	NM_030796	ENSG00000	VOPP1	ECOP|GASF	VOPP1 WW	protein-coding
chr7-1438	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-16541	NR_015421	154761	Hs.716689	NR_015421	ENSG00000	LOC154761	-	family wi	pseudo
chr8-2252	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr8	22529304	22530510	+	0	NA	intron (N	intron (N	-22020	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin an	protein-coding
chr9-3346	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr9	33461315	33462041	+	0	NA	3’ UTR (N	3’ UTR (N	6257	NR_106910	1.02E+08		NR_106910	ENSG00000	MIR6851	hsa-mir-6	microRNA	ncRNA
chr9-1204	6.444176	0.494447	0.907715	0.544716	0.585949	0.981636	chr9	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-163258	NR_029604	406939		NR_029604	ENSG00000	MIR147A	MIR147|MI	microRNA	ncRNA
chr2-9722	11.63163	-0.37826	0.694653	-0.54452	0.586081	0.981636	chr2	97225518	97227190	+	0	NA	intron (N	L1PA3|LIN	-52363	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr1-1788	9.176701	0.429128	0.788388	0.54431	0.586228	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-8023	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGF	angiopoie	protein-coding
chr8-9874	9.143419	0.426358	0.783339	0.544283	0.586246	0.981636	chr8	98746506	98746729	+	0	NA	intron (N	AluJr|SIN	79054	NM_001256	6788	Hs.492333	NM_006281	ENSG00000	STK3	KRS1|MST2	serine/th	protein-coding
chr1-1225	21.88101	0.303715	0.558035	0.544258	0.586264	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1063707	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2317	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (N	MSTA-int|	64528	NR_002227	27184	Hs.720568	NR_002227		DISC2	DISC1-AS1	disrupted	ncRNA
chr11-976	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr11	976659	978237	+	0	NA	intron (N	intron (N	51578	NM_012305	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr11-108	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr11	10871739	10872478	+	0	NA	intron (N	L1M2|LINE	13891	NR_034137	729013	Hs.726427	NR_034137	ENSG00000	ZBED5-AS1	-	ZBED5 ant	ncRNA
chr12-563	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr12	56322486	56323097	+	0	NA	intron (N	intron (N	-6443	NM_001190	10330	Hs.8752	NM_014255	ENSG00000	CNPY2	HP10390|M	canopy FC	protein-coding
chr13-113	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	13108	NM_007111	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr14-242	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr14	24266374	24267981	+	0	NA	intron (N	intron (N	-4000	NM_000359	7051	Hs.508950	NM_000359	ENSG00000	TGM1	ARCI1|ICR	transglut	protein-coding
chr16-863	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr16	8630004	8630417	+	0	NA	intron (N	L2a|LINE|	8512	NR_134608	79091	Hs.306380	NM_024109	ENSG00000	METTL22	C16orf68	methyltra	protein-coding
chr17-802	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr17	80277108	80278995	+	0	NA	intron (N	intron (N	17199	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr19-614	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr19	614895	615687	+	0	NA	intron (N	AluY|SINE	18246	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr19-371	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr19	37104824	37107355	+	0	NA	intron (N	L1PA5|LIN	27656	NM_001329	147923	Hs.444992	NM_144689	ENSG00000	ZNF420	APAK	zinc fing	protein-coding
chr3-1002	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	29195	NM_001199	55773	Hs.477003	NM_018309	ENSG00000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr3-1839	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSc|SIN	54962	NR_039650	1.01E+08		NR_039650	ENSG00000	MIR4448	-	microRNA	ncRNA
chr3-1970	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1ME3A|LI	-27588	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAF	melanotra	protein-coding
chr5-1234	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MC1|LIN	11627	NM_001166	153241	Hs.483209	NM_153223	ENSG00000	CEP120	CCDC100|J	centrosom	protein-coding
chr7-1493	5.955445	0.522203	0.959509	0.54424	0.586276	0.981636	chr7	1493373	1501032	+	0	NA	exon (NM_	exon (NM_	7187	NM_001080	26173	Hs.532188	NM_001080	ENSG00000	INTS1	INT1|NET2	integrato	protein-coding
chr1-1119	5.89859	0.526057	0.966597	0.544236	0.586279	0.981636	chr1	11195966	11196165	+	0	NA	TTS (NM_0	TTS (NM_0	6710	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr17-585	9.094422	0.426959	0.784689	0.544113	0.586364	0.981636	chr17	58508462	58508706	+	0	NA	intron (N	intron (N	9296	NM_004687	9110	Hs.514373	NM_004687	ENSG00000	MTMR4	FYVE-DSP2	myotubula	protein-coding
chr1-6542	8.930349	-0.42763	0.786687	-0.54358	0.586731	0.981636	chr1	65426490	65427961	+	0	NA	intron (N	MIRc|SINE	6509	NM_001198	54741	Hs.23581	NM_017526	ENSG00000	LEPROT	LEPR|OB-R	leptin re	protein-coding
chr3-1703	8.930349	-0.42763	0.786687	-0.54358	0.586731	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	27148	NM_001248	6498	Hs.536655	NM_005414	ENSG00000	SKIL	SNO|SnoA|	SKI like	protein-coding
chr12-336	6.436318	0.496875	0.914172	0.543524	0.586769	0.981636	chr12	336259	337066	+	0	NA	intron (N	AluSz|SIN	52658	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr2-2067	6.436318	0.496875	0.914172	0.543524	0.586769	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	intron (N	L1MB1|LIN	-3327	NR_036078	1E+08		NR_036078	ENSG00000	MIR3130-2	MIR3130-4	microRNA	ncRNA
chr9-9877	6.436318	0.496875	0.914172	0.543524	0.586769	0.981636	chr9	98771786	98772500	+	0	NA	intron (N	MLT1D|LTR	24412	NM_173551	203286	Hs.406890	NM_173551	ENSG00000	ANKS6	ANKRD14|N	ankyrin r	protein-coding
chrX-7137	6.436318	0.496875	0.914172	0.543524	0.586769	0.981636	chrX	71376929	71379173	+	0	NA	intron (N	intron (N	11694	NR_104387	6872	Hs.158560	NM_004606	ENSG00000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr16-311	12.10094	-0.3684	0.677905	-0.54345	0.586823	0.981636	chr16	31182880	31197143	+	0	NA	intron (N	intron (N	9901	NM_001170	2521	Hs.46894	NM_004960	ENSG00000	FUS	ALS6|ETM4	FUS RNA b	protein-coding
chr4-1028	10.69189	0.392115	0.721895	0.543175	0.587009	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	promoter-	promoter-	-194	NM_001300	7323	Hs.518773	NM_003340	ENSG00000	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chr10-737	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr10	73723586	73727886	+	0	NA	intron (N	intron (N	4770	NR_160426	1.14E+08		NR_160425		BMS1P4-AC	-	BMS1P4-AC	pseudo
chr10-996	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr10	99690990	99692380	+	0	NA	intron (N	MIR|SINE|	32056	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr12-110	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	3196	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAF	ATPase sa	protein-coding
chr13-499	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr13	49916695	49917336	+	0	NA	intron (N	intron (N	19325	NM_020456	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|C	SPRY doma	protein-coding
chr19-241	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr19	24106479	24109103	+	0	NA	TTS (NM_0	TTS (NM_0	20604	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr19-450	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr19	45090247	45090727	+	0	NA	promoter-	promoter-	-96	NR_134887	1.05E+08	Hs.662696	NR_134887	ENSG00000	GEMIN7-AS	-	GEMIN7 an	ncRNA
chr6-5658	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr6	56584139	56587390	+	0	NA	intron (N	L1PA4|LIN	57125	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr8-6665	9.358524	-0.41468	0.763811	-0.54291	0.587193	0.981636	chr8	66650358	66650992	+	0	NA	intron (N	intron (N	16556	NM_025054	80124	Hs.632066	NM_025054	ENSG00000	VCPIP1	DUBA3|VCI	valosin c	protein-coding
chr1-1040	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr1	10401830	10414948	+	0	NA	intron (N	intron (N	9325	NM_001304	5226	Hs.464071	NM_002631	ENSG00000	PGD	6PGD	phosphogl	protein-coding
chr1-3348	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr1	33488820	33496733	+	0	NA	intron (N	AluSc|SIN	20131	NM_145238	7579	Hs.442705	NM_145238	ENSG00000	ZSCAN20	KOX29|ZFF	zinc fing	protein-coding
chr1-1508	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-23211	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTSO2|CTS	cathepsin	protein-coding
chr1-1799	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluY|SINE	26967	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr11-659	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr11	65964690	65968086	+	0	NA	exon (NM_	exon (NM_	4654	NM_005146	9092	Hs.502883	NM_005146	ENSG00000	SART1	Ara1|HAF|	spliceoso	protein-coding
chr16-667	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr16	66722737	66728020	+	0	NA	intron (N	AluSq2|SI	26231	NM_006141	1783	Hs.369068	NM_006141	ENSG00000	DYNC1LI2	DNCLI2|LI	dynein cy	protein-coding
chr17-388	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr17	38803060	38807097	+	0	NA	intron (N	AluSp|SIN	-5173	NM_003559	8396	Hs.260603	NM_003559	ENSG00000	PIP4K2B	PI5P4KB|F	phosphati	protein-coding

chr17-399	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr17	39983754	39996546	+	0	NA	exon (NM_	exon (NM_	9343	NM_002809	5709	Hs.12970	NM_002809	ENSG0000C	PSMD3	P58|RPN3|	proteasom	protein-coding
chr19-259	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr19	25995177	25995652	+	0	NA	Intergeni	ALR/Alpha	-1798017	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000C	LOC101927-	-	uncharact	ncRNA
chr19-477	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr19	47701282	47702714	+	0	NA	exon (NM_	exon (NM_	-11424	NM_014601	30846	Hs.744963	NM_014601	ENSG0000C	EHD2	PAST2	EH domain	protein-coding
chr2-1053	10.17773	0.398975	0.734925	0.542878	0.587214	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9436	NM_001286	79074	Hs.549577	NM_024093	ENSG0000C	C2orf49	asw	chromosom	protein-coding
chr1-6674	9.389956	-0.42034	0.7743	-0.54287	0.58722	0.981636	chr1	66742960	66743269	+	0	NA	3’ UTR (N	3’ UTR (N	-9345	NM_152665	200132	Hs.479226	NM_152665	ENSG0000C	TCTEX1D1	-	Tctex1 dc	protein-coding
chr20-213	5.922164	0.51814	0.955188	0.542449	0.587509	0.981636	chr20	21365546	21366689	+	0	NA	intron (N	(TA)n|Sim	31409	NM_033176	644524		NM_033176	ENSG0000C	NKX2-4	NKX2.4|NK	NK2 homec	protein-coding
chr3-8153	5.922164	0.51814	0.955188	0.542449	0.587509	0.981636	chr3	81532035	81534365	+	0	NA	intron (N	intron (N	228445	NM_000158	2632	Hs.436062	NM_000158	ENSG0000C	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr3-1136	5.922164	0.51814	0.955188	0.542449	0.587509	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	22592	NM_001009	205717	Hs.632570	NM_001009	ENSG0000C	USF3	KIAA2018	upstream	protein-coding
chr5-1791	5.922164	0.51814	0.955188	0.542449	0.587509	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	67260	NM_014594	30832	Hs.272328	NM_014594	ENSG0000C	ZNF354C	KID3	zinc fing	protein-coding
chr7-5489	5.922164	0.51814	0.955188	0.542449	0.587509	0.981636	chr7	5489097	5491121	+	0	NA	exon (NM_	exon (NM_	5808	NR_030318	693174		NR_030318	ENSG0000C	MIR589	MIRN589|h	microRNA	ncRNA
chr19-404	10.21102	0.401559	0.740366	0.542379	0.587557	0.981636	chr19	4047126	4048424	+	0	NA	exon (NM_	exon (NM_	17754	NM_001317	51341	Hs.591384	NM_015898	ENSG0000C	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr11-356	6.582825	-0.50556	0.932118	-0.54237	0.587561	0.981636	chr11	35665123	35665701	+	0	NA	intron (N	L1ME3B|LI	2637	NM_017583	54765	Hs.192103	NM_017583	ENSG0000C	TRIM44	AN3|DIPB|	tripartit	protein-coding
chr1-2853	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr1	28536319	28537056	+	0	NA	intron (N	intron (N	-16330	NR_003109	54952	Hs.533626	NM_017846	ENSG0000C	TRNAU1AP	PRO1902|S	tRNA sele	protein-coding
chr1-2917	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr1	29178254	29179435	+	0	NA	intron (N	intron (N	3056	NM_005626	6429	Hs.469970	NM_005626	ENSG0000C	SRSF4	SFRS4|SRF	serine ar	protein-coding
chr1-5181	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr1	51811324	51813302	+	0	NA	intron (N	AluJb|SIN	24089	NR_031580	1E+08		NR_031580	ENSG0000C	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-2254	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25615	NM_002296	3930	Hs.435166	NM_002296	ENSG0000C	LBR	C14SR|DHC	lamin B r	protein-coding
chr10-124	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	Tigger3a|	14039	NM_212554	399818	Hs.720819	NM_212554	ENSG0000C	EEF1AKMT2	C10orf138	EEF1A lys	protein-coding
chr11-351	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr11	35168795	35169734	+	0	NA	intron (N	L2b|LINE|	6314	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr12-327	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr12	32725719	32727287	+	0	NA	intron (N	(TTC)n|Si	29394	NM_001040	51067	Hs.505231	NM_015936	ENSG0000C	YARS2	CGI-04|MI	tyrosyl-t	protein-coding
chr12-640	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr12	64071176	64071725	+	0	NA	intron (N	L2b|LINE|	150846	NM_001300	144577	Hs.444671	NM_152440	ENSG0000C	C12orf66	-	chromosom	protein-coding
chr12-105	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	45440	NM_152318	121053	Hs.295563	NM_152318	ENSG0000C	C12orf45	-	chromosom	protein-coding
chr12-107	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	L1M4|LINE	16079	NM_001317	11137	Hs.506652	NM_007062	ENSG0000C	PWP1	IEF-SSP-9	PWP1 homc	protein-coding
chr13-454	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr13	45409629	45410025	+	0	NA	intron (N	AluSx1|SI	-8335	NR_047031	1.01E+08	Hs.658038	NR_047031	ENSG0000C	SLC25A30-	-	SLC25A30	ncRNA
chr14-100	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	287	NR_003205	767590		NR_003205	ENSG0000C	SNORD114-	14q(II-12	small nuc	snoRNA
chr18-256	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr18	256462	259677	+	0	NA	intron (N	L1MEg|LIN	9978	NM_005131	9984	Hs.712543	NM_005131	ENSG0000C	THOC1	HPR1|P84|	THO compl	protein-coding
chr2-6121	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr2	61218280	61220111	+	0	NA	intron (N	L1MC3|LIN	41777	NR_152211	130872	Hs.655602	NM_152392	ENSG0000C	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-6652	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr2	66520424	66521505	+	0	NA	intron (N	intron (N	-53066	NR_110156	1.01E+08	Hs.667940	NR_110156	ENSG0000C	LINC01798	-	long inte	ncRNA
chr2-2017	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSx1|SI	-4478	NM_033066	58538	Hs.63085	NM_033066	ENSG0000C	MPP4	ALS2CR5|I	membrane	protein-coding
chr22-278	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr22	27890773	27893179	+	0	NA	intron (N	MIR|SINE|	27238	NM_001284	23760	Hs.705323	NM_012399	ENSG0000C	PITPNB	PI-TP-bet	phosphati	protein-coding
chr3-1155	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr3	11554721	11557553	+	0	NA	TTS (NM_C	TTS (NM_C	12661	NM_001128	9686	Hs.740389	NM_014667	ENSG0000C	VGLL4	VGL-4	vestigial	protein-coding
chr3-2730	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr3	27304311	27305168	+	0	NA	intron (N	intron (N	64644	NM_199347	152110	Hs.506115	NM_152534	ENSG0000C	NEK10	-	NIMA rela	protein-coding
chr3-1361	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	49397	NM_001145	55167	Hs.18631	NM_018133	ENSG0000C	MSL2	MSL-2|MSL	MSL compl	protein-coding
chr3-1971	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	exon (NM_	exon (NM_	47281	NM_001366	1739	Hs.292549	NM_004087	ENSG0000C	DLG1	DLGH1|SAF	discs lar	protein-coding
chr5-1646	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr5	16461712	16462923	+	0	NA	intron (N	intron (N	3483	NM_033414	90441	Hs.60300	NM_033414	ENSG0000C	ZNF622	ZPR9	zinc fing	protein-coding
chr5-6911	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr5	69118625	69120734	+	0	NA	intron (N	L1ME3G|LI	25665	NM_022902	64924	Hs.631975	NM_022902	ENSG0000C	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-1314	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	AluJr|SIN	164352	NM_001038	56990	Hs.508829	NM_020240	ENSG0000C	CDC42SE2	SPEC2	CDC42 sma	protein-coding
chr5-1464	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	31662	NM_194251	134391	Hs.483732	NM_194251	ENSG0000C	GPR151	GALR4|GAL	G protein	protein-coding
chr7-2296	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr7	22969838	22970973	+	0	NA	intron (N	L2a|LINE|	43725	NM_032581	84668	Hs.85603	NM_032581	ENSG0000C	FAM126A	DRCTNNB1A	family wi	protein-coding
chr7-2332	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr7	23323930	23329564	+	0	NA	intron (N	L1PA3|LIN	27408	NM_138446	115416	Hs.87385	NM_138446	ENSG0000C	MALSU1	C7orf30|m	mitochonc	protein-coding
chr7-3001	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr7	30016586	30019151	+	0	NA	intron (N	AluSx4|SI	8834	NR_046479	55033	Hs.390838	NM_017946	ENSG0000C	FKBP14	EDSKMH|EI	FKBP prol	protein-coding
chr8-4792	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr8	47925322	47927867	+	0	NA	intron (N	intron (N	33542	NM_001081	5591	Hs.491682	NM_006904	ENSG0000C	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-6708	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr8	67086290	67088992	+	0	NA	intron (N	intron (N	3793	NM_001291	79848	Hs.370147	NM_024790	ENSG0000C	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-1002	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr8	1E+08	1E+08	+	0	NA	intron (N	intron (N	13805	NM_001353	25897	Hs.292882	NM_015435	ENSG0000C	RNF19A	RNF19	ring fing	protein-coding
chr8-1405	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx1|SI	51860	NM_001164	27161	Hs.660189	NM_012154	ENSG0000C	AGO2	CASC7|EIF	argonaute	protein-coding
chr9-1543	6.674811	-0.48637	0.896868	-0.5423	0.58761	0.981636	chr9	15437258	15440643	+	0	NA	intron (N	L1MB4|LIN	16074	NR_161442	6619	Hs.546299	NM_003084	ENSG0000C	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr8-6717	7.5968	0.484871	0.894157	0.542266	0.587635	0.981636	chr8	67174620	67174990	+	0	NA	intron (N	intron (N	90957	NM_001291	79848	Hs.370147	NM_024790	ENSG0000C	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr11-618	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr11	61875737	61877593	+	0	NA	intron (N	intron (N	1613	NR_106804	1.02E+08		NR_106804	ENSG0000C	MIR6746	hsa-mir-6	microRNA	ncRNA
chr11-126	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	3995	NR_037647	55572	Hs.317190	NM_017547	ENSG0000C	FOXRED1	FP634|H17	FAD deper	protein-coding
chr19-552	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr19	55234030	55234852	+	0	NA	intron (N	L1M4|LINE	-3489	NR_106862	1.02E+08		NR_106862	ENSG0000C	MIR6804	hsa-mir-6	microRNA	ncRNA
chr2-2303	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	Tigger1|I	-42473	NM_001206	6672	Hs.369056	NM_003113	ENSG0000C	SP100	lysp100b	SP100 nuc	protein-coding
chr4-1650	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr4	16507718	16508193	+	0	NA	intron (N	intron (N	281292	NR_027697	202020	Hs.445315	NM_152684	ENSG0000C	TAPT1-AS1	-	TAPT1 ant	ncRNA
chr6-1082	6.485315	0.49588	0.914677	0.542137	0.587724	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	41763	NM_001300	8724	Hs.12102	NM_003795	ENSG0000C	SNX3	Grd19|MCC	sorting r	protein-coding
chr1-1677	9.739852	0.419542	0.774015	0.542033	0.587795	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	50697	NM_024569	9019	Hs.493919	NM_003953	ENSG0000C	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr1-9747	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	9747662	9749745	+	0	NA	intron (N	AluSx|SIN	57236	NM_001350	5293	Hs.518451	NM_005026	ENSG0000C	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-2860	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	28609018	28610173	+	0	NA	intron (N	AluSx|SIN	17100	NM_001193	115273	Hs.652321	NM_152304	ENSG0000C	RAB42	-	RAB42, me	protein-coding
chr1-1136	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MA3|LIN	130285	NM_006608	10745	Hs.655824	NM_006608	ENSG0000C	PHTF1	PHTF	putative	protein-coding
chr1-1440	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-82966	NR_144349	554282		NM_001287	ENSG0000C	FAM72C	-	family wi	protein-coding
chr1-1516	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	TTS (NM_C	TTS (NM_C	16726	NM_001172	11189	Hs.26047	NM_007185	ENSG0000C	CELF3	BRUNOL1|C	CUGBP Ela	protein-coding
chr1-1800	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-64134	NM_001004	5768	Hs.719176	NM_002826	ENSG0000C	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-1839	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	3’ UTR (N	3’ UTR (N	110737	NM_001303	23127	Hs.387995	NM_015101	ENSG0000C	COLGALT2	C1orf17|C	collagen	protein-coding
chr10-598	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr10	59804138	59805434	+	0	NA	intron (N	intron (N	-51331	NM_001304	1.01E+08	Hs.648790	NM_001304	ENSG0000C	MRLN	LINC00948	myoreguli	protein-coding
chr10-982	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr10	98236033	98237267	+	0	NA	intron (N	intron (N	31544	NM_032211	84171	Hs.306814	NM_032211	ENSG0000C	LOXL4	LOXC	lysyl oxi	protein-coding
chr11-686	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr11	68610537	68613386	+	0	NA	intron (N	intron (N	-72583	NM_015973	51083	Hs.278959	NM_015973	ENSG0000C	GAL	ETL8|GAL-	galanin a	protein-coding
chr11-726	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr11	72687545	72689139	+	0	NA	intron (N	MER5A|DNA	-12132	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG0000C	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr11-124	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	AluYa5|SI	20303	NM_001130	4013	Hs.152944	NM_014622	ENSG0000C	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr12-468	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr12	4687011	4688251	+	0	NA	3’ UTR (N	3’ UTR (N	32471	NR_110112	1.02E+08	Hs.663336	NR_110112	ENSG0000C	GAU1	GALNT8-DT	GALNT8 ar	ncRNA
chr12-100	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	L1MA2|LIN	34830	NM_001330	55681	Hs.506481	NM_017988	ENSG0000C	SCYL2	CVAK104	SCY1 like	protein-coding
chr12-123	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	MIRc|SINE	52138	NR_103517	10198	Hs.577404	NM_022782	ENSG0000C	MPHOSPH9	MPP-9|MPF	M-phase p	protein-coding
chr13-244	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr13	24419008	24420650	+	0	NA	Intergeni	LTR22C|LT	88379	NR_131903	1.01E+08	Hs.585625	NR_131903	ENSG0000C	LINC00566	-	long inte	ncRNA
chr13-244	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr13	24435647	24436714	+	0	NA	intron (N	intron (N	76598	NM_006437	143	Hs.744855	NM_006437	ENSG0000C	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-204	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr14	20404627	20408210	+	0	NA	intron (N	intron (N	7083	NM_007110	7011	Hs.508835	NM_007110	ENSG0000C	TEP1	TLP1|TP1|	telomeras	protein-coding
chr14-760	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr14	76017390	76020102	+	0	NA	intron (N	L1M2|LINE	32983	NM_001255	112752	Hs.532626	NM_052873	ENSG0000C	IFT43	C14orf179	intraflag	protein-coding
chr15-649	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr15	64969381	64971135	+	0	NA	intron (N	intron (N	19212	NM_001127	51324	Hs.242458	NM_016630	ENSG0000C	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr15-891	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr15	89190323	89195400	+	0	NA	intron (N	intron (N	28718	NM_000326	6017	Hs.1933	NM_000326	ENSG0000C	RLBP1	CRALBP	retinalde	protein-coding
chr16-313	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr16	3138412	3139063	+	0	NA	intron (N	intron (N	3708	NR_104432	7760	Hs.115284	NM_004220	ENSG0000C	ZNF213	CR53|ZKSC	zinc fing	protein-coding
chr17-178	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr17	17880535	17884709	+	0	NA	intron (N	L2b|LINE|	-45611	NM_004176	6720	Hs.592123	NM_004176	ENSG0000C	SREBF1	SREBP1|bH	sterol re	protein-coding
chr17-276	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr17	27619744	27621716	+	0	NA	intron (N	intron (N	-10458	NM_002308	3965	Hs.81337	NM_002308	ENSG0000C	LGALS9	HUAT|LGAL	galectin	protein-coding
chr19-279	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr19	2799613	2800688	+	0	NA	intron (N	intron (N	14647	NM_003249	7064	Hs.78769	NM_003249	ENSG0000C	THOP1	EP24.15|M	thimet ol	protein-coding
chr19-448	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr19	4481565	4483695	+	0	NA	intron (N	intron (N	8676	NM_001348	84717	Hs.43071	NM_032631	ENSG0000C	HDGFL2	HDGF-2|HI	HDGF like	protein-coding
chr19-368	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr19	36853466	36857565	+	0	NA	intron (N	AluSp|SIN	3864	NM_001242	25850	Hs.362324	NM_003419	ENSG0000C	ZNF345	HZF10	zinc fing	protein-coding
chr19-497	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr19	49708368	49711668	+	0	NA	intron (N	AluSx3|SI	18902	NR_108072	126129	Hs.112195	NM_152359	ENSG0000C	CPT1C	CATL1|CPT	carnitine	protein-coding
chr19-555	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr19	55513235	55513633	+	0	NA	intron (N	AluJb|SIN	23699	NM_001370	646643	Hs.532676	NM_001101	ENSG0000C	SBK2	SGK069	SH3 domai	protein-coding
chr20-380	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr20	38077645	38078373	+	0	NA	intron (N	AluJb|SIN	44263	NM_021215	58490	Hs.278839	NM_021215	ENSG0000C	RPRD1B	C20orf77|	regulatic	protein-coding
chr21-466	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr21	46664517	46665152	+	0	NA	3’ UTR (N	3’ UTR (N	29160	NM_206962	3275	Hs.154163	NM_001535	ENSG0000C	PRMT2	HRMT1L1	protein a	protein-coding
chr22-216	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr22	21685910	21687337	+	0	NA	intron (N	intron (N	20611	NM_148175	23759	Hs.438587	NM_014337	ENSG0000C	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr22-295	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr22	29505728	29509913	+	0	NA	TTS (NM_C	TTS (NM_C	27602	NM_021076	4744	Hs.198760	NM_021076	ENSG0000C	NEFH	CMT2CC|NF	neurofila	protein-coding
chr22-466	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr22	46687765	46690214	+	0	NA	intron (N	intron (N	49263	NM_022766	64781	Hs.200668	NM_022766	ENSG0000C	CERK	LK4|dA59H	ceramide	protein-coding
chr3-4718	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr3	47180059	47182035	+	0	NA	intron (N	LTR23|LTR	16677	NR_033373	285352	Hs.570631	NR_033373		KIF9-AS1	-	KIF9 anti	ncRNA
chr3-4829	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr3	48293224	48296164	+	0	NA	exon (NM_	exon (NM_	-3016	NR_134638	1.01E+08	Hs.670746	NR_134638		FCF1P2	-	FCF1 pseu	pseudo
chr3-1231	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-11161	NR_106960	1.02E+08		NR_106960	ENSG0000C	MIR7110	hsa-mir-7	microRNA	ncRNA
chr3-1936	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	-41865	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG0000C	OPA1-AS1	-	OPA1 anti	ncRNA
chr4-1332	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr4	1332603	1332913	+	0	NA	exon (NM_	exon (NM_	-14450	NM_020894	57654	Hs.380475	NM_020894	ENSG0000C	UVSSA	KIAA1530|	UV stimul	protein-coding
chr4-5783	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr4	5783716	5784478	+	0	NA	intron (N	HAL1|LINE	72896	NM_153717	2121	Hs.646899	NM_014556	ENSG0000C	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr6-1332	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr6	13323506	13325260	+	0	NA	intron (N	AluSc8|SI	4154	NM_001318	51256	Hs.484678	NM_016495	ENSG0000C	TBC1D7	MGCPH|PIC	TBC1 doma	protein-coding
chr6-3063	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr6	30637262	30637842	+	0	NA	intron (N	AluSx|SIN	-9581	NM_001109	221545	Hs.591787	NM_145029	ENSG0000C	C6orf136	-	chromosom	protein-coding
chr6-4264	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr6	42647473	42648082	+	0	NA	intron (N	intron (N	74820	NM_000322	5961	Hs.654489	NM_000322	ENSG0000C	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-4304	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr6	43042180	43043061	+	0	NA	intron (N	AluSx|SIN	11325	NM_001168	9820	Hs.520136	NM_014780	ENSG0000C	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr7-6747	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr7	6747091	6750579	+	0	NA	intron (N	L2a|LINE|	-5274	NM_173565	222967	Hs.442339	NM_173565	ENSG0000C	RSPH10B	-	radial sp	protein-coding
chr7-1288	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9570	NM_001367	64753	Hs.521178	NM_022742	ENSG0000C	CCDC136	NAG6	coiled-cc	protein-coding
chr7-1403	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSx|SIN	43171	NM_001363	84255	Hs.446021	NM_032295	ENSG0000C	SLC37A3	-	solute ca	protein-coding
chr9-3500	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr9	35009734	35013140	+	0	NA	Intergeni	L1M4|LINE	21147	NM_001135	25822	Hs.237506	NM_012266	ENSG0000C	DNAJB5	Hsc40	DnaJ heat	protein-coding
chr9-9653	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr9	96536114	96537887	+	0	NA	intron (N	intron (N	29831	NM_001351	8555	Hs.40582	NM_003671	ENSG0000C	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-1248	6.452034	0.492046	0.907787	0.542028	0.587799	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L2a|LINE|	23550	NM_030978	81873	Hs.132499	NM_030978	ENSG0000C	ARPC5L	ARC16-2	actin rel	protein-coding
chr12-101	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	35170	NM_001177	400	Hs.372616	NM_001177	ENSG0000C	ARL1	ARFL1	ADP ribos	protein-coding
chr15-348	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr15	34855751	34857043	+	0	NA	3’ UTR (N	3’ UTR (N	-60848	NM_005159	70	Hs.118127	NM_005159	ENSG0000C	ACTC1	ACTC|ASD5	actin alp	protein-coding
chr16-746	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr16	74638408	74639941	+	0	NA	intron (N	AluSx1|SI	27703	NM_018124	55159	Hs.567525	NM_018124	ENSG0000C	RFWD3	FANCW|RNF	ring fing	protein-coding
chr2-2583	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr2	25833517	25834385	+	0	NA	intron (N	intron (N	-3050	NM_001369	55252	Hs.119815	NM_018263	ENSG0000C	ASXL2	ASXH2|SHA	ASXL trar	protein-coding
chr22-243	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr22	24338960	24339712	+	0	NA	intron (N	MLT1H|LTF	-2772	NM_001254	23384	Hs.474384	NM_015330	ENSG0000C	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-1277	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	45027	NM_007283	11343	Hs.277035	NM_007283	ENSG0000C	MGLL	HU-K5|HUK	monoglyce	protein-coding
chr4-2889	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr4	2889050	2889973	+	0	NA	intron (N	L1ME3D|LI	44726	NM_001120	10227	Hs.632581	NM_001120	ENSG0000C	MFSD10	TETRAN|TE	major fac	protein-coding
chr4-7122	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr4	71225103	71225529	+	0	NA	intron (N	AluSx|SIN	38030	NM_001134	8671	Hs.5462	NM_003759	ENSG0000C	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr5-2443	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr5	244359	245125	+	0	NA	intron (N	HERVK9-ir	26422	NM_004168	6389	Hs.440475	NM_004168	ENSG0000C	SDHA	CMD1GG|FF	succinate	protein-coding
chr5-1029	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PB1|LIN	81595	NM_000919	5066	Hs.369430	NM_000919	ENSG0000C	PAM	PAL|PHM	peptidylg	protein-coding
chr6-2044	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr6	20442941	20445284	+	0	NA	intron (N	AluJb|SIN	40433	NM_001243	1871	Hs.269408	NM_001949	ENSG0000C	E2F3	E2F-3	E2F trans	protein-coding
chr7-4444	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr7	44446698	44447620	+	0	NA	intron (N	intron (N	43499	NM_015332	23386	Hs.488171	NM_015332	ENSG0000C	NUDCD3	NudCL	NudC doma	protein-coding
chr7-6500	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr7	65003254	65003665	+	0	NA	TTS (NR_1	TTS (NR_1	3228	NM_001007	2086	Hs.250693	NM_001007	ENSG0000C	ERV3-1	ERV-R|ERV	endogenou	protein-coding
chr7-1396	4.444697	-0.59373	1.095643	-0.5419	0.587889	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	104601	NM_001113	28996	Hs.731417	NM_022740	ENSG0000C	HIPK2	PRO0593	homeodoma	protein-coding
chr12-542	12.09308	-0.36731	0.678521	-0.54134	0.588275	0.981636	chr12	54281266	54287948	+	0	NA	3’ UTR (N	3’ UTR (N	3881	NM_031157	3178	Hs.546261	NM_002136	ENSG0000C	HNRNPA1	ALS19|ALS	heteroger	protein-coding
chr9-1104	12.09308	-0.36731	0.678521	-0.54134	0.588275	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-110631	NM_001286	255220	Hs.147064	NM_001003	ENSG0000C	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1156	9.681147	0.412473	0.761995	0.541307	0.588296	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	MIRb|SINE	25655	NM_001172	81839	Hs.515130	NM_138959	ENSG0000C	VANGL1	KITENIN|I	VANGL pla	protein-coding
chr12-498	9.681147	0.412473	0.761995	0.541307	0.588296	0.981636	chr12	49804795	49806033	+	0	NA	intron (N	intron (N	22999	NM_001368	57701	Hs.143067	NM_001037	ENSG0000C	NCKAP5L	Cep169|FF	NCK assoc	protein-coding
chr7-1071	9.681147	0.412473	0.761995	0.541307	0.588296	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	13933	NM_012257	26959	Hs.162032	NM_012257	ENSG0000C	HBP1	-	HMG-box t	protein-coding
chrX-1045	9.681147	0.412473	0.761995	0.541307	0.588296	0.981636	chrX	10454629	10454851	+	0	NA	intron (N	intron (N	112863	NM_001193	4281	Hs.27695	NM_000381	ENSG0000C	MID1	BBBG1|FXY	midline 1	protein-coding

chr1-9152	10.68403	0.393666	0.727443	0.541164	0.588395	0.981636	chr1	9152068	9152267	+	0	NA	promoter-	promoter-	-390	NR_029610	407040		NR_029610	ENSG00000	MIR34A	MIRN34A|m	microRNA	ncRNA
chr8-1245	10.68403	0.393666	0.727443	0.541164	0.588395	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	14174	NM_005005	4715	Hs.15977	NM_005005	ENSG00000	NDUFB9	B22|CI-B2	NADH:ubic	protein-coding
chr1-1247	14.89476	0.335417	0.619864	0.541114	0.588429	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3210979	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-519	14.89476	0.335417	0.619864	0.541114	0.588429	0.981636	chr11	51965636	51966224	+	0	NA	Intergeni	ALR/Alpha	1556783	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-2361	3.735224	0.643333	1.189587	0.540804	0.588643	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	42758	NM_003272	7107	Hs.498160	NM_003272	ENSG00000	GPR137B	TM7SF1	G protein	protein-coding
chr12-476	8.822646	-0.4387	0.811342	-0.54071	0.588707	0.981636	chr12	47661914	47662113	+	0	NA	TTS (NM_0	TTS (NM_0	44017	NM_024604	79657	Hs.437855	NM_024604	ENSG00000	RPAP3	Tah1|hSpa	RNA polym	protein-coding
chr11-463	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr11	46308733	46314674	+	0	NA	intron (N	AluSc|SIN	-21223	NM_201532	8525	Hs.502461	NM_003646	ENSG00000	DGKZ	DAGK5|DAG	diacylgly	protein-coding
chr19-583	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr19	58388250	58391922	+	0	NA	intron (N	AluSq2|SI	2817	NM_001009	6193	Hs.378103	NM_001009	ENSG00000	RPS5	S5	ribosomal	protein-coding
chr20-354	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr20	35469829	35470544	+	0	NA	intron (N	L2a|LINE|	10203	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr3-1225	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-16666	NM_002264	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr4-3869	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr4	38694183	38698006	+	0	NA	intron (N	Tigger20a	-31466	NR_026804	79667	Hs.29725	NM_024614	ENSG00000	KLF3-AS1	-	KLF3 anti	ncRNA
chr5-6237	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr5	62373887	62374247	+	0	NA	intron (N	AluJr|SIN	29838	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-6925	9.399664	-0.41217	0.762958	-0.54023	0.589037	0.981636	chr5	69259789	69260962	+	0	NA	intron (N	AluSx3|SI	25489	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr7-7472	8.922491	-0.42612	0.789086	-0.54002	0.589187	0.981636	chr7	74721087	74722002	+	0	NA	intron (N	(AT)n|Sim	7374	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr4-1025	7.024893	0.484244	0.896939	0.539885	0.589277	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	-76460	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr21-157	8.468893	-0.44587	0.825873	-0.53988	0.589279	0.981636	chr21	15781992	15782510	+	0	NA	intron (N	L1M2|LINE	52269	NM_001352	29761	Hs.743994	NM_013396	ENSG00000	USP25	USP21	ubiquitin	protein-coding
chr12-530	6.138934	-0.5267	0.975773	-0.53978	0.58935	0.981636	chr12	53008822	53009197	+	0	NA	intron (N	AluSg|SIN	2553	NM_001330	1975	Hs.648394	NM_001417	ENSG00000	EIF4B	EIF-4B|PR	eukaryoti	protein-coding
chr17-752	10.14445	0.396395	0.73482	0.539445	0.58958	0.981636	chr17	75239737	75240285	+	0	NA	exon (NM_	exon (NM_	21595	NM_014001	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr19-347	10.14445	0.396395	0.73482	0.539445	0.58958	0.981636	chr19	34737987	34742300	+	0	NA	intron (N	intron (N	5900	NM_001029	339318	Hs.720472	NM_001029	ENSG00000	ZNF181	HHZ181	zinc fing	protein-coding
chr7-7647	10.14445	0.396395	0.73482	0.539445	0.58958	0.981636	chr7	76470565	76471901	+	0	NA	non-codin	non-codin	3767	NR_003262	619190	Hs.609978	NR_003262		FDPSP2	FDPSL2|FD	farnesyl	pseudo
chr1-3230	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr1	32302908	32306068	+	0	NA	intron (N	AluJr|SIN	12405	NM_004964	3065	Hs.88556	NM_004964	ENSG00000	HDAC1	GON-10|HD	histone d	protein-coding
chr1-1788	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluJr|SIN	47999	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr11-120	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-44778	NM_014619	2900	Hs.538738	NM_014619	ENSG00000	GRIK4	EAA1|GRIK	glutamate	protein-coding
chr14-582	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr14	58292810	58295644	+	0	NA	intron (N	HSMAR1|DN	3910	NR_029434	379025	Hs.531089	NR_029434	ENSG00000	PSMA3-AS1	-	PSMA3 ant	ncRNA
chr15-632	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr15	63259681	63261955	+	0	NA	intron (N	intron (N	-16732	NM_001145	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr16-162	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr16	16272594	16273781	+	0	NA	intron (N	L2a|LINE|	-26972	NR_128709	1.04E+08		NR_128709	ENSG00000	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr22-388	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr22	38865892	38866799	+	0	NA	exon (NM_	exon (NM_	5871	NM_001303	23466	Hs.592201	NM_014292	ENSG00000	CBX6	-	chromobox	protein-coding
chr3-2744	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr3	27448109	27449200	+	0	NA	non-codin	non-codin	8124	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr3-1237	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	90327	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-1865	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	Intergeni	MLT1E1A|L	-28818	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonin	protein-coding
chr5-1220	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr5	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	6709	NM_001317	4015	Hs.102267	NM_002317	ENSG00000	LOX	AAT10	lysyl oxi	protein-coding
chr5-1283	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	226321	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr6-2891	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr6	28915229	28921438	+	0	NA	intron (N	L2|LINE|L	5652	NM_006510	5987	Hs.440382	NM_006510	ENSG00000	TRIM27	RFP|RNF76	tripartit	protein-coding
chr6-3651	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr6	36519940	36521412	+	0	NA	intron (N	intron (N	26803	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr8-4298	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr8	42988619	42993140	+	0	NA	intron (N	L1MA3|LIN	-65420	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-2721	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr9	27217085	27226473	+	0	NA	intron (N	L1PA7|LIN	61014	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-1114	9.391806	-0.4108	0.761577	-0.5394	0.589609	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJb|SIN	-76667	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRH0	olfactory	protein-coding
chr1-2008	10.12874	0.399446	0.740568	0.539378	0.589626	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-19183	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G protein	protein-coding
chr16-675	9.407522	-0.41356	0.766753	-0.53937	0.589634	0.981636	chr16	67543110	67543499	+	0	NA	intron (N	intron (N	5842	NM_001193	79567	Hs.152717	NM_024519	ENSG00000	RIPOR1	FAM65A	RHO famil	protein-coding
chr7-1129	9.407522	-0.41356	0.766753	-0.53937	0.589634	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	28568	NM_152556	154743	Hs.489734	NM_152556	ENSG00000	BMT2	C7orf60|S	base meth	protein-coding
chr19-446	8.705536	0.450413	0.835234	0.539265	0.589704	0.981636	chr19	44629025	44629386	+	0	NA	intron (N	L2a|LINE|	-14593	NM_001135	5817	Hs.171844	NM_006505	ENSG00000	PVR	CD155|HVE	PVR cell	protein-coding
chr8-8372	11.67277	-0.37616	0.697916	-0.53898	0.589899	0.981636	chr8	8372786	8373184	+	0	NA	intron (N	intron (N	13259	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr1-1239	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2451193	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1503	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSp|SIN	16406	NM_004698	9129	Hs.11776	NM_004698	ENSG00000	PRPF3	HPRP3|HPR	pre-mRNA	protein-coding
chr1-1760	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	MER61-int	107822	NM_001001	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr12-123	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	MamRep137	12131	NM_001516	2967	Hs.355348	NM_001516	ENSG00000	GTF2H3	BTF2|P34|	general t	protein-coding
chr4-1134	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	TTS (NM_1	TTS (NM_1	164203	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr5-4958	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr5	49589319	49590088	+	0	NA	Intergeni	ALR/Alpha	851585	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-1274	10.67432	0.386676	0.717602	0.538845	0.589994	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	AluJb|SIN	5181	NM_007135	7633	Hs.522399	NM_007135	ENSG00000	ZNF79	pT7	zinc fing	protein-coding
chr20-589	9.350666	-0.4133	0.767235	-0.53869	0.590102	0.981636	chr20	58906332	58906690	+	0	NA	intron (N	intron (N	14348	NR_132272	2778	Hs.125898	NM_000516	ENSG00000	GNAS	AHO|C20or	GNAS comp	protein-coding
chr3-1414	9.350666	-0.4133	0.767235	-0.53869	0.590102	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	12525	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr5-5534	9.350666	-0.4133	0.767235	-0.53869	0.590102	0.981636	chr5	55345236	55348585	+	0	NA	intron (N	L1MB7|LIN	38921	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr8-5378	9.350666	-0.4133	0.767235	-0.53869	0.590102	0.981636	chr8	53785322	53786871	+	0	NA	intron (N	L1PA4|LIN	56946	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr8-2890	7.007327	0.475738	0.883777	0.538301	0.590369	0.981636	chr8	28908053	28908610	+	0	NA	intron (N	intron (N	17017	NM_001324	79618	Hs.563560	NM_024567	ENSG00000	HMBOX1	HNF1LA|HO	homeobox	protein-coding
chr11-871	10.2443	0.404203	0.751371	0.537954	0.590609	0.981636	chr11	8717096	8717295	+	0	NA	intron (N	intron (N	31756	NR_002977	677826	Hs.745552	NR_002977	ENSG00000	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr16-193	5.988727	0.526174	0.978105	0.537952	0.59061	0.981636	chr16	1939831	1940528	+	0	NA	intron (N	AluSx|SIN	3147	NM_016332	51734	Hs.655346	NM_016332	ENSG00000	MSRB1	HSPC270|S	methionin	protein-coding
chr2-2404	5.988727	0.526174	0.978105	0.537952	0.59061	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	9183	NM_002081	2817	Hs.328232	NM_002081	ENSG00000	GPC1	glypican	glypican	protein-coding
chr20-350	9.598868	0.410291	0.762971	0.537754	0.590747	0.981636	chr20	35062991	35063305	+	0	NA	intron (N	THE1D|LTR	29659	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr20-410	8.881352	-0.42871	0.797444	-0.53761	0.590849	0.981636	chr20	410853	411988	+	0	NA	TTS (NM_0	TTS (NM_0	3121	NM_006462	10616	Hs.29546	NM_006462	ENSG00000	RBCK1	C20orf18|	RANBP2-ty	protein-coding
chr2-1745	5.425576	0.552944	1.028836	0.537446	0.590959	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	-9511	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr1-1971	6.205497	-0.51428	0.956962	-0.53741	0.590987	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	24412	NM_194314	360023	Hs.529439	NM_194314	ENSG00000	ZBTB41	FRBZ1|ZNF	zinc fing	protein-coding
chr16-249	10.18559	0.397421	0.739748	0.537238	0.591103	0.981636	chr16	24952764	24955550	+	0	NA	intron (N	MIRc|SINE	61212	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr17-500	10.18559	0.397421	0.739748	0.537238	0.591103	0.981636	chr17	5001175	5008742	+	0	NA	exon (NM_	exon (NM_	7008	NM_006612	10749	Hs.435120	NM_006612	ENSG00000	KIF1C	LTXS1|SAT	kinesin f	protein-coding
chr19-127	10.18559	0.397421	0.739748	0.537238	0.591103	0.981636	chr19	12708197	12711450	+	0	NA	intron (N	FLAM_A|SI	-3305	NR_002751	26810		NR_002751	ENSG00000	SNORD41	RNU41|U41	small nuc	snoRNA
chr8-4319	10.18559	0.397421	0.739748	0.537238	0.591103	0.981636	chr8	43192330	43195199	+	0	NA	exon (NM_	exon (NM_	53300	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr1-1930	11.25504	0.385842	0.718198	0.537236	0.591105	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15389	NM_197962	51022	Hs.458283	NM_016066	ENSG00000	GLRX2	CGI-133|G	glutaredo	protein-coding
chr1-4267	2.701464	-0.75235	1.400964	-0.53702	0.591252	0.981636	chr1	42671751	42672656	+	0	NA	intron (N	MER5A1|DN	-10215	NM_004559	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bin	protein-coding
chr10-272	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr10	27213059	27213622	+	0	NA	intron (N	L1MA3|LIN	27146	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr13-311	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr13	31156734	31157407	+	0	NA	intron (N	intron (N	4834	NM_006644	10808	Hs.743267	NM_006644	ENSG00000	HSPH1	HSP105|HS	heat shoc	protein-coding
chr14-529	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr14	52913992	52914747	+	0	NA	intron (N	AluJo|SIN	36681	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr15-297	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr15	29771889	29772794	+	0	NA	intron (N	intron (N	48333	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr16-298	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr16	29809027	29810201	+	0	NA	exon (NM_	exon (NM_	-2579	NM_001256	112476	Hs.655071	NM_145239	ENSG00000	PRRT2	BFIC2|BFI	proline r	protein-coding
chr17-418	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr17	41814696	41815400	+	0	NA	intron (N	AluSx3|SI	2338	NM_021939	60681	Hs.463035	NM_021939	ENSG00000	FKBP10	BRKS1|FKB	FKBP prol	protein-coding
chr3-5318	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr3	53183800	53184331	+	0	NA	intron (N	AluYj4|SI	15362	NM_001354	5580	Hs.155342	NM_006254	ENSG00000	PRKCD	ALPS3|CVI	protein k	protein-coding
chr3-1251	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	HAL1|LINE	46039	NR_049815	1.01E+08		NR_049815	ENSG00000	MIR5092	-	microRNA	ncRNA
chr5-1500	6.633672	-0.48996	0.912501	-0.53694	0.591308	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	31029	NR_109969	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr1-5511	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr1	55111860	55118418	+	0	NA	intron (N	L1PA7|LIN	74917	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr14-101	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	L2a|LINE|	14175	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT2O|DHC	dynein cy	protein-coding
chr19-338	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr19	3381573	3382315	+	0	NA	exon (NM_	exon (NM_	15361	NM_001245	4782	Hs.170131	NM_005597	ENSG00000	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr19-468	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr19	46847595	46848065	+	0	NA	intron (N	L1MB7|LIN	2484	NM_001301	1175	Hs.119591	NM_004069	ENSG00000	AP2S1	AP17|CLAP	adaptor r	protein-coding
chr2-1597	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	15326	NM_001282	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr3-1258	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr3	12581258	12586805	+	0	NA	TTS (NM_0	TTS (NM_0	26944	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|F	makorin r	protein-coding
chr3-3729	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr3	37293687	37297740	+	0	NA	intron (N	MER2|DNA|	-51518	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr5-1429	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr5	14299022	14302865	+	0	NA	intron (N	intron (N	157601	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-1677	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr5	16776896	16783919	+	0	NA	intron (N	intron (N	155881	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr5-3466	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr5	34662166	34664859	+	0	NA	intron (N	AluJb|SIN	7021	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr6-4317	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr6	43175549	43179922	+	0	NA	intron (N	AluY|SINE	-4461	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr6-5664	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr6	56644172	56648966	+	0	NA	intron (N	intron (N	-3680	NM_001723	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr7-2330	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr7	23308623	23313557	+	0	NA	3’ UTR (N	3’ UTR (N	11751	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochond	protein-coding
chr7-3062	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr7	30624789	30629758	+	0	NA	intron (N	intron (N	32395	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr7-9957	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr7	99571502	99574887	+	0	NA	exon (NM_	exon (NM_	14360	NM_001363	79027	Hs.599798	NM_024061	ENSG00000	ZNF655	VIK|VIK-1	zinc fing	protein-coding
chr8-9373	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr8	93733667	93737663	+	0	NA	exon (NM_	exon (NM_	-4446	NR_027259	55472	Hs.192788	NM_018608	ENSG00000	RBM12B-AS	C8orf39|F	RBM12B an	ncRNA
chr8-1304	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	3835	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr9-9227	9.383948	-0.40941	0.762579	-0.53688	0.591354	0.981636	chr9	92279149	92288884	+	0	NA	intron (N	AluJb|SIN	8531	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr2-9406	29.05849	-0.2524	0.470197	-0.5368	0.591403	0.981636	chr2	9406133	9406426	+	0	NA	TTS (NM_0	TTS (NM_0	16312	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr1-2741	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr1	27417426	27418049	+	0	NA	intron (N	intron (N	25115	NM_005281	2827	Hs.66542	NM_005281	ENSG00000	GPR3	ACCA	G protein	protein-coding
chr1-1791	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	26239	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr1-1863	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	MIR|SINE|	32100	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr1-2351	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluYm1|SI	10876	NR_002956	677802	Hs.744743	NR_002956	ENSG00000	SNORA14B	ACA14b	small nuc	snoRNA
chr17-645	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr17	64509227	64512191	+	0	NA	intron (N	AluJb|SIN	3732	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr7-7292	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr7	72926769	72933418	+	0	NA	exon (NM_	exon (NM_	24670	NR_033323	260294	Hs.510927	NM_148936	ENSG00000	NSUN5P2	NOL1R2|NS	NSUN5 pse	pseudo
chr9-1314	10.68218	0.385225	0.717809	0.536668	0.591497	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MER58A|DN	-13986	NR_003050	692093		NR_003050	ENSG00000	SNORD62B	U62|U62B	small nuc	snoRNA
chr1-5392	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr1	53924297	53924934	+	0	NA	intron (N	AluY|SINE	21208	NR_133633	51668	Hs.525462	NM_016126	ENSG00000	HSPB11	C1orf41|H	heat shoc	protein-coding
chr10-701	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr10	70148086	70148993	+	0	NA	3’ UTR (N	3’ UTR (N	-1799	NR_073582	219743	Hs.533655	NM_173555	ENSG00000	TYSND1	NET41	trypsin d	protein-coding
chr10-925	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr10	92531191	92532057	+	0	NA	intron (N	intron (N	-33863	NM_001165	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr11-102	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MA9|LIN	8544	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr12-144	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr12	14446088	14447190	+	0	NA	intron (N	intron (N	61358	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr12-781	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr12	78154793	78155464	+	0	NA	intron (N	L1PA11|LI	204618	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-101	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	110194	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamin	protein-coding
chr13-196	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr13	19674523	19675446	+	0	NA	non-codin	non-codin	41325	NM_017520	54737	Hs.269654	NM_017520	ENSG00000	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr19-110	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr19	11056238	11056817	+	0	NA	intron (N	intron (N	-32835	NM_000527	3949	Hs.213289	NM_000527	ENSG00000	LDLR	FH|FHC|LD	low densi	protein-coding
chr2-4698	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr2	46988511	46989187	+	0	NA	intron (N	intron (N	-46994	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr20-137	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr20	13759257	13761187	+	0	NA	intron (N	SVA_D|Ret	24664	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr3-1002	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr3	10023349	10023814	+	0	NA	non-codin	non-codin	2555	NR_002786	152302	Hs.635072	NR_002786	ENSG00000	CIDECP1	CICE|CIDE	cell deat	pseudo
chr3-3725	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr3	37255133	37256289	+	0	NA	intron (N	intron (N	-11516	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr6-8236	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr6	82365824	82366382	+	0	NA	exon (NM_	exon (NM_	1859	NM_001166	7162	Hs.71947	NM_006670	ENSG00000	TPBG	5T4|5T4AG	trophobla	protein-coding
chr6-1120	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	15471	NM_016262	51175	Hs.34851	NM_016262	ENSG00000	TUBE1	TUBE|dJ14	tubulin e	protein-coding
chr6-1252	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	L1PA7|LIN	21159	NM_016063	51020	Hs.32826	NM_016063	ENSG00000	HDDC2	C6orf74|C	HD domain	protein-coding
chr7-6695	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr7	66958331	66958748	+	0	NA	TTS (NM_0	TTS (NM_0	37047	NM_016038	51119	Hs.110445	NM_016038	ENSG00000	SBDS	CGI-97|SD	SBDS ribo	protein-coding
chr9-4118	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr9	41181429	41182439	+	0	NA	intron (N	MER2|DNA|	7430	NM_001085	644019	Hs.597638	NM_001085	ENSG00000	CBWD6	CBWD7	COBW doma	protein-coding
chr9-9284	6.666954	-0.4844	0.902655	-0.53664	0.591517	0.981636	chr9	92843276	92843844	+	0	NA	TTS (NM_0	TTS (NM_0	33949	NR_026868	138649	Hs.643597	NM_001010	ENSG00000	ANKRD19P	ANKRD19|b	ankyrin r	pseudo
chr6-5653	9.317385	-0.41731	0.778135	-0.5363	0.591751	0.981636	chr6	56536172	56536936	+	0	NA	intron (N	MER102a|D	106335	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-1793	6.974045	0.472046	0.880223	0.536279	0.591765	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-30547	NM_144696	126859	Hs.658505	NM_144696	ENSG00000	AXDND1	C1orf125	axonemal	protein-coding

chr11-473	6.974045	0.472046	0.880223	0.536279	0.591765	0.981636	chr11	47323854	47324776	+	0	NA	exon (NM_	exon (NM_	28387	NM_000256	4607	Hs.524906	NM_000256	ENSG00000	MYBPC3	CMD1MM|CM	myosin bi	protein-coding
chr8-6721	6.974045	0.472046	0.880223	0.536279	0.591765	0.981636	chr8	67214567	67215134	+	0	NA	intron (N	MLT1C-int	128931	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-1279	6.974045	0.472046	0.880223	0.536279	0.591765	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz6|SI	23981	NR_031610	1E+08		NR_031610	ENSG00000	MIR1205	MIRN1205|	microRNA	ncRNA
chr17-401	10.15231	0.394851	0.736542	0.536088	0.591898	0.981636	chr17	40161591	40165114	+	0	NA	intron (N	AluSz6|SI	1419	NR_106926	1.02E+08		NR_106926	ENSG00000	MIR6866	hsa-mir-6	microRNA	ncRNA
chr2-1612	6.518597	0.499825	0.9329	0.535776	0.592113	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSp|SIN	-16325	NR_110163	1.01E+08	Hs.660929	NR_110163	ENSG00000	LINC01806	-	long inte	ncRNA
chr6-8965	7.118702	-0.46873	0.875005	-0.53569	0.592174	0.981636	chr6	89650081	89650779	+	0	NA	intron (N	intron (N	-11683	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr8-1280	7.118702	-0.46873	0.875005	-0.53569	0.592174	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-2563	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr20-469	9.614584	0.407064	0.760002	0.535609	0.592229	0.981636	chr20	4698746	4700629	+	0	NA	exon (NM_	exon (NM_	13231	NM_000311	5621	Hs.472010	NM_000311	ENSG00000	PRNP	ASCR|AltP	prion pro	protein-coding
chr1-2036	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	13106	NM_001365	493	Hs.343522	NM_001684	ENSG00000	ATP2B4	ATP2B2|MX	ATPase pl	protein-coding
chr1-2240	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1PA7|LIN	32245	NR_136593	1E+08	Hs.568390	NR_136590		LOC100287	-	septin 7	pseudo
chr10-100	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	33357	NM_001347	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr10-125	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	27412	NM_001321	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr13-409	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr13	40946649	40947866	+	0	NA	intron (N	intron (N	-25483	NR_003365	283507	Hs.442781	NR_003365	ENSG00000	SUGT1P3	SUGT1L1	SUGT1 pse	pseudo
chr14-203	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr14	20356776	20358168	+	0	NA	exon (NM_	exon (NM_	13858	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr16-185	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr16	18553058	18553257	+	0	NA	intron (N	AluSz|SIN	8955	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr17-269	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr17	2697927	2698434	+	0	NA	exon (NM_	exon (NM_	-5261	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr17-454	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr17	45472309	45472762	+	0	NA	intron (N	intron (N	2900	NR_036271	1E+08		NR_036271	ENSG00000	MIR4315-2	-	microRNA	ncRNA
chr18-741	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr18	74157583	74159100	+	0	NA	intron (N	intron (N	9818	NM_014177	29090	Hs.532835	NM_014177	ENSG00000	TIMM21	C18orf55|	transloca	protein-coding
chr20-414	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr20	41453500	41456183	+	0	NA	intron (N	intron (N	-88023	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr22-217	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr22	21796488	21797576	+	0	NA	intron (N	intron (N	-61238	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr3-5162	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr3	51627546	51631790	+	0	NA	intron (N	AluSx|SIN	-41507	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr3-1865	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	10141	NM_016306	51726	Hs.317192	NM_016306	ENSG00000	DNAJB11	ABBP-2|AB	DnaJ heat	protein-coding
chr4-1406	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	MLT1A1|LT	-13780	NR_077215	644962	Hs.676500	NR_077215		TNRC18P1	-	trinuclec	pseudo
chr7-1536	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr7	1536081	1536422	+	0	NA	intron (N	CpG	-1371	NR_149036	1E+08	Hs.656985	NR_149036		LOC100128	-	uncharact	ncRNA
chr8-4232	6.418752	0.488188	0.911712	0.535463	0.59233	0.981636	chr8	42327257	42327626	+	0	NA	intron (N	AluSc8|SI	-11053	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr13-521	8.419895	-0.44705	0.834898	-0.53546	0.592333	0.981636	chr13	52185786	52186346	+	0	NA	intron (N	AluJr|SIN	8401	NR_002816	1.01E+08	Hs.553878	NR_002816	ENSG00000	MRPS31P5	MRPS31P3	mitochonc	pseudo
chr1-4076	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr1	40762915	40764247	+	0	NA	intron (N	AluSx|SIN	6297	NR_029833	407031		NR_029833	ENSG00000	MIR30C1	MIRN30C1|	microRNA	ncRNA
chr1-1504	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz6|SI	-24979	NM_001271	80222	Hs.288974	NM_025150	ENSG00000	TARS2	COXPD21|T	threonyl-	protein-coding
chr10-111	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr10	1118405	1119885	+	0	NA	intron (N	intron (N	-40623	NR_015376	399706	Hs.721191	NM_001010	ENSG00000	LINC00200	C10orf139	long inte	ncRNA
chr10-734	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr10	73427380	73429298	+	0	NA	intron (N	intron (N	5222	NM_001024	118490	Hs.631823	NM_001024	ENSG00000	MSS51	ZMYND17	MSS51 mit	protein-coding
chr12-123	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	L2a|LINE|	2308	NM_020845	57605	Hs.272759	NM_020845	ENSG00000	PITPNM2	NIR-3|NIR	phosphati	protein-coding
chr16-888	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr16	88839170	88840878	+	0	NA	intron (N	intron (N	-16196	NR_134671	51693	Hs.461722	NM_016209	ENSG00000	TRAPPC2L	HSPC176|F	trafficki	protein-coding
chr17-767	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr17	76776629	76778193	+	0	NA	intron (N	AluSz6|SI	-21633	NR_110837	1.02E+08	Hs.617206	NR_110837	ENSG00000	LINC02080	-	long inte	ncRNA
chr17-802	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr17	80272597	80274314	+	0	NA	intron (N	intron (N	12603	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr19-449	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	4493017	4500059	+	0	NA	intron (N	intron (N	21948	NM_001367	729359	Hs.591387	NM_001080	ENSG00000	PLIN4	KIAA1881|	perilipin	protein-coding
chr19-514	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	5144818	5147211	+	0	NA	intron (N	CpG	176901	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr19-103	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	10360414	10361843	+	0	NA	intron (N	intron (N	19444	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr19-117	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	11770240	11771463	+	0	NA	intron (N	AluJb|SIN	3851	NM_152355	126068	Hs.675132	NM_152355	ENSG00000	ZNF441	-	zinc fing	protein-coding
chr19-363	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	36397076	36401910	+	0	NA	intron (N	intron (N	19151	NM_001321	284406	Hs.558734	NM_133466	ENSG00000	ZFP82	ZNF545	ZFP82 zin	protein-coding
chr19-458	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr19	45825412	45826791	+	0	NA	intron (N	intron (N	-10793	NM_030785	81492	Hs.146544	NM_030785	ENSG00000	RSPH6A	RSHL1|RSP	radial sp	protein-coding
chr21-430	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr21	43028007	43029049	+	0	NA	intron (N	intron (N	39876	NM_001321	875	Hs.533013	NM_000071	ENSG00000	CBS	CBSL|HIP4	cystathic	protein-coding
chr22-418	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr22	41879884	41881614	+	0	NA	exon (NM_	exon (NM_	-20195	NR_029507	407039		NR_029507	ENSG00000	MIR33A	MIR33|MIR	microRNA	ncRNA
chr3-1448	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr3	14480984	14482837	+	0	NA	intron (N	MIRc|SINE	58432	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr3-1856	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	23119	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr5-1723	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MIRb|SINE	56774	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr6-4259	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr6	42596618	42597817	+	0	NA	intron (N	intron (N	33188	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr6-7362	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr6	73626705	73630188	+	0	NA	intron (N	AluSz6|SI	25546	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr8-4733	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr8	47330817	47331574	+	0	NA	intron (N	L1MCa|LIN	70257	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr9-1140	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSx1|SI	45023	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chrX-4646	6.459891	0.489599	0.914389	0.535439	0.592347	0.981636	chrX	46464248	46465768	+	0	NA	intron (N	intron (N	17711	NM_001129	55634	Hs.632800	NM_017776	ENSG00000	KRBOX4	ZNF673	KRAB box	protein-coding
chr2-1604	5.890732	0.528723	0.987615	0.535354	0.592405	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJr|SIN	35673	NM_002897	5937	Hs.470412	NM_002897	ENSG00000	RBMS1	C2orf12|H	RNA bindi	protein-coding
chr1-7799	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr1	77992741	77993233	+	0	NA	intron (N	AluSx|SIN	-11841	NM_001317	11080	Hs.13852	NM_007034	ENSG00000	DNAJB4	DNAJW|DjB	DnaJ heat	protein-coding
chr12-510	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr12	51059553	51060740	+	0	NA	non-codin	non-codin	11819	NR_045020	25875	Hs.655272	NM_015416	ENSG00000	LETMD1	111001901	LETM1 dom	protein-coding
chr17-756	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr17	7568268	7569135	+	0	NA	intron (N	MER21B|LT	-4124	NM_001416	1973	Hs.129673	NM_001416	ENSG00000	EIF4A1	DDX2A|EIF	eukaryoti	protein-coding
chr19-103	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr19	10363505	10364112	+	0	NA	intron (N	intron (N	16764	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr9-9681	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr9	96815600	96817190	+	0	NA	3' UTR (N	3' UTR (N	38119	NM_001346	158431	Hs.30567	NM_001001	ENSG00000	ZNF782	-	zinc fing	protein-coding
chr9-1344	6.981903	0.469783	0.877554	0.535333	0.59242	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	14360	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr16-309	8.646831	0.442537	0.826903	0.535174	0.592529	0.981636	chr16	30934774	30934973	+	0	NA	intron (N	L2|LINE|L	10298	NM_001099	54620	Hs.152149	NM_019085	ENSG00000	FBXL19	CXXC11|Fb	F-box and	protein-coding
chr12-112	9.151277	0.424416	0.7931	0.535136	0.592556	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-21445	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr11-280	8.914633	-0.42454	0.794138	-0.53459	0.592932	0.981636	chr11	28076449	28076784	+	0	NA	intron (N	intron (N	19801	NR_030341	693195		NR_030341	ENSG00000	MIR610	MIRN610|h	microRNA	ncRNA
chr1-1457	11.21131	-0.38753	0.725037	-0.5345	0.592994	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	31122	NR_103845	11126	Hs.488237	NM_007053	ENSG00000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr11-120	6.410894	0.490578	0.918208	0.534278	0.593149	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	MLT1B|LTR	3687	NM_001198	219902	Hs.643516	NM_174926	ENSG00000	TLCD5	TMEM136	TLC domai	protein-coding
chr6-7058	6.410894	0.490578	0.918208	0.534278	0.593149	0.981636	chr6	70580334	70580952	+	0	NA	intron (N	L1MB4|LIN	13713	NM_145267	135154	Hs.418495	NM_145267	ENSG00000	SDHAF4	C6orf57|S	succinate	protein-coding
chr10-436	15.90365	0.32113	0.601294	0.534065	0.593297	0.981636	chr10	43643206	43646327	+	0	NA	exon (NM_	exon (NM_	894	NR_047557	414197	Hs.605832	NR_047557	ENSG00000	ZNF32-AS1	ZNF32OS1|	ZNF32 ant	ncRNA
chr12-133	15.90365	0.32113	0.601294	0.534065	0.593297	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJb|SIN	14991	NM_001289	7637	Hs.445019	NM_003428	ENSG00000	ZNF84	HPF2	zinc fing	protein-coding
chr18-468	6.715951	-0.48259	0.903656	-0.53404	0.593313	0.981636	chr18	46878094	46878829	+	0	NA	intron (N	intron (N	39046	NR_148702	9063	Hs.57769	NM_004671	ENSG00000	PIAS2	ARIP3|DIP	protein i	protein-coding
chr2-1114	6.715951	-0.48259	0.903656	-0.53404	0.593313	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSz6|SI	47817	NR_136166	541471	Hs.560805	NR_015395	ENSG00000	MIR4435-2	AGD2|LINC	MIR4435-2	ncRNA
chr3-1849	8.61355	0.439585	0.823307	0.533927	0.593392	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	MSTD|LTR|	92362	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr1-9744	6.966187	0.474426	0.888695	0.533846	0.593448	0.981636	chr1	9744734	9744981	+	0	NA	intron (N	AluSg|SIN	53390	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-1183	6.966187	0.474426	0.888695	0.533846	0.593448	0.981636	chr1	11837983	11838456	+	0	NA	intron (N	MIRb|SINE	-2100	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr9-7971	6.966187	0.474426	0.888695	0.533846	0.593448	0.981636	chr9	79715945	79716225	+	0	NA	intron (N	L2a|LINE|	-108445	NR_121213	1.02E+08	Hs.571630	NR_121212		LINC01507	XLOC_0003	long inte	ncRNA
chr9-9760	6.966187	0.474426	0.888695	0.533846	0.593448	0.981636	chr9	97605033	97605792	+	0	NA	intron (N	intron (N	27956	NM_139246	158427	Hs.723236	NM_139246	ENSG00000	TSTD2	C9orf97	thiosulfa	protein-coding
chr16-716	7.110844	-0.46693	0.874873	-0.53371	0.593543	0.981636	chr16	71683990	71684339	+	0	NA	intron (N	AluSx3|SI	14537	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr20-414	7.110844	-0.46693	0.874873	-0.53371	0.593543	0.981636	chr20	41422939	41423309	+	0	NA	intron (N	intron (N	-56306	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr8-1033	7.110844	-0.46693	0.874873	-0.53371	0.593543	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	AluJr|SIN	1487	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr17-424	9.655723	0.408066	0.765036	0.533394	0.593761	0.981636	chr17	42499298	42499855	+	0	NA	intron (N	AluSz|SIN	4803	NR_049845	1.01E+08		NR_049845	ENSG00000	MIR548AT	-	microRNA	ncRNA
chr10-151	6.708093	-0.48072	0.901596	-0.53319	0.593902	0.981636	chr10	15114558	15114937	+	0	NA	intron (N	AluSx|SIN	17392	NM_006414	10557	Hs.94986	NM_006414	ENSG00000	RPP38	-	ribonucle	protein-coding
chr12-896	6.708093	-0.48072	0.901596	-0.53319	0.593902	0.981636	chr12	89640297	89641992	+	0	NA	intron (N	intron (N	67694	NM_001366	490	Hs.506276	NM_001682	ENSG00000	ATP2B1	PMCA1|PMC	ATPase pl	protein-coding
chr2-1053	10.64104	0.384201	0.720626	0.533149	0.593931	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSq2|SI	21648	NM_001318	2274	Hs.443687	NM_001450	ENSG00000	FHL2	AAG11|DRA	four and	protein-coding
chr10-350	10.6489	0.382745	0.71801	0.533063	0.59399	0.981636	chr10	35034741	35034971	+	0	NA	intron (N	intron (N	39427	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr7-5607	5.888882	0.513824	0.96399	0.533018	0.594021	0.981636	chr7	56072628	56073731	+	0	NA	intron (N	intron (N	8893	NM_001366	25870	Hs.279696	NM_015411	ENSG00000	SUMF2	pFGE	sulfatase	protein-coding
chr1-3843	5.930022	0.515233	0.966715	0.532972	0.594053	0.981636	chr1	3843190	3844982	+	0	NA	intron (N	intron (N	13125	NM_014704	9731	Hs.133089	NM_014704	ENSG00000	CEP104	CFAP256|C	centrosom	protein-coding
chr19-108	5.930022	0.515233	0.966715	0.532972	0.594053	0.981636	chr19	10805337	10805698	+	0	NA	intron (N	AluJb|SIN	11979	NR_029586	406976		NR_029586	ENSG00000	MIR199A1	MIR-199-s	microRNA	ncRNA
chr22-394	5.930022	0.515233	0.966715	0.532972	0.594053	0.981636	chr22	39430515	39430955	+	0	NA	3' UTR (N	3' UTR (N	-1425	NR_040535	1.01E+08	Hs.729080	NR_040535		LOC100506	-	uncharact	ncRNA
chr3-4888	5.930022	0.515233	0.966715	0.532972	0.594053	0.981636	chr3	48883167	48884611	+	0	NA	intron (N	AluSx1|SI	14993	NM_000387	788	Hs.13845	NM_000387	ENSG00000	SLC25A20	CAC|CACT	solute ca	protein-coding
chr7-6434	5.930022	0.515233	0.966715	0.532972	0.594053	0.981636	chr7	64347858	64349356	+	0	NA	exon (NM_	exon (NM_	34646	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr8-1438	9.242894	0.746161	1.40006	0.532949	0.594069	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	4717	NR_030633	1E+08		NR_030633	ENSG00000	MIR937	MIRN937|h	microRNA	ncRNA
chr1-4658	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr1	46580250	46581357	+	0	NA	intron (N	intron (N	23465	NM_198973	8569	Hs.371594	NM_003684	ENSG00000	MKNK1	MNK1	MAPK inte	protein-coding
chr10-295	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr10	29511079	29512630	+	0	NA	intron (N	intron (N	33243	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-134	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	2882	NM_014174	29087	Hs.13645	NM_014174	ENSG00000	THYN1	HSPC144|M	thymocyte	protein-coding
chr12-683	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr12	68311385	68312538	+	0	NA	intron (N	L2a|LINE|	20401	NM_001205	56890	Hs.655702	NM_017440	ENSG00000	MDM1	-	Mdm1 nucl	protein-coding
chr12-132	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MB3|LIN	25768	NM_175066	317781	Hs.445168	NM_175066	ENSG00000	DDX51	-	DEAD-box	protein-coding
chr14-306	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr14	30696995	30699136	+	0	NA	intron (N	L1MC4|LIN	75746	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr15-230	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr15	23018727	23020913	+	0	NA	intron (N	AluSc|SIN	19749	NM_001354	114791	Hs.533898	NM_052903	ENSG00000	TUBGCP5	GCP5	tubulin g	protein-coding
chr15-997	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr15	99728216	99729411	+	0	NA	3' UTR (N	3' UTR (N	4624	NM_001284	145748	Hs.562568	NM_152449	ENSG00000	LYSMD4	-	LysM doma	protein-coding
chr16-150	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr16	1500489	1503078	+	0	NA	intron (N	intron (N	8423	NM_016111	9894	Hs.271044	NM_016111	ENSG00000	TELO2	CLK2|TEL2	telomere	protein-coding
chr16-480	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr16	4804095	4804925	+	0	NA	non-codin	non-codin	-1560	NM_024589	79641	Hs.459795	NM_024589	ENSG00000	ROGDI	KTZS	rogdi aty	protein-coding
chr16-743	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr16	74354114	74355233	+	0	NA	intron (N	AluY|SINE	13582	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr16-873	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr16	87333503	87336234	+	0	NA	intron (N	intron (N	17359	NR_135180	1.02E+08	Hs.667450	NR_135180	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-370	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr17	37096054	37098079	+	0	NA	exon (NM_	exon (NM_	63321	NR_036056	1E+08		NR_036056	ENSG00000	MIR2909	-	microRNA	ncRNA
chr17-371	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr17	37111847	37113210	+	0	NA	intron (N	intron (N	78783	NR_036056	1E+08		NR_036056	ENSG00000	MIR2909	-	microRNA	ncRNA
chr17-496	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr17	49608357	49608708	+	0	NA	intron (N	MER106B|D	18057	NM_001370	8405	Hs.463382	NM_003563	ENSG00000	SPOP	BTBD32|TE	speckle t	protein-coding
chr17-802	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr17	80280020	80280548	+	0	NA	intron (N	intron (N	19432	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr19-181	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr19	1815490	1822079	+	0	NA	exon (NM_	exon (NM_	-2546	NR_031730	1E+08		NR_031730	ENSG00000	MIR1909	MIRN1909|	microRNA	ncRNA
chr19-374	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr19	37430718	37435039	+	0	NA	intron (N	L1MA3|LIN	34566	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr19-422	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr19	42200969	42204298	+	0	NA	intron (N	intron (N	15044	NR_073051	162989	Hs.515432	NM_133328	ENSG00000	DEDD2	FLAME-3|F	death eff	protein-coding
chr19-481	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr19	48173470	48174069	+	0	NA	intron (N	AluSx|SIN	3089	NM_199341	374920	Hs.664054	NM_199341	ENSG00000	ZSWIM9	C19orf68	zinc fing	protein-coding
chr19-541	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr19	54124407	54126715	+	0	NA	intron (N	intron (N	9807	NM_015629	26121	Hs.515598	NM_015629	ENSG00000	PRPF31	NY-BR-99|	pre-mRNA	protein-coding
chr2-1270	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	(CCAGCC)n	11912	NM_001320	274	Hs.193163	NM_004305	ENSG00000	BIN1	AMPH2|AMP	bridging	protein-coding
chr2-1591	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-11436	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2275	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	59809	NM_001135	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|R	ArfGAP wi	protein-coding
chr20-356	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr20	35684032	35684661	+	0	NA	intron (N	AluY|SINE	15006	NM_001198	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr20-640	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr20	64001852	64006001	+	0	NA	intron (N	intron (N	22794	NM_012469	24148	Hs.31334	NM_012469	ENSG00000	PRPF6	ANT-1|ANT	pre-mRNA	protein-coding
chr21-439	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr21	43960202	43961536	+	0	NA	intron (N	AluSx|SIN	35471	NM_001037	56894	Hs.248785	NM_020132	ENSG00000	AGPAT3	1-AGPAT 3	1-acylgly	protein-coding
chr3-3330	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr3	33308936	33311267	+	0	NA	intron (N	L1M1|LINE	32659	NR_146133	25827	Hs.475872	NM_012157	ENSG00000	FBXL2	FBL2|FBL3	F-box and	protein-coding
chr3-4597	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr3	45971114	45972176	+	0	NA	intron (N	L1MC4|LIN	24179	NM_024513	79443	Hs.200227	NM_024513	ENSG00000	FYCO1	CATC2|CTR	FYVE and	protein-coding
chr3-5330	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr3	53305435	53306211	+	0	NA	intron (N	L1MD|LINE	27304	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr3-6638	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr3	66381789	66383611	+	0	NA	intron (N	intron (N	117721	NM_015541	26018	Hs.518055	NM_015541	ENSG00000	LRIG1	LIG-1|LIG	leucine r	protein-coding
chr4-8745	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr4	87451235	87452841	+	0	NA	intron (N	AluSx1|SI	29441	NM_198038	53343	Hs.149500	NM_024047	ENSG00000	NUDT9	NUDT10	nudix hyd	protein-coding
chr5-2928	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr5	292867	294151	+	0	NA	intron (N	intron (N	-10667	NM_001242	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr7-4736	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr7	47366492	47367653	+	0	NA	intron (N	intron (N	97731	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-7599	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr7	75998446	76001767	+	0	NA	intron (N	AluSx|SIN	-5511	NM_001363	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMP	transmemb	protein-coding
chr7-1403	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	non-codin	non-codin	63800	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding

chr9-9594	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr9	95942244	95943443	+	0	NA	intron (N	HAL1ME|LI	66835	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr9-1315	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	43014	NM_001365	642515		NM_001365	ENSG00000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr9-1340	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSc8|SI	11555	NM_001355	266655	Hs.654869	NM_001355	ENSG00000	BRD3OS	LINC00094	BRD3 oppo	protein-coding
chr9-1368	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	-1331	NR_036251	1E+08		NR_036251	ENSG00000	MIR4292	-	microRNA	ncRNA
chrX-2880	6.42661	0.485771	0.911783	0.532771	0.594192	0.981636	chrX	288078	288955	+	0	NA	intron (N	MLT1C|LTR	5038	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LL0XNC01-	phosphati	protein-coding
chr17-605	9.37609	-0.408	0.765996	-0.53264	0.594282	0.981636	chr17	60519018	60520382	+	0	NA	intron (N	intron (N	6540	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr2-2374	9.37609	-0.408	0.765996	-0.53264	0.594282	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	11652	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr3-2739	9.37609	-0.408	0.765996	-0.53264	0.594282	0.981636	chr3	27393487	27394796	+	0	NA	intron (N	AluJb|SIN	-24681	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr11-996	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr11	9967273	9968389	+	0	NA	intron (N	AluSp|SIN	128689	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr16-169	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr16	1692296	1696070	+	0	NA	intron (N	L1MC5|LIN	-12000	NM_001318	23162	Hs.207763	NM_015133	ENSG00000	MAPK8IP3	JIP-3|JIP	mitogen-a	protein-coding
chr19-101	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr19	1012830	1014702	+	0	NA	intron (N	intron (N	7357	NM_033420	91304	Hs.515003	NM_033420	ENSG00000	TMEM259	ASBABP1|C	transmemb	protein-coding
chr19-436	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr19	43647321	43649055	+	0	NA	TTS (NM_0	TTS (NM_0	-8338	NM_145296	199731	Hs.370984	NM_145296	ENSG00000	CADM4	IGSF4C|NE	cell adhe	protein-coding
chr2-3338	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr2	33388401	33390265	+	0	NA	intron (N	intron (N	-29183	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr22-460	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr22	46083840	46084768	+	0	NA	Intergeni	MIR|SINE|	-1693	NR_027033	400931	Hs.235838	NM_207477	ENSG00000	MIRLET7BH	linc-Ppar	MIRLET7B	ncRNA
chr4-1818	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr4	1818292	1818905	+	0	NA	intron (N	AluSx3|SI	25286	NM_001163	2261	Hs.1420	NM_000142	ENSG00000	FGFR3	ACH|CD333	fibroblas	protein-coding
chr4-1766	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (N	L1PA3|LIN	101055	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LM	vascular	protein-coding
chr7-4751	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr7	47515521	47517998	+	0	NA	intron (N	intron (N	-51956	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-3909	7.144126	-0.46168	0.866837	-0.5326	0.59431	0.981636	chr8	39098997	39100169	+	0	NA	intron (N	L1ME4b|LI	-7946	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr14-390	9.405672	-0.42346	0.795159	-0.53255	0.594343	0.981636	chr14	39051636	39053105	+	0	NA	intron (N	Charlie6|	-50770	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr5-1731	6.723809	-0.4844	0.909703	-0.53249	0.594389	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	2969	NM_013980	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr1-1660	15.86251	0.320365	0.601639	0.532486	0.594389	0.981636	chr1	16602528	16603152	+	0	NA	intron (N	ERVL-E-in	10765	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr15-101	7.151984	-0.4635	0.870518	-0.53244	0.594418	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	Tigger1|D	-15558	NM_001308	80213	Hs.288912	NM_025141	ENSG00000	TM2D3	BLP2	TM2 domai	protein-coding
chr17-675	7.151984	-0.4635	0.870518	-0.53244	0.594418	0.981636	chr17	6757841	6759231	+	0	NA	intron (N	intron (N	2490	NM_001353	54739	Hs.441975	NM_017523	ENSG00000	XAF1	BIRC4BP|H	XIAP asso	protein-coding
chr5-1378	7.151984	-0.4635	0.870518	-0.53244	0.594418	0.981636	chr5	13780654	13781810	+	0	NA	intron (N	intron (N	163248	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr1-1514	10.69004	0.383771	0.720839	0.532394	0.594453	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	11668	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr1-1800	10.69004	0.383771	0.720839	0.532394	0.594453	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	Tigger2|D	60258	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr17-601	10.69004	0.383771	0.720839	0.532394	0.594453	0.981636	chr17	60183007	60183334	+	0	NA	exon (NM_	exon (NM_	33197	NM_000717	762	Hs.89485	NM_000717	ENSG00000	CA4	CAIV|Car4	carbonic	protein-coding
chr9-1268	9.827839	-0.40074	0.752875	-0.53228	0.59453	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L3|LINE|C	4870	NM_001099	403341	Hs.177633	NM_203482	ENSG00000	ZBTB34	ZNF918	zinc fing	protein-coding
chr20-275	11.20345	-0.3863	0.725771	-0.53226	0.594547	0.981636	chr20	27533405	27533704	+	0	NA	Intergeni	ALR/Alpha	1069111	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr2-2574	9.184559	0.427133	0.802698	0.532122	0.594642	0.981636	chr2	25749356	25750325	+	0	NA	exon (NM_	exon (NM_	44851	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr11-513	15.87037	0.319372	0.600347	0.531979	0.594741	0.981636	chr11	51374666	51374930	+	0	NA	Intergeni	ALR/Alpha	965651	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr7-6480	4.436839	-0.5907	1.110623	-0.53186	0.594821	0.981636	chr7	64805198	64805611	+	0	NA	intron (N	AluSg7|SI	10976	NM_001271	7697	Hs.184080	NM_006524	ENSG00000	ZNF138	pHZ-32	zinc fing	protein-coding
chr7-8733	4.436839	-0.5907	1.110623	-0.53186	0.594821	0.981636	chr7	87334513	87334870	+	0	NA	intron (N	L1MB7|LIN	10801	NR_015381	11257	Hs.274329	NM_007233	ENSG00000	TP53TG1	LINC00096	TP53 targ	ncRNA
chr10-778	6.574967	-0.50382	0.947323	-0.53183	0.59484	0.981636	chr10	77813724	77813944	+	0	NA	intron (N	intron (N	112921	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr1-1205	3.7098	0.632911	1.190394	0.531682	0.594946	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-88351	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr10-409	3.7098	0.632911	1.190394	0.531682	0.594946	0.981636	chr10	40919053	40919797	+	0	NA	Intergeni	ALR/Alpha	1448620	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr8-2536	3.7098	0.632911	1.190394	0.531682	0.594946	0.981636	chr8	25369775	25370619	+	0	NA	intron (N	intron (N	-8685	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr3-1343	12.58782	-0.35432	0.666424	-0.53167	0.594952	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	8473	NR_106885	1.02E+08		NR_106885	ENSG00000	MIR6827	hsa-mir-6	microRNA	ncRNA
chr12-588	9.425087	-0.40688	0.765316	-0.53165	0.59497	0.981636	chr12	58871698	58874318	+	0	NA	intron (N	intron (N	46538	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr22-455	9.425087	-0.40688	0.765316	-0.53165	0.59497	0.981636	chr22	45518937	45521110	+	0	NA	intron (N	AluSx1|SI	17140	NM_001996	2192	Hs.24601	NM_001996	ENSG00000	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr9-1243	9.425087	-0.40688	0.765316	-0.53165	0.59497	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	18486	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr5-1421	6.493173	0.493418	0.928251	0.531556	0.595033	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	31087	NM_030571	80762	Hs.9788	NM_030571	ENSG00000	NDFIP1	N4WBP5	Nedd4 fam	protein-coding
chr19-271	21.67857	0.284716	0.535846	0.53134	0.595183	0.981636	chr19	27144836	27145859	+	0	NA	Intergeni	ALR/Alpha	-648084	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-869	6.989761	0.467579	0.880432	0.531079	0.595364	0.981636	chr10	86903811	86904772	+	0	NA	intron (N	L1MEc|LIN	-51468	NM_001330	6623	Hs.349470	NM_003087	ENSG00000	SNCG	BCSG1|SR	synuclein	protein-coding
chr15-509	6.989761	0.467579	0.880432	0.531079	0.595364	0.981636	chr15	50963195	50964062	+	0	NA	intron (N	L1MA4A|LI	19499	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr19-472	6.989761	0.467579	0.880432	0.531079	0.595364	0.981636	chr19	47224656	47225436	+	0	NA	intron (N	AluSp|SIN	-1896	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr2-3707	6.989761	0.467579	0.880432	0.531079	0.595364	0.981636	chr2	37076357	37078489	+	0	NA	intron (N	AluSx|SIN	6949	NM_019024	54497	Hs.744084	NM_019024	ENSG00000	HEATR5B	-	HEAT repe	protein-coding
chr22-382	6.989761	0.467579	0.880432	0.531079	0.595364	0.981636	chr22	38227534	38228435	+	0	NA	intron (N	intron (N	-3264	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr1-1235	14.8772	0.331412	0.624127	0.531	0.595419	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2039735	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-9232	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr1	92328324	92330073	+	0	NA	intron (N	L1PBa|LIN	30139	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|R	RNA polym	protein-coding
chr10-120	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr10	12002380	12004235	+	0	NA	intron (N	intron (N	39502	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr10-124	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr10	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	7507	NM_001322	4942	Hs.523332	NM_000274	ENSG00000	OAT	GACR|HOGA	ornithine	protein-coding
chr3-1995	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr3	19954749	19955307	+	0	NA	intron (N	intron (N	7931	NM_004162	5868	Hs.475663	NM_004162	ENSG00000	RAB5A	RAB5	RAB5A, me	protein-coding
chr5-1718	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	L1ME2|LIN	105042	NM_001289	644994	Hs.591740	NM_001289	ENSG00000	SMIM23	C5orf50	small int	protein-coding
chr6-3004	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr6	3004437	3005319	+	0	NA	intron (N	(TTTG)n|S	4720	NM_001318	4835	Hs.533050	NM_000904	ENSG00000	NQO2	DHQV|DIA6	N-ribosyl	protein-coding
chr9-8932	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr9	89326243	89326638	+	0	NA	intron (N	intron (N	7589	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr9-1368	6.948622	0.466167	0.877929	0.530984	0.59543	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	-3889	NR_024580	1E+08	Hs.734812	NR_024580	ENSG00000	CCDC183-A	KIAA1984-	CCDC183 a	ncRNA
chr15-767	10.11903	0.392236	0.738719	0.530968	0.595441	0.981636	chr15	76764002	76764472	+	0	NA	intron (N	intron (N	97707	NM_001145	49855	Hs.458986	NM_020843	ENSG00000	SCAPER	IDDRP|MST	S-phase c	protein-coding
chr12-895	6.60039	-0.49575	0.933766	-0.53092	0.595475	0.981636	chr12	89589280	89589870	+	0	NA	3' UTR (N	3' UTR (N	-63313	NM_001199	1.01E+08	Hs.25130	NM_001199	ENSG00000	POC1B-GAL	GALNT4|Ga	POC1B-GAL	protein-coding
chr18-799	6.60039	-0.49575	0.933766	-0.53092	0.595475	0.981636	chr18	79968130	79968792	+	0	NA	intron (N	AluSx|SIN	3818	NM_001136	440498	Hs.191582	NM_001136	ENSG00000	HSBP1L1	-	heat shoc	protein-coding
chr3-1728	6.60039	-0.49575	0.933766	-0.53092	0.595475	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	Charlie4z	64086	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr10-608	9.622442	0.405362	0.763549	0.530892	0.595494	0.981636	chr10	60885243	60886340	+	0	NA	intron (N	intron (N	58394	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr1-2826	10.65676	0.381291	0.718217	0.530885	0.595498	0.981636	chr1	28269234	28283112	+	0	NA	intron (N	intron (N	16655	NM_031459	83667	Hs.469543	NM_031459	ENSG00000	SESN2	HI95|SES2	sestrin 2	protein-coding
chr1-1444	10.65676	0.381291	0.718217	0.530885	0.595498	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	LTR5_Hs|L	5851	NM_173638	284565	Hs.523572	NM_173638	ENSG00000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr1-1511	10.65676	0.381291	0.718217	0.530885	0.595498	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	(T)n|Simp	2662	NR_037937	79005	Hs.732060	NM_024041	ENSG00000	SCNM1	-	sodium ch	protein-coding
chr1-1798	10.65676	0.381291	0.718217	0.530885	0.595498	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	3808	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr10-131	10.65676	0.381291	0.718217	0.530885	0.595498	0.981636	chr10	13119692	13138768	+	0	NA	intron (N	L1M5|LINE	29067	NM_001008	10133	Hs.332706	NM_021980	ENSG00000	OPTN	ALS12|FIP	optineuri	protein-coding
chr11-367	9.41723	-0.40551	0.763931	-0.53082	0.595545	0.981636	chr11	3678278	3678684	+	0	NA	intron (N	intron (N	-7097	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr1-8971	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr1	89714496	89715029	+	0	NA	exon (NM_	exon (NM_	81642	NM_032270	84230	Hs.412836	NM_032270	ENSG00000	LRRC8C	AD158|FAD	leucine r	protein-coding
chr10-285	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr10	28553727	28554792	+	0	NA	intron (N	MER2|DNA|	21141	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr11-136	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr11	13695186	13696159	+	0	NA	intron (N	intron (N	27004	NM_032228	84188	Hs.501991	NM_032228	ENSG00000	FAR1	MLSTD2|PF	fatty acy	protein-coding
chr11-859	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr11	85974469	85976114	+	0	NA	intron (N	intron (N	93793	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-110	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	49415	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr11-113	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-32618	NM_001288	80975	Hs.46720	NM_030770	ENSG00000	TMPRSS5	SPINESIN	transmemb	protein-coding
chr12-112	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSc|SIN	-20003	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr15-348	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr15	34896296	34897144	+	0	NA	intron (N	AluSq|SIN	73022	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr17-199	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr17	19915787	19916185	+	0	NA	intron (N	L2a|LINE|	-48050	NM_014683	9706	Hs.168762	NM_014683	ENSG00000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr18-585	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr18	58509948	58514062	+	0	NA	intron (N	intron (N	-60853	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr2-5387	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr2	53872139	53874406	+	0	NA	intron (N	intron (N	-13239	NM_001164	1E+08	Hs.40763	NM_001164	ENSG00000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-1058	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr2	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-34497	NM_001004	8440	Hs.529244	NM_003581	ENSG00000	NCK2	GRB4|NCKb	NCK adapt	protein-coding
chr3-1699	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	3' UTR (N	3' UTR (N	26869	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr4-1688	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	40538	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-1415	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	23807	NR_038333	1.01E+08	Hs.655458	NR_038333	ENSG00000	LOC100505	-	uncharact	ncRNA
chr7-1024	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq|SIN	-11008	NM_001271	80228	Hs.363308	NM_032831	ENSG00000	ORAI2	C7orf19|C	ORAI calc	protein-coding
chr7-1062	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	13075	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	1110035O1	nicotinam	protein-coding
chr7-1169	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	42009	NM_006136	830	Hs.446123	NM_006136	ENSG00000	CAPZA2	CAPPA2|CA	capping a	protein-coding
chr8-2025	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr8	20253080	20253420	+	0	NA	exon (NM_	exon (NM_	20285	NM_001362	11178	Hs.521432	NM_021020	ENSG00000	LZTS1	F37|FEZ1	leucine z	protein-coding
chr8-2333	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr8	23339503	23341736	+	0	NA	intron (N	intron (N	4411	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr9-1114	7.136268	-0.4599	0.866704	-0.53063	0.595677	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	50389	NM_001364	23392	Hs.368255	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 pro	protein-coding
chr1-1839	11.17091	0.375564	0.707993	0.530463	0.595791	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1PA7|LIN	113483	NM_001303	23127	Hs.387995	NM_015101	ENSG00000	COLGALT2	C1orf17|C	collagen	protein-coding
chr2-3025	12.57996	-0.35326	0.666205	-0.53026	0.595933	0.981636	chr2	30256761	30261154	+	0	NA	3' UTR (N	3' UTR (N	27423	NM_030915	81606	Hs.567598	NM_030915	ENSG00000	LBH	-	LBH regul	protein-coding
chr4-1095	8.955773	-0.42176	0.795402	-0.53024	0.595944	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger3|D	12648	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr3-1959	15.87823	0.318385	0.600584	0.530126	0.596024	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSx|SIN	10107	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr1-1226	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr1	12267662	12272918	+	0	NA	intron (N	AluSz|SIN	40260	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3131	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr1	31314684	31315678	+	0	NA	intron (N	intron (N	18199	NM_016505	51538	Hs.524094	NM_016505	ENSG00000	ZCCHC17	HSPC251|P	zinc fing	protein-coding
chr1-1145	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	L2c|LINE|	2809	NM_005872	10286	Hs.22960	NM_005872	ENSG00000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr1-2066	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	Tigger19b	6522	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr10-119	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr10	11958945	11960650	+	0	NA	intron (N	intron (N	-65087	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr11-591	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr11	59198208	59200585	+	0	NA	intron (N	MIR|SINE|	13531	NM_001039	219972	Hs.744920	NM_001039	ENSG00000	MPEG1	MPG1|MPS1	macrophag	protein-coding
chr11-647	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr11	64796339	64797188	+	0	NA	intron (N	intron (N	6451	NM_004579	5871	Hs.534341	NM_004579	ENSG00000	MAP4K2	BL44|GCK|	mitogen-a	protein-coding
chr11-741	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr11	74163638	74165465	+	0	NA	intron (N	MIRc|SINE	6451	NM_015531	26005	Hs.557938	NM_015531	ENSG00000	C2CD3	OFD14	C2 domain	protein-coding
chr12-488	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr12	48826908	48831112	+	0	NA	TTS (NM_0	TTS (NM_0	10514	NM_001206	784	Hs.250712	NM_000725	ENSG00000	CACNB3	CAB3|CACN	calcium v	protein-coding
chr12-133	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3' UTR (N	3' UTR (N	19013	NR_110091	1.02E+08	Hs.638942	NR_110091	ENSG00000	ZNF84-DT	-	ZNF84 div	ncRNA
chr13-199	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr13	19960539	19963180	+	0	NA	intron (N	intron (N	2045	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|R	zinc fing	protein-coding
chr13-322	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr13	32226577	32228781	+	0	NA	intron (N	intron (N	84275	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr16-303	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr16	30363049	30366001	+	0	NA	intron (N	intron (N	5969	NM_015527	26000	Hs.632182	NM_015527	ENSG00000	TBC1D10B	EPI64B|FF	TBC1 doma	protein-coding
chr16-475	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr16	47539441	47541531	+	0	NA	intron (N	MER11A|LT	79155	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr17-361	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr17	3614584	3617461	+	0	NA	intron (N	AluSg7|SI	-6611	NM_080704	7442	Hs.579217	NM_018727	ENSG00000	TRPV1	VR1	transient	protein-coding
chr17-178	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr17	17878393	17879876	+	0	NA	intron (N	intron (N	-42123	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr17-479	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr17	47980437	47982976	+	0	NA	TTS (NM_0	TTS (NM_0	10593	NM_001278	80279	Hs.20157	NM_025197	ENSG00000	CDK5RAP3	C53|HSF-2	CDK5 regu	protein-coding
chr2-9456	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr2	9456364	9457578	+	0	NA	exon (NM_	exon (NM_	-17580	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-1213	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-62583	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBP	transcrip	protein-coding
chr2-2332	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	3' UTR (N	3' UTR (N	6478	NR_003006	677772	Hs.689637	NR_003006	ENSG00000	SCARNA6	U88	small Caj	ncRNA
chr20-555	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr20	5551010	5551708	+	0	NA	intron (N	intron (N	-41357	NR_109860	1.02E+08	Hs.516871	NR_109860	ENSG00000	LINC01729	-	long inte	ncRNA
chr20-640	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr20	64024699	64031485	+	0	NA	intron (N	intron (N	-5635	NM_001348	284739	Hs.97840	NM_207349	ENSG00000	C20orf204	LINC00176	chromosom	protein-coding
chr21-175	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr21	17593518	17593899	+	0	NA	TTS (NM_0	TTS (NM_0	-17978	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG00000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr21-440	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr21	44087697	44088951	+	0	NA	intron (N	intron (N	14000	NM_001351	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr3-1793	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	MamSINE1|	15278	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr4-1212	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr4	1212579	1213976	+	0	NA	intron (N	intron (N	3157	NR_104331	285463	Hs.707614	NR_104331	ENSG00000	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr4-6286	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr4	6286702	6289627	+	0	NA	intron (N	AluSx|SIN	18314	NM_001145	7466	Hs.518602	NM_006005	ENSG00000	WFS1	CTRCT41|W	wolframin	protein-coding
chr4-1061	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	THE1C-int	-140587	NR_125928	1.02E+08	Hs.631131	NR_125928	ENSG00000	LOC101929	-	uncharact	ncRNA
chr5-1097	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-86509	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr5-1384	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-12130	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding

chr7-7451	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr7	74517914	74523100	+	0	NA	intron (N	MER5A|DNA	66601	NM_016328	9569	Hs.647056	NM_005685	ENSG00000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr7-8075	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr7	80757598	80758495	+	0	NA	intron (N	intron (N	111393	NM_001289	948	Hs.120949	NM_000072	ENSG00000	CD36	BDPLT10|C	CD36 mole	protein-coding
chr7-1404	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSc|SIN	13689	NM_013446	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr7-1553	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11124	NM_005542	3638	Hs.520819	NM_005542	ENSG00000	INSIG1	CL6	insulin i	protein-coding
chr8-4236	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr8	42361387	42363018	+	0	NA	intron (N	AluSc|SIN	15027	NM_014420	27121	Hs.159311	NM_014420	ENSG00000	DKK4	DKK-4	dickkopf	protein-coding
chr9-9263	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr9	92636180	92638135	+	0	NA	intron (N	AluSz|SIN	19107	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr9-1205	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	AluJb|SIN	54264	NR_073558	55755	Hs.269560	NM_018249	ENSG00000	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr9-1289	6.95648	0.463933	0.875265	0.530049	0.596078	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	37202	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chr16-148	8.979347	-0.426	0.803806	-0.52998	0.596124	0.981636	chr16	14838672	14838976	+	0	NA	intron (N	MER20|DNA	5103	NM_014287	23420	Hs.743963	NM_014287	ENSG00000	NOMO1	Nomo|PM5	NODAL moc	protein-coding
chr1-2431	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-58406	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr13-983	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr13	98368841	98369107	+	0	NA	intron (N	AluSx1|SI	153151	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr16-891	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr16	8915949	8917554	+	0	NA	intron (N	intron (N	19888	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr18-919	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr18	9195268	9195655	+	0	NA	intron (N	L1MC5a|LI	57898	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr3-1225	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-19606	NM_002264	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr6-1110	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	28837	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr8-1197	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	72269	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chrX-4114	6.700235	-0.47877	0.903431	-0.52995	0.596146	0.981636	chrX	41149758	41150283	+	0	NA	intron (N	intron (N	64575	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitin	protein-coding
chr12-465	9.853262	-0.39561	0.746713	-0.52981	0.596246	0.981636	chr12	4654982	4655346	+	0	NA	intron (N	MER58A|DN	6050	NM_005002	4704	Hs.75227	NM_005002	ENSG00000	NDUFA9	CC6|CI-39	NADH:ubic	protein-coding
chr18-459	9.853262	-0.39561	0.746713	-0.52981	0.596246	0.981636	chr18	45952097	45953615	+	0	NA	intron (N	intron (N	14473	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr7-1211	9.853262	-0.39561	0.746713	-0.52981	0.596246	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA8|LIN	136069	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr12-691	7.102986	-0.46518	0.878326	-0.52962	0.596373	0.981636	chr12	6918139	6918544	+	0	NA	intron (N	intron (N	3761	NM_001975	2026	Hs.511915	NM_001975	ENSG00000	ENO2	HEL-S-279	enolase 2	protein-coding
chr7-1398	5.963303	0.519178	0.980396	0.529559	0.596418	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	11653	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chrX-1111	5.963303	0.519178	0.980396	0.529559	0.596418	0.981636	chrX	11118575	11119125	+	0	NA	intron (N	MLT1G|LTR	7518	NM_005333	3052	Hs.211571	NM_005333	ENSG00000	HCCS	CCHL|LSDM	holocytoc	protein-coding
chr19-137	10.19345	0.395815	0.747881	0.529249	0.596633	0.981636	chr19	13768311	13769893	+	0	NA	intron (N	intron (N	4580	NM_032285	84245	Hs.439370	NM_032285	ENSG00000	MRI1	M1Pi|MRDI	methylthi	protein-coding
chr19-263	27.34394	0.257414	0.486755	0.528838	0.596918	0.981636	chr19	26390848	26391677	+	0	NA	Intergeni	ALR/Alpha	-1402169	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-365	7.142276	-0.47472	0.897679	-0.52883	0.596921	0.981636	chr19	36511093	36511685	+	0	NA	3’ UTR (N	3’ UTR (N	16882	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr20-509	4.888588	-0.55692	1.053406	-0.52869	0.597021	0.981636	chr20	50924853	50926381	+	0	NA	intron (N	intron (N	-5367	NR_110009	1.02E+08	Hs.301898	NR_110007	ENSG00000	ADNP-AS1	-	ADNP anti	ncRNA
chr3-1386	4.888588	-0.55692	1.053406	-0.52869	0.597021	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	42270	NM_001256	5291	Hs.239818	NM_006219	ENSG00000	PIK3CB	P110BETA|	phosphati	protein-coding
chr15-328	9.309527	-0.41596	0.786801	-0.52867	0.597033	0.981636	chr15	32898702	32898965	+	0	NA	intron (N	intron (N	169341	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr13-521	12.16751	-0.3623	0.685475	-0.52854	0.597121	0.981636	chr13	52168713	52169239	+	0	NA	non-codin	non-codin	-9115	NM_001146	4752	Hs.409989	NM_002498	ENSG00000	NEK3	HSPK36	NIMA rela	protein-coding
chr17-416	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr17	41693862	41694772	+	0	NA	Intergeni	Intergeni	5432	NM_005801	10209	Hs.150580	NM_005801	ENSG00000	EIF1	A121|EIF-	eukaryoti	protein-coding
chr2-7137	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr2	71375557	71376394	+	0	NA	intron (N	intron (N	44193	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr3-5285	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr3	52851137	52851424	+	0	NA	intron (N	intron (N	-4728	NR_107031	1.02E+08		NR_107031	ENSG00000	MIR8064	hsa-mir-8	microRNA	ncRNA
chr4-7580	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr4	75807080	75807451	+	0	NA	intron (N	intron (N	82743	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-1264	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	13662	NM_001146	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr5-1543	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	AluJr|SIN	-41783	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr6-7517	6.659096	-0.48233	0.91272	-0.52846	0.597183	0.981636	chr6	75173294	75173720	+	0	NA	intron (N	AluSq2|SI	32546	NM_080645	1303	Hs.101302	NM_004370	ENSG00000	COL12A1	BA209D8.1	collagen	protein-coding
chr12-710	8.873494	-0.42705	0.808327	-0.52831	0.597282	0.981636	chr12	7106068	7106590	+	0	NA	intron (N	HAL1|LINE	-1979	NR_026947	283314	Hs.744212	NR_026947	ENSG00000	C1RL-AS1	MATL2963	C1RL anti	ncRNA
chr2-2410	9.409372	-0.40411	0.764936	-0.52829	0.597298	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	TTS (NM_0	TTS (NM_0	6303	NM_182501	130916	Hs.159556	NM_182501	ENSG00000	MTERF4	MTERFD2	mitochond	protein-coding
chr20-375	9.409372	-0.40411	0.764936	-0.52829	0.597298	0.981636	chr20	37514571	37514830	+	0	NA	Intergeni	Intergeni	5603	NM_001317	10904	Hs.472651	NM_006698	ENSG00000	BLCAP	BC10	BLCAP apo	protein-coding
chr5-5686	9.409372	-0.40411	0.764936	-0.52829	0.597298	0.981636	chr5	56868375	56868903	+	0	NA	intron (N	AluY|SINE	-40621	NR_136556	133383	Hs.85950	NM_153706	ENSG00000	SETD9	C5orf35	SET domai	protein-coding
chr6-1705	9.409372	-0.40411	0.764936	-0.52829	0.597298	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	14013	NM_003194	6908	Hs.590872	NM_003194	ENSG00000	TBP	GTF2D|GTF	TATA-box	protein-coding
chr1-8971	9.440803	-0.40959	0.77543	-0.52821	0.597356	0.981636	chr1	89712777	89713221	+	0	NA	exon (NM_	exon (NM_	79879	NM_032270	84230	Hs.412836	NM_032270	ENSG00000	LRRC8C	AD158|FAD	leucine r	protein-coding
chr11-655	6.549543	-0.5124	0.970098	-0.52819	0.597368	0.981636	chr11	65579467	65579666	+	0	NA	intron (N	L2b|LINE|	3513	NM_001099	254102	Hs.502867	NM_001099	ENSG00000	EHBP1L1	-	EH domain	protein-coding
chr1-8415	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr1	8415869	8416488	+	0	NA	intron (N	intron (N	7654	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr15-825	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr15	82534856	82539500	+	0	NA	intron (N	MER20|DNA	3279	NR_111943	6218	Hs.433427	NM_001021	ENSG00000	RPS17	DBA4|RPS1	ribosomal	protein-coding
chr19-404	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr19	40422717	40423595	+	0	NA	exon (NM_	exon (NM_	2836	NM_013376	29950	Hs.269898	NM_013376	ENSG00000	SERTAD1	SEI1|TRIP	SERTA dom	protein-coding
chr4-1187	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	36277	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-3471	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr5	34711221	34712848	+	0	NA	intron (N	MLT1J|LTR	24475	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-3733	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr5	37332177	37333498	+	0	NA	intron (N	AluJb|SIN	38269	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr6-3331	9.845404	-0.39429	0.746517	-0.52817	0.597383	0.981636	chr6	33318652	33321248	+	0	NA	intron (N	intron (N	-2008	NM_001145	9278	Hs.206770	NM_005453	ENSG00000	ZBTB22	BING1|ZBT	zinc fing	protein-coding
chr19-140	4.92187	-0.54902	1.039581	-0.52812	0.597418	0.981636	chr19	14094370	14094944	+	0	NA	intron (N	MIR|SINE|	-3906	NM_138352	90378	Hs.140309	NM_138352	ENSG00000	SAMD1	-	sterile a	protein-coding
chr1-1558	10.12689	0.390672	0.740449	0.527615	0.597767	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-20135	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr12-560	12.57211	-0.3522	0.66757	-0.52759	0.597783	0.981636	chr12	56043040	56045381	+	0	NA	3’ UTR (N	3’ UTR (N	2292	NM_001029	6231	Hs.447562	NM_001029	ENSG00000	RPS26	DBA10|S26	ribosomal	protein-coding
chr11-481	8.906775	-0.42288	0.801996	-0.52728	0.597999	0.981636	chr11	48152591	48152987	+	0	NA	intron (N	L1PA5|LIN	56007	NR_036119	1E+08		NR_036119	ENSG00000	MIR3161	-	microRNA	ncRNA
chr2-1000	8.906775	-0.42288	0.801996	-0.52728	0.597999	0.981636	chr2	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	14664	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr1-1738	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSz|SIN	10047	NM_001365	55157	Hs.647707	NM_018122	ENSG00000	DARS2	ASPRS|LBS	aspartyl-	protein-coding
chr10-100	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	MIR|SINE|	5875	NM_176792	84545	Hs.421848	NM_032112	ENSG00000	MRPL43	L43mt|MRP	mitochond	protein-coding
chr12-124	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-31227	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr14-103	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	19465	NM_001302	84334	Hs.598441	NM_001302	ENSG00000	COA8	APOP|APOP	cytochrom	protein-coding
chr2-1179	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	L1PA4|LIN	88584	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr2-1662	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr2	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	-55638	NM_001353	6323	Hs.22654	NM_006920	ENSG00000	SCN1A	EIEE6|FEB	sodium vo	protein-coding
chr21-150	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr21	15039475	15040114	+	0	NA	intron (N	intron (N	25206	NM_003489	8204	Hs.155017	NM_003489	ENSG00000	NRIP1	CAKUT3|RI	nuclear r	protein-coding
chr4-7518	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr4	751819	752569	+	0	NA	intron (N	intron (N	29654	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr4-1381	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-33680	NR_037866	641365	Hs.435630	NR_037866	ENSG00000	LINC00616	-	long inte	ncRNA
chr6-7343	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr6	73430551	73431245	+	0	NA	intron (N	AluSx|SIN	21399	NM_138441	115004	Hs.658405	NM_138441	ENSG00000	CGAS	C6orf150|	cyclic GM	protein-coding
chr8-3897	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr8	38974452	38975338	+	0	NA	TTS (NM_0	TTS (NM_0	667	NM_153692	203100	Hs.661014	NM_153692	ENSG00000	HTRA4	-	HtrA seri	protein-coding
chr9-1364	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	3562	NM_001318	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chrX-1011	4.914012	-0.54646	1.036572	-0.52718	0.598068	0.981636	chrX	10117069	10118791	+	0	NA	intron (N	intron (N	-39015	NM_001256	1183	Hs.495674	NM_001830	ENSG00000	CLCN4	CLC4|ClC-	chloride	protein-coding
chr1-1226	12.89269	0.367632	0.697475	0.52709	0.598131	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1148295	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2077	11.19448	0.371353	0.704678	0.526983	0.598206	0.981636	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	L1ME4b|LI	18135	NM_172356	4179	Hs.510402	NM_002389	ENSG00000	CD46	AHUS2|MCP	CD46 mole	protein-coding
chr19-400	11.19448	0.371353	0.704678	0.526983	0.598206	0.981636	chr19	40042227	40049805	+	0	NA	intron (N	L1MA4A|LI	10215	NM_001005	163131	Hs.101139	NM_001005	ENSG00000	ZNF780B	ZNF779	zinc fing	protein-coding
chr19-523	11.19448	0.371353	0.704678	0.526983	0.598206	0.981636	chr19	52373223	52377996	+	0	NA	intron (N	L1PB1|LIN	5686	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr16-150	15.8014	-0.31699	0.60183	-0.52671	0.598395	0.981636	chr16	15009556	15011122	+	0	NA	promoter-	promoter-	58	NR_036054	1E+08		NR_036054	ENSG00000	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr6-4193	8.947915	-0.42021	0.797821	-0.5267	0.598405	0.981636	chr6	41931443	41931673	+	0	NA	intron (N	intron (N	10059	NM_004053	705	Hs.106880	NM_004053	ENSG00000	BYSL	BYSTIN|Er	bystin li	protein-coding
chr19-342	9.368232	-0.40656	0.771925	-0.52668	0.598418	0.981636	chr19	34227241	34227737	+	0	NA	3’ UTR (N	3’ UTR (N	-27065	NM_014686	9710	Hs.330073	NM_014686	ENSG00000	KIAA0355	-	KIAA0355	protein-coding
chr22-237	10.66462	0.379817	0.721249	0.526609	0.598465	0.981636	chr22	23742409	23745275	+	0	NA	exon (NM_	exon (NM_	7270	NM_021916	7621	Hs.382874	NM_021916	ENSG00000	ZNF70	Cos17	zinc fing	protein-coding
chr10-679	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr10	67950557	67957111	+	0	NA	intron (N	L1MC5|LIN	57049	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-737	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr10	73778012	73780017	+	0	NA	Intergeni	AluJb|SIN	-3034	NM_203298	118487	Hs.181174	NM_203298	ENSG00000	CHCHD1	C10orf34|	coiled-co	protein-coding
chr10-877	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr10	87755608	87756698	+	0	NA	intron (N	intron (N	62078	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr13-110	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	69767	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr15-706	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr15	70685774	70687629	+	0	NA	intron (N	intron (N	15581	NM_001008	55075	Hs.108049	NM_018003	ENSG00000	UACA	NUCLING	uveal aut	protein-coding
chr17-506	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr17	50697163	50697738	+	0	NA	intron (N	intron (N	10464	NM_052855	91369	Hs.463426	NM_052855	ENSG00000	ANKRD40	-	ankyrin r	protein-coding
chr2-1774	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	L1ME1|LIN	56549	NM_003659	8540	Hs.516543	NM_003659	ENSG00000	AGPS	ADAP-S|AD	alkylglyc	protein-coding
chr2-2248	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	141422	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr2-2377	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-49047	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr21-290	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr21	29041754	29042600	+	0	NA	intron (N	intron (N	17509	NM_006447	10600	Hs.99819	NM_006447	ENSG00000	USP16	UBP-M|UBP	ubiquitin	protein-coding
chr22-243	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr22	24305443	24307048	+	0	NA	intron (N	L1ME3A|LI	35414	NM_015330	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-1423	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1ME3A|LI	60932	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr5-7469	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr5	74690288	74691997	+	0	NA	intron (N	intron (N	5909	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamin	protein-coding
chr8-6150	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chr8	61509407	61510195	+	0	NA	intron (N	intron (N	180010	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chrX-4574	7.12841	-0.45813	0.870121	-0.52652	0.59853	0.981636	chrX	45745656	45750307	+	0	NA	promoter-	promoter-	-857	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr1-3900	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr1	39009555	39010186	+	0	NA	Intergeni	AluSx3|SI	-16425	NM_001184	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubic	protein-coding
chr1-1561	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	MIRb|SINE	2826	NM_014655	9673	Hs.532375	NM_014655	ENSG00000	SLC25A44	-	solute ca	protein-coding
chr1-1668	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	16518	NM_053053	117143	Hs.435967	NM_053053	ENSG00000	TADA1	ADA1|HFI1	transcrip	protein-coding
chr10-743	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr10	74362777	74363220	+	0	NA	intron (N	intron (N	166326	NR_120673	1.03E+08		NR_120673		LOC102723	-	uncharact	ncRNA
chr11-118	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	13980	NM_001168	56912	Hs.533738	NM_020153	ENSG00000	IFT46	C11orf2|C	intraflag	protein-coding
chr14-730	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr14	73018531	73020289	+	0	NA	intron (N	FLAM_A|SI	7696	NM_021260	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr14-954	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr14	95455445	95455702	+	0	NA	exon (NM_	exon (NM_	20262	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr15-282	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr15	28267533	28269135	+	0	NA	intron (N	intron (N	53818	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-755	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr15	75595921	75598385	+	0	NA	TTS (NM_0	TTS (NM_0	-17838	NM_002833	5780	Hs.445775	NM_002833	ENSG00000	PTPN9	MEG2|PTPM	protein t	protein-coding
chr16-169	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr16	1698787	1700294	+	0	NA	3’ UTR (N	3’ UTR (N	-6643	NM_001318	23162	Hs.207763	NM_015133	ENSG00000	MAPK8IP3	JIP-3|JIP	mitogen-a	protein-coding
chr16-891	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr16	89133391	89135411	+	0	NA	intron (N	LTR17|LTR	-2147	NR_045667	197322	Hs.461727	NM_174917	ENSG00000	ACSF3	-	acyl-CoA	protein-coding
chr17-275	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr17	27587719	27590480	+	0	NA	intron (N	intron (N	-42089	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr18-575	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr18	57554123	57555099	+	0	NA	intron (N	intron (N	32091	NM_001371095								
chr19-144	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr19	14466701	14468717	+	0	NA	intron (N	intron (N	7645	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr19-556	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr19	55680746	55681155	+	0	NA	intron (N	MIRc|SINE	4325	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-2194	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	CpG	-11495	NM_001173	10290	Hs.21639	NM_005876	ENSG00000	SPEG	APEG-1|AP	striated	protein-coding
chr6-1279	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJr|SIN	-45974	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr7-3563	6.434468	0.483255	0.918422	0.52618	0.598763	0.981636	chr7	35636753	35637279	+	0	NA	intron (N	AluSz6|SI	58119	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr1-3168	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr1	31688997	31689387	+	0	NA	intron (N	intron (N	14825	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr1-2191	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr1	2.19E+08	2.19E+08	+	0	NA	intron (N	Tigger13a	6573	NM_001300	127018	Hs.657617	NM_138794	ENSG00000	LYPLAL1	Q96AV0	lysophosp	protein-coding
chr10-124	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	19185	NM_032182	23172	Hs.280695	NM_032182	ENSG00000	ABRAXAS2	ABRO1|FAM	abraxas 2	protein-coding
chr13-110	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-1562	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr16-222	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr16	22254744	22255555	+	0	NA	intron (N	MIR3|SINE	-42226	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr17-673	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr17	67357437	67358099	+	0	NA	intron (N	intron (N	8809	NM_002816	5718	Hs.4295	NM_002816	ENSG00000	PSMD12	Rpn5|STIS	proteasom	protein-coding
chr19-111	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr19	11131820	11133843	+	0	NA	3’ UTR (N	3’ UTR (N	19357	NR_106946	1.02E+08		NR_106946	ENSG00000	MIR6886	hsa-mir-6	microRNA	ncRNA
chr2-7016	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr2	70163594	70163971	+	0	NA	intron (N	AluSz6|SI	26929	NR_145971	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr2-8443	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr2	84430905	84433253	+	0	NA	intron (N	intron (N	27201	NM_003849	8802	Hs.270428	NM_003849	ENSG00000	SUCLG1	GALPHA|MT	succinate	protein-coding
chr2-9755	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr2	97553372	97554170	+	0	NA	intron (N	intron (N	36106	NM_001353	57730	Hs.532921	NM_020970	ENSG00000	ANKRD36B	KIAA1641	ankyrin r	protein-coding
chr2-2034	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	L1MEc|LIN	51982	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr22-420	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr22	42075732	42076923	+	0	NA	intron (N	AluSq2|SI	2079	NM_001002	150368	Hs.368312	NM_001002	ENSG00000	PHETA2	FAM109B|I	PH domain	protein-coding
chr3-9786	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr3	9786230	9788090	+	0	NA	intron (N	intron (N	-5335	NM_001024	10093	Hs.323342	NM_005718	ENSG00000	ARPC4	ARC20|P2C	actin rel	protein-coding

chr3-5256	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr3	52561218	52564126	+	0	NA	intron (N	AluJo|SIN	26067	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr4-1766	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (N	L2|LINE|L	106578	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LN	vascular	protein-coding
chr5-1684	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr5	16845524	16846612	+	0	NA	intron (N	Charlie18	90220	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr5-1575	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-53732	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr5-1723	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	67637	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr6-3068	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr6	30684337	30685303	+	0	NA	exon (NM_	exon (NM_	1825	NM_133471	170954	Hs.101150	NM_133471	ENSG00000	PPP1R18	HKMT1098|	protein p	protein-coding
chr8-1303	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	MLT1K|LTR	57827	NM_001362	50807	Hs.655552	NM_018482	ENSG00000	ASAP1	AMAP1|CEN	ArfGAP wi	protein-coding
chr9-1289	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSz|SIN	-28339	NM_014908	22845	Hs.531563	NM_014908	ENSG00000	DOLK	CDG1M|DK|	dolichol	protein-coding
chrX-1371	7.16955	-0.45479	0.864411	-0.52613	0.598796	0.981636	chrX	13712503	13716724	+	0	NA	intron (N	intron (N	20007	NM_001011	6399	Hs.592238	NM_014563	ENSG00000	TRAPPC2	MIP2A|SED	trafficki	protein-coding
chr17-676	12.61325	-0.35038	0.665989	-0.52611	0.598812	0.981636	chr17	6764954	6774945	+	0	NA	intron (N	L1MEd|LIN	-6266	NM_153230	162517	Hs.368364	NM_153230	ENSG00000	FBXO39	CT144|Fbx	F-box pro	protein-coding
chr7-1000	12.61325	-0.35038	0.665989	-0.52611	0.598812	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	16715	NM_001287	7586	Hs.615360	NM_003439	ENSG00000	ZKSCAN1	KOX18|PHZ	zinc fing	protein-coding
chr22-317	6.625814	-0.48793	0.927442	-0.52611	0.598813	0.981636	chr22	31763079	31763302	+	0	NA	intron (N	AluSg|SIN	9167	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr7-4204	6.625814	-0.48793	0.927442	-0.52611	0.598813	0.981636	chr7	42048024	42048223	+	0	NA	intron (N	intron (N	189086	NM_000168	2737	Hs.21509	NM_000168	ENSG00000	GLI3	ACLS|GCPS	GLI famil	protein-coding
chr1-1809	10.6979	0.382291	0.726803	0.525989	0.598896	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8411	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr11-119	10.6979	0.382291	0.726803	0.525989	0.598896	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	4548	NM_001130	10525	Hs.277704	NM_006389	ENSG00000	HYOU1	GRP-170|C	hypoxia u	protein-coding
chr1-6253	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr1	62533691	62534531	+	0	NA	intron (N	AluSz|SIN	-63409	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr12-111	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MC5|LIN	39883	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr16-682	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr16	68274423	68275420	+	0	NA	exon (NM_	exon (NM_	10395	NM_001076	9057	Hs.679580	NM_003983	ENSG00000	SLC7A6	LAT-2|LAT	solute ca	protein-coding
chr19-403	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr19	4031792	4032557	+	0	NA	intron (N	intron (N	24438	NM_015897	51588	Hs.105779	NM_015897	ENSG00000	PIAS4	PIAS-gamm	protein i	protein-coding
chr2-8500	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr2	85006424	85008030	+	0	NA	intron (N	intron (N	36066	NM_020122	56888	Hs.654968	NM_020122	ENSG00000	KCMF1	DEBT91|FI	potassium	protein-coding
chr6-3218	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr6	32184571	32187867	+	0	NA	3’ UTR (N	3’ UTR (N	-1897	NM_001206	177	Hs.534342	NM_001136	ENSG00000	AGER	RAGE|SCAR	advanced	protein-coding
chr7-3058	7.177408	-0.45657	0.868081	-0.52595	0.59892	0.981636	chr7	30583694	30584187	+	0	NA	Intergeni	MER4-int|	-6161	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr1-2109	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr1	21093644	21094612	+	0	NA	intron (N	intron (N	17255	NM_003760	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr1-2687	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr1	26878485	26880518	+	0	NA	3’ UTR (N	3’ UTR (N	10782	NM_018066	54707	Hs.14333	NM_018066	ENSG00000	GPN2	ATPBD1B	GPN-loop	protein-coding
chr1-1449	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	AluY|SINE	166292	NM_001330	647135	Hs.497575	NM_001271	ENSG00000	SRGAP2B	SRGAP2L|S	SLIT-ROBO	protein-coding
chr10-113	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	5632	NM_198514	374354	Hs.369924	NM_198514	ENSG00000	NHLRC2	FINCA	NHL repea	protein-coding
chr11-714	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr11	71494182	71501625	+	0	NA	intron (N	intron (N	24400	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr12-644	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr12	64466987	64469566	+	0	NA	intron (N	AluSg|SIN	16156	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr12-101	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-39139	NR_049838	1.01E+08		NR_049838	ENSG00000	MIR548AQ	-	microRNA	ncRNA
chr12-123	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-12480	NM_012463	23545	Hs.25786	NM_012463	ENSG00000	ATP6V0A2	A2|ARCL|A	ATPase H+	protein-coding
chr14-203	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr14	20368452	20369254	+	0	NA	exon (NM_	exon (NM_	25239	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr14-584	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr14	58408889	58409819	+	0	NA	TTS (NM_2	TTS (NM_2	13424	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr14-102	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	L2c|LINE|	64725	NM_001348	122416	Hs.432945	NM_152326	ENSG00000	ANKRD9	-	ankyrin r	protein-coding
chr16-163	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr16	16374356	16376414	+	0	NA	promoter-	promoter-	-662	NM_001282	1.01E+08	Hs.636569	NM_001282	ENSG00000	NPIPA8	LCR16a9|N	nuclear p	protein-coding
chr16-234	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr16	23477721	23479543	+	0	NA	intron (N	intron (N	-25443	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr16-317	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr16	31727389	31727926	+	0	NA	intron (N	L1MA9|LIN	14428	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-180	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr17	18054379	18059198	+	0	NA	intron (N	intron (N	17380	NM_024052	79018	Hs.187422	NM_024052	ENSG00000	GID4	C17orf39|	GID compl	protein-coding
chr17-215	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr17	21533990	21535698	+	0	NA	non-codin	non-codin	16834	NR_160801	339263	Hs.514016	NM_001113	ENSG00000	LINC02693	C17orf51	long inte	ncRNA
chr17-824	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr17	82464420	82465500	+	0	NA	intron (N	MSTA|LTR|	6219	NM_012336	26502	Hs.256526	NM_012336	ENSG00000	NARF	IOP2	nuclear p	protein-coding
chr19-830	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr19	8309379	8316634	+	0	NA	intron (N	AluSz|SIN	-4648	NM_016579	51293	Hs.558499	NM_016579	ENSG00000	CD320	8D6|8D6A|	CD320 mol	protein-coding
chr19-104	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr19	10485429	10486713	+	0	NA	TTS (NM_2	TTS (NM_2	16700	NM_012289	9817	Hs.465870	NM_012289	ENSG00000	KEAP1	INrf2|KLH	kelch lik	protein-coding
chr19-402	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr19	40236338	40240376	+	0	NA	intron (N	intron (N	-11668	NM_024877	79935	Hs.631603	NM_024877	ENSG00000	CNTD2	CCNP	cyclin N-	protein-coding
chr19-520	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr19	52061824	52062262	+	0	NA	intron (N	HERV4_I-i	-13205	NM_014650	9668	Hs.655934	NM_014650	ENSG00000	ZNF432	-	zinc fing	protein-coding
chr2-5591	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr2	55919928	55922323	+	0	NA	intron (N	intron (N	2657	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-1301	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr2	1.3E+08	1.3E+08	+	0	NA	intron (N	L1M4|LINE	16839	NR_033232	55627	Hs.516450	NM_017751	ENSG00000	SMPD4	NET13|NSM	sphingomy	protein-coding
chr2-2034	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	78154	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr22-376	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr22	37615977	37619703	+	0	NA	intron (N	MER113A|D	8800	NM_001172	26088	Hs.499158	NM_013365	ENSG00000	GGA1	-	golgi ass	protein-coding
chr3-6900	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr3	69008230	69009500	+	0	NA	intron (N	intron (N	4819	NR_103826	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr6-1072	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr6	10724599	10731465	+	0	NA	intron (N	L2b|LINE|	4962	NM_016462	51522	Hs.519557	NM_016462	ENSG00000	TMEM14C	C6orf53|H	transmemb	protein-coding
chr6-7362	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr6	73620524	73622018	+	0	NA	intron (N	AluSp|SIN	32721	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr7-8533	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr7	853302	856012	+	0	NA	intron (N	FLAM_A|SI	13283	NM_001367	23353	Hs.438072	NM_025154	ENSG00000	SUN1	UNC84A	Sad1 and	protein-coding
chr7-2483	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr7	24830389	24830893	+	0	NA	intron (N	intron (N	61980	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORP	oxysterol	protein-coding
chr9-1306	6.964337	0.461714	0.878137	0.525788	0.599035	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	7557	NR_106915	1.02E+08		NR_106915	ENSG00000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr1-1509	11.1612	0.368956	0.70251	0.525197	0.599446	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	10751	NM_022075	29956	Hs.744017	NM_013384	ENSG00000	CERS2	L3|LASS2|	ceramide	protein-coding
chr1-1863	11.1612	0.368956	0.70251	0.525197	0.599446	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	16439	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr1-2243	11.1612	0.368956	0.70251	0.525197	0.599446	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	promoter-	promoter-	-442	NR_039896	1.01E+08		NR_039896	ENSG00000	MIR4742	mir-4742	microRNA	ncRNA
chr1-2351	11.1612	0.368956	0.70251	0.525197	0.599446	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-7056	NM_014765	9804	Hs.533192	NM_014765	ENSG00000	TOMM20	MAS20|MOM	transloca	protein-coding
chr11-661	11.1612	0.368956	0.70251	0.525197	0.599446	0.981636	chr11	6616122	6616321	+	0	NA	intron (N	(GAGGTCA)	3201	NM_000391	1200	Hs.523454	NM_000391	ENSG00000	TPP1	CLN2|GIG1	tripeptid	protein-coding
chr12-764	4.470121	-0.58197	1.10814	-0.52518	0.599458	0.981636	chr12	76481571	76482038	+	0	NA	intron (N	Charlie20	-58519	NM_001319	114882	Hs.430849	NM_020841	ENSG00000	OSBPL8	MST120|MS	oxysterol	protein-coding
chr16-196	4.470121	-0.58197	1.10814	-0.52518	0.599458	0.981636	chr16	19670909	19671928	+	0	NA	intron (N	AluSx1|SI	-45038	NM_001305	124152	Hs.460217	NM_153208	ENSG00000	IQCK	-	IQ motif	protein-coding
chr17-746	9.886544	-0.39193	0.746438	-0.52507	0.599535	0.981636	chr17	7462594	7463727	+	0	NA	exon (NM_	exon (NM_	16471	NM_001128	57659	Hs.35096	NM_020899	ENSG00000	ZBTB4	KAISO-L1|	zinc fing	protein-coding
chr1-1461	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA5|LIN	-13859	NM_001039	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr10-100	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	MER21C|LT	29295	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr11-628	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr11	62882190	62889528	+	0	NA	intron (N	MIRb|SINE	4160	NR_037193	6520	Hs.502769	NM_002394	ENSG00000	SLC3A2	4F2|4F2HC	solute ca	protein-coding
chr11-124	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12488	NR_016021	84897	Hs.436410	NM_032811	ENSG00000	TBRG1	NIAM|TB-5	transform	protein-coding
chr17-382	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr17	3820680	3821850	+	0	NA	exon (NM_	exon (NM_	-20077	NM_002208	3682	Hs.513867	NM_002208	ENSG00000	ITGAE	CD103|HUM	integrin	protein-coding
chr19-102	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr19	1029555	1039050	+	0	NA	intron (N	CpG	-5801	NM_019112	10347	Hs.134514	NM_019112	ENSG00000	ABCA7	ABCA-SSN|	ATP bindi	protein-coding
chr19-517	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr19	51705130	51708046	+	0	NA	Intergeni	L2b|LINE|	-13132	NR_108100	1.02E+08	Hs.640185	NR_108100	ENSG00000	SPACA6P-A	LINC01125	SPACA6P a	ncRNA
chr3-1837	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	45390	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr5-1282	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	219639	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr5-1324	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	non-codin	non-codin	1494	NM_001354	3659	Hs.436061	NM_002198	ENSG00000	IRF1	IRF-1|MAR	interfero	protein-coding
chr5-1733	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	7877	NM_003714	8614	Hs.233160	NM_003714	ENSG00000	STC2	STC-2|STC	stannioca	protein-coding
chr7-7519	9.878686	-0.3906	0.744006	-0.525	0.599585	0.981636	chr7	75190223	75194476	+	0	NA	intron (N	intron (N	-20351	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr3-1559	9.837547	-0.39297	0.748564	-0.52497	0.599604	0.981636	chr3	15594736	15594956	+	0	NA	intron (N	intron (N	-6506	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding
chr2-9268	3.725516	0.624425	1.18965	0.524881	0.599666	0.981636	chr2	92684584	92685343	+	0	NA	Intergeni	ALR/Alpha	743830	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-9328	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr1	93289479	93290059	+	0	NA	Intergeni	LTR9A1|LT	56042	NR_034089	1E+08	Hs.732666	NR_034089		CCDC18-AS	-	CCDC18 ar	ncRNA
chr1-1472	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	36730	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr11-238	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr11	2385255	2385835	+	0	NA	intron (N	CpG	-7553	NR_108080	1.02E+08	Hs.675920	NR_108080	ENSG00000	CD81-AS1	-	CD81 anti	ncRNA
chr19-622	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr19	6221273	6222483	+	0	NA	intron (N	intron (N	58097	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr22-185	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr22	18550252	18551203	+	0	NA	Intergeni	Intergeni	-1899	NR_003563	728233	Hs.592456	NR_003563	ENSG00000	PI4KAP1	-	phosphati	pseudo
chr9-1298	6.467749	0.487031	0.927969	0.524836	0.599697	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	10017	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr6-4943	4.88073	-0.55443	1.056534	-0.52477	0.599746	0.981636	chr6	49433374	49433910	+	0	NA	intron (N	intron (N	29611	NM_000255	4594	Hs.485527	NM_000255	ENSG00000	MMUT	MCM|MUT	methylmal	protein-coding
chr15-400	12.60539	-0.34933	0.66577	-0.5247	0.599795	0.981636	chr15	40011021	40016086	+	0	NA	intron (N	THE1B|LTR	25628	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr1-3750	6.692377	-0.47672	0.90926	-0.52429	0.600076	0.981636	chr1	37506254	37506853	+	0	NA	intron (N	AluJo|SIN	-5559	NR_049844	1.01E+08		NR_049844	ENSG00000	MIR5581	-	microRNA	ncRNA
chr3-4569	6.692377	-0.47672	0.90926	-0.52429	0.600076	0.981636	chr3	45691899	45692407	+	0	NA	intron (N	MIRb|SINE	2757	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr1-4569	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr1	45691392	45695864	+	0	NA	TTS (NM_0	TTS (NM_0	5447	NM_016486	51249	Hs.699548	NM_016486	ENSG00000	TMEM69	C1orf154	transmemb	protein-coding
chr1-5655	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr1	56553939	56554732	+	0	NA	intron (N	AluY|SINE	25228	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr1-2127	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	9920	NM_015471	25936	Hs.497692	NM_015471	ENSG00000	NSL1	C1orf48|D	NSL1 comp	protein-coding
chr11-776	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr11	77671632	77672855	+	0	NA	intron (N	intron (N	-34437	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr11-103	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA14|LI	23337	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding
chr14-775	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr14	77548591	77550795	+	0	NA	intron (N	MLT1G|LTR	-50877	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr14-103	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	64936	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr16-215	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr16	21508381	21509241	+	0	NA	Intergeni	Intergeni	-2676	NR_049833	1.01E+08		NR_049833	ENSG00000	MIR3680-2	-	microRNA	ncRNA
chr16-318	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr16	31881007	31886946	+	0	NA	intron (N	AluJb|SIN	10169	NM_003414	10308	Hs.460645	NM_003414	ENSG00000	ZNF267	HZF2	zinc fing	protein-coding
chr17-323	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr17	32332599	32334139	+	0	NA	intron (N	intron (N	8804	NM_022344	64149	Hs.655257	NM_022344	ENSG00000	C17orf75	NJMU-R1|S	chromosom	protein-coding
chr17-323	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr17	32355098	32357007	+	0	NA	intron (N	MIRc|SINE	5914	NM_003457	7756	Hs.500775	NM_003457	ENSG00000	ZNF207	BuGZ|hBuG	zinc fing	protein-coding
chr18-269	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr18	2694340	2696428	+	0	NA	intron (N	AluSq2|SI	39497	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr19-344	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr19	34457571	34459936	+	0	NA	intron (N	intron (N	-23005	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr2-1769	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr2	17691454	17693661	+	0	NA	intron (N	L1PA4|LIN	61253	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-4229	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr2	42294701	42298355	+	0	NA	intron (N	intron (N	63510	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-4394	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr2	43945208	43949845	+	0	NA	intron (N	Charlie4z	48463	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-7136	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr2	71366725	71369741	+	0	NA	intron (N	intron (N	36451	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr2-7140	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr2	71405884	71409076	+	0	NA	intron (N	intron (N	-46081	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LG	dysferlin	protein-coding
chr20-493	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr20	493304	495776	+	0	NA	intron (N	L1MD2|LIN	-32007	NM_144628	128637	Hs.590876	NM_144628	ENSG00000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr20-343	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr20	34375028	34376139	+	0	NA	intron (N	L1MA8|LIN	12310	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIP	itchy E3	protein-coding
chr22-409	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr22	40966660	40966951	+	0	NA	intron (N	intron (N	15427	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr3-1447	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr3	14475424	14476332	+	0	NA	intron (N	intron (N	64464	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr3-1960	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSg7|SI	7141	NM_001128	7037	Hs.529618	NM_003234	ENSG00000	TFRC	CD71|IMD4	transferr	protein-coding
chr4-8474	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr4	84747605	84748237	+	0	NA	intron (N	intron (N	164794	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1063	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	LTR82B|LT	-12970	NM_001163	93627	Hs.151498	NM_033115	ENSG00000	TBCK	HSPC302|I	TBC1 doma	protein-coding
chr4-1192	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	43847	NM_001001	401152	Hs.173705	NM_001001	ENSG00000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr5-3146	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr5	31461345	31464390	+	0	NA	intron (N	intron (N	69226	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-3882	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr5	38821357	38824196	+	0	NA	intron (N	LTR12D|LT	23053	NR_109951	1.02E+08	Hs.546623	NR_109951		OSMR-AS1	CTD-2127H	OSMR anti	ncRNA
chr5-1508	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3274	NM_001172	91975	Hs.134885	NM_052860	ENSG00000	ZNF300	-	zinc fing	protein-coding
chr6-2441	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr6	24410992	24411247	+	0	NA	intron (N	AluSx1|SI	8183	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-1484	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr6	1.48E+08	1.48E+08	+	0	NA	intron (N	L1MB3|LIN	-20078	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUH	SAM and S	protein-coding
chr6-1514	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-25252	NM_020861	57621	Hs.520073	NM_020861	ENSG00000	ZBTB2	ZNF437	zinc fing	protein-coding
chr7-1033	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	18464	NM_014377	27000	Hs.558476	NM_014377	ENSG00000	DNAJC2	MPHOSPH11	DnaJ heat	protein-coding
chr8-6153	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr8	61536916	61549996	+	0	NA	intron (N	L1M4|LINE	146355	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1034	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSc8|SI	10770	NM_030780	81034	Hs.532265	NM_030780	ENSG00000	SLC25A32	MFT|MFTC|	solute ca	protein-coding
chr8-1198	7.161692	-0.45302	0.864277	-0.52416	0.600167	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	MER5A|DNA	14666	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr10-411	16.39053	0.311028	0.593412	0.524135	0.600185	0.981636	chr10	41187960	41188561	+	0	NA	Intergeni	ALR/Alpha	1179785	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-7970	9.401514	-0.40266	0.76836	-0.52405	0.600241	0.981636	chr1	7970973	7972383	+	0	NA	intron (N	AluSq2|SI	9967	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding

chr19-617	9.21784	0.42981	0.820559	0.523801	0.600417	0.981636	chr19	617265	617464	+	0	NA	TTS (NM_0	TTS (NM_0	16173	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr19-358	7.185266	-0.45837	0.875444	-0.52359	0.600563	0.981636	chr19	35897040	35897860	+	0	NA	intron (N	AluSz|SIN	2287	NM_001321	84807	Hs.466531	NM_032721	ENSG00000	NFKBID	IkBNS|Ika	NFKB inhi	protein-coding
chr4-1403	9.894402	-0.39329	0.751159	-0.52357	0.600576	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7752	NM_001153	60592	Hs.480815	NM_032547	ENSG00000	SCOC	HRIHFB207	short coi	protein-coding
chr8-1795	10.63133	0.377329	0.720736	0.523533	0.600604	0.981636	chr8	17952886	17954808	+	0	NA	intron (N	intron (N	30859	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr1-2281	6.393328	0.481788	0.920407	0.523451	0.60066	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	1805	NM_001159	2987	Hs.376933	NM_000858	ENSG00000	GUK1	GMK	guanylate	protein-coding
chr12-102	6.997619	0.465373	0.889118	0.523409	0.600689	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	12374	NM_016053	51019	Hs.405692	NM_016053	ENSG00000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr13-110	6.997619	0.465373	0.889118	0.523409	0.600689	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	8543	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr11-117	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	63508	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-163	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr12	1637478	1637814	+	0	NA	intron (N	AluSg4|SI	8415	NM_032642	81029	Hs.306051	NM_030775	ENSG00000	WNT5B	-	Wnt famil	protein-coding
chr16-197	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr16	1977759	1979144	+	0	NA	TTS (NM_1	TTS (NM_1	3018	NM_172168	124056	Hs.191762	NM_144603	ENSG00000	NOXO1	P41NOX|P4	NADPH oxi	protein-coding
chr17-285	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr17	28546958	28547480	+	0	NA	3’ UTR (N	3’ UTR (N	5405	NM_001330	9094	Hs.410455	NM_005148	ENSG00000	UNC119	HRG4|IMD1	unc-119 l	protein-coding
chr17-644	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr17	64481403	64481842	+	0	NA	intron (N	AluSz|SIN	15432	NM_007215	11232	Hs.437009	NM_007215	ENSG00000	POLG2	HP55|MTPC	DNA polym	protein-coding
chr19-164	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr19	16424102	16425202	+	0	NA	intron (N	intron (N	47318	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr2-1530	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr2	15304795	15305351	+	0	NA	intron (N	THE1D-int	256261	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr2-1214	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	AluY|SINE	-35678	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr20-286	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr20	2861396	2862008	+	0	NA	exon (NM_	exon (NM_	-2493	NM_002836	5786	Hs.269577	NM_002836	ENSG00000	PTPRA	HEPTP|HLP	protein t	protein-coding
chr4-1689	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	Intergeni	L1PA15|LI	27827	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr5-7378	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr5	73785092	73785675	+	0	NA	intron (N	intron (N	-28163	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-1361	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	62348	NM_138419	113115	Hs.121536	NM_138419	ENSG00000	MTFR2	DUFD1|FAM	mitochond	protein-coding
chr8-1442	6.923198	0.460316	0.879494	0.523387	0.600705	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	21345	NR_107057	1.02E+08		NR_107057	ENSG00000	MIR7112	MIR7112-1	microRNA	ncRNA
chr15-627	7.095129	-0.46347	0.885523	-0.52339	0.600706	0.981636	chr15	62720181	62720547	+	0	NA	intron (N	intron (N	73053	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr19-104	7.095129	-0.46347	0.885523	-0.52339	0.600706	0.981636	chr19	10400563	10400762	+	0	NA	intron (N	AluJb|SIN	2876	NR_031592	1E+08		NR_031592	ENSG00000	MIR1181	MIRN1181|	microRNA	ncRNA
chr2-6813	7.095129	-0.46347	0.885523	-0.52339	0.600706	0.981636	chr2	68134225	68134438	+	0	NA	non-codir	non-codir	23196	NM_001256	116143	Hs.631877	NM_138458	ENSG00000	WDR92	-	WD repeat	protein-coding
chr3-8164	7.095129	-0.46347	0.885523	-0.52339	0.600706	0.981636	chr3	81642684	81642883	+	0	NA	exon (NM_	exon (NM_	118862	NM_000158	2632	Hs.436062	NM_000158	ENSG00000	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr13-236	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr13	23659279	23663587	+	0	NA	intron (N	L1PREC2|L	82073	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr17-287	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr17	28720478	28725604	+	0	NA	promoter-	promoter-	-388	NR_000014	26809		NR_000014	ENSG00000	SNORD42A	RNU42A|U4	small nuc	snoRNA
chr18-955	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr18	9551711	9557959	+	0	NA	intron (N	L1MC4|LIN	59724	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr19-175	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr19	17515843	17521770	+	0	NA	intron (N	AluSx1|SI	-4495	NM_001098	199786	Hs.434133	NM_173544	ENSG00000	NIBAN3	BCNP1|FAM	niban apo	protein-coding
chr2-3925	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr2	39256436	39260857	+	0	NA	intron (N	intron (N	-14663	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr22-243	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr22	24369732	24374251	+	0	NA	intron (N	AluSx|SIN	29883	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-5146	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr3	51461100	51462523	+	0	NA	intron (N	L1PA4|LIN	38191	NM_001171	9730	Hs.716623	NM_014703	ENSG00000	DCAF1	RIP|VPRBP	DDB1 and	protein-coding
chr7-1308	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	non-codir	non-codir	-4479	NR_029517	407024		NR_029517	ENSG00000	MIR29B1	MIRN29B1|	microRNA	ncRNA
chr8-9101	9.870828	-0.38928	0.743809	-0.52336	0.600724	0.981636	chr8	91014466	91019624	+	0	NA	intron (N	HAL1|LINE	23814	NM_018710	55529	Hs.202517	NM_018710	ENSG00000	PIP4P2	TMEM55A	phosphati	protein-coding
chr10-240	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr10	240979	241414	+	0	NA	intron (N	AluJb|SIN	61202	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-350	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr10	35041674	35043170	+	0	NA	intron (N	MER21A|LT	31861	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr11-201	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr11	20107796	20108870	+	0	NA	intron (N	intron (N	52142	NM_001029	120237		NM_001029	ENSG00000	DBX1	-	developin	protein-coding
chr13-113	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	25801	NM_001008	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr15-286	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr15	28642611	28643623	+	0	NA	Intergeni	L1MB5|LIN	-11325	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr19-210	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr19	21040416	21040850	+	0	NA	intron (N	MSTB|LTR|	19976	NM_001172	80264	Hs.729202	NM_025189	ENSG00000	ZNF430	-	zinc fing	protein-coding
chr4-1759	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr4	17592138	17592820	+	0	NA	intron (N	L1ME2|LIN	15175	NM_015907	51056	Hs.570791	NM_015907	ENSG00000	LAP3	HEL-S-106	leucine a	protein-coding
chr5-4305	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr5	43054432	43055796	+	0	NA	intron (N	L1PA6|LIN	11857	NR_034127	1E+08	Hs.726831	NM_175919		LOC100132	-	uncharact	ncRNA
chr5-1540	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	14517	NM_001242	4238	Hs.432818	NM_005927	ENSG00000	MFAP3	-	microfibr	protein-coding
chr6-7342	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr6	73428109	73429260	+	0	NA	intron (N	intron (N	23613	NM_138441	115004	Hs.658405	NM_138441	ENSG00000	CGAS	C6orf150|	cyclic GM	protein-coding
chr7-1099	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr7	10993961	10994902	+	0	NA	intron (N	AluSz|SIN	20559	NR_033435	9678	Hs.655688	NM_014660	ENSG00000	PHF14	-	PHD finge	protein-coding
chr8-3777	4.906154	-0.54397	1.039627	-0.52324	0.600809	0.981636	chr8	37773274	37775228	+	0	NA	intron (N	intron (N	11606	NM_001349	11212	Hs.304792	NM_007198	ENSG00000	PLPBP	EPVB6D|PR	pyridoxal	protein-coding
chr11-662	9.159135	0.422324	0.807527	0.522984	0.600985	0.981636	chr11	66275972	66276204	+	0	NA	exon (NM_	exon (NM_	-2087	NR_073078	254263	Hs.437072	NM_182553	ENSG00000	CNIH2	CNIH-2|Cr	cornichon	protein-coding
chr19-451	9.159135	0.422324	0.807527	0.522984	0.600985	0.981636	chr19	45145392	45145717	+	0	NA	exon (NM_	exon (NM_	14596	NM_198478	284353	Hs.299256	NM_198478		NKPD1	-	NTPase KA	protein-coding
chr5-1128	7.069705	-0.47091	0.900459	-0.52296	0.601	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	19543	NM_003135	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr8-4773	16.88712	0.305977	0.585339	0.522735	0.601159	0.981636	chr8	47735922	47737655	+	0	NA	TTS (NM_0	TTS (NM_0	1376	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr17-501	11.68248	-0.36928	0.706654	-0.52257	0.601273	0.981636	chr17	50186655	50186938	+	0	NA	exon (NM_	exon (NM_	-14320	NR_024192	373861	Hs.25934	NM_194072		HILS1	H1.9	histone l	pseudo
chr1-2465	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	14864	NM_022366	64216	Hs.7395	NM_022366	ENSG00000	TFB2M	Hkp1|mtTF	transcrip	protein-coding
chr1-2473	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	L1MB2|LIN	10341	NM_001329	84838	Hs.168677	NM_032752	ENSG00000	ZNF496	NIZP1|ZFP	zinc fing	protein-coding
chr10-775	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr10	7752516	7754793	+	0	NA	3’ UTR (N	3’ UTR (N	34339	NM_012311	22944	Hs.397918	NM_012311	ENSG00000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-103	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	52978	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr11-655	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr11	65545545	65547915	+	0	NA	intron (N	CpG-4462	11498	NM_021070	4054	Hs.289019	NM_021070	ENSG00000	LTBP3	DASS|GPHY	latent tr	protein-coding
chr12-144	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr12	14490541	14492257	+	0	NA	intron (N	HERVL-int	-76333	NR_120465	1.02E+08	Hs.131933	NR_120465	ENSG00000	PLBD1-AS1	-	PLBD1 ant	ncRNA
chr12-123	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	21730	NM_001319	353116	Hs.530315	NM_178314	ENSG00000	RILPL1	GOSPEL|RI	Rab inter	protein-coding
chr15-249	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr15	24976891	24978522	+	0	NA	intron (N	intron (N	-4288	NR_022011	347746	Hs.733072	NR_022011		PWARSN	PAR-SN|PA	Prader Wi	ncRNA
chr16-294	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr16	2946641	2947541	+	0	NA	intron (N	L1MB8|LIN	-17184	NM_001253	79412	Hs.661128	NM_024507	ENSG00000	KREMEN2	KRM2	kringle c	protein-coding
chr16-236	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr16	23625623	23626353	+	0	NA	intron (N	AluJb|SIN	15369	NM_024675	79728	Hs.444664	NM_024675	ENSG00000	PALB2	FANCN|PNC	partner a	protein-coding
chr17-236	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr17	2362822	2366047	+	0	NA	intron (N	intron (N	26933	NM_014853	9905	Hs.513861	NM_014853	ENSG00000	SGSM2	RUTBC1	small G p	protein-coding
chr17-661	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr17	6618055	6618651	+	0	NA	intron (N	MER21C|LT	22358	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr17-140	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr17	14075492	14076235	+	0	NA	intron (N	AluY|SINE	6359	NM_001303	1352	Hs.462278	NM_001303	ENSG00000	COX10	-	cytochrom	protein-coding
chr17-170	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr17	17057813	17058316	+	0	NA	intron (N	intron (N	15304	NM_201274	23164	Hs.462341	NM_015134	ENSG00000	MPRIP	M-RIP|MRI	myosin ph	protein-coding
chr17-490	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr17	49027668	49028639	+	0	NA	intron (N	AluJb|SIN	30768	NM_001160	10642	Hs.144936	NM_006546	ENSG00000	IGF2BP1	CRD-BP|CR	insulin l	protein-coding
chr18-241	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr18	24164108	24165007	+	0	NA	intron (N	AluY|SINE	25073	NM_138644	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding
chr19-108	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr19	10800255	10803751	+	0	NA	intron (N	MIRc|SINE	15493	NR_029586	406976		NR_029586	ENSG00000	MIR199A1	MIR-199-s	microRNA	ncRNA
chr19-366	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr19	36678368	36679250	+	0	NA	Intergeni	AluYb8|SI	8640	NR_110707	1.02E+08	Hs.125653	NR_110707	ENSG00000	LINC01534	-	long inte	ncRNA
chr19-498	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr19	49822073	49824303	+	0	NA	intron (N	AluJr|SIN	4909	NM_030973	81857	Hs.656639	NM_030973	ENSG00000	MED25	ACID1|ARC	mediator	protein-coding
chr19-499	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr19	49997335	50001242	+	0	NA	intron (N	intron (N	26084	NM_016440	51231	Hs.443330	NM_016440	ENSG00000	VRK3	-	VRK serin	protein-coding
chr2-7107	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr2	71078728	71079614	+	0	NA	3’ UTR (N	3’ UTR (N	10523	NM_001330	55577	Hs.7036	NM_017567	ENSG00000	NAGK	GNK|HSA24	N-acetylg	protein-coding
chr2-1591	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-21381	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2005	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1PA3|LIN	9599	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr20-485	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr20	4854484	4862821	+	0	NA	intron (N	intron (N	-35044	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr20-639	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr20	63987985	63992417	+	0	NA	intron (N	MSTA|LTR|	9069	NM_012469	24148	Hs.31334	NM_012469	ENSG00000	PRPF6	ANT-1|ANT	pre-mRNA	protein-coding
chr21-323	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr21	32320448	32320917	+	0	NA	intron (N	intron (N	28869	NM_001285	56246	Hs.584940	NM_178817	ENSG00000	MRAP	B27|C21or	melanocor	protein-coding
chr22-452	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr22	45202337	45206322	+	0	NA	intron (N	intron (N	-3310	NR_031651	1E+08		NR_031651	ENSG00000	MIR1249	MIRN1249|	microRNA	ncRNA
chr3-1503	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr3	15033308	15035823	+	0	NA	intron (N	intron (N	30750	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr3-3736	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr3	37368998	37370086	+	0	NA	Intergeni	MER83B-in	-16727	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-5386	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr3	53868474	53869228	+	0	NA	exon (NM_	exon (NM_	13301	NM_022899	93973	Hs.412186	NM_022899	ENSG00000	ACTR8	ARP8|INO8	actin rel	protein-coding
chr3-1231	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	40130	NR_028444	10954	Hs.477352	NM_006810	ENSG00000	PDIA5	PDIR	protein d	protein-coding
chr3-1976	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-13995	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr5-9699	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr5	96990631	96991311	+	0	NA	intron (N	L1PB1|LIN	32538	NM_175920	4012	Hs.527199	NM_005575	ENSG00000	LNPEP	CAP|IRAP|	leucyl an	protein-coding
chr6-3168	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr6	31688202	31692269	+	0	NA	intron (N	intron (N	-9862	NM_025262	80741	Hs.25738	NM_025262	ENSG00000	LY6G5C	C6orf20|C	lymphocyt	protein-coding
chr6-5795	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr6	57955720	57959366	+	0	NA	intron (N	intron (N	3903	NR_132997	1.07E+08	Hs.561539	NR_003660	ENSG00000	LINC00680	-	LINC00680	pseudo
chr7-5551	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr7	55517385	55519701	+	0	NA	intron (N	intron (N	8337	NM_001321	81552	Hs.488307	NM_030796	ENSG00000	VOPP1	ECOP|GASP	VOPP1 WW	protein-coding
chr8-1232	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	12185	NM_032847	84933	Hs.707401	NM_032847	ENSG00000	C8orf76	-	chromosom	protein-coding
chr9-1360	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-50780	NM_016172	10422	Hs.9194	NM_016172	ENSG00000	UBAC1	GBDR1|KPC	UBA domai	protein-coding
chrX-4062	6.931056	0.458097	0.876822	0.522452	0.601356	0.981636	chrX	40628324	40630943	+	0	NA	3’ UTR (N	3’ UTR (N	6067	NM_001195	347411	Hs.128084	NM_001195	ENSG00000	MPC1L	SLC54A3	mitochond	protein-coding
chr14-739	7.486349	0.445252	0.852286	0.522421	0.601377	0.981636	chr14	73940305	73940781	+	0	NA	intron (N	L2b|LINE|	-9391	NM_182480	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr18-118	7.486349	0.445252	0.852286	0.522421	0.601377	0.981636	chr18	11889357	11891610	+	0	NA	intron (N	AluSz6|SI	17834	NM_001242	65258	Hs.712666	NM_023075	ENSG00000	MPPE1	PGAP5	metalloph	protein-coding
chr1-3128	6.38547	0.484162	0.926825	0.522388	0.6014	0.981636	chr1	31286196	31286528	+	0	NA	intron (N	intron (N	10426	NM_004814	9410	Hs.33962	NM_004814	ENSG00000	SNRNP40	40K|HPRP8	small nuc	protein-coding
chr7-5642	6.38547	0.484162	0.926825	0.522388	0.6014	0.981636	chr7	5642422	5642793	+	0	NA	intron (N	AluSz|SIN	37854	NR_046834	1.01E+08	Hs.665728	NR_046834	ENSG00000	RNF216-IT	-	RNF216 in	ncRNA
chr1-1208	11.16906	0.367567	0.704027	0.522092	0.601606	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	4422	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr1-1705	11.16906	0.367567	0.704027	0.522092	0.601606	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-16913	NR_125958	1.02E+08	Hs.676662	NR_125958		GORAB-AS1	-	GORAB ant	ncRNA
chr1-2036	11.16906	0.367567	0.704027	0.522092	0.601606	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluJo|SIN	-20870	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNO	small nuc	snoRNA
chr12-102	11.16906	0.367567	0.704027	0.522092	0.601606	0.981636	chr12	10216055	10225182	+	0	NA	exon (NM_	exon (NM_	7741	NM_031412	23710	Hs.524250	NM_031412	ENSG00000	GABARAPL1	APG8-LIKE	GABA type	protein-coding
chr9-1116	11.16906	0.367567	0.704027	0.522092	0.601606	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	Intergeni	AluSz|SIN	18894	NM_001017	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chr22-176	10.13475	0.389043	0.745302	0.521993	0.601675	0.981636	chr22	17663827	17665166	+	0	NA	intron (N	THE1D-int	8834	NR_073069	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr1-1494	11.20234	0.369967	0.708852	0.521925	0.601723	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	LSU-rRNA_	-16391	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr1-1787	11.20234	0.369967	0.708852	0.521925	0.601723	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	Tigger2|D	72320	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr9-1324	4.947293	-0.53893	1.034131	-0.52115	0.602264	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	5974	NR_134525	7270	Hs.54780	NM_007344	ENSG00000	TTF1	TTF-1|TTF	transcrip	protein-coding
chr10-270	6.91534	0.462564	0.887973	0.520921	0.602421	0.981636	chr10	27077021	27078689	+	0	NA	intron (N	MIRb|SINE	22643	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr10-125	6.91534	0.462564	0.887973	0.520921	0.602421	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	-16541	NM_147191	118856	Hs.314141	NM_147191	ENSG00000	MMP21	HTX7|MMP-	matrix me	protein-coding
chr3-1016	6.91534	0.462564	0.887973	0.520921	0.602421	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-24205	NR_024407	1E+08	Hs.743292	NR_024407	ENSG00000	ZBTB11-AS	-	ZBTB11 an	ncRNA
chr7-1487	6.91534	0.462564	0.887973	0.520921	0.602421	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	86473	NM_001203	2146	Hs.444082	NM_004456	ENSG00000	EZH2	ENX-1|ENX	enhancer	protein-coding
chr1-4357	6.401186	0.479339	0.920477	0.520751	0.60254	0.981636	chr1	43570755	43571163	+	0	NA	intron (N	intron (N	40076	NM_002840	5792	Hs.272062	NM_002840	ENSG00000	PTPRF	BNAH2|LAR	protein t	protein-coding
chr1-1668	6.401186	0.479339	0.920477	0.520751	0.60254	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13996	NM_017542	57645	Hs.432752	NM_017542	ENSG00000	POGK	BASS2|KRE	pogo tran	protein-coding
chr19-500	6.401186	0.479339	0.920477	0.520751	0.60254	0.981636	chr19	50003365	50003757	+	0	NA	intron (N	intron (N	21811	NM_016440	51231	Hs.443330	NM_016440	ENSG00000	VRK3	-	VRK serin	protein-coding
chr20-342	6.401186	0.479339	0.920477	0.520751	0.60254	0.981636	chr20	34293580	34294755	+	0	NA	intron (N	intron (N	8823	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr7-2480	6.401186	0.479339	0.920477	0.520751	0.60254	0.981636	chr7	24806000	24807565	+	0	NA	exon (NM_	exon (NM_	-48843	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr8-6704	9.450511	-0.40146	0.771367	-0.52046	0.602745	0.981636	chr8	67045091	67045521	+	0	NA	intron (N	AluSx1|SI	-16752	NM_001013	286187	Hs.583933	NM_001013	ENSG00000	PPP1R42	LRRC67|TL	protein p	protein-coding
chr1-7747	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr1	77478245	77478770	+	0	NA	intron (N	THE1B|LTR	195420	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr13-420	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr13	42058343	42059704	+	0	NA	intron (N	MIRb|SINE	10375	NM_152910	160851	Hs.630380	NM_152910	ENSG00000	DGKH	DGKeta	diacylgly	protein-coding
chr13-110	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	23761	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr14-545	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr14	54580401	54581230	+	0	NA	intron (N	L2b|LINE|	13203	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr17-536	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr17	5366538	5366927	+	0	NA	intron (N	AluSx1|SI	-52909	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-826	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr17	82638907	82640049	+	0	NA	intron (N	intron (N	8966	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr18-300	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr18	3008186	3010087	+	0	NA	intron (N	AluSc8|SI	2811	NM_014646	9663	Hs.132342	NM_014646	ENSG00000	LPIN2	-	lipin 2	protein-coding
chr20-119	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr20	11926005	11926384	+	0	NA	3’ UTR (N	3’ UTR (N	8301	NM_014962	22903	Hs.709366	NM_014962	ENSG00000	BTBD3	dJ742J24.	BTB domai	protein-coding
chr3-1242	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr3	12420216	12421895	+	0	NA	intron (N	MIRb|SINE	-63377	NM_001145	80746	Hs.335550	NM_025265	ENSG00000	TSEN2	PCH2B|SEN	tRNA spli	protein-coding
chr3-2559	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr3	25596851	25598422	+	0	NA	TTS (NM_0	TTS (NM_0	66736	NM_001068	7155	Hs.475733	NM_001068	ENSG00000	TOP2B	TOPIIB|to	DNA topoi	protein-coding
chr3-1336	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	37069	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding

chr3-1363	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSx3|SI	67851	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-1062	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-15290	NM_001142	9255	Hs.591680	NM_004757	ENSG00000	AIMP1	EMAP2|EMA	aminoacyl	protein-coding
chr7-1557	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	3' UTR (N	3' UTR (N	28425	NR_132318	6469	Hs.164537	NM_000193	ENSG00000	SHH	HHG1|HLP3	sonic hec	protein-coding
chr8-1053	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr8	1.05E+08	1.05E+08	+	0	NA	intron (N	LTR12C|LT	67517	NM_001362	23414	Hs.431009	NM_012082	ENSG00000	ZFPM2	DIH3|FOG2	zinc fing	protein-coding
chr9-3744	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr9	37449444	37449932	+	0	NA	intron (N	AluSz|SIN	15762	NM_014872	9925	Hs.161276	NM_014872	ENSG00000	ZBTB5	-	zinc fing	protein-coding
chr9-1377	4.939436	-0.53643	1.03114	-0.52023	0.602901	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L1MEf|LIN	20173	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr13-270	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr13	27094133	27094332	+	0	NA	intron (N	AluJr4|SI	-31301	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr13-422	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr13	42286391	42288009	+	0	NA	intron (N	intron (N	15048	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr14-507	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr14	50759469	50760205	+	0	NA	intron (N	intron (N	-61960	NR_135258	1.05E+08	Hs.569387	NR_135258	ENSG00000	LOC10537C	-	uncharact	ncRNA
chr14-572	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr14	57235883	57236082	+	0	NA	intron (N	intron (N	32923	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PF	exocyst c	protein-coding
chr2-3659	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr2	36590382	36591065	+	0	NA	intron (N	intron (N	7445	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr5-3242	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr5	32428101	32428300	+	0	NA	intron (N	AluSx|SIN	16540	NR_144318	51663	Hs.435231	NM_016107	ENSG00000	ZFR	SPG71|ZFF	zinc fing	protein-coding
chr5-1130	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MB4|LIN	28693	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr6-7562	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr6	75624470	75625117	+	0	NA	intron (N	MER104|DN	22913	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSF	SUMO spec	protein-coding
chr7-9261	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr7	92613856	92614112	+	0	NA	3' UTR (N	3' UTR (N	-23594	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-1393	7.120552	-0.45636	0.877249	-0.52022	0.602913	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	30285	NM_016019	51631	Hs.731488	NM_016019	ENSG00000	LUC7L2	CGI-59|CC	LUC7 like	protein-coding
chr8-1011	9.829689	-0.39166	0.752909	-0.5202	0.602923	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5838	NM_016096	51123	Hs.374485	NM_016096	ENSG00000	ZNF706	HSPC038|F	zinc fing	protein-coding
chr1-2647	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr1	26473958	26476335	+	0	NA	exon (NM_	exon (NM_	2706	NM_005517	3151	Hs.181163	NM_005517	ENSG00000	HMGN2	HMG17	high mobi	protein-coding
chr10-314	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr10	31461172	31470131	+	0	NA	intron (N	AluJr4|SI	-65896	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr18-274	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr18	2747291	2749262	+	0	NA	intron (N	LTR105_Ma	92389	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHI	structura	protein-coding
chr18-325	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr18	3253359	3259252	+	0	NA	TTS (NM_C	TTS (NM_C	4092	NM_001303	10627	Hs.190086	NM_006471	ENSG00000	MYL12A	HEL-S-24|	myosin li	protein-coding
chr2-1514	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	Charlie4z	60441	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr20-198	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr20	19895491	19899967	+	0	NA	intron (N	AluJr|SIN	8163	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and F	protein-coding
chr4-5590	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr4	55902241	55902804	+	0	NA	exon (NM_	exon (NM_	-46423	NM_025009	9662	Hs.518767	NM_014645	ENSG00000	CEP135	CEP4|KIAA	centrosom	protein-coding
chr5-3892	9.86297	-0.38795	0.745849	-0.52015	0.602958	0.981636	chr5	38926570	38928739	+	0	NA	intron (N	THE1C-int	81642	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr1-1103	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	18548	NM_001201	9122	Hs.351306	NM_004696	ENSG00000	SLC16A4	MCT4|MCT5	solute ca	protein-coding
chr10-680	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr10	68000068	68001481	+	0	NA	intron (N	MLT1C|LTF	10109	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr10-122	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr10	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	16946	NM_024942	80007	Hs.501286	NM_024942	ENSG00000	C10orf88	-	chromosom	protein-coding
chr12-934	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr12	93409205	93411140	+	0	NA	intron (N	intron (N	31594	NM_001301	11163	Hs.506325	NM_019094	ENSG00000	NUDT4	DIPP-2B|I	nudix hyc	protein-coding
chr12-108	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	18326	NR_039717	1.01E+08		NR_039717	ENSG00000	MIR4496	-	microRNA	ncRNA
chr12-112	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME3G|LI	2724	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr14-617	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr14	61786434	61789134	+	0	NA	intron (N	MER57A1|L	-24378	NM_001367	83851	Hs.404139	NM_031914	ENSG00000	SYT16	CHR14SYT|	synaptota	protein-coding
chr15-588	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr15	58845164	58846315	+	0	NA	intron (N	L1MA2|LIN	74437	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr15-672	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr15	67233673	67235428	+	0	NA	intron (N	L3|LINE|C	20111	NM_024666	79719	Hs.254642	NM_024666	ENSG00000	AAGAB	KPPP1|PPK	alpha anc	protein-coding
chr17-178	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr17	1781261	1782359	+	0	NA	intron (N	AluSq2|SI	10139	NM_001329	5176	Hs.532768	NM_002615	ENSG00000	SERPINF1	EPC-1|OI1	serpin fa	protein-coding
chr17-462	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr17	46215738	46216210	+	0	NA	intron (N	AluSx|SIN	9400	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr18-250	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr18	25090571	25091351	+	0	NA	intron (N	intron (N	-102982	NR_146903	1.05E+08		NR_146903		LINC01894	-	long inte	ncRNA
chr19-436	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr19	43659601	43661519	+	0	NA	intron (N	7SLRNA|sr	9609	NM_002659	5329	Hs.466871	NM_002659	ENSG00000	PLAUR	CD87|U-PA	plasminog	protein-coding
chr2-1359	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-6104	NR_110200	1.02E+08	Hs.602178	NR_110199	ENSG00000	DARS-AS1	-	DARS anti	ncRNA
chr2-1799	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	42074	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr2-2067	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	-4661	NR_036077	1E+08		NR_036077	ENSG00000	MIR3130-1	MIR3130-3	microRNA	ncRNA
chr22-364	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr22	36473689	36474323	+	0	NA	intron (N	intron (N	7634	NM_012473	25828	Hs.211929	NM_012473	ENSG00000	TXN2	COXPD29|M	thioredox	protein-coding
chr4-4789	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr4	47890340	47890549	+	0	NA	intron (N	MIRc|SINE	-23783	NR_125879	1.02E+08	Hs.134190	NR_125879		LOC101927	-	uncharact	ncRNA
chr5-1433	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	L1ME3G|LI	16766	NM_001364	2908	Hs.122926	NM_000176	ENSG00000	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr6-3178	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr6	31789567	31793904	+	0	NA	exon (NM_	exon (NM_	4017	NM_006295	7407	Hs.520026	NM_006295	ENSG00000	VARS	G7A|NDMSC	valyl-tRN	protein-coding
chr6-4178	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr6	41788634	41791063	+	0	NA	TTS (NM_C	TTS (NM_C	2405	NM_001134	1E+08	Hs.731633	NM_001134	ENSG00000	TOMM6	OBTP|TOM6	transloca	protein-coding
chr6-8318	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr6	83184360	83185385	+	0	NA	intron (N	L2|LINE|L	8393	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr6-9654	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr6	96543429	96544731	+	0	NA	intron (N	Tigger6b|	-18445	NM_020482	9457	Hs.632608	NM_020482	ENSG00000	FHL5	1700027GC	four and	protein-coding
chr6-1522	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-49227	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr7-3590	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr7	35902378	35904255	+	0	NA	intron (N	intron (N	102097	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-1033	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	10542	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr7-1280	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	3941	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr8-3892	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr8	38921204	38922264	+	0	NA	intron (N	intron (N	20388	NM_021623	59339	Hs.369123	NM_021623	ENSG00000	PLEKHA2	TAPP2	pleckstri	protein-coding
chr8-1030	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MB8|LIN	22023	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATF	ATPase H+	protein-coding
chrX-2013	7.153834	-0.45122	0.867682	-0.52003	0.603041	0.981636	chrX	20132417	20133508	+	0	NA	intron (N	MER5A1|DN	3451	NR_023358	1E+08		NR_023358		SCARNA9L	-	small Ca	ncRNA
chr1-3750	7.494207	0.443174	0.852415	0.519904	0.603131	0.981636	chr1	37500162	37501939	+	0	NA	promoter-	promoter-	-56	NR_049844	1.01E+08		NR_049844	ENSG00000	MIR5581	-	microRNA	ncRNA
chr11-530	16.36511	0.308355	0.593275	0.519752	0.603237	0.981636	chr11	53024587	53024786	+	0	NA	Intergeni	ALR/Alpha	1579312	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr17-636	9.597018	0.400779	0.771776	0.519295	0.603555	0.981636	chr17	63608102	63608373	+	0	NA	3' UTR (N	3' UTR (N	7342	NM_016360	51204	Hs.174134	NM_016360	ENSG00000	TACO1	CCDC44	translati	protein-coding
chr14-321	10.63919	0.375829	0.723777	0.519261	0.603579	0.981636	chr14	32127291	32128245	+	0	NA	intron (N	SVA_B|Ret	50464	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoC	Rho GTPas	protein-coding
chr22-287	9.360374	-0.40506	0.780537	-0.51895	0.603797	0.981636	chr22	28777729	28777928	+	0	NA	intron (N	intron (N	4691	NM_001284	150275	Hs.406460	NM_173510	ENSG00000	CCDC117	dJ366L4.1	coiled-cc	protein-coding
chr4-7069	9.360374	-0.40506	0.780537	-0.51895	0.603797	0.981636	chr4	70690746	70690951	+	0	NA	TTS (NM_C	TTS (NM_C	2316	NM_020368	57050	Hs.322901	NM_020368	ENSG00000	UTP3	CRL1|CRL2	UTP3 smal	protein-coding
chr7-3064	4.955151	-0.54147	1.04342	-0.51894	0.603803	0.981636	chr7	30641916	30642744	+	0	NA	Intergeni	L1PA2|LIN	40126	NM_001883	1395	Hs.546246	NM_001883	ENSG00000	CRHR2	CRF-RB|CF	corticotr	protein-coding
chr10-879	7.470633	0.449742	0.867394	0.518497	0.604111	0.981636	chr10	87910264	87910633	+	0	NA	intron (N	AluSx1|SI	46823	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr1-1626	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	23683	NM_006182	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidir	protein-coding
chr1-2296	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	17437	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr15-281	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr15	28143832	28144302	+	0	NA	intron (N	intron (N	-44752	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr15-636	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr15	63697616	63698806	+	0	NA	intron (N	AluSq2|SI	-97384	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr17-422	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr17	42216813	42217868	+	0	NA	intron (N	intron (N	-22846	NM_001142	84514	Hs.38039	NM_032484	ENSG00000	GHDC	D11LGP1|I	GH3 domai	protein-coding
chr19-121	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr19	12176189	12178067	+	0	NA	intron (N	L1M3|LINE	14032	NM_003437	7695	Hs.479874	NM_003437	ENSG00000	ZNF136	pHZ-20	zinc fing	protein-coding
chr19-343	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr19	34399915	34400873	+	0	NA	3' UTR (N	3' UTR (N	-4004	NM_001353	84306	Hs.515344	NM_032346	ENSG00000	PDCD2L	-	programme	protein-coding
chr2-9660	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr2	96607767	96608232	+	0	NA	intron (N	intron (N	29992	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr2-2417	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSx|SIN	8938	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr3-1027	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr3	10278915	10280807	+	0	NA	promoter-	promoter-	-490	NR_162141	1.13E+08		NR_162141		MIR12127	-	microRNA	ncRNA
chr3-1963	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	Charlie1a	-32955	NR_046745	1.01E+08	Hs.617990	NR_046745		UBXN7-AS1	-	UBXN7 ant	ncRNA
chr6-4356	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr6	43563522	43566725	+	0	NA	intron (N	AluSz|SIN	10915	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr6-1164	7.460926	0.439699	0.848334	0.518309	0.604243	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	-29971	NM_001276	441168	Hs.381220	NM_001010	ENSG00000	CALHM6	C6orf187|	calcium h	protein-coding
chr1-1111	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr1	11111952	11115559	+	0	NA	intron (N	AluJr4|SI	13736	NR_135063	1.05E+08	Hs.634965	NR_135061	ENSG00000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-1198	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr1	11982379	11984811	+	0	NA	intron (N	intron (N	3414	NM_001127	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusir	protein-coding
chr1-2125	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr1	21255802	21257603	+	0	NA	intron (N	intron (N	22913	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-1500	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	18423	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-1838	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	89460	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr10-285	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr10	28544835	28545783	+	0	NA	intron (N	AluSp|SIN	12191	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domair	protein-coding
chr10-778	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr10	77804182	77812273	+	0	NA	intron (N	intron (N	118528	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr10-778	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr10	77828198	77834487	+	0	NA	intron (N	AluSx|SIN	95413	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr10-103	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	73256	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and F	protein-coding
chr10-133	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR13A|LT	3653	NR_037509	1.01E+08		NR_037509	ENSG00000	MIR3944	-	microRNA	ncRNA
chr11-100	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr11	1007998	1010454	+	0	NA	intron (N	intron (N	27492	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr12-960	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr12	96026162	96027222	+	0	NA	intron (N	MIRb|SINE	8895	NM_000895	4048	Hs.524648	NM_000895	ENSG00000	LTA4H	-	leukotrie	protein-coding
chr12-104	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3' UTR (N	3' UTR (N	9053	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr12-111	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	MLT1J|LTF	7738	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr13-772	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr13	77256862	77258141	+	0	NA	intron (N	L1MA3|LIN	69593	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr13-110	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	27695	NM_018210	55739	Hs.408324	NM_018210	ENSG00000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr14-888	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr14	88872622	88873173	+	0	NA	intron (N	L2a|LINE|	48246	NM_001366	123016	Hs.303055	NM_144596	ENSG00000	TTC8	BBS8|RP51	tetratric	protein-coding
chr15-404	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr15	40462354	40465914	+	0	NA	intron (N	intron (N	-6827	NM_130468	113189	Hs.442449	NM_130468	ENSG00000	CHST14	ATCS|D4ST	carbohydr	protein-coding
chr15-628	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr15	62833903	62834817	+	0	NA	intron (N	intron (N	10403	NR_029709	406965		NR_029709	ENSG00000	MIR190A	MIR190|MI	microRNA	ncRNA
chr16-465	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr16	4650939	4655186	+	0	NA	intron (N	MER21C|LT	-18256	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr16-728	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr16	72886816	72888845	+	0	NA	intron (N	intron (N	160298	NM_006885	463	Hs.598297	NM_006885	ENSG00000	ZFHX3	ATBF1|ATE	zinc fing	protein-coding
chr16-840	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr16	84057757	84060480	+	0	NA	intron (N	intron (N	-16961	NM_001080	146167		NM_001080	ENSG00000	SLC38A8	FVH2	solute ca	protein-coding
chr16-873	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr16	87357297	87358922	+	0	NA	intron (N	intron (N	25667	NM_024735	79791	Hs.567582	NM_024735	ENSG00000	FBXO31	FBX14|FBX	F-box prc	protein-coding
chr16-886	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr16	88628808	88632469	+	0	NA	intron (N	intron (N	-7934	NM_013278	27189	Hs.278911	NM_013278	ENSG00000	IL17C	CX2|IL-17	interleuk	protein-coding
chr17-226	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	2268494	2270124	+	0	NA	intron (N	AluSx1|SI	-3124	NM_001256	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-383	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	3835699	3836897	+	0	NA	intron (N	MIR|SINE|	9948	NM_001114	55421	Hs.120963	NM_018553	ENSG00000	NCBP3	C17orf85|	nuclear c	protein-coding
chr17-182	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	18237165	18238953	+	0	NA	intron (N	intron (N	12424	NM_004140	3996	Hs.513983	NM_004140	ENSG00000	LLGL1	DLG4|HUGI	LLGL scri	protein-coding
chr17-193	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	19317455	19318067	+	0	NA	intron (N	intron (N	-11500	NR_048576	1.01E+08	Hs.621672	NR_048576	ENSG00000	EPN2-AS1	-	EPN2 anti	ncRNA
chr17-294	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	29464876	29465757	+	0	NA	intron (N	AluSg|SIN	74391	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAF	TAO kinas	protein-coding
chr17-403	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	40348772	40350854	+	0	NA	exon (NM_	exon (NM_	-6677	NR_110861	1.02E+08	Hs.655717	NR_110861	ENSG00000	RARA-AS1	-	RARA anti	ncRNA
chr17-812	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr17	81230179	81231931	+	0	NA	intron (N	intron (N	2348	NR_135654	1.05E+08	Hs.620720	NR_135654		LOC105371	-	uncharact	ncRNA
chr18-575	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr18	57550153	57550939	+	0	NA	3' UTR (N	3' UTR (N	36156	NM_001371095								
chr19-136	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	1364136	1371578	+	0	NA	intron (N	intron (N	10438	NR_163149	84939	Hs.515016	NM_032220	ENSG00000	PWWP3A	EXPAND1|F	PWWP doma	protein-coding
chr19-417	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	4177241	4180780	+	0	NA	intron (N	intron (N	3296	NM_001321	51548	Hs.423756	NM_016539	ENSG00000	SIRT6	SIR2L6	sirtuin 6	protein-coding
chr19-139	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	13982288	13983016	+	0	NA	intron (N	AluSx|SIN	23668	NM_002918	5989	Hs.655215	NM_002918	ENSG00000	RFX1	EFC|RFX	regulator	protein-coding
chr19-233	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	23334546	23336736	+	0	NA	Intergeni	L1P2|LINE	59830	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr19-327	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	32711340	32713046	+	0	NA	3' UTR (N	3' UTR (N	-7574	NM_001110	91646	Hs.646351	NM_001015	ENSG00000	TDRD12	ECAT8	tudor dom	protein-coding
chr19-349	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	34940362	34942196	+	0	NA	intron (N	AluSx1|SI	14376	NR_024018	90075	Hs.657402	NM_194325	ENSG00000	ZNF30	KOX28	zinc fing	protein-coding
chr19-407	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr19	40702081	40709909	+	0	NA	intron (N	L1ME2|LIN	9124	NM_001142	79934	Hs.130712	NM_024876	ENSG00000	COQ8B	ADCK4|NPF	coenzyme	protein-coding
chr20-329	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr20	3293814	3297464	+	0	NA	intron (N	intron (N	-56449	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPI	solute ca	protein-coding
chr20-256	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr20	25634187	25637907	+	0	NA	intron (N	MER4A1|LT	11822	NR_126467	1.03E+08	Hs.633621	NR_126465	ENSG00000	ZNF337-AS	-	ZNF337 ar	ncRNA
chr20-366	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr20	36680111	36681400	+	0	NA	intron (N	intron (N	-34559	NM_032214	84174	Hs.713578	NM_032214	ENSG00000	SLA2	C20orf156	Src like	protein-coding
chr20-499	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr20	49907633	49909301	+	0	NA	exon (NM_	exon (NM_	5272	NM_001135	9825	Hs.48513	NM_006038	ENSG00000	SPATA2	PD1|PPP1F	spermatog	protein-coding
chr3-1309	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	61044	NM_001001	27032	Hs.584884	NM_014382	ENSG00000	ATP2C1	ATP2C1A|E	ATPase se	protein-coding
chr5-8670	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr5	867023	872240	+	0	NA	intron (N	MER4D|LTF	-18645	NM_024786	79844	Hs.654874	NM_024786	ENSG00000	ZDHHC11	ZNF399	zinc fing	protein-coding
chr5-1544	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	6676	NR_024084	79685	Hs.592566	NM_024632	ENSG00000	SAP30L	NS4ATP2	SAP30 lik	protein-coding
chr5-1723	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MIR|SINE|	64078	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA

chr6-1331	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr6	13314967	13316841	+	0	NA	intron (N	Tigger2a|	12633	NM_001318	51256	Hs.484678	NM_016495	ENSG00000	TBC1D7	MGCPH|PIC	TBC1 doma	protein-coding
chr7-2994	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr7	29946466	29948346	+	0	NA	intron (N	LTR84a|LT	42395	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr7-6647	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr7	66478074	66480184	+	0	NA	Intergeni	Intergeni	-14503	NR_134573	1E+08	Hs.662276	NR_134570	ENSG00000	GS1-124K5	-	uncharact	ncRNA
chr7-7456	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr7	74562696	74564283	+	0	NA	intron (N	AluSq4|SI	-32479	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr8-1182	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr8	11825911	11829646	+	0	NA	intron (N	AluJr|SIN	18634	NM_001287	2222	Hs.593928	NM_004462	ENSG00000	FDFT1	DGPT|ERG9	farnesyl-	protein-coding
chr8-1893	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr8	18933747	18935662	+	0	NA	intron (N	MIR|SINE|	-47647	NM_001362	23362	Hs.434255	NM_015310	ENSG00000	PSD3	EFA6D|EFA	pleckstri	protein-coding
chr8-2220	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr8	22209388	22210088	+	0	NA	intron (N	(CCCCACG)	22361	NM_014759	9796	Hs.334688	NM_014759	ENSG00000	PHYHIP	DYRK1AP3|	phytanoyl	protein-coding
chr9-9271	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chr9	92717342	92718585	+	0	NA	intron (N	intron (N	46870	NM_015250	23299	Hs.436939	NM_015250	ENSG00000	BICD2	SMALED2|S	BICD carg	protein-coding
chrX-5355	6.938914	0.45585	0.8797	0.518188	0.604327	0.981636	chrX	53551871	53552473	+	0	NA	intron (N	intron (N	4169	NR_029513	407054		NR_029513	ENSG00000	MIR98	MIRLET7L|	microRNA	ncRNA
chr15-857	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr15	85717375	85718281	+	0	NA	intron (N	intron (N	40897	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr16-755	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr16	75574464	75575672	+	0	NA	intron (N	MER5B|DNA	8689	NM_007285	11345	Hs.461379	NM_007285	ENSG00000	GABARAPL2	ATG8|ATG8	GABA type	protein-coding
chr20-583	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr20	58311895	58313006	+	0	NA	intron (N	AluJb|SIN	2735	NM_020673	57403	Hs.529044	NM_020673	ENSG00000	RAB22A	-	RAB22A, m	protein-coding
chr21-440	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr21	44078467	44079114	+	0	NA	intron (N	intron (N	4466	NM_001351	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr4-1551	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr4	15517400	15518934	+	0	NA	intron (N	THE1B-int	48285	NM_001164	57545	Hs.590928	NM_020785	ENSG00000	CC2D2A	JBTS9|MKS	coiled-cc	protein-coding
chr6-1122	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-20504	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr9-9654	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr9	96541034	96541343	+	0	NA	intron (N	intron (N	25643	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-1287	6.972195	0.45945	0.886807	0.518094	0.604392	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	12846	NR_046240	1.01E+08	Hs.62946	NR_046240	ENSG00000	LOC100506	-	uncharact	ncRNA
chr2-1889	12.58967	-0.34718	0.670104	-0.51809	0.604393	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	3318	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr2-5525	7.453068	0.441822	0.853176	0.517856	0.604559	0.981636	chr2	55259902	55261725	+	0	NA	intron (N	intron (N	8366	NM_001005	4528	Hs.149894	NM_002453	ENSG00000	MTIF2	-	mitochonc	protein-coding
chr2-2303	7.453068	0.441822	0.853176	0.517856	0.604559	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	-30901	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr4-1435	6.651238	-0.48014	0.927657	-0.51758	0.60475	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-5428	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr8-6165	6.651238	-0.48014	0.927657	-0.51758	0.60475	0.981636	chr8	61659137	61659371	+	0	NA	intron (N	L2b|LINE|	30557	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr19-121	17.39943	0.299426	0.578724	0.51739	0.604884	0.981636	chr19	12130919	12138500	+	0	NA	intron (N	intron (N	5641	NM_001203	7568	Hs.512823	NM_021143	ENSG00000	ZNF20	KOX13	zinc fing	protein-coding
chr19-527	11.67351	0.356377	0.68923	0.517065	0.605111	0.981636	chr19	52799475	52807840	+	0	NA	intron (N	intron (N	-16866	NM_198457	162966	Hs.696848	NM_198457	ENSG00000	ZNF600	KR-ZNF1	zinc fing	protein-coding
chr19-582	11.67351	0.356377	0.68923	0.517065	0.605111	0.981636	chr19	58241288	58268875	+	0	NA	intron (N	AluY|SINE	-23874	NM_021089	7554	Hs.590941	NM_021089	ENSG00000	ZNF8	HF.18|Zfp	zinc fing	protein-coding
chr16-150	13.02571	-0.34211	0.661682	-0.51704	0.605131	0.981636	chr16	15015339	15016744	+	0	NA	intron (N	intron (N	-5644	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr1-1553	11.17692	0.366158	0.7082	0.517026	0.605138	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-31198	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-1490	16.33183	0.306642	0.593326	0.516818	0.605283	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	16889	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr17-598	19.0247	-0.28818	0.557685	-0.51675	0.605331	0.981636	chr17	59838148	59842081	+	0	NA	3' UTR (N	3' UTR (N	-1152	NR_029493	406991	Hs.444569	NR_029493	ENSG00000	MIR21	MIRN21|hs	microRNA	ncRNA
chr2-3541	6.733517	-0.47278	0.915206	-0.51658	0.605448	0.981636	chr2	3541351	3542054	+	0	NA	non-codin	non-codin	16631	NM_001286	246243	Hs.568006	NM_002936	ENSG00000	RNASEH1	H1RNA|PEC	ribonucle	protein-coding
chr20-373	9.919826	-0.38823	0.751755	-0.51644	0.605548	0.981636	chr20	37301351	37302381	+	0	NA	intron (N	L2c|LINE|	12211	NM_001369	63905	Hs.6126	NM_022077	ENSG00000	MANBAL	-	mannosida	protein-coding
chr3-1838	9.919826	-0.38823	0.751755	-0.51644	0.605548	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	28509	NM_001037	55486	Hs.478469	NM_018622	ENSG00000	PARL	PRO2207|P	presenili	protein-coding
chr17-481	6.230921	-0.50496	0.977842	-0.5164	0.605572	0.981636	chr17	4816163	4816533	+	0	NA	intron (N	AluSx1|SI	9196	NM_001243	5338	Hs.104519	NM_002663	ENSG00000	PLD2	PLD1C	phospholi	protein-coding
chr13-236	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr13	23613567	23613838	+	0	NA	intron (N	intron (N	34342	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr15-412	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr15	41246517	41246915	+	0	NA	intron (N	AluSc8|SI	15448	NM_007236	11261	Hs.406234	NM_007236	ENSG00000	CHP1	CHP|SLC9A	calcineur	protein-coding
chr19-160	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr19	1601084	1602375	+	0	NA	intron (N	MLT1F2|LT	3733	NM_006830	10975	Hs.8372	NM_006830	ENSG00000	UQCR11	0710008D0	ubiquinol	protein-coding
chr2-2226	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	MIRb|SINE	23680	NR_130154	10056	Hs.471452	NM_005687	ENSG00000	FARSB	FARSLB|FF	phenylala	protein-coding
chr3-4730	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr3	47301828	47303249	+	0	NA	intron (N	Tigger2|D	19594	NM_025010	23276	Hs.517946	NM_025010	ENSG00000	KLHL18	-	kelch lik	protein-coding
chr3-1007	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	43093	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr4-7837	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr4	7837617	7838058	+	0	NA	intron (N	AluJb|SIN	34471	NM_001371090								
chr9-1311	7.194973	-0.44789	0.86748	-0.51631	0.60564	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSg|SIN	-28837	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-5195	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr1	51952566	51954166	+	0	NA	intron (N	intron (N	37334	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr10-792	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr10	79229647	79230454	+	0	NA	intron (N	intron (N	-117419	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-920	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr10	92001302	92005175	+	0	NA	intron (N	L1MA9|LIN	79468	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-999	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr11	9996547	9997564	+	0	NA	intron (N	intron (N	157913	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-856	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr11	85632233	85634567	+	0	NA	intron (N	L1PA3|LIN	4827	NM_001193	55863	Hs.525063	NM_018480	ENSG00000	TMEM126B	HT007|MC1	transmemb	protein-coding
chr12-432	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr12	4323858	4324542	+	0	NA	intron (N	intron (N	2987	NM_020375	57103	Hs.504545	NM_020375	ENSG00000	TIGAR	C12orf5|F	TP53 indu	protein-coding
chr12-885	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr12	88524793	88526198	+	0	NA	intron (N	intron (N	54976	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligan	protein-coding
chr12-101	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	105386	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamin	protein-coding
chr12-120	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	L1ME4b|LI	11097	NM_001037	8655	Hs.5120	NM_003746	ENSG00000	DYNLL1	DLC1|DLC8	dynein li	protein-coding
chr13-956	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr13	95639493	95640441	+	0	NA	intron (N	intron (N	4739	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr17-849	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr17	8493916	8494994	+	0	NA	intron (N	intron (N	58571	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-120	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr17	12096858	12097925	+	0	NA	intron (N	(ATTT)n|S	15492	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr19-331	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr19	33107959	33108717	+	0	NA	intron (N	intron (N	-23776	NM_173479	126248	Hs.211046	NM_173479	ENSG00000	WDR88	PQWD	WD repeat	protein-coding
chr2-1586	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	59925	NR_135242	1E+08	Hs.630724	NR_135242	ENSG00000	PKP4-AS1	-	PKP4 anti	ncRNA
chr2-1784	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	14437	NM_001139	8575	Hs.570274	NM_003690	ENSG00000	PRKRA	DYT16|HSD	protein a	protein-coding
chr20-335	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr20	3357905	3359448	+	0	NA	intron (N	L1M7|LINE	48986	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr3-8945	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr3	8945507	8946340	+	0	NA	intron (N	Tigger3b|	17549	NM_020165	56852	Hs.375684	NM_020165	ENSG00000	RAD18	RNF73	RAD18 E3	protein-coding
chr4-1052	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSp|SIN	90276	NR_126420	1.04E+08	Hs.624109	NR_126420		TET2-AS1	-	TET2 anti	ncRNA
chr5-3361	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	33618332	33618987	+	0	NA	intron (N	Tigger2|D	177883	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr5-6909	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	69095792	69096291	+	0	NA	intron (N	AluSx|SIN	2027	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-7386	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	73863537	73863939	+	0	NA	intron (N	L1M6|LINE	50192	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-7849	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	78493205	78493542	+	0	NA	intron (N	intron (N	132756	NM_004866	9522	Hs.482587	NM_004866	ENSG00000	SCAMP1	SCAMP|SCA	secretory	protein-coding
chr5-9889	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	98893487	98894271	+	0	NA	intron (N	intron (N	32655	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr5-1097	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA3|LIN	42608	NM_002372	4124	Hs.432822	NM_002372	ENSG00000	MAN2A1	AMan II|G	mannosida	protein-coding
chr6-1175	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	31391	NM_001017	57120	Hs.191539	NM_020399	ENSG00000	GOPC	CAL|FIG|G	golgi ass	protein-coding
chr7-7475	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr7	74757486	74758165	+	0	NA	intron (N	intron (N	-16137	NM_000265	653361	Hs.647047	NM_000265	ENSG00000	NCF1	NCF1A|NOX	neutrophi	protein-coding
chr7-1359	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	MIRb|SINE	4977	NM_145808	136319	Hs.602015	NM_145808	ENSG00000	MTPN	GCDP|V-1	myotrophi	protein-coding
chr8-5379	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr8	53793585	53794682	+	0	NA	intron (N	L1MC5a|LI	48909	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr9-8932	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chr9	89328054	89328494	+	0	NA	intron (N	Tigger3b|	9423	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chrX-1537	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx1|SI	2302	NM_006280	6748	Hs.409223	NM_006280	ENSG00000	SSR4	CDG1Y|TRA	signal se	protein-coding
chrX-1547	4.931578	-0.53391	1.034171	-0.51627	0.605663	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	1425	NR_002984	677835	Hs.745526	NR_002984	ENSG00000	SNORA56	ACA56	small nuc	snoRNA
chr15-846	6.501031	0.490807	0.950716	0.51625	0.60568	0.981636	chr15	84604297	84604801	+	0	NA	intron (N	MamRep187	3540	NM_001007	54993	Hs.594023	NM_017894	ENSG00000	ZSCAN2	ZFP29|ZNF	zinc fing	protein-coding
chr17-480	6.501031	0.490807	0.950716	0.51625	0.60568	0.981636	chr17	4809721	4810154	+	0	NA	exon (NM_	exon (NM_	2785	NM_001243	5338	Hs.104519	NM_002663	ENSG00000	PLD2	PLD1C	phospholi	protein-coding
chr14-345	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr14	34574827	34575767	+	0	NA	intron (N	AluSq2|SI	-18908	NR_004400	26863		NR_004400	ENSG00000	RNVU1-18	RNU1-25|R	RNA, vari	snRNA
chr21-393	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr21	39300007	39300297	+	0	NA	intron (N	L1MEg|LIN	13480	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr4-1476	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	3' UTR (N	3' UTR (N	17851	NM_018241	55751	Hs.203896	NM_018241	ENSG00000	TMEM184C	TMEM34	transmemb	protein-coding
chr5-1439	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr5	14399293	14402806	+	0	NA	non-codin	non-codin	-62934	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-9051	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr5	90518892	90519362	+	0	NA	exon (NM_	exon (NM_	10457	NM_198273	116068	Hs.136235	NM_198273	ENSG00000	LYSMD3	-	LysM doma	protein-coding
chr9-9225	9.896252	-0.38429	0.744402	-0.51624	0.605687	0.981636	chr9	92250459	92253303	+	0	NA	exon (NM_	exon (NM_	40666	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr1-1554	4.898296	-0.5415	1.049036	-0.51619	0.605721	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	46787	NR_034180	645682	Hs.632482	NR_034180	ENSG00000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr12-647	4.898296	-0.5415	1.049036	-0.51619	0.605721	0.981636	chr12	64714908	64715428	+	0	NA	3' UTR (N	3' UTR (N	44238	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr2-4638	4.898296	-0.5415	1.049036	-0.51619	0.605721	0.981636	chr2	46387981	46389459	+	0	NA	Intergeni	Intergeni	5447	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA
chr7-1573	4.898296	-0.5415	1.049036	-0.51619	0.605721	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	50493	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr12-533	6.684519	-0.47452	0.91939	-0.51613	0.605766	0.981636	chr12	53317153	53317370	+	0	NA	intron (N	AluSx3|SI	4349	NM_015665	8086	Hs.369144	NM_015665	ENSG00000	AAAS	AAA|AAASb	aladin WD	protein-coding
chr15-713	6.684519	-0.47452	0.91939	-0.51613	0.605766	0.981636	chr15	71351868	71352266	+	0	NA	intron (N	intron (N	-163008	NR_120349	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr1-1489	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	9442	NR_037182	653513	Hs.632434	NR_037182		LOC653513	-	phosphodi	pseudo
chr1-1556	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	Intergeni	MER11A|LT	32858	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr11-182	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr11	18286172	18287542	+	0	NA	intron (N	L1MEd|LIN	20593	NM_199161	6288	Hs.632144	NM_000331	ENSG00000	SAA1	PIG4|SAA|	serum amy	protein-coding
chr11-281	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr11	28134401	28135717	+	0	NA	intron (N	LTR25-int	26671	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr11-720	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr11	72094427	72095333	+	0	NA	intron (N	intron (N	8417	NM_017907	55004	Hs.731528	NM_017907	ENSG00000	LAMTOR1	C11orf59|	late endo	protein-coding
chr11-108	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	37378	NM_001321	4863	Hs.171061	NM_002519	ENSG00000	NPAT	E14|E14/N	nuclear p	protein-coding
chr12-118	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	3' UTR (N	3' UTR (N	38197	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homo	protein-coding
chr14-547	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr14	54766816	54767275	+	0	NA	intron (N	intron (N	12212	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr14-678	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr14	67805883	67809403	+	0	NA	exon (NM_	exon (NM_	8947	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-751	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr14	75111320	75113660	+	0	NA	intron (N	intron (N	14558	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr14-963	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr14	96325092	96325640	+	0	NA	intron (N	intron (N	37975	NM_018036	55102	Hs.168241	NM_018036	ENSG00000	ATG2B	C14orf103	autophagy	protein-coding
chr15-427	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr15	42727977	42732367	+	0	NA	exon (NM_	exon (NM_	6956	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr16-236	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr16	23622232	23623053	+	0	NA	intron (N	AluJr|SIN	18715	NM_024675	79728	Hs.444664	NM_024675	ENSG00000	PALB2	FANCN|PNC	partner a	protein-coding
chr17-512	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr17	51208033	51209567	+	0	NA	intron (N	intron (N	42078	NM_001018	4831	Hs.463456	NM_002512	ENSG00000	NME2	NDKB|NDPK	NME/NM23	protein-coding
chr18-362	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr18	36248944	36249565	+	0	NA	intron (N	L2a|LINE|	-48459	NM_001281	80206	Hs.436636	NM_025135	ENSG00000	FHOD3	FHOS2|For	formin ho	protein-coding
chr2-2304	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA8A|LI	72982	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr22-295	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr22	29523912	29532685	+	0	NA	intron (N	intron (N	25357	NM_001002	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr22-317	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr22	31782580	31783464	+	0	NA	intron (N	LTR12B|LT	28999	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr4-4839	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr4	48396498	48397301	+	0	NA	intron (N	L2a|LINE|	55370	NM_020846	57606	Hs.479677	NM_020846	ENSG00000	SLAIN2	KIAA1458	SLAIN mot	protein-coding
chr5-1802	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-29205	NM_175062	255426	Hs.190559	NM_175062	ENSG00000	RASGEF1C	-	RasGEF do	protein-coding
chr6-5404	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr6	540443	543820	+	0	NA	intron (N	L1ME3E|LI	114833	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr7-1151	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr7	1151342	1152515	+	0	NA	TTS (NR_1	TTS (NR_1	8268	NM_001365	90637	Hs.648111	NM_182491	ENSG00000	ZFAND2A	AIRAP	zinc fing	protein-coding
chr7-7330	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr7	73301845	73305513	+	0	NA	exon (NM_	exon (NM_	5147	NM_148956	55695	Hs.510927	NM_018044	ENSG00000	NSUN5	NOL1|NOL1	NOP2/Sun	protein-coding
chr7-1027	7.468783	0.437633	0.848463	0.515795	0.605997	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	6516	NM_001145	222234	Hs.202543	NM_147194	ENSG00000	FAM185A	-	family wi	protein-coding
chr1-2018	11.14364	0.363772	0.705347	0.515734	0.60604	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-7642	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr12-673	11.14364	0.363772	0.705347	0.515734	0.60604	0.981636	chr12	67302456	67302880	+	0	NA	intron (N	intron (N	33310	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr7-1026	11.14364	0.363772	0.705347	0.515734	0.60604	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSg|SIN	5183	NM_032959	246721	Hs.610255	NM_032958	ENSG00000	POLR2J2	HRPB11B|F	RNA polym	protein-coding
chr13-956	6.442326	0.480568	0.932071	0.515592	0.606139	0.981636	chr13	95615138	95616430	+	0	NA	intron (N	intron (N	28922	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr4-1684	6.442326	0.480568	0.932071	0.515592	0.606139	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	ERVL-B4-i	43886	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr6-1185	6.442326	0.480568	0.932071	0.515592	0.606139	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	21902	NR_002730	23629	Hs.648050	NR_002730		BRD7P3	BP75	bromodoma	pseudo
chr12-306	9.327092	-0.40902	0.793371	-0.51555	0.60617	0.981636	chr12	30676095	30676354	+	0	NA	intron (N	AluJr|SIN	1020	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr22-378	8.486458	-0.43718	0.848164	-0.51545	0.606242	0.981636	chr22	37862658	37862935	+	0	NA	intron (N	intron (N	13377	NM_001363	51386	Hs.446852	NM_016091	ENSG00000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr9-6570	9.855112	-0.38661	0.750179	-0.51536	0.606302	0.981636	chr9	65709521	65710068	+	0	NA	intron (N	L1PA3|LIN	-27352	NM_199244	349334	Hs.712520	NM_199244	ENSG00000	FOXD4L4	FOXD4L2|F	forkhead	protein-coding
chr7-1247	7.087271	-0.46177	0.896806	-0.5149	0.606623	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	9207	NM_005302	2861	Hs.406094	NM_005302	ENSG00000	GPR37	EDNRBL|PA	G protein	protein-coding
chr4-1478	11.2102	0.368557	0.715825	0.51487	0.606644	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	93096	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr2-1537	7.061847	-0.46929	0.911964	-0.51459	0.60684	0.981636	chr2	15379793	15379992	+	0	NA	intron (N	intron (N	181442	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr4-6923	10.60591	0.373299	0.725439	0.514584	0.606844	0.981636	chr4	6923611	6924155	+	0	NA	exon (NM_	exon (NM_	14057	NM_020773	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding

chr1-211	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr1	21100184	21100784	+	0	NA	intron (	intron (	10899	NM_00376	8672	Hs.467084	NM_00376	ENSG0000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr10-69	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr10	69011208	69011932	+	0	NA	intron (	AluJb|SIN	22767	NM_015634	26128	Hs.27958	NM_015634	ENSG0000	KIF1BP	KBP|KIAA1	KIF1 bin	protein-coding
chr12-98	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr12	98670912	98673094	+	0	NA	intron (	MIR|SINE|	26703	NM_18186	317	Hs.552567	NM_00116	ENSG0000	APAF1	APAF-1|C	apoptoti	protein-coding
chr12-132	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (	intron (	-21858	NR_00329	347918	Hs.12211	NM_18261	ENSG0000	EP400P1	EP400NL	EP400 ps	pseudo
chr14-391	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr14	39133864	39134500	+	0	NA	intron (	intron (	19898	NM_00361	8487	Hs.652307	NM_00361	ENSG0000	GEMIN2	SIP1|SIP1	gem nucl	protein-coding
chr15-801	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr15	80131585	80132086	+	0	NA	intron (	L2c|LINE|	-21164	NM_000137	2184	Hs.73875	NM_000137	ENSG0000	FAH	-	fumaryla	protein-coding
chr2-263	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr2	26367093	26368941	+	0	NA	intron (	L2a|LINE|	-21228	NM_001321	165082	Hs.63187	NM_15383	ENSG0000	ADGRF3	GPR113|P	adhesion	protein-coding
chr2-105	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	18990	NM_00131	2274	Hs.443687	NM_00145	ENSG0000	FHL2	AAG11|DR	four and	protein-coding
chr2-1751	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	TTS (NM_	TTS (NM_	53814	NR_03063	1E+08		NR_03063	ENSG0000	MIR933	MIRN933|	microRNA	ncRNA
chr2-1967	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	exon (NM_	exon (NM_	23242	NM_00120	9330	Hs.47099	NM_01208	ENSG0000	GTF3C3	TFIIIC10	general t	protein-coding
chr21-29	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr21	29320752	29323620	+	0	NA	intron (	THE1B|LT	16982	NR_02765	571	Hs.15427	NM_00118	ENSG0000	BACH1	BACH-1|B	BTB domai	protein-coding
chr21-37	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr21	37509162	37509638	+	0	NA	intron (	L1ME4b|LI	89101	NM_13043	1859	Hs.36824	NM_00139	ENSG0000	DYRK1A	DYRK|DYR	dual spe	protein-coding
chr9-100	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (	intron (	79164	NM_001161	54881	Hs.49464	NM_01774	ENSG0000	TEX10	Ipi1|bA2	testis e	protein-coding
chr9-1347	7.187115	-0.44611	0.867345	-0.51433	0.607018	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	57679	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr11-707	7.605583	-0.43893	0.853394	-0.51433	0.607019	0.981636	chr11	70798368	70798567	+	0	NA	exon (NM_	exon (NM_	-64323	NR_07353	220070	Hs.32676	NM_14530	ENSG0000	SHANK2-A	C11orf76	SHANK2 a	ncRNA
chr12-10	6.409044	0.476744	0.927035	0.514267	0.607065	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (	AluSp|SIN	-4621	NR_03899	1E+08	Hs.66099	NR_038996		USP30-AS1	-	USP30 ant	ncRNA
chr17-82	6.409044	0.476744	0.927035	0.514267	0.607065	0.981636	chr17	82062507	82063362	+	0	NA	exon (NM_	exon (NM_	2870	NM_02215	64118	Hs.51459	NM_02215	ENSG0000	DUS1L	DUS1|PP31	dihydrou	protein-coding
chr2-995	6.409044	0.476744	0.927035	0.514267	0.607065	0.981636	chr2	99553484	99554735	+	0	NA	intron (	L1ME4a|LI	-64092	NR_135652	51455	Hs.443077	NM_01631	ENSG0000	REV1	AIBP80|R	REV1 DNA	protein-coding
chr3-4741	6.409044	0.476744	0.927035	0.514267	0.607065	0.981636	chr3	47411273	47411964	+	0	NA	exon (NM_	exon (NM_	30597	NM_001304	25930	Hs.25524	NM_01546	ENSG0000	PTPN23	HD-PTP|H	protein t	protein-coding
chr5-431	10.1426	0.387325	0.753482	0.514047	0.607219	0.981636	chr5	43127437	43127961	+	0	NA	intron (	intron (	6134	NM_00133	7690	Hs.535804	NM_00343	ENSG0000	ZNF131	ZBTB35|p	zinc fin	protein-coding
chr5-1347	9.638157	0.401642	0.78149	0.513944	0.607291	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	3’ UTR (	3’ UTR (	-6923	NM_00130	9879	Hs.40654	NM_01482	ENSG0000	DDX46	PRPF5|Pr	DEAD-box	protein-coding
chr19-48	17.44057	0.300202	0.584177	0.51389	0.607329	0.981636	chr19	48965697	48967343	+	0	NA	intron (	intron (	1211	NM_00014	2512	Hs.43367	NM_00014	ENSG0000	FTL	LFTD|NBI	ferritin	protein-coding
chr10-68	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr10	68057929	68059360	+	0	NA	intron (	AluSc|SIN	16639	NM_00127	26091	Hs.51891	NM_015601	ENSG0000	HERC4	-	HECT and	protein-coding
chr11-70	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr11	70377013	70377337	+	0	NA	intron (	intron (	-21331	NM_13856	2017	Hs.596164	NM_005231	ENSG0000	CTTN	EMS1	cortacti	protein-coding
chr11-83	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr11	83201044	83201641	+	0	NA	intron (	L1PA8|LIN	7630	NM_00130	338699	Hs.50343	NM_18260	ENSG0000	ANKRD42	PPP1R79|	ankyrin	protein-coding
chr12-30	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr12	30670268	30671383	+	0	NA	intron (	intron (	6419	NM_00119	10526	Hs.50513	NM_00639	ENSG0000	IPO8	RANBP8	importin	protein-coding
chr13-11	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	7212	NM_01821	55739	Hs.408324	NM_01821	ENSG0000	NAXD	CARKD|LP	NAD(P)HX	protein-coding
chr17-41	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr17	41974535	41974870	+	0	NA	3’ UTR (	3’ UTR (	6905	NM_00133	1267	Hs.273621	NM_03313	ENSG0000	CNP	CNP1	2’,3’-cy	protein-coding
chr19-344	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr19	34472281	34473163	+	0	NA	Intergeni	L1MC5a|LI	-9036	NM_00108	126374	Hs.58501	NM_00108	ENSG0000	WTIP	-	WT1 inte	protein-coding
chr19-531	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr19	53154928	53155208	+	0	NA	intron (	AluSz|SIN	3985	NM_032584	84671	Hs.46723	NM_032584	ENSG0000	ZNF347	ZNF1111	zinc fin	protein-coding
chr2-127	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	L1MEg|LIN	25632	NM_01796	55677	Hs.46987	NM_01796	ENSG0000	IWS1	-	interact	protein-coding
chr2-128	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	2280	NM_004807	9394	Hs.512841	NM_004807	ENSG0000	HS6ST1	HH15|HS6	heparan	protein-coding
chr2-218	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	AluSz|SIN	5172	NM_001271	9125	Hs.148767	NM_005444	ENSG0000	CNOT9	CAF40|CT1	CCR4-NOT	protein-coding
chr2-219	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	MIR3|SINE	3658	NM_00131	23549	Hs.258551	NM_01210	ENSG0000	DNPEP	ASPEP|DA	aspartyl	protein-coding
chr4-135	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr4	13569585	13569992	+	0	NA	3’ UTR (	3’ UTR (	-21964	NR_01545	285548	Hs.529284	NR_015450		LINC0109	-	long int	ncRNA
chr4-122	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	26719	NM_00134	166378	Hs.70964	NM_145207	ENSG0000	SPATA5	AFG2|EHL	spermato	protein-coding
chr5-177	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (	intron (	3511	NM_00136	54540	Hs.48428	NM_019057	ENSG0000	FAM193B	IRIZIO	family wi	protein-coding
chr6-127	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	-54421	NR_12584	1.02E+08	Hs.65677	NR_125849		LOC10192	-	uncharact	ncRNA
chr9-110	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	12949	NM_00119	445815	Hs.59190	NM_00720	ENSG0000	PALM2-AK	AKAP-2|A	PALM2-AK	protein-coding
chrX-2734	7.145976	-0.44938	0.874787	-0.5137	0.607464	0.981636	chrX	2734835	2735734	+	0	NA	3’ UTR (	3’ UTR (	-16768	NM_001141	7499	Hs.17967	NM_17556	ENSG0000	XG	PBDX	Xg glyco	protein-coding
chr1-150	11.64023	0.354068	0.689274	0.513682	0.607474	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	non-codi	non-codi	2491	NM_001077	51107	Hs.10840	NM_01602	ENSG0000	APH1A	6530402N	aph-1 ho	protein-coding
chr1-178	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	non-codi	non-codi	5479	NR_03318	400798	Hs.66808	NM_207467	ENSG0000	C1orf220	-	chromoso	ncRNA
chr10-42	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr10	42592469	42594048	+	0	NA	exon (NM_	exon (NM_	-40388	NR_026777	1E+08	Hs.278064	NR_026777	ENSG0000	ZNF37BP	KOX21|ZN	zinc fin	pseudo
chr16-471	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr16	47152948	47153948	+	0	NA	TTS (NM_	TTS (NM_	9380	NR_110904	1.02E+08	Hs.63465	NR_110903		ITFG1-AS1	-	ITFG1 ant	ncRNA
chr17-637	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr17	63711979	63712343	+	0	NA	intron (	intron (	11823	NR_04627	729683	Hs.534931	NR_046273		LOC72968	-	uncharact	ncRNA
chr2-383	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr2	38342674	38343634	+	0	NA	intron (	AluJb|SIN	33376	NM_00133	64225	Hs.59495	NM_022374	ENSG0000	ATL2	ARL3IP2|	atlastin	protein-coding
chr4-135	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr4	13592747	13593454	+	0	NA	intron (	Tigger4a|	34625	NM_148894	259282	Hs.74493	NM_148894	ENSG0000	BOD1L1	BOD1L|FA	biorient	protein-coding
chr9-129	6.897774	0.454401	0.885021	0.513435	0.607647	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	22240	NR_16319	56904	Hs.46023	NM_02014	ENSG0000	SH3GLB2	PP6569|P	SH3 domai	protein-coding
chr1-196	6.189781	-0.50889	0.991459	-0.51328	0.607757	0.981636	chr1	19626159	19626374	+	0	NA	intron (	intron (	-16963	NM_182744	4681	Hs.65450	NM_00538	ENSG0000	NBL1	D1S1733E|	NBL1, DA	protein-coding
chr11-651	9.888394	-0.38294	0.746442	-0.51303	0.607932	0.981636	chr11	65119196	65121436	+	0	NA	TTS (NM_	TTS (NM_	1818	NM_001997	2197	Hs.38720	NM_001997	ENSG0000	FAU	FAU1|Fub1	FAU ubiq	protein-coding
chr15-42	9.888394	-0.38294	0.746442	-0.51303	0.607932	0.981636	chr15	42217657	42220354	+	0	NA	intron (	L1MA8|LIN	-10701	NM_01528	23339	Hs.88025	NM_01528	ENSG0000	VPS39	TLP|VAM6|	VPS39 su	protein-coding
chr19-12	9.888394	-0.38294	0.746442	-0.51303	0.607932	0.981636	chr19	12533403	12533628	+	0	NA	intron (	AluSz6|SI	17967	NM_14497	163050	Hs.65561	NM_14497	ENSG0000	ZNF564	-	zinc fin	protein-coding
chr2-202	9.888394	-0.38294	0.746442	-0.51303	0.607932	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (	intron (	-3166	NR_003694	1E+08	Hs.69344	NR_003694	ENSG0000	SNORD11B	-	small nu	snoRNA
chr6-1597	9.888394	-0.38294	0.746442	-0.51303	0.607932	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (	intron (	14019	NM_00127	9589	Hs.446091	NM_00490	ENSG0000	WTAP	Mum2	WT1 asso	protein-coding
chr1-258	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr1	25862570	25864618	+	0	NA	exon (NM_	exon (NM_	-4136	NM_001287	79000	Hs.14930	NM_024037	ENSG0000	AUNIP	AIBP|C1o	aurora ki	protein-coding
chr10-91	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr10	91845918	91846877	+	0	NA	intron (	intron (	47971	NM_02523	80351	Hs.329327	NM_02523	ENSG0000	TNKS2	ARTD6|PA	tankyras	protein-coding
chr12-111	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	5961	NM_001177	144717	Hs.17308	NM_144671	ENSG0000	PHETA1	FAM109A|I	PH domai	protein-coding
chr13-951	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr13	95139886	95142217	+	0	NA	intron (	intron (	-69293	NR_14573	1.1E+08		NR_145733		SNORD13G	-	small nu	snoRNA
chr15-424	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr15	42444547	42445030	+	0	NA	intron (	intron (	12779	NM_02247	64397	Hs.51114	NM_02247	ENSG0000	ZNF106	SH3BP3|Z	zinc fin	protein-coding
chr15-49	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr15	49000470	49001649	+	0	NA	exon (NM_	exon (NM_	-37140	NM_20334	399694	Hs.64261	NM_20334	ENSG0000	SHC4	RaLP|SHC	SHC adapt	protein-coding
chr3-119	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (	SVA_F|Ret	3351	NM_005694	10063	Hs.53438	NM_005694	ENSG0000	COX17	-	cytochro	protein-coding
chr5-738	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr5	73898289	73899545	+	0	NA	intron (	intron (	85371	NM_001244	64283	Hs.482521	NM_00108	ENSG0000	ARHGEF28	RGNEF|RI	Rho guani	protein-coding
chr6-4177	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr6	41771672	41774966	+	0	NA	intron (	AluSq2|SI	6581	NM_00665	10817	Hs.19420	NM_00665	ENSG0000	FRS3	FRS2-bet	fibrobla	protein-coding
chr7-257	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr7	2578267	2578716	+	0	NA	exon (NM_	exon (NM_	19512	NM_15255	23288	Hs.520627	NM_15255	ENSG0000	IQCE	1700028P	IQ motif	protein-coding
chr8-672	6.905632	0.452184	0.882329	0.512489	0.608309	0.981636	chr8	67293511	67294563	+	0	NA	intron (	MER2|DNA|	49744	NM_006421	10565	Hs.65690	NM_006421	ENSG0000	ARFGEF1	ARFGEP1|	ADP ribo	protein-coding
chr12-111	7.631006	-0.43223	0.843517	-0.51241	0.608363	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (	AluSq2|SI	26371	NM_001291	10019	Hs.506784	NM_00547	ENSG0000	SH2B3	IDDM20|L	SH2B ada	protein-coding
chr2-1784	7.631006	-0.43223	0.843517	-0.51241	0.608363	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (	intron (	4216	NM_00113	8575	Hs.570274	NM_00369	ENSG0000	PRKRA	DYT16|HS	protein	protein-coding
chr6-170	7.631006	-0.43223	0.843517	-0.51241	0.608363	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (	Looper|DN	9499	NM_003194	6908	Hs.59087	NM_003194	ENSG0000	TBP	GTF2D|GT	TATA-box	protein-coding
chr1-162	11.1025	0.362737	0.708252	0.512159	0.60854	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (	intron (	3944	NM_17586	127933	Hs.12731	NM_144624	ENSG0000	UHMK1	KIS|KIST|	U2AF hom	protein-coding
chr1-2857	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr1	28570807	28572243	+	0	NA	intron (	AluSx1|SI	7297	NR_003077	692212		NR_003077	ENSG0000	SNORD99	HBII-420	small nu	snoRNA
chr1-180	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (	L1ME3A|LI	26855	NM_00581	10228	Hs.518417	NM_00581	ENSG0000	STX6	-	syntaxin	protein-coding
chr1-2051	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (	intron (	6992	NM_00119	5929	Hs.51923	NM_005057	ENSG0000	RBBP5	RBQ3|SWD1	RB bindi	protein-coding
chr11-99	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr11	999894	1001219	+	0	NA	exon (NM_	exon (NM_	36162	NM_005961	4588	Hs.52843	NM_005961	ENSG0000	MUC6	MUC-6	mucin 6,	protein-coding
chr11-73	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr11	73687693	73689283	+	0	NA	intron (	intron (	39575	NM_00113	58473	Hs.44548	NM_02120	ENSG0000	PLEKHB1	KPL1|PHR1	pleckstri	protein-coding
chr11-10	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	59252	NM_001351	472	Hs.367437	NM_000051	ENSG0000	ATM	AT1|ATA|	ATM seri	protein-coding
chr13-27	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr13	27097322	27097670	+	0	NA	intron (	intron (	-28037	NR_046547	1.01E+08	Hs.52492	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr14-677	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr14	67782548	67785223	+	0	NA	intron (	L1ME4b|LI	32705	NM_01534	23503	Hs.98041	NM_01534	ENSG0000	ZFYVE26	FYVE-CEN	zinc fin	protein-coding
chr14-73	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr14	73958819	73960862	+	0	NA	intron (	AluSz|SIN	9538	NM_18247	51004	Hs.13155	NM_18247	ENSG0000	COQ6	CGI-10|C	coenzyme	protein-coding
chr16-71	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr16	71654266	71658230	+	0	NA	intron (	MER90|LT	30064	NM_05285	91862	Hs.51370	NM_05285	ENSG0000	MARVELD3	MARVD3|M	MARVEL d	protein-coding
chr16-82	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr16	82091981	82093342	+	0	NA	intron (	intron (	57408	NM_00215	3294	Hs.16279	NM_00215	ENSG0000	HSD17B2	EDH17B2|	hydroxyst	protein-coding
chr17-83	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr17	8368957	8369438	+	0	NA	exon (NM_	exon (NM_	2343	NM_213597	124751	Hs.304604	NM_213597	ENSG0000	KRBA2	-	KRAB-A d	protein-coding
chr17-19	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr17	19808831	19810017	+	0	NA	intron (	L1MB2|LIN	58512	NM_00114	9706	Hs.16876	NM_01468	ENSG0000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr17-41	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr17	41829688	41832378	+	0	NA	intron (	intron (	-4652	NM_00132	317719	Hs.12751	NM_152467	ENSG0000	KLHL10	SPGF11	kelch li	protein-coding
chr19-13	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr19	13814246	13815735	+	0	NA	intron (	AluJr|SIN	19547	NM_02307	65249	Hs.46601	NM_02307	ENSG0000	ZSWIM4	-	zinc fin	protein-coding
chr19-19	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr19	19505773	19506567	+	0	NA	3’ UTR (	3’ UTR (	9378	NM_032037	83983	Hs.532711	NM_032037	ENSG0000	TSSK6	CT72|FKS	testis s	protein-coding
chr19-42	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr19	42213737	42215478	+	0	NA	intron (	AluJr|SIN	3070	NR_073051	162989	Hs.51543	NM_13332	ENSG0000	DEDD2	FLAME-3|	death eff	protein-coding
chr20-35	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr20	35044162	35046245	+	0	NA	intron (	L1ME3Cz|L	47604	NM_01563	26133	Hs.16807	NM_01563	ENSG0000	TRPC4AP	C20orf18	transient	protein-coding
chr20-49	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr20	49025870	49029130	+	0	NA	intron (	AluJb|SIN	18556	NR_11062	1.03E+08	Hs.20900	NR_110624	ENSG0000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr3-4334	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr3	43342329	43343278	+	0	NA	intron (	intron (	9159	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr3-1264	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (	AluJr|SIN	10096	NM_02511	79364	Hs.44004	NM_02511	ENSG0000	ZXDC	ZXDL	ZXD famil	protein-coding
chr3-170	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (	AluSz6|SI	45871	NM_00274	5584	Hs.47819	NM_00274	ENSG0000	PRKCI	DXS1179E|	protein k	protein-coding
chr4-122	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	3’ UTR (	3’ UTR (	28929	NM_00708	11162	Hs.55845	NM_00708	ENSG0000	NUDT6	ASFGF2|F	nudix hy	protein-coding
chr5-160	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (	intron (	41877	NM_003314	7265	Hs.51971	NM_003314	ENSG0000	TTC1	TPR1	tetratri	protein-coding
chr5-179	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (	intron (	11943	NR_11056	1.02E+08	Hs.66325	NR_11056	ENSG0000	LOC10192	-	uncharact	ncRNA
chr5-181	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	TTS (NM_	TTS (NM_	6902	NM_00134	84851	Hs.45841	NM_03276	ENSG0000	TRIM52	RNF102	tripartit	protein-coding
chr6-248	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr6	24866586	24869392	+	0	NA	intron (	intron (	9281	NM_015864	9750	Hs.55945	NM_01472	ENSG0000	RIPOR2	C6orf32|	RHO famil	protein-coding
chr7-597	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr7	5979945	5980797	+	0	NA	intron (	intron (	-9688	NM_17356	222967	Hs.44233	NM_17356	ENSG0000	RSPH10B	-	radial s	protein-coding
chr7-3301	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr7	33015177	33015921	+	0	NA	intron (	AluJb|SIN	25357	NM_00135	51251	Hs.48793	NM_01648	ENSG0000	NT5C3A	NT5C3|P5’	5’-nucle	protein-coding
chr7-396	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr7	39629699	39632183	+	0	NA	intron (	L1M5|LINE	7369	NM_00540	5898	Hs.6906	NM_00540	ENSG0000	RALA	RAL	RAS like	protein-coding
chr9-124	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	20184	NM_002077	2800	Hs.59504	NM_002077	ENSG0000	GOLGA1	golgin-97	golgin A1	protein-coding
chr9-1291	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (	intron (	12312	NM_00119	5524	Hs.40074	NM_021131	ENSG0000	PTPA	PP2A|PPP	protein	protein-coding
chr9-133	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-4565	NM_00127	6838	Hs.27443	NM_00675	ENSG0000	SURF6	RRP14	surfeit	protein-coding
chrX-1401	7.435502	0.434207	0.847905	0.512094	0.608585	0.981636	chrX	14019476	14020825	+	0	NA	exon (NM_	exon (NM_	9742	NM_01785	54960	Hs.592237	NM_01785	ENSG0000	GEMIN8	FAM51A1	gem nucl	protein-coding
chr9-1374	7.005477	0.463105	0.904477	0.512013	0.608642	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (	intron (	-2811	NR_106964	1.02E+08		NR_106964	ENSG0000	MIR7114	hsa-mir-7	microRNA	ncRNA
chr2-9721	12.17795	0.346128	0.676488	0.511654	0.608893	0.981636	chr2	97216784	97217992	+	0	NA	intron (	intron (	-61329	NR_10373	1.01E+08	Hs.73261	NR_103732		LOC10050	-	uncharact	ncRNA
chr15-77	7.427644	0.436292	0.852748	0.511631	0.60891	0.981636	chr15	77269811	77272066	+	0	NA	intron (	L1PA5|LIN	-45534	NR_02681	81698	Hs.65693	NM_030944		LINC00597	C15orf5	long int	ncRNA
chr19-18	7.427644	0.436292	0.852748	0.511631	0.60891	0.981636	chr19	18915964	18916763	+	0	NA	intron (	AluJo|SIN	3024	NM_199444	11316	Hs.10326	NM_00726	ENSG0000	COPE	epsilon-	coatomer	protein-coding
chr5-1604	7.427644	0.436292	0.852748	0.511631	0.60891	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (	HAL1|LINE	4232	NM_001364	10569	Hs.43534	NM_00642	ENSG0000	SLU7	9G8|hSlu7	SLU7 hom	protein-coding
chr1-120	11.64808	0.35274	0.689492	0.511593	0.608936	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (	HAL1M8|LI	-99214	NR_00324	767846	Hs.65718	NR_00324	ENSG0000	PFN1P2	C1orf152|	profilin	pseudo
chr10-40	10.68033	0.376717	0.736361	0.511593	0.608936	0.981636	chr10	40987052	40988009	+	0	NA	Intergeni	ALR/Alpha	1380515	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr12-101	11.71465	0.357386	0.698666	0.511526	0.608983	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (	MLT1H-int	109959	NM_00128	121601	Hs.58785	NM_17882	ENSG0000	ANO4	TMEM16D	anoctami	protein-coding
chr1-108	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	AluSx1|SI	-14133	NM_015127	23155	Hs.65848	NM_015127	ENSG0000	CLCC1	MCLC	chloride	protein-coding
chr1-112	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	TTS (NR_1	TTS (NR_1	8485	NR_103744	1.01E+08	Hs.41828	NR_10374	ENSG0000	SLC16A1-A	-	SLC16A1 a	ncRNA
chr12-127	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr12	12719375	12720977	+	0	NA	intron (	intron (	2906	NM_004064	1027	Hs.23899	NM_004064	ENSG0000	CDKN1B	CDKN4|KI	cyclin d	protein-coding
chr13-51	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr13	51377794	51378556	+	0	NA	intron (	intron (	-29536	NR_04987	1.01E+08		NR_04987	ENSG0000	MIR5693	-	microRNA	ncRNA
chr15-55	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr15	55313645	55313929	+	0	NA	Intergeni	AluY|SINE	5336	NM_00130	1.02E+08	Hs.49351	NM_00130	ENSG0000	PIGBOS1	HP06981	PIGB opp	protein-coding
chr6-117	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (	L1MA5|LIN	4116	NM_001017	57120	Hs.19153	NM_02039	ENSG0000	GOPC	CAL|FIG|	golgi as	protein-coding
chr8-276	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr8	27659306	27659667	+	0	NA	exon (NM_	exon (NM_	25426	NM_18282	51435	Hs.12885	NM_01624	ENSG0000	SCARA3	APC7|CSR|	scavenge	protein-coding
chr9-129	7.623148	-0.43052	0.841745	-0.51146	0.609032	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (	AluSz6|SI	29662	NR_106914	1.02E+08		NR_106914	ENSG0000	MIR6855	hsa-mir-	microRNA	ncRNA
chr2-203	10.32443	-0.37464	0.732551	-0.51142	0.609057	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (	THE1B|LT	82102	NM_001114	65065	Hs.64884	NM_19894	ENSG0000	NBEAL1	A530083I	neurobea	protein-coding
chr14-921	6.889916	0.456604	0.893561	0.510994	0.609355	0.981636	chr14	92126685	92127046	+	0	NA	intron (	L2a|LINE|	4896	NM_00132	53981	Hs.65763	NM_017437	ENSG0000	CPSF2	CPSF100	cleavage	protein-coding
chr1-176	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr1	17637394	17640429	+	0	NA	intron (	intron (	20598	NM_00132	55160	Hs.44346	NM_01812	ENSG0000	ARHGEF10	GrinchGEF	Rho guani	protein-coding
chr1-258	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr1	25867948	25871353	+	0	NA	intron (	intron (	1603	NM_17842	164091	Hs.52365	NM_17842	ENSG0000	PAQR7	MPRA|PGL	progesti	protein-coding

chr1-1761	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	44536	NM_001001	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr11-689	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr11	68936223	68938162	+	0	NA	intron (N	intron (N	33341	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr15-430	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr15	43008022	43008908	+	0	NA	intron (N	MER52A|LT	-87687	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr15-748	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr15	74800784	74802630	+	0	NA	exon (NM_	exon (NM_	-11128	NM_021819	79748	Hs.620644	NM_021819	ENSG00000	LMAN1L	ERGIC-53L	lectin, m	protein-coding
chr16-682	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr16	68249205	68250936	+	0	NA	intron (N	intron (N	4697	NM_001363	23659	Hs.632199	NM_012320	ENSG00000	PLA2G15	ACS|GXVPL	phospholi	protein-coding
chr17-647	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr17	64785167	64786739	+	0	NA	intron (N	intron (N	-3954	NR_026899	1.09E+08	Hs.117853	NR_026899	ENSG00000	ARHGAP27P	-	ARHGAP27P	pseudo
chr19-104	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr19	10450355	10450794	+	0	NA	intron (N	intron (N	-2358	NM_006202	5141	Hs.89901	NM_006202	ENSG00000	PDE4A	DPDE2|PDE	phosphodi	protein-coding
chr19-214	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr19	21400251	21400619	+	0	NA	intron (N	intron (N	3302	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr19-452	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr19	45296834	45298102	+	0	NA	intron (N	intron (N	25407	NM_001824	1158	Hs.334347	NM_001824	ENSG00000	CKM	CKMM|CPK-	creatine	protein-coding
chr2-1178	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr2	11781742	11784585	+	0	NA	intron (N	intron (N	15719	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr2-5540	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr2	55402922	55403253	+	0	NA	intron (N	Charlie1a	16769	NM_001365	55704	Hs.292925	NM_018084	ENSG00000	CCDC88A	APE|GIRDI	coiled-cc	protein-coding
chr3-1852	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	non-codir	non-codir	9269	NM_001242	9175	Hs.591306	NM_004721	ENSG00000	MAP3K13	LZK|MEKK1	mitogen-a	protein-coding
chr4-8966	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr4	896601	897071	+	0	NA	intron (N	intron (N	35480	NM_005255	2580	Hs.369607	NM_005255	ENSG00000	GAK	DNAJ26|DN	cyclin G	protein-coding
chr9-1268	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1M4|LINE	13751	NM_014007	23099	Hs.355581	NM_014007	ENSG00000	ZBTB43	ZBTB22B|Z	zinc fing	protein-coding
chr9-1290	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	14352	NR_072983	57171	Hs.21701	NM_020438	ENSG00000	DOLPP1	LSFR2	dolichylc	protein-coding
chrX-1300	6.946772	0.453513	0.888391	0.510488	0.60971	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	46988	NM_001184	63035	Hs.496748	NM_021946	ENSG00000	BCORL1	BCoR-L1|C	BCL6 core	protein-coding
chrX-4133	9.385798	-0.39958	0.782926	-0.51037	0.609795	0.981636	chrX	41337827	41338155	+	0	NA	non-codir	non-codir	3825	NM_001363	1654	Hs.728563	NM_001356	ENSG00000	DDX3X	CAP-Rf|DE	DEAD-box	protein-coding
chr1-2131	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	L1PA6|LIN	109506	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr12-124	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	MIRb|SINE	-8941	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr15-412	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr15	41274863	41275385	+	0	NA	intron (N	intron (N	-8866	NR_152822	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr16-749	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr16	74907174	74908820	+	0	NA	TTS (NM_0	TTS (NM_0	77126	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr17-647	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr17	64755673	64758624	+	0	NA	intron (N	AluJr|SIN	-23611	NR_106728	1.02E+08		NR_106728	ENSG00000	MIR6080	hsa-mir-6	microRNA	ncRNA
chr2-6740	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr2	67409751	67410387	+	0	NA	3’ UTR (N	3’ UTR (N	12736	NM_019002	54465	Hs.353022	NM_019002	ENSG00000	ETAA1	ETAA16	ETAA1 act	protein-coding
chr2-7447	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr2	74474373	74475613	+	0	NA	exon (NM_	exon (NM_	-2313	NM_053050	116540	Hs.534527	NM_053050	ENSG00000	MRPL53	L53MT	mitochonc	protein-coding
chr20-622	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr20	62279260	62283762	+	0	NA	intron (N	intron (N	-21385	NM_175573	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr4-2719	7.476641	0.435574	0.853565	0.5103	0.609841	0.981636	chr4	2719504	2722014	+	0	NA	intron (N	L1ME3B|LI	35577	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr1-1114	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	HY1|scRNA	2418	NM_024102	79084	Hs.204773	NM_024102	ENSG00000	WDR77	HKMT1069|	WD repeat	protein-coding
chr10-312	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr10	3128399	3129028	+	0	NA	intron (N	intron (N	-5391	NR_132758	1.07E+08		NR_132758		SNORD142	SNORA85|S	small nuc	snoRNA
chr14-313	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr14	31370448	31371647	+	0	NA	intron (N	MER58A|DN	49503	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr15-101	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	MER72|LTR	27375	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr2-8649	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr2	86492121	86493222	+	0	NA	TTS (NM_0	TTS (NM_0	51210	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1957	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	57183	NM_020342	57181	Hs.650158	NM_020342	ENSG00000	SLC39A10	LZT-Hs2	solute ca	protein-coding
chr2-2018	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MEd|LIN	34074	NM_001261	65061	Hs.348711	NM_139158	ENSG00000	CDK15	ALS2CR7|F	cyclin de	protein-coding
chr3-5809	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr3	58096131	58096906	+	0	NA	intron (N	AluSx1|SI	74117	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr4-1508	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	Tigger2|D	187200	NM_001199	987	Hs.480938	NM_006726	ENSG00000	LRBA	BGL|CDC4L	LPS respo	protein-coding
chr5-3719	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr5	37190204	37190602	+	0	NA	intron (N	AluJo|SIN	-58643	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-6935	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr5	69355257	69355988	+	0	NA	intron (N	intron (N	-13675	NM_133343	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr5-1155	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	5841	NM_020177	56929	Hs.47367	NM_020177	ENSG00000	FEM1C	EUROIMAGE	fem-1 hom	protein-coding
chr8-5621	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr8	56216637	56217421	+	0	NA	intron (N	intron (N	5240	NM_001011	79145	Hs.436913	NM_024300	ENSG00000	CHCHD7	COX23	coiled-cc	protein-coding
chr9-3243	7.179257	-0.44426	0.870762	-0.5102	0.609912	0.981636	chr9	32431604	32431952	+	0	NA	exon (NM_	exon (NM_	47135	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEI	aconitase	protein-coding
chr11-998	10.35771	-0.37111	0.727727	-0.50996	0.610079	0.981636	chr11	9989110	9989520	+	0	NA	intron (N	L1PA17|LI	150173	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-645	10.35771	-0.37111	0.727727	-0.50996	0.610079	0.981636	chr17	64535734	64566089	+	0	NA	intron (N	intron (N	43934	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr19-404	10.35771	-0.37111	0.727727	-0.50996	0.610079	0.981636	chr19	40440308	40442030	+	0	NA	3’ UTR (N	3’ UTR (N	1429	NM_013368	29946	Hs.515412	NM_013368	ENSG00000	SERTAD3	RBT1	SERTA dom	protein-coding
chr19-582	10.35771	-0.37111	0.727727	-0.50996	0.610079	0.981636	chr19	58297827	58298286	+	0	NA	3’ UTR (N	3’ UTR (N	-7318	NR_144445	1.05E+08	Hs.435404	NR_144445	ENSG00000	ERVK3-1	-	endogenou	ncRNA
chr9-8365	10.35771	-0.37111	0.727727	-0.50996	0.610079	0.981636	chr9	83651702	83652304	+	0	NA	Intergeni	L1MB8|LIN	28860	NM_001001	414328	Hs.530261	NM_001001	ENSG00000	IDNK	C9orf103|	IDNK gluc	protein-coding
chr19-265	37.97564	0.216625	0.424906	0.509818	0.610179	0.981636	chr19	26549334	26550130	+	0	NA	Intergeni	ALR/Alpha	-1243699	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-2740	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr1	27406937	27409650	+	0	NA	exon (NM_	exon (NM_	15671	NM_005281	2827	Hs.66542	NM_005281	ENSG00000	GPR3	ACCA	G protein	protein-coding
chr1-3885	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr1	38853176	38857047	+	0	NA	intron (N	intron (N	4661	NM_001271	64121	Hs.532461	NM_022157	ENSG00000	RRAGC	GTR2|RAGC	Ras relat	protein-coding
chr1-1204	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	MIRc|SINE	-62651	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-2130	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	exon (NM_	exon (NM_	7129	NM_001300	90806	Hs.157078	NM_144567	ENSG00000	ANGEL2	Ccr4d|KIA	angel hom	protein-coding
chr1-2191	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr1	2.19E+08	2.19E+08	+	0	NA	intron (N	L1PA10|LI	22195	NM_001300	127018	Hs.657617	NM_138794	ENSG00000	LYPLAL1	Q96AV0	lysophosp	protein-coding
chr10-133	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr10	13321757	13322764	+	0	NA	intron (N	AluSx|SIN	-22130	NM_001323	5264	Hs.498732	NM_006214	ENSG00000	PHYH	LN1|LNAP1	phytanoyl	protein-coding
chr10-742	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr10	74283842	74284459	+	0	NA	intron (N	AluSp|SIN	107387	NM_001369	132	Hs.656586	NM_001123	ENSG00000	ADK	AK	adenosine	protein-coding
chr10-792	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr10	79276539	79280478	+	0	NA	intron (N	SVA_D|Ret	-68961	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr11-330	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	33068760	33075966	+	0	NA	intron (N	L2b|LINE|	-3787	NR_015451	283267	Hs.533701	NR_015451	ENSG00000	LINC00294	NCRNA0029	long inte	ncRNA
chr11-433	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	43399797	43403398	+	0	NA	intron (N	intron (N	42677	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-434	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	43457049	43459688	+	0	NA	intron (N	MLT1H|LTR	99448	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-598	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	59806223	59808183	+	0	NA	intron (N	L2b|LINE|	3575	NM_017840	54948	Hs.530734	NM_017840	ENSG00000	MRPL16	L16mt|MRP	mitochonc	protein-coding
chr11-674	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	67491767	67494442	+	0	NA	intron (N	CpG	2859	NR_106810	1.02E+08		NR_106810	ENSG00000	MIR6752	hsa-mir-6	microRNA	ncRNA
chr11-688	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr11	68890932	68897931	+	0	NA	intron (N	AluSx1|SI	9401	NM_181514	219927	Hs.503047	NM_181512	ENSG00000	MRPL21	L21mt|MRP	mitochonc	protein-coding
chr12-195	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr12	1958465	1959934	+	0	NA	intron (N	L1MA8|LIN	-22623	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr12-881	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr12	88176445	88177220	+	0	NA	intron (N	L2|LINE|L	34525	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr12-960	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr12	96002904	96006209	+	0	NA	intron (N	intron (N	-8191	NM_001258	3034	Hs.190783	NM_002108	ENSG00000	HAL	HIS|HSTD	histidine	protein-coding
chr12-109	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MB7|LIN	19377	NM_001145	121642	Hs.374458	NM_001001	ENSG00000	ALKBH2	ABH2	alkB homo	protein-coding
chr12-122	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	13741	NR_036187	1E+08		NR_036187	ENSG00000	MIR4304	-	microRNA	ncRNA
chr14-344	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr14	34453198	34457509	+	0	NA	intron (N	AluSq4|SI	6887	NM_138288	171546	Hs.740577	NM_138288	ENSG00000	SPTSSA	C14orf147	serine pa	protein-coding
chr14-556	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr14	55636448	55637866	+	0	NA	intron (N	L2b|LINE|	56950	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr14-911	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr14	91199049	91201529	+	0	NA	intron (N	intron (N	44415	NM_001177	8111	Hs.8882	NM_003485	ENSG00000	GPR68	AI2A6|GPR	G protein	protein-coding
chr15-649	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr15	64956767	64965888	+	0	NA	Intergeni	Intergeni	28143	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr16-669	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr16	669874	674380	+	0	NA	exon (NM_	exon (NM_	-3544	NM_001278	9028	Hs.137572	NM_003961	ENSG00000	RHBDL1	RHBDL|RRP	rhomboid	protein-coding
chr16-466	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr16	4664215	4674202	+	0	NA	intron (N	AluSz|SIN	-2110	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr16-555	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr16	55578227	55580073	+	0	NA	exon (NM_	exon (NM_	12466	NM_032330	84290	Hs.660027	NM_032330	ENSG00000	CAPNS2	CSS2	calpain s	protein-coding
chr16-570	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr16	57020731	57022376	+	0	NA	intron (N	AluJr|SIN	4479	NM_032206	84166	Hs.528836	NM_032206	ENSG00000	NLRC5	CLR16.1|N	NLR famil	protein-coding
chr16-748	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr16	74887395	74888675	+	0	NA	intron (N	AluSx|SIN	97088	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr17-544	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr17	5443751	5445917	+	0	NA	intron (N	intron (N	-5679	NM_001212	708	Hs.555866	NM_001212	ENSG00000	C1QBP	COXPD33|C	complemen	protein-coding
chr17-752	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr17	75244969	75246776	+	0	NA	intron (N	intron (N	15734	NM_014001	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr17-788	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr17	78854010	78857757	+	0	NA	intron (N	CpG	-15356	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr18-566	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr18	56605043	56608782	+	0	NA	intron (N	MER44A|DN	31680	NR_024546	9352	Hs.114412	NM_004786	ENSG00000	TXNL1	HEL-S-114	thioredox	protein-coding
chr19-558	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	5586491	5601789	+	0	NA	exon (NM_	exon (NM_	-26106	NR_027064	257000	Hs.515575	NM_153375	ENSG00000	TINCR	LINC00036	TINCR ubi	ncRNA
chr19-122	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	12277926	12279930	+	0	NA	intron (N	L1MB4|LIN	15684	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KC	zinc fing	protein-coding
chr19-214	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	21410820	21412508	+	0	NA	intron (N	AluSx3|SI	14531	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr19-357	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	35727614	35734478	+	0	NA	intron (N	intron (N	11406	NR_144338	79713	Hs.352548	NM_024660	ENSG00000	IGFLR1	TMEM149	IGF like	protein-coding
chr19-394	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	39487915	39492124	+	0	NA	3’ UTR (N	3’ UTR (N	-8928	NM_203486	10683	Hs.127792	NM_016941	ENSG00000	DLL3	SCDO1	delta lik	protein-coding
chr19-472	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	47220661	47223573	+	0	NA	intron (N	intron (N	-4825	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr19-493	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	49354272	49355988	+	0	NA	intron (N	intron (N	6387	NM_001256	8463	Hs.515534	NM_003598	ENSG00000	TEAD2	ETF|TEAD-	TEA domai	protein-coding
chr19-553	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	55305527	55310455	+	0	NA	intron (N	intron (N	17350	NR_104066	284417	Hs.382625	NM_001085	ENSG00000	TMEM150B	DRAM3|TME	transmemb	protein-coding
chr19-556	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr19	55664641	55666475	+	0	NA	intron (N	intron (N	-9637	NM_001321	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-4608	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr2	46086201	46090376	+	0	NA	intron (N	intron (N	-209119	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-2312	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	exon (NM_	exon (NM_	41364	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-472	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr20	47285984	47287918	+	0	NA	intron (N	intron (N	-31551	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr20-638	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr20	63880559	63888957	+	0	NA	intron (N	intron (N	-10368	NM_025219	80331	Hs.164419	NM_025219	ENSG00000	DNAJC5	CLN4|CLN4	DnaJ heat	protein-coding
chr21-452	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr21	45264197	45267448	+	0	NA	3’ UTR (N	3’ UTR (N	22073	NM_015227	23275	Hs.592164	NM_015227	ENSG00000	POFUT2	C21orf80|	protein O	protein-coding
chr22-193	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr22	19391259	19397319	+	0	NA	intron (N	intron (N	37444	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr22-216	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr22	21673764	21676990	+	0	NA	intron (N	AluSc|SIN	9365	NM_148175	23759	Hs.438587	NM_014337	ENSG00000	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr6-4314	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr6	43144573	43147674	+	0	NA	intron (N	AluJr4|SI	-25146	NM_003131	6722	Hs.520140	NM_003131	ENSG00000	SRF	MCM1	serum res	protein-coding
chr6-4349	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr6	43498804	43504115	+	0	NA	intron (N	intron (N	8884	NM_001012	221424	Hs.445552	NM_001012	ENSG00000	LRRC73	C6orf154	leucine r	protein-coding
chr6-1600	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-34874	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr7-5648	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr7	5648861	5651796	+	0	NA	intron (N	intron (N	30133	NR_046834	1.01E+08	Hs.665728	NR_046834	ENSG00000	RNF216-IT	-	RNF216 in	ncRNA
chr7-6144	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr7	6144274	6152435	+	0	NA	intron (N	AluJb|SIN	23783	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr7-7553	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr7	75536700	75542299	+	0	NA	intron (N	AluJr|SIN	-11376	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr7-1279	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-66942	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr7-1398	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	50002	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr8-9449	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr8	94498521	94499848	+	0	NA	intron (N	FLAM_C|SI	-24069	NM_001205	25788	Hs.30561	NM_006550	ENSG00000	RAD54B	RDH54	RAD54 hom	protein-coding
chr9-3409	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr9	34092637	34098708	+	0	NA	intron (N	AluJb|SIN	31026	NM_015397	25853	Hs.493750	NM_015397	ENSG00000	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr9-6058	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr9	60584176	60585230	+	0	NA	Intergeni	ALR/Alpha	-329704	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr9-9547	7.44336	0.432141	0.848033	0.50958	0.610345	0.981636	chr9	95475802	95478607	+	0	NA	intron (N	MER5A|DNA	13595	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr11-116	6.475607	0.484258	0.950393	0.509535	0.610378	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	LTR54|LTR	-112508	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr12-122	13.07655	-0.33446	0.656648	-0.50935	0.61051	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz6|SI	-12232	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr1-1872	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr1	1872587	1873569	+	0	NA	intron (N	FLAM_C|SI	18009	NM_002074	2782	Hs.430425	NM_002074	ENSG00000	GNB1	MRD42	G protein	protein-coding
chr1-8568	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr1	85685678	85687038	+	0	NA	intron (N	intron (N	22075	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr10-994	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr10	99416058	99416936	+	0	NA	intron (N	L1PA5|LIN	14127	NM_002079	2805	Hs.500756	NM_002079	ENSG00000	GOT1	AST1|ASTQ	glutamic-	protein-coding
chr11-707	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr11	70792711	70793239	+	0	NA	intron (N	AluJb|SIN	-69815	NR_073536	220070	Hs.326766	NM_145308	ENSG00000	SHANK2-AS	C11orf76	SHANK2 an	ncRNA
chr13-495	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr13	49538405	49540220	+	0	NA	intron (N	intron (N	42256	NM_001040	51131	Hs.369039	NM_001040	ENSG00000	PHF11	APY|BCAP|	PHD finge	protein-coding
chr15-250	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr15	25021894	25023073	+	0	NA	intron (N	intron (N	-9390	NR_146168	1.01E+08	Hs.592473	NR_146168		PWAR6	HBT8|PAR-	Prader Wi	ncRNA
chr18-318	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr18	31857704	31858920	+	0	NA	intron (N	intron (N	84816	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr3-1430	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	37138	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr6-1472	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	MLT1C|LTR	-41162	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr7-8785	4.92372	-0.53133	1.043512	-0.50917	0.610632	0.981636	chr7	87853433	87854764	+	0	NA	intron (N	intron (N	22262	NM_018843	55972	Hs.208414	NM_018843	ENSG00000	SLC25A40	MCFP	solute ca	protein-coding
chr12-118	4.972717	-0.52884	1.038907	-0.50904	0.610726	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSx1|SI	15032	NM_018639	55884	Hs.506985	NM_018639	ENSG00000	WSB2	SBA2	WD repeat	protein-coding
chr16-500	4.972717	-0.52884	1.038907	-0.50904	0.610726	0.981636	chr16	50079838	50080845	+	0	NA	intron (N	intron (N	14371	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr11-642	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr11	64243470	64244670	+	0	NA	TTS (NM_0	TTS (NM_0	-1796	NR_135087	1.05E+08	Hs.697228	NR_135086	ENSG00000	PPP1R14B-	-	PPP1R14B	ncRNA
chr11-653	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr11	65336407	65337033	+	0	NA	intron (N	AluSc5|SI	2868	NM_001330	5977	Hs.13495	NM_006268	ENSG00000	DPF2	CSS7|REQ|	double PH	protein-coding
chr11-681	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr11	68158527	68158813	+	0	NA	exon (NM_	exon (NM_	-37279	NM_212469	1119	Hs.77221	NM_001277	ENSG00000	CHKA	CHK|CK|CK	choline k	protein-coding

chr13-983	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr13	98377938	98378309	+	0	NA	intron (N	intron (N	144002	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-572	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr15	57285320	57288469	+	0	NA	3’ UTR (N	3’ UTR (N	-8237	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr16-693	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr16	69372856	69373214	+	0	NA	intron (N	intron (N	12972	NM_005652	7014	Hs.63335	NM_005652	ENSG00000	TERF2	TRBF2|TRF	telomeric	protein-coding
chr20-385	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr20	38542824	38543090	+	0	NA	intron (N	intron (N	26394	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR54802	-	microRNA	ncRNA
chr5-6607	7.61529	-0.42885	0.843217	-0.50858	0.611045	0.981636	chr5	66075728	66077441	+	0	NA	intron (N	intron (N	-67716	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr2-5814	4.222104	0.565297	1.111567	0.508558	0.611062	0.981636	chr2	58142720	58143641	+	0	NA	intron (N	intron (N	96468	NM_001130	7444	Hs.715298	NM_006296	ENSG00000	VRK2	-	VRK serin	protein-coding
chr15-847	7.982937	0.426055	0.837963	0.508441	0.611144	0.981636	chr15	84767956	84768490	+	0	NA	intron (N	AluSz|SIN	19631	NM_014630	9640	Hs.79347	NM_014630	ENSG00000	ZNF592	CAMOS|SCA	zinc fing	protein-coding
chr7-1124	10.38128	-0.37502	0.73789	-0.50824	0.611286	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	11210	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interfero	protein-coding
chr1-1232	6.91349	0.449895	0.885227	0.508226	0.611295	0.981636	chr1	12321909	12322999	+	0	NA	intron (N	intron (N	92424	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr15-429	6.91349	0.449895	0.885227	0.508226	0.611295	0.981636	chr15	42981273	42981926	+	0	NA	intron (N	AluY|SINE	-60821	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr16-249	6.91349	0.449895	0.885227	0.508226	0.611295	0.981636	chr16	2497143	2497550	+	0	NA	intron (N	intron (N	-16380	NM_001198	527	Hs.389107	NM_001694	ENSG00000	ATP6V0C	ATP6C|ATP	ATPase H+	protein-coding
chr19-344	6.91349	0.449895	0.885227	0.508226	0.611295	0.981636	chr19	34490992	34492535	+	0	NA	intron (N	AluSc8|SI	10005	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr20-295	6.91349	0.449895	0.885227	0.508226	0.611295	0.981636	chr20	2951237	2951813	+	0	NA	intron (N	MER74A|LT	28318	NM_080841	5786	Hs.269577	NM_002836	ENSG00000	PTPRA	HEPTP|HLP	protein t	protein-coding
chr1-8570	9.880536	-0.38156	0.750774	-0.50823	0.611295	0.981636	chr1	85703160	85706299	+	0	NA	intron (N	intron (N	3704	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr1-1090	9.880536	-0.38156	0.750774	-0.50823	0.611295	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJb|SIN	7376	NM_005645	6884	Hs.632426	NM_005645	ENSG00000	TAF13	MRT60|TAF	TATA-box	protein-coding
chr17-752	9.880536	-0.38156	0.750774	-0.50823	0.611295	0.981636	chr17	75210495	75210963	+	0	NA	intron (N	AluY|SINE	5050	NM_024844	79902	Hs.362817	NM_024844	ENSG00000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr5-1037	9.880536	-0.38156	0.750774	-0.50823	0.611295	0.981636	chr5	10379460	10379849	+	0	NA	intron (N	AluY|SINE	-22710	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr19-371	12.14467	0.343897	0.676729	0.508175	0.611331	0.981636	chr19	37126636	37128521	+	0	NA	exon (NM_	exon (NM_	44858	NM_199126	199704	Hs.659236	NM_152655	ENSG00000	ZNF585A	-	zinc fing	protein-coding
chr14-306	4.964859	-0.52637	1.035896	-0.50813	0.611362	0.981636	chr14	30637218	30638012	+	0	NA	intron (N	intron (N	15296	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr5-1721	4.964859	-0.52637	1.035896	-0.50813	0.611362	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	Ricksha_C	62378	NM_005990	6793	Hs.744005	NM_005990	ENSG00000	STK10	LOK|PRO27	serine/th	protein-coding
chr7-1294	4.964859	-0.52637	1.035896	-0.50813	0.611362	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	HERVL-int	14579	NM_001134	57464	Hs.489988	NM_020704	ENSG00000	STRIP2	FAM40B|FA	striatin	protein-coding
chr15-636	7.419786	0.438448	0.862967	0.50807	0.611404	0.981636	chr15	63649008	63649879	+	0	NA	intron (N	intron (N	-48616	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr19-402	7.419786	0.438448	0.862967	0.50807	0.611404	0.981636	chr19	4021897	4022126	+	0	NA	intron (N	AluJo|SIN	14275	NM_015897	51588	Hs.105779	NM_015897	ENSG00000	PIAS4	PIAS-gamm	protein i	protein-coding
chr9-1002	7.419786	0.438448	0.862967	0.50807	0.611404	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	AluSx|SIN	125996	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr1-1213	11.11821	0.359931	0.708679	0.50789	0.611531	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	10460	NR_104189	1.01E+08	Hs.568525	NR_104189	ENSG00000	SRGAP2-AS	-	SRGAP2 ar	ncRNA
chr11-875	6.717801	-0.46863	0.922977	-0.50774	0.611637	0.981636	chr11	8751378	8751630	+	0	NA	intron (N	LTR12C|LT	-17274	NR_120590	1.03E+08	Hs.613276	NR_120590		LOC102724	-	uncharact	ncRNA
chr19-199	10.31657	-0.37339	0.735526	-0.50765	0.611695	0.981636	chr19	1993177	1993394	+	0	NA	intron (N	intron (N	22429	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr1-2074	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr1	20743417	20750252	+	0	NA	intron (N	AluJb|SIN	-14131	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr1-4023	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr1	40235610	40237341	+	0	NA	exon (NM_	exon (NM_	-11462	NM_001008	127391	Hs.406265	NM_001008	ENSG00000	TMCO2	dJ39G22.2	transmemb	protein-coding
chr19-213	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr19	21326062	21327646	+	0	NA	intron (N	AluSp|SIN	2556	NM_021269	7562	Hs.466296	NM_021269	ENSG00000	ZNF708	KOX8|ZNF1	zinc fing	protein-coding
chr2-2267	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	AluSz|SIN	13254	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr4-1195	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	70209	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr5-3492	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr5	34921631	34923663	+	0	NA	intron (N	intron (N	-6912	NM_001012	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr5-1282	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	195240	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr5-1764	10.34985	-0.36985	0.728571	-0.50763	0.61171	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	43704	NM_014901	22838	Hs.434888	NM_014901	ENSG00000	RNF44	-	ring fing	protein-coding
chr10-778	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr10	7781525	7782457	+	0	NA	intron (N	AluSq|SIN	6002	NM_012311	22944	Hs.397918	NM_012311	ENSG00000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-877	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr10	87711684	87717489	+	0	NA	intron (N	intron (N	54708	NM_001015	9060	Hs.524491	NM_004670	ENSG00000	PAPSS2	ATPSK2|BC	3’-phosph	protein-coding
chr12-579	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr12	57957559	57958270	+	0	NA	3’ UTR (N	3’ UTR (N	16347	NM_033276	91419	Hs.61188	NM_033276	ENSG00000	ATP23	KUB3|XRCC	ATP23 met	protein-coding
chr2-1961	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	25961	NM_004226	9262	Hs.88297	NM_004226	ENSG00000	STK17B	DRAK2	serine/th	protein-coding
chr3-5333	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr3	53333759	53334977	+	0	NA	intron (N	L1MEd|LIN	-1241	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr4-7579	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr4	75799332	75802019	+	0	NA	exon (NM_	exon (NM_	76153	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-1317	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSp|SIN	67072	NM_001008	96459	Hs.591273	NM_133372	ENSG00000	FNIP1	-	folliculi	protein-coding
chr7-7344	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr7	73449421	73451360	+	0	NA	intron (N	intron (N	16612	NM_003508	8326	Hs.647029	NM_003508	ENSG00000	FZD9	CD349|FZD	frizzled	protein-coding
chr8-2665	7.65643	-0.42575	0.838975	-0.50747	0.611827	0.981636	chr8	26655307	26657343	+	0	NA	3’ UTR (N	3’ UTR (N	77920	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr1-1611	11.68922	0.353701	0.69707	0.50741	0.611867	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	exon (NM_	exon (NM_	4214	NM_001185	4817	Hs.146406	NM_005600	ENSG00000	NIT1	-	nitrilase	protein-coding
chr1-1545	12.15253	0.342623	0.675815	0.506977	0.612171	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	Tigger3b|	10882	NM_001193	103	Hs.12341	NM_001111	ENSG00000	ADAR	ADAR1|AGS	adenosine	protein-coding
chr1-1602	12.15253	0.342623	0.675815	0.506977	0.612171	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSp|SIN	-13015	NR_002190	474338	Hs.621179	NR_002190		SUMO1P3	-	SUMO1 pse	pseudo
chr1-1851	7.965372	0.418626	0.825935	0.50685	0.61226	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	28720	NM_030934	81627	Hs.107149	NM_030934	ENSG00000	TRMT1L	C1orf25|M	tRNA meth	protein-coding
chr10-109	7.965372	0.418626	0.825935	0.50685	0.61226	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	L2c|LINE|	16348	NM_001324	7511	Hs.390623	NM_020383	ENSG00000	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr12-319	7.965372	0.418626	0.825935	0.50685	0.61226	0.981636	chr12	31972263	31972559	+	0	NA	intron (N	AluY|SINE	12996	NM_018169	55196	Hs.445129	NM_018169	ENSG00000	RESF1	C12orf35|	retroelem	protein-coding
chr3-1002	7.965372	0.418626	0.825935	0.50685	0.61226	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSx|SIN	19033	NM_001199	55773	Hs.477003	NM_018309	ENSG00000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr7-5912	7.965372	0.418626	0.825935	0.50685	0.61226	0.981636	chr7	5912628	5913071	+	0	NA	exon (NM_	exon (NM_	14116	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr3-3386	12.70967	0.347733	0.686093	0.506831	0.612273	0.981636	chr3	33865182	33865449	+	0	NA	exon (NM_	exon (NM_	66685	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr13-956	6.980053	0.457077	0.902145	0.506655	0.612397	0.981636	chr13	95601200	95602523	+	0	NA	intron (N	(TCCCTGG)	42845	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr1-1506	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	15060587	15065104	+	0	NA	intron (N	intron (N	89619	NR_027136	200197	Hs.531424	NM_182534	ENSG00000	TMEM51-AS	C1orf126	TMEM51 ar	ncRNA
chr1-3277	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	32773524	32791669	+	0	NA	intron (N	intron (N	16969	NM_001198	57648	Hs.591502	NM_020888	ENSG00000	KIAA1522	-	KIAA1522	protein-coding
chr1-8883	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	88832868	88833763	+	0	NA	exon (NM_	exon (NM_	58252	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr1-9358	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	93580962	93584440	+	0	NA	exon (NM_	exon (NM_	2461	NM_001308	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr1-1801	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-31106	NM_033343	89884	Hs.658487	NM_033343	ENSG00000	LHX4	CPHD4	LIM homeo	protein-coding
chr1-2242	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1ME4a|LI	-27732	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr10-383	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr10	383110	383731	+	0	NA	intron (N	intron (N	203426	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-297	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr10	29720326	29721063	+	0	NA	intron (N	L1MEc|LIN	15107	NM_003174	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr10-934	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr10	93400850	93408896	+	0	NA	intron (N	intron (N	77461	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-956	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr10	95630529	95631950	+	0	NA	intron (N	intron (N	25472	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-124	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	13621	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr12-928	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr12	92811083	92811516	+	0	NA	exon (NM_	exon (NM_	74810	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-115	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	157375	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr13-197	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr13	19739369	19742646	+	0	NA	intron (N	AluSx|SIN	41938	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr15-590	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr15	59093979	59096806	+	0	NA	3’ UTR (N	3’ UTR (N	-9754	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr17-826	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr17	82600376	82605280	+	0	NA	3’ UTR (N	3’ UTR (N	45616	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr18-880	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr18	8809539	8811363	+	0	NA	intron (N	intron (N	93070	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-110	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr19	11066628	11067540	+	0	NA	Intergeni	AluSz6|SI	-22278	NM_000527	3949	Hs.213289	NM_000527	ENSG00000	LDLR	FH|FHC|LD	low densi	protein-coding
chr2-7455	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr2	74556442	74558162	+	0	NA	TTS (NM_1	TTS (NM_1	3142	NM_001318	1796	Hs.103854	NM_001381	ENSG00000	DOK1	P62DOK|pp	docking p	protein-coding
chr2-1714	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSz|SIN	-20003	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr2-2031	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-101323	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr2-2244	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr2	2.24E+08	2.25E+08	+	0	NA	intron (N	intron (N	69972	NM_001257	8452	Hs.372286	NM_003590	ENSG00000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr20-347	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr20	34731643	34732848	+	0	NA	intron (N	intron (N	27526	NM_001329	58476	Hs.516994	NM_021202	ENSG00000	TP53INP2	C20orf110	tumor pro	protein-coding
chr20-639	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr20	63937934	63941405	+	0	NA	TTS (NR_1	TTS (NR_1	1875	NR_031735	1E+08		NR_031735	ENSG00000	MIR1914	MIRN1914|	microRNA	ncRNA
chr22-177	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr22	17709001	17709899	+	0	NA	intron (N	AluSx|SIN	2792	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-5265	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr3	52651167	52651706	+	0	NA	intron (N	L1MA3|LIN	34163	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PB	polybromo	protein-coding
chr3-1946	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	AluSp|SIN	13842	NM_018385	55341	Hs.744061	NM_018385	ENSG00000	LSG1	-	large 60S	protein-coding
chr3-1968	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-54579	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr4-1593	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	79607	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-1074	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr5	10740151	10744575	+	0	NA	intron (N	AluSq4|SI	18871	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr5-4071	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr5	40710367	40710864	+	0	NA	TTS (NM_0	TTS (NM_0	30700	NM_000958	5734	Hs.199248	NM_000958	ENSG00000	PTGER4	EP4|EP4R	prostagla	protein-coding
chr5-7558	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr5	75581327	75583684	+	0	NA	intron (N	intron (N	-28971	NM_001276	728780	Hs.370455	NM_001271	ENSG00000	ANKDD1B	-	ankyrin r	protein-coding
chr5-9677	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr5	96775647	96779327	+	0	NA	intron (N	L4_C_Mam|	30458	NM_001040	51752	Hs.666524	NM_016442	ENSG00000	ERAP1	A-LAP|ALA	endoplasm	protein-coding
chr6-5250	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr6	52501083	52511676	+	0	NA	intron (N	L2c|LINE|	70681	NM_012288	9697	Hs.520182	NM_012288	ENSG00000	TRAM2	-	transloca	protein-coding
chr6-9689	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr6	96890772	96892148	+	0	NA	intron (N	intron (N	6431	NM_014165	29078	Hs.512144	NM_014165	ENSG00000	NDUFAF4	C6orf66|H	NADH:ubiq	protein-coding
chr6-1175	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	56671	NM_001366	285761	Hs.658304	NM_173674	ENSG00000	DCBLD1	dJ94G16.1	discoidin	protein-coding
chr7-1301	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	3479	NM_032842	84928	Hs.267245	NM_032842	ENSG00000	TMEM209	NET31	transmemb	protein-coding
chr7-1512	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-1089	NR_030407	768213		NR_030407	ENSG00000	MIR671	MIRN671|h	microRNA	ncRNA
chr9-1320	7.648572	-0.42407	0.837211	-0.50653	0.612488	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	2815	NM_001253	9442	Hs.374262	NM_004269	ENSG00000	MED27	CRAP34|CR	mediator	protein-coding
chr9-1208	7.664288	-0.42746	0.844025	-0.50646	0.612534	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24270	NR_027442	1E+08	Hs.706815	NR_027442		B3GNT10	-	UDP-GlcNA	pseudo
chr9-1333	7.664288	-0.42746	0.844025	-0.50646	0.612534	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	6111	NM_033161	6836	Hs.512465	NM_033161	ENSG00000	SURF4	ERV29	surfeit 4	protein-coding
chr3-1830	13.10983	-0.3317	0.655307	-0.50617	0.612734	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-32284	NM_001308	54165	Hs.592789	NM_020640	ENSG00000	DCUN1D1	DCNL1|DCU	defective	protein-coding
chr1-1580	6.375762	0.472641	0.934152	0.505957	0.612887	0.981636	chr1	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	48210	NR_145471	1.01E+08	Hs.664656	NR_145471		KIRREL1-I	KIRREL-IT	KIRREL1 i	ncRNA
chr1-1627	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-11732	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-2302	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	176948	NM_001258	79605	Hs.520463	NM_024554	ENSG00000	PGBD5	-	piggyBac	protein-coding
chr16-892	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr16	8921687	8922747	+	0	NA	intron (N	AluSx|SIN	14422	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr17-178	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr17	17892883	17894181	+	0	NA	intron (N	intron (N	-56521	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr17-809	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr17	80945850	80947360	+	0	NA	intron (N	L1MB3|LIN	24608	NR_148968	400627	Hs.591201	NR_148968	ENSG00000	LOC400627	-	uncharact	ncRNA
chr4-1836	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSc|SIN	27696	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr8-3069	7.973229	0.416662	0.823874	0.505735	0.613043	0.981636	chr8	30694507	30696415	+	0	NA	intron (N	AluSx1|SI	32385	NM_000637	2936	Hs.271510	NM_000637	ENSG00000	GSR	GR|HEL-75	glutathio	protein-coding
chr12-770	4.229962	0.561632	1.111348	0.505361	0.613305	0.981636	chr12	77057520	77057986	+	0	NA	intron (N	intron (N	7816	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr11-941	6.676661	-0.47215	0.934541	-0.50522	0.613404	0.981636	chr11	94180714	94180938	+	0	NA	exon (NM_	exon (NM_	51985	NM_015368	24145	Hs.591976	NM_015368	ENSG00000	PANX1	MRS1|PX1|	pannexin	protein-coding
chr4-7032	6.676661	-0.47215	0.934541	-0.50522	0.613404	0.981636	chr4	7032377	7032617	+	0	NA	non-codin	non-codin	10504	NM_153376	257236	Hs.656757	NM_153376	ENSG00000	CCDC96	-	coiled-co	protein-coding
chr13-729	7.138118	-0.44745	0.88594	-0.50506	0.613516	0.981636	chr13	72968416	72968645	+	0	NA	intron (N	AluSq2|SI	-86446	NM_001286	688	Hs.508234	NM_001730	ENSG00000	KLF5	BTEB2|CKL	Kruppel l	protein-coding
chr19-448	7.138118	-0.44745	0.88594	-0.50506	0.613516	0.981636	chr19	44860885	44861115	+	0	NA	intron (N	L1M4|LINE	14703	NM_001042	5819	Hs.655455	NM_002856	ENSG00000	NECTIN2	CD112|HVE	nectin ce	protein-coding
chr8-3910	10.39099	-0.36764	0.728084	-0.50494	0.613601	0.981636	chr8	39103481	39104693	+	0	NA	non-codin	non-codin	-3442	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr1-2474	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr1	24749684	24750290	+	0	NA	intron (N	AluJb|SIN	4540	NM_013943	25932	Hs.440544	NM_013943	ENSG00000	CLIC4	CLIC4L|H1	chloride	protein-coding
chr15-422	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr15	42230722	42232933	+	0	NA	intron (N	intron (N	-23523	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr16-220	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr16	22066776	22067612	+	0	NA	intron (N	L1M4|LINE	-25347	NM_173615	146177	Hs.10697	NM_173615	ENSG00000	VWA3A	-	von Wille	protein-coding
chr18-461	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr18	46109167	46109721	+	0	NA	intron (N	L1M4b|LIN	5059	NR_026978	115106	Hs.436617	NM_138443	ENSG00000	HAUS1	CCDC5|HEI	HAUS augm	protein-coding
chr18-639	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr18	63984048	63985362	+	0	NA	intron (N	intron (N	14624	NM_001348	5271	Hs.368077	NM_002640	ENSG00000	SERPINB8	C18orf53|	serpin fa	protein-coding
chr7-6595	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr7	65954238	65955490	+	0	NA	3’ UTR (N	3’ UTR (N	27349	NM_001293	2990	Hs.255230	NM_000181	ENSG00000	GUSB	BG|MPS7	glucuroni	protein-coding
chr7-9990	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr7	99900242	99901113	+	0	NA	intron (N	L1MEc|LIN	18853	NM_033017	89122	Hs.50749	NM_033017	ENSG00000	TRIM4	RNF87	tripartit	protein-coding
chr9-1306	4.957001	-0.52379	1.038946	-0.50416	0.61415	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc|SIN	-21674	NR_106915	1.02E+08		NR_106915	ENSG00000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr1-1512	12.16039	0.341348	0.677174	0.504078	0.614206	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	7SLRNA|sr	18391	NM_020832	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr3-1522	12.16039	0.341348	0.677174	0.504078	0.614206	0.981636	chr3	15228467	15228831	+	0	NA	intron (N	L1PA14|LI	22403	NM_014296	23473	Hs.595234	NM_014296	ENSG00000	CAPN7	CALPAIN7|	calpain 7	protein-coding
chr1-2276	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	AluJr|SIN	45897	NR_036753	401983	Hs.681816	NR_036753		ZNF847P	gm127	zinc fing	pseudo
chr1-2365	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	-15025	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 ar	ncRNA
chr10-110	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr10	1105338	1107802	+	0	NA	intron (N	AluSx1|SI	-49866	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding

chr10-734	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr10	73422948	73426310	+	0	NA	exon (NM_	exon (NM_	8932	NM_001024	118490	Hs.631823	NM_001024	ENSG00000	MSS51	ZMYND17	MSS51 mit	protein-coding
chr11-947	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr11	9473475	9474887	+	0	NA	intron (N	intron (N	13169	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-727	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr11	72707012	72709822	+	0	NA	intron (N	intron (N	7943	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG00000	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr11-120	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	54536	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr12-498	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr12	49800262	49804644	+	0	NA	intron (N	AluSc|SIN	25960	NM_001368	57701	Hs.143067	NM_001037	ENSG00000	NCKAP5L	Cep169|FF	NCK assoc	protein-coding
chr15-228	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr15	22880569	22883729	+	0	NA	intron (N	intron (N	35164	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr16-163	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr16	1637374	1638922	+	0	NA	intron (N	intron (N	23508	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr17-180	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr17	18065139	18065835	+	0	NA	3' UTR (N	3' UTR (N	-22461	NM_001388	1819	Hs.78582	NM_001388	ENSG00000	DRG2	-	developme	protein-coding
chr17-383	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr17	38366118	38369943	+	0	NA	exon (NM_	exon (NM_	16186	NM_014598	30837	Hs.514132	NM_014598	ENSG00000	SOCS7	NAP4|NCKA	suppresso	protein-coding
chr18-361	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr18	36171183	36173231	+	0	NA	intron (N	AluJr|SIN	15228	NR_134605	1.02E+08	Hs.600673	NR_134605	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-311	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr19	311270	312255	+	0	NA	intron (N	intron (N	-20359	NM_003712	8612	Hs.465506	NM_003712	ENSG00000	PLPP2	LPP2|PAP-	phospholi	protein-coding
chr19-403	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr19	4032575	4034424	+	0	NA	exon (NM_	exon (NM_	25763	NM_015897	51588	Hs.105779	NM_015897	ENSG00000	PIAS4	PIAS-gamm	protein i	protein-coding
chr19-112	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr19	11213982	11216261	+	0	NA	intron (N	AluY|SINE	11493	NR_134909	1.05E+08	Hs.579864	NR_134909	ENSG00000	LOC105372	-	uncharact	ncRNA
chr19-162	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr19	16228066	16233263	+	0	NA	intron (N	AluSg|SIN	32753	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAF	adaptor r	protein-coding
chr2-2628	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr2	26286667	26288294	+	0	NA	intron (N	intron (N	31569	NM_001145	165082	Hs.631878	NM_153835	ENSG00000	ADGRF3	GPR113|PG	adhesion	protein-coding
chr2-9509	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr2	95092777	95093524	+	0	NA	intron (N	L1PA6|LIN	28407	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochond	protein-coding
chr2-1179	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	18414	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr2-2416	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	14758	NM_178326	23192	Hs.283610	NM_013325	ENSG00000	ATG4B	APG4B|AUT	autophagy	protein-coding
chr20-256	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr20	25683342	25686638	+	0	NA	intron (N	L1PA7|LIN	1949	NM_001290	26152	Hs.61881	NM_015655	ENSG00000	ZNF337	-	zinc fing	protein-coding
chr20-492	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr20	49241640	49243202	+	0	NA	intron (N	MIRb|SINE	23126	NM_017895	55661	Hs.65234	NM_017895	ENSG00000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr22-462	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr22	46219618	46221366	+	0	NA	intron (N	AluJo|SIN	29801	NM_207327	150383	Hs.103110	NM_207327	ENSG00000	CDPF1	C22orf40	cysteine	protein-coding
chr3-1622	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr3	16221976	16223013	+	0	NA	intron (N	intron (N	5718	NM_001319	117248	Hs.411308	NM_054110	ENSG00000	GALNT15	GALNACT15	polypepti	protein-coding
chr4-1813	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr4	1813782	1817005	+	0	NA	intron (N	intron (N	22081	NM_001163	2261	Hs.1420	NM_000142	ENSG00000	FGFR3	ACH|CD333	fibroblas	protein-coding
chr4-1748	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr4	17488621	17490719	+	0	NA	intron (N	MIR|SINE|	22420	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHF	quinoid c	protein-coding
chr5-3747	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr5	37479491	37482765	+	0	NA	intron (N	THE1B-int	101810	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr8-1862	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr8	18629667	18631829	+	0	NA	intron (N	MER2|DNA|	178119	NM_206909	23362	Hs.434255	NM_015310	ENSG00000	PSD3	EFA6D|EFA	pleckstri	protein-coding
chr8-3775	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr8	37753325	37754309	+	0	NA	intron (N	intron (N	-5771	NR_003671	728024	Hs.647135	NR_003671		LOC728024	-	chromosom	pseudo
chr8-3782	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr8	37829851	37831978	+	0	NA	exon (NM_	exon (NM_	18947	NM_018310	55290	Hs.709301	NM_018310	ENSG00000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr9-3425	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr9	34250067	34251509	+	0	NA	intron (N	intron (N	71745	NM_001171	51271	Hs.268963	NM_016525	ENSG00000	UBAP1	NAG20|SPC	ubiquitin	protein-coding
chr9-1290	7.451218	0.430045	0.853135	0.504075	0.614208	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	L2b|LINE|	13050	NM_004003	1384	Hs.12068	NM_000755	ENSG00000	CRAT	CAT|CAT1|	carnitine	protein-coding
chr2-1714	10.38313	-0.36637	0.726835	-0.50407	0.614214	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1MB8|LIN	-2573	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr4-1187	10.38313	-0.36637	0.726835	-0.50407	0.614214	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	42694	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr7-7288	10.38313	-0.36637	0.726835	-0.50407	0.614214	0.981636	chr7	72881548	72886713	+	0	NA	intron (N	AluJr|SIN	4773	NM_001367	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr8-3776	7.079413	-0.46005	0.91271	-0.50405	0.61423	0.981636	chr8	37768586	37768833	+	0	NA	TTS (NM_0	TTS (NM_0	6064	NM_001349	11212	Hs.304792	NM_007198	ENSG00000	PLPBP	EPVB6D|PF	pyridoxal	protein-coding
chr1-2448	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	Intergeni	Intergeni	5170	NR_132782	1.07E+08		NR_132782		SNORA100	-	small nuc	snoRNA
chr13-306	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr13	30624027	30624776	+	0	NA	intron (N	AluJo|SIN	6481	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr17-371	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr17	37187848	37188232	+	0	NA	intron (N	intron (N	-56761	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr18-797	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr18	79704169	79704399	+	0	NA	intron (N	intron (N	22854	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCF	CTD phosp	protein-coding
chr2-1349	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	Tigger2|D	22709	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr22-316	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr22	31618037	31618706	+	0	NA	TTS (NM_0	TTS (NM_0	3160	NR_106959	1.02E+08		NR_106959	ENSG00000	MIR7109	hsa-mir-7	microRNA	ncRNA
chr8-2330	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr8	23306157	23306814	+	0	NA	intron (N	intron (N	18377	NM_001136	203069	Hs.458644	NM_001136	ENSG00000	R3HCC1	-	R3H domai	protein-coding
chr8-5856	7.1714	-0.44233	0.877889	-0.50386	0.614362	0.981636	chr8	58565506	58566337	+	0	NA	intron (N	intron (N	12660	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr12-716	10.34199	-0.36858	0.731532	-0.50385	0.614368	0.981636	chr12	71650902	71660298	+	0	NA	intron (N	L1ME1|LIN	8248	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr7-4168	10.34199	-0.36858	0.731532	-0.50385	0.614368	0.981636	chr7	41689036	41690903	+	0	NA	exon (NM_	exon (NM_	-3950	NR_027119	285954	Hs.656869	NR_027118	ENSG00000	INHBA-AS1	-	INHBA ant	ncRNA
chr11-122	7.607432	-0.4272	0.847997	-0.50377	0.614423	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	553	NR_137188	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr15-417	7.607432	-0.4272	0.847997	-0.50377	0.614423	0.981636	chr15	41767019	41767572	+	0	NA	3' UTR (N	3' UTR (N	-7189	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr7-1298	7.607432	-0.4272	0.847997	-0.50377	0.614423	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	74207	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr8-1280	7.607432	-0.4272	0.847997	-0.50377	0.614423	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	L1ME4a|LI	-50465	NR_031613	1E+08		NR_031613	ENSG00000	MIR1208	MIRN1208|	microRNA	ncRNA
chr9-1103	7.607432	-0.4272	0.847997	-0.50377	0.614423	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA4|LIN	-56665	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1800	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-86969	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-844	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr10	84414766	84415665	+	0	NA	intron (N	L1PA11|LI	-9724	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-cc	protein-coding
chr12-307	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr12	30711139	30711817	+	0	NA	intron (N	intron (N	-15609	NM_006390	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr14-313	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr14	31301559	31302407	+	0	NA	intron (N	AluSx|SIN	-94190	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr16-283	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr16	28386602	28390111	+	0	NA	intron (N	intron (N	2695	NR_107058	1.02E+08		NR_107058	ENSG00000	MIR6862-2	hsa-mir-6	microRNA	ncRNA
chr16-874	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr16	87420174	87420404	+	0	NA	intron (N	intron (N	27953	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr17-320	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr17	32040643	32041199	+	0	NA	non-codin	non-codin	585	NR_033412	6458	Hs.672460	NR_033412		SH3GL1P1	CNSA-P1|S	SH3 domai	pseudo
chr17-454	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr17	45436446	45438907	+	0	NA	non-codin	non-codin	-4760	NM_174919	201176	Hs.205326	NM_174919	ENSG00000	ARHGAP27	CAMGAP1|F	Rho GTPas	protein-coding
chr19-196	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr19	19650892	19652981	+	0	NA	intron (N	intron (N	-8279	NM_016573	51291	Hs.49427	NM_016573	ENSG00000	GMIP	ARHGAP46	GEM inter	protein-coding
chr20-611	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr20	6113383	6115800	+	0	NA	intron (N	intron (N	8953	NM_017671	55612	Hs.472054	NM_017671	ENSG00000	FERMT1	C20orf42|	fermitin	protein-coding
chr3-4930	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr3	49304800	49308282	+	0	NA	intron (N	L1MD|LINE	-29309	NM_198562	375341	Hs.403828	NM_198562	ENSG00000	C3orf62	-	chromosom	protein-coding
chr3-1847	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	Intergeni	Intergeni	4156	NM_022149	64110	Hs.306123	NM_022149	ENSG00000	MAGEF1	MAGE-F1	MAGE fami	protein-coding
chr5-7542	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr5	75424410	75425960	+	0	NA	intron (N	intron (N	86444	NM_031361	10087	Hs.270437	NM_005713	ENSG00000	CERT1	CERT|CERT	ceramide	protein-coding
chr5-1379	7.410078	0.428695	0.851004	0.503752	0.614436	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	MER39|LTR	-50071	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr15-309	6.416902	0.473925	0.940813	0.503739	0.614444	0.981636	chr15	30945421	30946156	+	0	NA	intron (N	intron (N	41873	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr1-1245	29.2836	0.239443	0.475335	0.503735	0.614447	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3000830	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-4380	6.64338	-0.47778	0.948534	-0.50371	0.614468	0.981636	chr7	43805757	43805956	+	0	NA	intron (N	intron (N	47176	NM_000712	644	Hs.488143	NM_000712	ENSG00000	BLVRA	BLVR|BVR|	biliverdi	protein-coding
chr1-2328	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr1	23280862	23282279	+	0	NA	non-codin	non-codin	3948	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr1-3267	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr1	32678374	32683596	+	0	NA	3' UTR (N	3' UTR (N	21785	NM_001161	81493	Hs.712631	NM_030786	ENSG00000	SYNC	SYNC1|SYN	syncoilin	protein-coding
chr1-6673	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr1	66738168	66742766	+	0	NA	intron (N	intron (N	-11992	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 dc	protein-coding
chr1-9489	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr1	94892428	94898773	+	0	NA	TTS (NM_0	TTS (NM_0	30208	NM_001286	1266	Hs.483454	NM_001839	ENSG00000	CNN3	-	calponin	protein-coding
chr10-791	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr10	79140051	79141487	+	0	NA	intron (N	L2b|LINE|	71803	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr10-934	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr10	93477451	93478511	+	0	NA	intron (N	intron (N	4353	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-100	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	FLAM_C|SI	19249	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr11-337	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr11	33763975	33765488	+	0	NA	intron (N	AluSz|SIN	9789	NM_033406	26273	Hs.406787	NM_012175	ENSG00000	FBXO3	FBA|FBX3	F-box pro	protein-coding
chr11-349	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr11	34981205	34985969	+	0	NA	intron (N	L1PA4|LIN	41750	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-687	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr11	68785876	68786237	+	0	NA	intron (N	L2c|LINE|	-34536	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr11-110	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	39298	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr12-293	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr12	29364770	29367321	+	0	NA	intron (N	intron (N	15127	NM_016570	51290	Hs.339453	NM_016570	ENSG00000	ERGIC2	CDA14|Erv	ERGIC and	protein-coding
chr12-575	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr12	57507651	57509710	+	0	NA	intron (N	intron (N	-4008	NR_106816	1.02E+08		NR_106816	ENSG00000	MIR6758	hsa-mir-6	microRNA	ncRNA
chr13-959	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr13	95936280	95936648	+	0	NA	intron (N	L1PA16|LI	116937	NM_020121	55757	Hs.193226	NM_020121	ENSG00000	UGGT2	HUGT2|UGC	UDP-gluco	protein-coding
chr15-799	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr15	79915849	79917319	+	0	NA	intron (N	intron (N	-6187	NR_028330	283687	Hs.722219	NM_175898		ST20-AS1	C15orf37	ST20 anti	ncRNA
chr17-471	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr17	47166465	47170934	+	0	NA	intron (N	intron (N	20596	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-817	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr17	81707059	81707658	+	0	NA	3' UTR (N	3' UTR (N	3991	NM_002949	6182	Hs.109059	NM_002949	ENSG00000	MRPL12	5c5-2|L12	mitochond	protein-coding
chr19-342	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr19	34209030	34212351	+	0	NA	intron (N	AluJb|SIN	38186	NM_001114	26065	Hs.744009	NM_015578	ENSG00000	LSM14A	C19orf13|	LSM14A mR	protein-coding
chr2-5504	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr2	55047128	55049124	+	0	NA	promoter-	promoter-	540	NM_001321	57142	Hs.637850	NM_007008	ENSG00000	RTN4	ASY|NI220	reticulon	protein-coding
chr2-1139	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-35897	NR_110174	1.01E+08	Hs.741753	NR_110174		ACTR3-AS1	-	ACTR3 ant	ncRNA
chr2-1975	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	AluYg6|SI	27759	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr2-2075	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	L1MD3|LIN	24829	NM_001371428								
chr20-369	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr20	36945028	36946523	+	0	NA	intron (N	AluSx|SIN	5933	NM_001363	25939	Hs.580681	NM_015474	ENSG00000	SAMHD1	CHBL2|DCI	SAM and H	protein-coding
chr3-1239	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	-31228	NM_053027	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1612	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSx3|SI	27205	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr3-1944	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	AluSg|SIN	-17177	NM_004488	2814	Hs.73734	NM_004488	ENSG00000	GP5	CD42d|GPV	glycoprot	protein-coding
chr3-1962	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJr|SIN	33115	NM_001312	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr4-5691	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr4	56919251	56921424	+	0	NA	intron (N	intron (N	11424	NM_001193	5978	Hs.307836	NM_005612	ENSG00000	REST	DFNA27|GI	RE1 silen	protein-coding
chr4-1218	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJr4|SI	2836	NM_005033	5393	Hs.91728	NM_005033	ENSG00000	EXOSC9	PCH1D|PM/	exosome c	protein-coding
chr4-1867	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	AluJr|SIN	18870	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-1285	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	L1ME1|LIN	28203	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr5-1517	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-23895	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA
chr6-3284	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr6	32840836	32841937	+	0	NA	intron (N	AluSx1|SI	-2563	NM_001290	6891	Hs.502	NM_000544	ENSG00000	TAP2	ABC18|ABC	transport	protein-coding
chr6-7129	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr6	71295087	71297259	+	0	NA	intron (N	intron (N	7362	NM_024576	79627	Hs.648434	NM_024576	ENSG00000	OGFRL1	dJ331H24.	opioid gr	protein-coding
chr7-1093	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr7	10936122	10938015	+	0	NA	intron (N	intron (N	3085	NM_002489	4697	Hs.50098	NM_002489	ENSG00000	NDUFA4	CI-9k|CI-	NDUFA4 mi	protein-coding
chr8-4234	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr8	42349413	42350155	+	0	NA	intron (N	intron (N	11290	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr8-9476	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr8	94766944	94767462	+	0	NA	intron (N	intron (N	47303	NM_181787	286148	Hs.567828	NM_181787	ENSG00000	DPY19L4	-	dpy-19 li	protein-coding
chr8-1301	7.640714	-0.42239	0.838673	-0.50365	0.614511	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-91446	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-9931	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr1	9931749	9932589	+	0	NA	intron (N	AluSq|SIN	-10754	NM_001297	64802	Hs.633762	NM_022787	ENSG00000	NMNAT1	LCA9|NMNA	nicotinam	protein-coding
chr12-123	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx|SIN	13416	NM_001270	8099	Hs.433201	NM_004642	ENSG00000	CDK2AP1	DOC1|DORC	cyclin de	protein-coding
chr17-395	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr17	39528482	39529099	+	0	NA	intron (N	intron (N	67304	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr3-1495	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	46555	NM_004617	7104	Hs.133527	NM_004617	ENSG00000	TM4SF4	ILTMP|il-	transmemb	protein-coding
chr4-1394	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	Intergeni	MER11A|LT	39589	NR_159963	1.08E+08	Hs.605782	NR_159963		LOC107984	-	uncharact	ncRNA
chr5-1319	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr5	1319716	1321025	+	0	NA	intron (N	intron (N	-10993	NR_039662	1.01E+08		NR_039662	ENSG00000	MIR4457	mir-4457	microRNA	ncRNA
chr6-3189	7.40222	0.430754	0.855869	0.503294	0.614757	0.981636	chr6	31895059	31896237	+	0	NA	intron (N	intron (N	1341	NM_001318	10919	Hs.709218	NM_006709	ENSG00000	EHMT2	BAT8|C6or	euchromat	protein-coding
chr18-876	7.220397	-0.44077	0.876311	-0.50298	0.614979	0.981636	chr18	8764676	8765162	+	0	NA	intron (N	intron (N	47538	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr1-1196	7.981087	0.414743	0.826234	0.501967	0.61569	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-23473	NR_036540	644242	Hs.515383	NR_036540	ENSG00000	LINC00622	-	long inte	ncRNA
chr11-369	7.981087	0.414743	0.826234	0.501967	0.61569	0.981636	chr11	3691288	3692128	+	0	NA	intron (N	AluSx|SIN	-20324	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr19-109	7.981087	0.414743	0.826234	0.501967	0.61569	0.981636	chr19	10911285	10912379	+	0	NA	intron (N	intron (N	16807	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-1902	7.981087	0.414743	0.826234	0.501967	0.61569	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	42757	NM_001042	84281	Hs.389311	NM_032321	ENSG00000	C2orf88	smAKAP	chromosom	protein-coding
chr9-5744	7.981087	0.414743	0.826234	0.501967	0.61569	0.981636	chr9	5744975	5745902	+	0	NA	intron (N	MIR3|SINE	87679	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr16-210	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr16	2108574	2110111	+	0	NA	exon (NM_	exon (NM_	-2589	NR_106775	1.02E+08		NR_106775	ENSG00000	MIR6511B1	MIR6511B-	microRNA	ncRNA
chr16-185	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr16	18526003	18529955	+	0	NA	intron (N	L2a|LINE|	-33403	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr17-606	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr17	60656699	60657927	+	0	NA	intron (N	intron (N	-20538	NM_001099	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr20-436	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr20	43604376	43606175	+	0	NA	intron (N	AluSx|SIN	14338	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr22-193	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr22	19342580	19343942	+	0	NA	intron (N	intron (N	-51542	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr5-1399	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr5	13997636	13998577	+	0	NA	Intergeni	AluSx|SIN	-53626	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding

chr5-1135	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA11|LI	57447	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-5745	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr7	5745938	5746981	+	0	NA	intron (N	intron (N	-34549	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr9-3246	7.939948	0.413404	0.823847	0.501797	0.61581	0.981636	chr9	32467279	32467478	+	0	NA	intron (N	L2|LINE|L	58818	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bo	protein-coding
chr1-7795	10.37527	-0.3651	0.727678	-0.50174	0.615852	0.981636	chr1	77954351	77971977	+	0	NA	intron (N	intron (N	15908	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr1-1791	10.37527	-0.3651	0.727678	-0.50174	0.615852	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	16757	NM_005158	27	Hs.159472	NM_005158	ENSG00000	ABL2	ABLL|ARG	ABL proto	protein-coding
chr15-400	10.37527	-0.3651	0.727678	-0.50174	0.615852	0.981636	chr15	40025597	40027394	+	0	NA	intron (N	intron (N	12686	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr17-430	10.37527	-0.3651	0.727678	-0.50174	0.615852	0.981636	chr17	43002140	43005024	+	0	NA	TTS (NR_1	TTS (NR_1	-3202	NM_001330	3430	Hs.632258	NM_005533	ENSG00000	IFI35	IFP35	interfero	protein-coding
chr5-1432	10.37527	-0.3651	0.727678	-0.50174	0.615852	0.981636	chr5	14327189	14329157	+	0	NA	intron (N	intron (N	-135810	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr19-463	7.484499	0.433471	0.864049	0.501674	0.615897	0.981636	chr19	46383303	46384399	+	0	NA	exon (NM_	exon (NM_	29713	NM_032040	83987	Hs.97876	NM_032040	ENSG00000	CCDC8	3M3|PPP1F	coiled-co	protein-coding
chr6-1697	7.484499	0.433471	0.864049	0.501674	0.615897	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	L2|LINE|L	-17962	NR_026780	80069	Hs.677182	NM_025002	ENSG00000	LINC00574	C6orf208|	long inte	ncRNA
chr1-4361	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr1	43619254	43619938	+	0	NA	intron (N	intron (N	-30553	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-1760	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1PA16|LI	-108600	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Ca	ncRNA
chr1-2018	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	2299	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr1-2368	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	MER6B|DNA	16482	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr10-722	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr10	72208648	72211231	+	0	NA	intron (N	MSTB|LTR|	6017	NM_001369	51008	Hs.500007	NM_015947	ENSG00000	ASCC1	ASC1p50|C	activatir	protein-coding
chr10-133	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	5060	NM_138384	92170	Hs.501578	NM_138384	ENSG00000	MTG1	GTP|GTPBF	mitochonc	protein-coding
chr11-663	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr11	663232	666634	+	0	NA	intron (N	intron (N	27664	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr12-121	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	24544	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAN	calcium/c	protein-coding
chr12-132	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	21896	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr12-133	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2677	NM_015394	7556	Hs.573983	NM_015394	ENSG00000	ZNF10	KOX1	zinc fing	protein-coding
chr14-572	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr14	57208431	57208713	+	0	NA	3’ UTR (N	3’ UTR (N	60333	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PF	exocyst c	protein-coding
chr14-911	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr14	91160596	91165850	+	0	NA	intron (N	AluSx|SIN	36797	NR_003709	1E+08	Hs.693444	NR_003709	ENSG00000	SNORA11B	-	small nuc	snoRNA
chr16-198	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr16	1985710	1987018	+	0	NA	3’ UTR (N	3’ UTR (N	2171	NM_005262	2671	Hs.27184	NM_005262	ENSG00000	GFER	ALR|ERV1|	growth fa	protein-coding
chr16-248	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr16	24802003	24802450	+	0	NA	intron (N	intron (N	-43637	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr19-103	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr19	10374801	10375644	+	0	NA	intron (N	intron (N	5350	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr2-5520	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr2	55203977	55205740	+	0	NA	intron (N	L1MA3|LIN	-27045	NM_001135	6233	Hs.311640	NM_002954	ENSG00000	RPS27A	CEP80|HEI	ribosomal	protein-coding
chr2-1591	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	1131	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr22-379	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr22	37925868	37929494	+	0	NA	exon (NM_	exon (NM_	21384	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr22-412	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr22	41224303	41228184	+	0	NA	intron (N	AluSx1|SI	-8616	NR_148200	1.01E+08	Hs.627409	NR_148200	ENSG00000	LOC100506	-	uncharact	ncRNA
chr3-4733	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr3	47334877	47337692	+	0	NA	intron (N	intron (N	-44737	NM_015466	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr3-4845	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr3	48453044	48453610	+	0	NA	intron (N	intron (N	6201	NM_001271	84126	Hs.694840	NM_032166	ENSG00000	ATRIP	-	ATR inter	protein-coding
chr5-7106	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr5	71060520	71061842	+	0	NA	intron (N	intron (N	6471	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr5-1414	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	221	NM_032089	56107	Hs.368160	NM_018921	ENSG00000	PCDHGA9	PCDH-GAMM	protocadh	protein-coding
chr6-1548	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr6	15487258	15489520	+	0	NA	intron (N	intron (N	174639	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr7-9199	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr7	91993115	91994297	+	0	NA	intron (N	intron (N	52831	NM_005751	10142	Hs.651221	NM_005751	ENSG00000	AKAP9	AKAP-9|AK	A-kinase	protein-coding
chr7-1299	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx1|SI	18508	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitir	protein-coding
chr7-1433	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-8161	NR_046453	1180	Hs.121483	NM_000083	ENSG00000	CLCN1	CLC1	chloride	protein-coding
chr8-3040	7.417936	0.426618	0.851132	0.501236	0.616205	0.981636	chr8	30401755	30402239	+	0	NA	intron (N	intron (N	-16596	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr11-864	3.20406	-0.64115	1.279173	-0.50123	0.616212	0.981636	chr11	86409563	86410377	+	0	NA	intron (N	intron (N	35083	NM_001156	60494	Hs.144913	NM_021827	ENSG00000	CCDC81	-	coiled-co	protein-coding
chr2-3253	9.839396	-0.38382	0.766229	-0.50092	0.616426	0.981636	chr2	32531326	32532076	+	0	NA	promoter-	promoter-	-452	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|F	microRNA	ncRNA
chr1-2861	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	28611385	28613566	+	0	NA	intron (N	(TA)n|Sim	19980	NM_001193	115273	Hs.652321	NM_152304	ENSG00000	RAB42	-	RAB42, me	protein-coding
chr1-3796	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	37967303	37970131	+	0	NA	intron (N	MER117|DN	21305	NM_006802	10946	Hs.77897	NM_006802	ENSG00000	SF3A3	PRP9|PRPF	splicing	protein-coding
chr1-5320	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	53208135	53214662	+	0	NA	intron (N	intron (N	9236	NM_017887	54987	Hs.525391	NM_017887	ENSG00000	CZIB	C1orf123	CXXC moti	protein-coding
chr1-1213	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	21657	NR_104189	1.01E+08	Hs.568525	NR_104189	ENSG00000	SRGAP2-AS	-	SRGAP2 ar	ncRNA
chr1-1808	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	L1MEg|LIN	-38524	NM_020950	57710	Hs.734816	NM_020950	ENSG00000	KIAA1614	-	KIAA1614	protein-coding
chr1-1835	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	50694	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr1-1851	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	AluJb|SIN	32439	NM_030934	81627	Hs.107149	NM_030934	ENSG00000	TRMT1L	C1orf25|M	tRNA meth	protein-coding
chr1-2258	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	7724	NM_014698	9725	Hs.119387	NM_014698	ENSG00000	TMEM63A	KIAA0792	transmemb	protein-coding
chr1-2308	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	2870	NM_032800	84886	Hs.520494	NM_032800	ENSG00000	C1orf198	-	chromosom	protein-coding
chr10-733	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr10	73377711	73385127	+	0	NA	intron (N	intron (N	-22555	NM_001367	118491	Hs.591367	NM_145170	ENSG00000	CFAP70	TTC18	cilia and	protein-coding
chr10-101	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	65636	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr11-354	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr11	35471323	35474463	+	0	NA	intron (N	L2a|LINE|	52723	NM_001001	25891	Hs.55044	NM_015430	ENSG00000	PAMR1	DKFZP586F	peptidase	protein-coding
chr11-685	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr11	68519681	68520826	+	0	NA	intron (N	intron (N	59501	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-123	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-27597	NR_073007	8099	Hs.433201	NM_004642	ENSG00000	CDK2AP1	DOC1|DORC	cyclin de	protein-coding
chr12-133	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	6703	NM_001277	1.01E+08	Hs.614816	NM_001277	ENSG00000	ZNF891	-	zinc fing	protein-coding
chr14-774	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr14	77439834	77444617	+	0	NA	intron (N	MIRb|SINE	15376	NM_001193	63894	Hs.16157	NM_022067	ENSG00000	VIPAS39	C14orf133	VPS33B ir	protein-coding
chr14-774	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr14	77445927	77451351	+	0	NA	intron (N	intron (N	8962	NM_001193	63894	Hs.16157	NM_022067	ENSG00000	VIPAS39	C14orf133	VPS33B ir	protein-coding
chr14-814	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr14	81483702	81485278	+	0	NA	intron (N	intron (N	-34333	NR_109999	1.01E+08	Hs.116304	NR_109999	ENSG00000	LINC02308	-	long inte	ncRNA
chr14-888	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr14	88870184	88871708	+	0	NA	intron (N	intron (N	46295	NM_001366	123016	Hs.303055	NM_144596	ENSG00000	TTC8	BBS8|RP51	tetratric	protein-coding
chr14-894	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr14	89410583	89412452	+	0	NA	intron (N	intron (N	5716	NM_005197	1112	Hs.434286	NM_005197	ENSG00000	FOXN3	C14orf116	forkhead	protein-coding
chr16-878	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr16	87832892	87834506	+	0	NA	TTS (NR_1	TTS (NR_1	961	NR_106833	1.02E+08		NR_106833	ENSG00000	MIR6775	hsa-mir-6	microRNA	ncRNA
chr17-502	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr17	5020121	5024313	+	0	NA	exon (NM_	exon (NM_	-2124	NR_120665	1.03E+08	Hs.666487	NR_120665	ENSG00000	LOC102724	-	uncharact	ncRNA
chr17-276	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr17	27605331	27608465	+	0	NA	intron (N	AluSx|SIN	-24290	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr19-212	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr19	2125955	2127903	+	0	NA	intron (N	intron (N	24637	NM_003938	8943	Hs.512815	NM_003938	ENSG00000	AP3D1	ADTD|HPS1	adaptor r	protein-coding
chr19-436	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr19	4363162	4365198	+	0	NA	exon (NM_	exon (NM_	20653	NM_032868	84954	Hs.321689	NM_032868	ENSG00000	MPND	-	MPN domai	protein-coding
chr19-450	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr19	45067388	45070506	+	0	NA	intron (N	AluY|SINE	-6680	NM_001319	79760	Hs.466919	NM_024707	ENSG00000	GEMIN7	SIP3	gem nucle	protein-coding
chr2-6150	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr2	61509462	61510962	+	0	NA	intron (N	AluSz6|SI	28144	NM_003400	7514	Hs.370770	NM_003400	ENSG00000	XPO1	CRM-1|CRM	exportin	protein-coding
chr2-1700	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	L1MC5a|LI	-148248	NR_045682	140469	Hs.671900	NM_138995	ENSG00000	MYO3B	-	myosin II	protein-coding
chr2-2187	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	-32169	NM_000784	1593	Hs.516700	NM_000784	ENSG00000	CYP27A1	CP27|CTX|	cytochrom	protein-coding
chr20-354	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr20	35490027	35492812	+	0	NA	intron (N	L2a|LINE|	31436	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr22-214	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr22	21472326	21473638	+	0	NA	TTS (NR_0	TTS (NR_0	5812	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr22-298	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr22	29814236	29815904	+	0	NA	intron (N	AluJr|SIN	23204	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatir	protein-coding
chr22-409	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr22	40923097	40928268	+	0	NA	intron (N	intron (N	-25696	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr3-1507	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr3	15072556	15082624	+	0	NA	intron (N	intron (N	-12275	NR_135246	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochonc	protein-coding
chr3-2833	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr3	28338629	28340405	+	0	NA	intron (N	intron (N	-9204	NM_001040	152098	Hs.510635	NM_001040	ENSG00000	ZCWPW2	ZCW2	zinc fing	protein-coding
chr3-3383	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr3	33837321	33839225	+	0	NA	exon (NM_	exon (NM_	39643	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-5312	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr3	53120872	53125872	+	0	NA	intron (N	intron (N	7063	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr4-2637	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr4	2637610	2640827	+	0	NA	intron (N	intron (N	13786	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-8293	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr4	82938366	82939937	+	0	NA	intron (N	intron (N	-38235	NR_034077	1E+08	Hs.728916	NR_034075	ENSG00000	THAP9-AS1	-	THAP9 ant	ncRNA
chr5-9677	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr5	96773133	96774108	+	0	NA	TTS (NM_0	TTS (NM_0	30018	NR_104285	831	Hs.436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr5-1327	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	14085	NM_001287	645121	Hs.522057	NM_001039	ENSG00000	CCNI2	-	cyclin I	protein-coding
chr5-1802	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	27315	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chr6-4355	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr6	43552455	43555819	+	0	NA	intron (N	AluSg7|SI	21901	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr7-9314	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr7	93143050	93144746	+	0	NA	intron (N	intron (N	4487	NM_001350	219285	Hs.489118	NM_152703	ENSG00000	SAMD9L	ATXPC|C7o	sterile a	protein-coding
chr8-3067	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr8	30676587	30685341	+	0	NA	exon (NM_	exon (NM_	-22728	NM_002095	2961	Hs.77100	NM_002095	ENSG00000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr9-3410	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	34101408	34107399	+	0	NA	intron (N	L2|LINE|L	22295	NM_015397	25853	Hs.493750	NM_015397	ENSG00000	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr9-1088	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	30604	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr9-1088	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	AluY|SINE	33939	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr9-1108	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	Intergeni	THE1C-int	133841	NM_001369	4593	Hs.521653	NM_005592	ENSG00000	MUSK	CMS9|FADS	muscle as	protein-coding
chr9-1253	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	75978	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1311	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MIRb|SINE	26959	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chrX-1675	7.947806	0.411462	0.821789	0.500691	0.616589	0.981636	chrX	16752725	16761127	+	0	NA	intron (N	intron (N	-29506	NM_001168	55787	Hs.555961	NM_018360	ENSG00000	TXLNG	CXorf15|E	taxilin g	protein-coding
chr2-9861	7.104836	-0.45269	0.90429	-0.5006	0.616651	0.981636	chr2	9861532	9861930	+	0	NA	intron (N	L1PA4|LIN	18257	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr11-690	6.921348	0.447473	0.893975	0.500543	0.616693	0.981636	chr11	69081819	69083342	+	0	NA	promoter-	promoter-	-596	NR_036122	1E+08		NR_036122	ENSG00000	MIR3164	-	microRNA	ncRNA
chr2-3202	6.921348	0.447473	0.893975	0.500543	0.616693	0.981636	chr2	32026276	32026642	+	0	NA	intron (N	intron (N	13346	NM_001321	84661	Hs.531788	NM_032574	ENSG00000	DPY30	Cps25|HDF	dpy-30 hi	protein-coding
chr4-1094	6.921348	0.447473	0.893975	0.500543	0.616693	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJr|SIN	-16375	NR_039978	1.01E+08	Hs.518927	NR_039978	ENSG00000	SEC24B-AS	1/2-SBSRN	SEC24B ar	ncRNA
chr9-1315	6.921348	0.447473	0.893975	0.500543	0.616693	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	38945	NM_001365	642515		NM_001365	ENSG00000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chrX-1298	6.921348	0.447473	0.893975	0.500543	0.616693	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	30833	NM_001008	51114	Hs.193566	NM_016032	ENSG00000	ZDHHC9	CGI89|CXo	zinc fing	protein-coding
chr16-283	7.93209	0.415401	0.830469	0.500201	0.616934	0.981636	chr16	28381068	28381891	+	0	NA	intron (N	intron (N	9572	NR_107058	1.02E+08		NR_107058	ENSG00000	MIR6862-2	hsa-mir-6	microRNA	ncRNA
chr19-192	7.93209	0.415401	0.830469	0.500201	0.616934	0.981636	chr19	19290092	19290539	+	0	NA	intron (N	BLACKJACK	-17014	NM_001001	53345	Hs.531624	NM_203510	ENSG00000	TM6SF2	-	transmemb	protein-coding
chr3-6996	7.93209	0.415401	0.830469	0.500201	0.616934	0.981636	chr3	69963829	69965605	+	0	NA	intron (N	L1MC1|LIN	28117	NM_000248	4286	Hs.166017	NM_000248	ENSG00000	MITF	CMM8|COMM	melanocyt	protein-coding
chr4-8872	7.93209	0.415401	0.830469	0.500201	0.616934	0.981636	chr4	88729531	88729981	+	0	NA	non-codir	non-codir	19967	NR_002806	285512	Hs.744957	NR_002806	ENSG00000	FAM13A-AS	FAM13A10S	FAM13A ar	ncRNA
chr12-276	6.880208	0.446098	0.892104	0.500051	0.617039	0.981636	chr12	27658907	27659290	+	0	NA	intron (N	intron (N	-37349	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr5-3736	6.880208	0.446098	0.892104	0.500051	0.617039	0.981636	chr5	37362216	37362926	+	0	NA	intron (N	AluSp|SIN	8535	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr19-441	12.66483	0.332102	0.664225	0.499984	0.617086	0.981636	chr19	44147640	44158262	+	0	NA	intron (N	intron (N	11397	NM_001144	10780	Hs.235992	NM_006630	ENSG00000	ZNF234	HZF4|ZNF2	zinc fing	protein-coding
chr11-944	10.81917	-0.35927	0.718996	-0.49969	0.617294	0.981636	chr11	94428489	94428688	+	0	NA	intron (N	AluSx3|SI	-27169	NM_016540	10888	Hs.272385	NM_016540	ENSG00000	GPR83	GIR|GPR72	G proteir	protein-coding
chr18-801	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr18	80138841	80139892	+	0	NA	3’ UTR (N	3’ UTR (N	-8558	NR_028339	1E+08	Hs.352602	NM_001145	ENSG00000	PARD6G-AS	-	PARD6G ar	ncRNA
chr2-1310	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	5’ UTR (N	5’ UTR (N	3972	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr5-1485	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr5	1485300	1488810	+	0	NA	intron (N	intron (N	23801	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr5-1093	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-34351	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr6-2642	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr6	26425844	26427393	+	0	NA	intron (N	intron (N	5227	NR_027795	54718	Hs.729655	NM_024018	ENSG00000	BTN2A3P	BTN2.3|BT	butyrophi	pseudo
chr6-1427	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr6	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	-121599	NR_027312	153910	Hs.350819	NR_027311	ENSG00000	LOC153910	-	uncharact	ncRNA
chr7-6813	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr7	6813257	6815674	+	0	NA	intron (N	intron (N	11830	NM_198097	221960	Hs.567779	NM_198097	ENSG00000	CCZ1B	C7orf28A|	CCZ1 homo	protein-coding
chr7-4503	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr7	45038650	45040136	+	0	NA	intron (N	HAL1|LINE	11759	NM_001029	83605	Hs.148272	NM_031443	ENSG00000	CCM2	C7orf22|C	CCM2 scaf	protein-coding
chr8-1407	7.681854	-0.41934	0.839373	-0.49958	0.617367	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L1MD|LINE	-10257	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr1-1562	12.16825	0.340058	0.680842	0.499468	0.61745	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	16721	NM_015327	23381	Hs.516837	NM_015327	ENSG00000	SMG5	EST1B|LPT	SMG5 nons	protein-coding
chr10-175	5.400892	-0.49677	0.994864	-0.49934	0.61754	0.981636	chr10	17593474	17594206	+	0	NA	intron (N	intron (N	23534	NM_014241	9200	Hs.114062	NM_014241	ENSG00000	HACD1	CAP|PTPLA	3-hydroxy	protein-coding
chr22-497	5.400892	-0.49677	0.994864	-0.49934	0.61754	0.981636	chr22	49781485	49782065	+	0	NA	intron (N	intron (N	42556	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr1-2188	6.95463	0.451021	0.903765	0.499047	0.617746	0.981636	chr1	21887656	21889051	+	0	NA	intron (N	intron (N	48957	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr18-478	6.95463	0.451021	0.903765	0.499047	0.617746	0.981636	chr18	47839671	47839961	+	0	NA	3’ UTR (N	3’ UTR (N	90843	NM_005901	4087	Hs.12253	NM_005901	ENSG00000	SMAD2	JV18|JV18	SMAD fami	protein-coding
chr6-8339	6.95463	0.451021	0.903765	0.499047	0.617746	0.981636	chr6	83392548	83393252	+	0	NA	intron (N	intron (N	38151	NM_002395	4199	Hs.21160	NM_002395	ENSG00000	ME1	HUMNDME|M	malic enz	protein-coding
chrX-2854	6.95463	0.451021	0.903765	0.499047	0.617746	0.981636	chrX	285439	286355	+	0	NA	intron (N	LTR56|LTF	2419	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LL0XNC01-	phosphati	protein-coding
chr1-2556	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr1	25563364	25563786	+	0	NA	intron (N	intron (N	19990	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding

chr10-798	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr10	79801877	79803122	+	0	NA	intron (N	intron (N	-23403	NR_029407	642361	Hs.164298	NR_029407	ENSG00000	LOC642361	-	uncharact	ncRNA
chr10-119	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L2b|LINE|	10570	NR_136663	7073	Hs.501203	NM_003252	ENSG00000	TIAL1	TCBP|TIAR	TIA1 cyto	protein-coding
chr11-940	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr11	9408965	9412708	+	0	NA	intron (N	intron (N	-17930	NR_002962	677808	Hs.689720	NR_002962	ENSG00000	SNORA23	ACA23	small nuc	snoRNA
chr11-181	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr11	18102842	18103085	+	0	NA	intron (N	intron (N	3119	NM_138421	113174	Hs.591998	NM_138421	ENSG00000	SAAL1	SPACIA1	serum amy	protein-coding
chr12-511	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr12	51115363	51115951	+	0	NA	intron (N	L1MB3|LIN	-32061	NM_030809	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr12-105	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	TTS (NM_0	TTS (NM_0	61902	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr14-550	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr14	55056748	55060535	+	0	NA	intron (N	AluSx|SIN	6994	NM_144578	93487	Hs.594338	NM_144578	ENSG00000	MAPK1IP1L	C14orf32|	mitogen-a	protein-coding
chr15-603	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr15	60368064	60370689	+	0	NA	intron (N	intron (N	28610	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr15-902	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr15	90272219	90272808	+	0	NA	TTS (NR_0	TTS (NR_0	-6754	NR_102428	10519	Hs.715556	NM_006384	ENSG00000	CIB1	CIB|CIBP|	calcium a	protein-coding
chr19-555	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr19	55515069	55515268	+	0	NA	intron (N	AluSq|SIN	21965	NM_001370	646643	Hs.532676	NM_001101	ENSG00000	SBK2	SGK069	SH3 domai	protein-coding
chr2-6526	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr2	65265722	65267165	+	0	NA	intron (N	L2a|LINE|	38748	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-1739	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	54176	NM_001017	6670	Hs.531587	NM_003111	ENSG00000	SP3	SPR2	Sp3 trans	protein-coding
chr2-2161	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	MLT1F1|LT	4588	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr21-323	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr21	32361388	32361885	+	0	NA	intron (N	intron (N	15686	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr3-5790	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr3	57908704	57909308	+	0	NA	intron (N	intron (N	19004	NM_001304	7871	Hs.476432	NM_007159	ENSG00000	SLMAP	SLAP	sarcolemm	protein-coding
chr3-7095	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr3	70958902	70959386	+	0	NA	non-codin	non-codin	105780	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr4-5544	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr4	55448589	55450794	+	0	NA	intron (N	intron (N	53734	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr7-9904	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr7	99047936	99048135	+	0	NA	intron (N	intron (N	34870	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1404	7.632856	-0.4207	0.843426	-0.4988	0.617918	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	non-codin	non-codin	25720	NM_013446	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr1-3793	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr1	37934070	37934712	+	0	NA	intron (N	MIRb|SINE	-2600	NR_158631	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr10-110	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSg7|SI	17672	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr11-471	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr11	47172681	47173504	+	0	NA	intron (N	intron (N	3787	NM_032389	84364	Hs.436204	NM_032389	ENSG00000	ARFGAP2	IRZ|NBLA1	ADP ribos	protein-coding
chr11-742	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr11	74246030	74247234	+	0	NA	intron (N	intron (N	-64730	NR_120556	1.02E+08	Hs.569025	NR_120556	ENSG00000	P4HA3-AS1	-	P4HA3 ant	ncRNA
chr12-105	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21865	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr12-121	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-19440	NM_153499	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr13-973	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr13	97382177	97382922	+	0	NA	intron (N	intron (N	-51620	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr16-718	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr16	71848421	71848991	+	0	NA	intron (N	intron (N	2730	NM_001137	342371	Hs.743239	NM_001137	ENSG00000	ATXN1L	BOAT|BOAT	ataxin 1	protein-coding
chr17-538	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr17	5380326	5382669	+	0	NA	exon (NM_	exon (NM_	-38144	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr2-2184	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	TTS (NR_0	TTS (NR_0	292	NR_029500	407017		NR_029500	ENSG00000	MIR26B	MIRN26B|h	microRNA	ncRNA
chr20-344	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr20	34416498	34419223	+	0	NA	intron (N	intron (N	-48465	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr22-451	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr22	45183611	45187043	+	0	NA	3’ UTR (N	3’ UTR (N	6285	NR_146602	1.05E+08		NR_146602		LOC105373	-	uncharact	ncRNA
chr3-4770	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr3	47708915	47710465	+	0	NA	intron (N	AluSx|SIN	-47996	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-1701	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	53403	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr3-1872	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-40323	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact	ncRNA
chr4-8002	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr4	80024189	80025352	+	0	NA	intron (N	AluJb|SIN	48459	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr5-5688	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr5	56887426	56888853	+	0	NA	intron (N	intron (N	-21121	NR_136556	133383	Hs.85950	NM_153706	ENSG00000	SETD9	C5orf35	SET domai	protein-coding
chr5-6927	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr5	69272432	69273976	+	0	NA	intron (N	intron (N	38318	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr5-1316	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	-16642	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr5-1807	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12676	NM_001364	4245	Hs.519818	NM_002406	ENSG00000	MGAT1	GLCNAC-TI	mannosyl	protein-coding
chr7-1168	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	MamRep137	27016	NM_006136	830	Hs.446123	NM_006136	ENSG00000	CAPZA2	CAPPA2|CA	capping a	protein-coding
chr8-1044	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr8	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	-13686	NR_030330	693127		NR_030330	ENSG00000	MIR548A3	MIRN548A3	microRNA	ncRNA
chr8-1197	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	MLT1A1|LT	40123	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr9-3748	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr9	37488741	37491056	+	0	NA	intron (N	L2a|LINE|	3950	NM_022490	64425	Hs.591087	NM_022490	ENSG00000	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr9-1089	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	7550	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr9-1243	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-8597	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr9-1347	7.673996	-0.41767	0.837608	-0.49865	0.618026	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	MLT1C|LTR	-93231	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chr12-686	7.689712	-0.421	0.844424	-0.49856	0.618088	0.981636	chr12	68692190	68693777	+	0	NA	intron (N	AluSx1|SI	6005	NM_020401	57122	Hs.524574	NM_020401	ENSG00000	NUP107	NPHS11|NU	nucleopor	protein-coding
chr9-1004	7.689712	-0.421	0.844424	-0.49856	0.618088	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	intron (N	1084	NM_001198	1.01E+08	Hs.598100	NM_001198812		MSANTD3-T	C9orf2|C9	MSANTD3-T	protein-coding
chr1-9323	4.915862	-0.52861	1.060317	-0.49854	0.618105	0.981636	chr1	93237036	93237681	+	0	NA	intron (N	L2a|LINE|	56642	NM_001306	343099	Hs.482873	NM_206886	ENSG00000	CCDC18	NY-SAR-41	coiled-co	protein-coding
chr10-499	4.915862	-0.52861	1.060317	-0.49854	0.618105	0.981636	chr10	49913987	49914441	+	0	NA	intron (N	intron (N	27813	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chrX-2700	4.915862	-0.52861	1.060317	-0.49854	0.618105	0.981636	chrX	2700319	2700616	+	0	NA	intron (N	(ATCC)n|S	9172	NM_002414	4267	Hs.653349	NM_002414	ENSG00000	CD99	HBA71|MIC	CD99 mole	protein-coding
chr6-8313	4.196681	0.555993	1.116034	0.498187	0.618352	0.981636	chr6	83130788	83131958	+	0	NA	intron (N	(ATT)n|Si	61892	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr17-294	8.503099	0.403345	0.809896	0.49802	0.61847	0.981636	chr17	29419258	29419659	+	0	NA	intron (N	AluSp|SIN	28533	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAP	TAO kinas	protein-coding
chr10-315	10.36742	-0.36381	0.730634	-0.49794	0.618525	0.981636	chr10	31510392	31513213	+	0	NA	intron (N	intron (N	-112047	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr13-304	10.36742	-0.36381	0.730634	-0.49794	0.618525	0.981636	chr13	30460445	30463371	+	0	NA	intron (N	intron (N	2419	NM_001313	3146	Hs.434102	NM_002128	ENSG00000	HMGB1	HMG-1|HMG	high mobi	protein-coding
chr2-1890	10.36742	-0.36381	0.730634	-0.49794	0.618525	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	37265	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr20-492	10.36742	-0.36381	0.730634	-0.49794	0.618525	0.981636	chr20	49265159	49265982	+	0	NA	intron (N	L2a|LINE|	12487	NM_021035	57169	Hs.371794	NM_021035	ENSG00000	ZNFX1	-	zinc fing	protein-coding
chr19-574	12.20153	0.3423	0.687596	0.49782	0.618611	0.981636	chr19	57471742	57476419	+	0	NA	exon (NM_	exon (NM_	3486	NM_001144	400720	Hs.388810	NM_001024	ENSG00000	ZNF772	-	zinc fing	protein-coding
chr1-1297	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr1	1297217	1298953	+	0	NA	exon (NM_	exon (NM_	-1915	NR_106784	1.02E+08		NR_106784	ENSG00000	MIR6726	hsa-mir-6	microRNA	ncRNA
chr15-896	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr15	89626518	89628402	+	0	NA	TTS (NM_1	TTS (NM_1	28007	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr17-210	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr17	21037563	21038338	+	0	NA	intron (N	L1MD2|LIN	5061	NM_015276	23326	Hs.462492	NM_015276	ENSG00000	USP22	USP3L	ubiquitin	protein-coding
chr17-673	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr17	67362571	67363176	+	0	NA	5’ UTR (N	5’ UTR (N	3704	NM_002816	5718	Hs.4295	NM_002816	ENSG00000	PSMD12	Rpn5|STIS	proteasom	protein-coding
chr19-189	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr19	18999281	19000174	+	0	NA	intron (N	intron (N	33790	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr21-259	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr21	25903274	25904011	+	0	NA	intron (N	intron (N	-167988	NM_001003	522	Hs.246310	NM_001685	ENSG00000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr7-7283	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr7	72837511	72838478	+	0	NA	TTS (NR_0	TTS (NR_0	8621	NR_024109	155370	Hs.585053	NR_001588	ENSG00000	SBDSP1	SBDSP	SBDS pseu	pseudo
chr7-1355	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJr|SIN	14234	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr8-1938	5.393034	-0.49444	0.994837	-0.49701	0.619183	0.981636	chr8	19386557	19387856	+	0	NA	intron (N	AluJo|SIN	73230	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr19-104	10.85245	-0.3559	0.716098	-0.497	0.619192	0.981636	chr19	10499306	10499868	+	0	NA	exon (NM_	exon (NM_	3184	NM_012289	9817	Hs.465870	NM_012289	ENSG00000	KEAP1	INrf2|KLH	kelch lik	protein-coding
chr17-604	7.599575	-0.42554	0.856286	-0.49697	0.619214	0.981636	chr17	60497159	60498373	+	0	NA	intron (N	intron (N	28474	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr1-9310	4.949143	-0.52105	1.048521	-0.49694	0.619229	0.981636	chr1	93107609	93108221	+	0	NA	intron (N	AluJr|SIN	28632	NM_007358	22823	Hs.31016	NM_007358	ENSG00000	MTF2	M96|PCL2|	metal res	protein-coding
chr1-1759	4.949143	-0.52105	1.048521	-0.49694	0.619229	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	21754	NR_162097	1.14E+08		NR_162097		MIR1843	-	microRNA	ncRNA
chr11-378	4.949143	-0.52105	1.048521	-0.49694	0.619229	0.981636	chr11	3789698	3791077	+	0	NA	intron (N	intron (N	7159	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr18-633	4.949143	-0.52105	1.048521	-0.49694	0.619229	0.981636	chr18	63383848	63384567	+	0	NA	Intergeni	ERVL-E-in	-17001	NM_002035	2531	Hs.74050	NM_002035	ENSG00000	KDSR	DHSR|EKVP	3-ketodih	protein-coding
chr12-108	10.41641	-0.36287	0.73022	-0.49693	0.619237	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	15635	NR_039717	1.01E+08		NR_039717	ENSG00000	MIR4496	-	microRNA	ncRNA
chr1-3546	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	35463221	35466359	+	0	NA	intron (N	THE1B-int	92613	NM_024874	79932	Hs.456507	NM_024874	ENSG00000	KIAA0319L	AAVR|AAVR	KIAA0319	protein-coding
chr1-3787	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	37878254	37882774	+	0	NA	intron (N	AluSg|SIN	-20922	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-4340	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	43403069	43405838	+	0	NA	exon (NM_	exon (NM_	14554	NM_015284	23334	Hs.643560	NM_015284	ENSG00000	SZT2	C1orf84|F	SZT2 subu	protein-coding
chr1-1035	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	-3575	NM_020978	280	Hs.484588	NM_020978	ENSG00000	AMY2B	AMY2|AMY3	amylase a	protein-coding
chr1-1135	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MB7|LIN	161966	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr1-1613	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSg|SIN	12353	NM_001278	6391	Hs.444472	NM_003001	ENSG00000	SDHC	CYB560|CY	succinate	protein-coding
chr1-2468	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSg7|SI	52297	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr10-121	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr10	12142102	12145577	+	0	NA	intron (N	intron (N	-13023	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr10-689	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr10	68929255	68930821	+	0	NA	intron (N	(CCTT)n|S	-26132	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDB	DExD-box	protein-coding
chr10-984	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr10	98428535	98434309	+	0	NA	promoter-	promoter-	-62	NR_039833	1.01E+08		NR_039833	ENSG00000	MIR4685	-	microRNA	ncRNA
chr10-110	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-81154	NM_130439	4601	Hs.602078	NM_005962	ENSG00000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr11-972	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr11	972399	974337	+	0	NA	intron (N	intron (N	47498	NM_012305	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr11-173	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr11	17368283	17373293	+	0	NA	intron (N	HUERS-P3-	17871	NM_000525	3767	Hs.248141	NM_000525	ENSG00000	KCNJ11	BIR|HHF2|	potassium	protein-coding
chr11-124	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	27239	NM_001130	4013	Hs.152944	NM_014622	ENSG00000	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr11-130	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	40149	NM_001243	334	Hs.370247	NM_001642	ENSG00000	APLP2	APLP-2|AP	amyloid b	protein-coding
chr12-101	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSz|SIN	25941	NM_001177	400	Hs.372616	NM_001177	ENSG00000	ARL1	ARFL1	ADP ribos	protein-coding
chr12-112	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	FAM|SINE|	-48022	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-950	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr13	95032734	95035430	+	0	NA	intron (N	intron (N	74041	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr14-102	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-55297	NM_001199	7187	Hs.510528	NM_003300	ENSG00000	TRAF3	CAP-1|CAP	TNF recep	protein-coding
chr16-176	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr16	1764242	1765904	+	0	NA	exon (NM_	exon (NM_	6636	NM_002513	4832	Hs.514065	NM_002513	ENSG00000	NME3	DR-nm23|N	NME/NM23	protein-coding
chr17-746	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr17	7464261	7466074	+	0	NA	intron (N	AluY|SINE	14464	NM_001128	57659	Hs.35096	NM_020899	ENSG00000	ZBTB4	KAISO-L1|	zinc fing	protein-coding
chr19-467	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr19	46736965	46738274	+	0	NA	intron (N	intron (N	-8438	NM_001039	79147	Hs.515493	NM_024301	ENSG00000	FKRP	LGMD2I|LG	fukutin r	protein-coding
chr2-3261	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr2	32614601	32616100	+	0	NA	intron (N	intron (N	-12700	NM_001193	55622	Hs.468125	NM_017735	ENSG00000	TTC27	-	tetratric	protein-coding
chr2-4699	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr2	46992945	46998422	+	0	NA	intron (N	MIRb|SINE	-53828	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-2332	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	5993	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Ca	ncRNA
chr22-295	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr22	29554995	29563472	+	0	NA	intron (N	L2b|LINE|	-5476	NM_003678	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr22-302	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr22	30298835	30301280	+	0	NA	intron (N	intron (N	-10430	NM_001037	652968	Hs.444950	NM_001037	ENSG00000	CASTOR1	GATSL3	cytosolic	protein-coding
chr22-413	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr22	41331489	41336703	+	0	NA	intron (N	intron (N	-31727	NM_001317	5905	Hs.183800	NM_002883	ENSG00000	RANGAP1	Fug1|RANG	Ran GTPas	protein-coding
chr3-3728	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr3	37281636	37282720	+	0	NA	exon (NM_	exon (NM_	-37983	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr3-5164	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr3	51643739	51649261	+	0	NA	intron (N	intron (N	-24675	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr3-1490	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-29862	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr5-1724	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MLT1E2|LT	49214	NM_001308	285590	Hs.285666	NM_001017	ENSG00000	SH3PXD2B	FAD49|FTH	SH3 and P	protein-coding
chr6-3728	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr6	37283201	37288517	+	0	NA	intron (N	AluSz|SIN	-27704	NM_001286	221468	Hs.520101	NM_145316	ENSG00000	TMEM217	C6orf128|	transmemb	protein-coding
chr6-1139	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-11743	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG00000	HDAC2-AS2	-	HDAC2 anc	ncRNA
chr7-7597	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr7	75972680	75973964	+	0	NA	intron (N	AluJr|SIN	21273	NM_001317	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMP	transmemb	protein-coding
chr7-1286	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJo|SIN	3374	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr7-1490	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	14150	NR_163909								
chr8-2263	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr8	22632972	22636740	+	0	NA	intron (N	intron (N	7353	NR_027715	80094	Hs.675917	NM_025026		BIN3-IT1	-	BIN3 intr	ncRNA
chr9-3304	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr9	33046605	33047633	+	0	NA	3’ UTR (N	3’ UTR (N	21846	NM_001539	3301	Hs.445203	NM_001539	ENSG00000	DNAJA1	DJ-2|DjA1	DnaJ heat	protein-coding
chr9-1140	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	59673	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-1274	7.955664	0.409532	0.824145	0.496918	0.619247	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	exon (NM_	exon (NM_	27156	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr15-434	7.204681	-0.43707	0.879626	-0.49688	0.619276	0.981636	chr15	43423161	43423360	+	0	NA	intron (N	MER117|DN	52159	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr1-1698	12.67269	0.330879	0.666591	0.496375	0.61963	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	intron (N	THE1B-int	21939	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr17-375	10.40856	-0.36161	0.728969	-0.49606	0.619852	0.981636	chr17	37573918	37575706	+	0	NA	intron (N	L1MA3|LIN	34606	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr3-7306	10.40856	-0.36161	0.728969	-0.49606	0.619852	0.981636	chr3	73062534	73063667	+	0	NA	3’ UTR (N	3’ UTR (N	1441	NM_018029	55096	Hs.658858	NM_018029	ENSG00000	EBLN2	EBLN-2	endogenou	protein-coding
chr11-748	6.888066	0.443753	0.895034	0.495795	0.620039	0.981636	chr11	74834771	74835514	+	0	NA	intron (N	AluJr|SIN	86293	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr15-787	6.888066	0.443753	0.895034	0.495795	0.620039	0.981636	chr15	78788569	78788843	+	0	NA	intron (N	intron (N	22758	NM_014272	11173	Hs.16441	NM_014272	ENSG00000	ADAMTS7	ADAM-TS 7	ADAM meta	protein-coding
chr7-1332	6.888066	0.443753	0.895034	0.495795	0.620039	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-14264	NR_106749	1.02E+08		NR_106749	ENSG00000	MIR6133	hsa-mir-6	microRNA	ncRNA
chr1-1502	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSp|SIN	5176	NM_001136	81611	Hs.656466	NM_030920	ENSG00000	ANP32E	LANP-L|LA	acidic nu	protein-coding

chr11-738	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr11	73871068	73872942	+	0	NA	TTS (NM_0	TTS (NM_0	-4694	NM_001267	80227	Hs.525017	NM_025155	ENSG00000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr11-130	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	3044	NM_001301	399979	Hs.444024	NM_014758	ENSG00000	SNX19	CHET8	sorting r	protein-coding
chr13-483	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr13	48373701	48375808	+	0	NA	intron (N	intron (N	38359	NM_001162	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYF	lysophosp	protein-coding
chr14-309	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr14	30953207	30954685	+	0	NA	intron (N	L1ME3A|LI	60796	NR_030354	693209		NR_030354	ENSG00000	MIR624	MIRN624|h	microRNA	ncRNA
chr14-101	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-69692	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-628	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr15	62810523	62810723	+	0	NA	intron (N	intron (N	-13334	NR_029709	406965		NR_029709	ENSG00000	MIR190A	MIR190|MI	microRNA	ncRNA
chr15-651	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr15	65106110	65106352	+	0	NA	5’ UTR (N	5’ UTR (N	128	NM_001163	390595	Hs.659256	NM_001163	ENSG00000	UBAP1L	UBAP-1L	ubiquitin	protein-coding
chr15-718	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr15	71887546	71888077	+	0	NA	intron (N	MER34A1|L	77257	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr16-299	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr16	29918029	29920286	+	0	NA	intron (N	L1MC5a|LI	7069	NR_110933	253980	Hs.534590	NM_178863	ENSG00000	KCTD13	BACURD1|F	potassium	protein-coding
chr16-585	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr16	58565713	58568109	+	0	NA	intron (N	AluSp|SIN	-6980	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNC	small nuc	snoRNA
chr17-825	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr17	82594895	82595768	+	0	NA	intron (N	AluJo|SIN	53113	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr18-215	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr18	21581114	21581328	+	0	NA	intron (N	AluY|SINE	19483	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr2-3710	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	37101030	37103438	+	0	NA	3’ UTR (N	3’ UTR (N	17783	NM_001278	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch d	protein-coding
chr2-6950	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	69502845	69504084	+	0	NA	intron (N	intron (N	16707	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-8606	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	86069424	86071490	+	0	NA	intron (N	intron (N	35429	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1087	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	10357	NM_006267	5903	Hs.199561	NM_006267	ENSG00000	RANBP2	ADANE|ANE	RAN bindi	protein-coding
chr2-2100	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-9678	NR_110291	1.02E+08	Hs.635556	NR_110291		LOC101928	-	uncharact	ncRNA
chr2-2161	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	MIR3|SINE	2484	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr2-2161	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	20075	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr20-355	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr20	35543426	35543807	+	0	NA	intron (N	intron (N	1538	NM_015966	51614	Hs.472558	NM_015966	ENSG00000	ERGIC3	C20orf47|	ERGIC and	protein-coding
chr22-193	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr22	19389387	19390049	+	0	NA	intron (N	intron (N	42015	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUF	histone c	protein-coding
chr4-2454	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr4	24548219	24549932	+	0	NA	intron (N	intron (N	-28785	NR_030299	693158		NR_030299	ENSG00000	MIR573	MIRN573|h	microRNA	ncRNA
chr4-2639	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr4	26392492	26394495	+	0	NA	intron (N	AluSz|SIN	72265	NM_001363	3516	Hs.479396	NM_005349	ENSG00000	RBPJ	AOS3|CBF1	recombina	protein-coding
chr4-5423	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr4	54238843	54244419	+	0	NA	intron (N	AluSq2|SI	7671	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr4-1086	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10039	NM_001319	6164	Hs.438227	NM_000995	ENSG00000	RPL34	L34	ribosomal	protein-coding
chr5-3237	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr5	32375485	32377458	+	0	NA	intron (N	AluSx4|SI	18004	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr7-4363	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr7	43632447	43633316	+	0	NA	non-codin	non-codin	49773	NM_004760	9263	Hs.709489	NM_004760	ENSG00000	STK17A	DRAK1	serine/th	protein-coding
chr8-1796	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr8	17969827	17970532	+	0	NA	intron (N	intron (N	47191	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr8-9914	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr8	99148104	99149540	+	0	NA	intron (N	LTR75|LTR	135556	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-9801	7.666138	-0.41598	0.83907	-0.49576	0.620061	0.981636	chr9	98011090	98017402	+	0	NA	intron (N	AluY|SINE	30905	NM_006401	10541	Hs.730654	NM_006401	ENSG00000	ANP32B	APRIL|PHA	acidic nu	protein-coding
chr16-703	8.477675	0.398264	0.803334	0.495764	0.620061	0.981636	chr16	70370440	70371078	+	0	NA	intron (N	AluSp|SIN	23856	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr2-2312	8.477675	0.398264	0.803334	0.495764	0.620061	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	81472	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr5-1346	8.477675	0.398264	0.803334	0.495764	0.620061	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	36143	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr9-9821	7.924232	0.417499	0.842151	0.495754	0.620068	0.981636	chr9	98217139	98218123	+	0	NA	intron (N	intron (N	-4080	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|F	TBC1 doma	protein-coding
chr6-4360	8.469818	0.40016	0.807201	0.495738	0.620079	0.981636	chr6	43604711	43606014	+	0	NA	intron (N	intron (N	21991	NM_001286	54676	Hs.485449	NM_019096	ENSG00000	GTPBP2	JABELS	GTP bindi	protein-coding
chr1-1648	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr1	16485133	16487264	+	0	NA	intron (N	AluSx|SIN	6503	NR_023386	114819	Hs.597881	NR_023386	ENSG00000	CROCCP3	CROCCL2|c	CROCC pse	pseudo
chr1-2251	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr1	22519390	22520503	+	0	NA	intron (N	intron (N	-43543	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr1-1809	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	Intergeni	THE1A-int	-5316	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr1-2117	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	72815	NR_148994	91548	Hs.367839	NR_148994		LOC91548	-	uncharact	ncRNA
chr1-2283	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	TTS (NR_1	TTS (NR_1	949	NR_106800	1.02E+08		NR_106800	ENSG00000	MIR6742	hsa-mir-6	microRNA	ncRNA
chr10-977	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr10	97753289	97755589	+	0	NA	intron (N	AluJb|SIN	15962	NM_001002	118813	Hs.744075	NM_144588	ENSG00000	ZFYVE27	PROTRUDIN	zinc fing	protein-coding
chr11-639	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr11	63952952	63956662	+	0	NA	3’ UTR (N	3’ UTR (N	15476	NM_001300	79829	Hs.523753	NM_024771	ENSG00000	NAA40	NAT11|Nat	N(alpha)-	protein-coding
chr11-122	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MA2|LIN	47472	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr12-558	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr12	55808704	55809555	+	0	NA	intron (N	AluJb|SIN	8595	NM_033082	84324	Hs.505676	NM_033082	ENSG00000	SARNP	CIP29|HCC	SAP domai	protein-coding
chr12-109	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	(TATG)n|S	8160	NM_001145	121642	Hs.374458	NM_001001	ENSG00000	ALKBH2	ABH2	alkB homo	protein-coding
chr16-223	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr16	2231391	2234400	+	0	NA	exon (NM_	exon (NM_	-3549	NM_001374	1775	Hs.103503	NM_001374	ENSG00000	DNASE1L2	DNAS1L2	deoxyribo	protein-coding
chr16-162	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr16	16236777	16239603	+	0	NA	intron (N	L1ME3G|LI	5595	NM_173614	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr16-196	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr16	19651935	19653527	+	0	NA	intron (N	intron (N	-63725	NM_001305	124152	Hs.460217	NM_153208	ENSG00000	IQCK	-	IQ motif	protein-coding
chr16-727	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr16	72799419	72800074	+	0	NA	intron (N	intron (N	-134776	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr17-430	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr17	4306322	4307130	+	0	NA	intron (N	AluSx4|SI	-34832	NR_110982	1.03E+08	Hs.741319	NR_110982		LOC103021	-	uncharact	ncRNA
chr17-740	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr17	7408382	7410845	+	0	NA	intron (N	intron (N	1768	NM_020795	57555	Hs.26229	NM_020795	ENSG00000	NLGN2	-	neuroligi	protein-coding
chr19-305	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr19	3055119	3055565	+	0	NA	intron (N	intron (N	7153	NM_198970	166	Hs.515053	NM_001130	ENSG00000	TLE5	AES|AES-1	TLE famil	protein-coding
chr19-109	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr19	10923139	10924207	+	0	NA	TTS (NM_1	TTS (NM_1	4966	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-5561	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr2	55611809	55612042	+	0	NA	intron (N	AluJo|SIN	5697	NM_001122	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-1216	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	43679	NM_001142	23332	Hs.469840	NM_015282	ENSG00000	CLASP1	MAST1	cytoplasm	protein-coding
chr2-2017	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-27313	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|I	membrane	protein-coding
chr22-216	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr22	21669861	21672834	+	0	NA	intron (N	intron (N	5335	NM_148175	23759	Hs.438587	NM_014337	ENSG00000	PPIL2	CYC4|CYP6	peptidylp	protein-coding
chr22-295	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr22	29564310	29565988	+	0	NA	intron (N	AluJo|SIN	-11392	NM_003678	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr6-4315	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr6	43159075	43161934	+	0	NA	intron (N	intron (N	-10765	NM_003131	6722	Hs.520140	NM_003131	ENSG00000	SRF	MCM1	serum res	protein-coding
chr6-1600	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	-19602	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr7-1587	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	-43398	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr8-8099	7.425794	0.424472	0.856255	0.495731	0.620084	0.981636	chr8	80990799	80991080	+	0	NA	intron (N	MLT1C|LTR	-116158	NM_001033	619279	Hs.434957	NM_032651	ENSG00000	ZNF704	Gig1	zinc fing	protein-coding
chr17-183	4.188823	0.559673	1.129469	0.495518	0.620234	0.981636	chr17	18325838	18326346	+	0	NA	3’ UTR (N	3’ UTR (N	10799	NM_144775	140775	Hs.592944	NM_144775	ENSG00000	SMCR8	DENND8A	SMCR8-C9o	protein-coding
chr1-2357	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-63851	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G protein	protein-coding
chr10-103	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	77032	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr14-760	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr14	76065401	76066056	+	0	NA	intron (N	L1ME1|LIN	79965	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr14-912	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr14	91202463	91204823	+	0	NA	intron (N	LTR82B|LT	41061	NM_001177	8111	Hs.8882	NM_003485	ENSG00000	GPR68	AI2A6|GPR	G protein	protein-coding
chr16-272	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr16	27231861	27232874	+	0	NA	intron (N	intron (N	28392	NM_001145	79831	Hs.145717	NM_024773	ENSG00000	KDM8	JMJD5	lysine de	protein-coding
chr17-443	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr17	44319960	44322231	+	0	NA	exon (NM_	exon (NM_	3728	NM_001366	51629	Hs.744880	NM_016016	ENSG00000	SLC25A39	CGI-69|CC	solute ca	protein-coding
chr20-255	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr20	25514648	25516485	+	0	NA	intron (N	MSTA-int|	69965	NM_025176	22981	Hs.631508	NM_025176	ENSG00000	NINL	NLP	ninein li	protein-coding
chr5-1600	7.459076	0.427866	0.863622	0.495432	0.620295	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	AluY|SINE	49560	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr2-3904	7.163542	-0.44028	0.889071	-0.49522	0.620448	0.981636	chr2	39048511	39048710	+	0	NA	intron (N	AluSx1|SI	71853	NM_005633	6654	Hs.709893	NM_005633	ENSG00000	SOS1	GF1|GGF1|	SOS Ras/R	protein-coding
chr5-5368	3.188344	-0.63361	1.279965	-0.49502	0.620584	0.981636	chr5	53687329	53688332	+	0	NA	Intergeni	L1PA11|LI	127191	NR_134474	4724	Hs.528222	NM_002495	ENSG00000	NDUFS4	AQDQ|CI-1	NADH:ubiq	protein-coding
chr8-9668	4.204539	0.552308	1.115812	0.494983	0.620612	0.981636	chr8	96680586	96682098	+	0	NA	intron (N	THE1B-int	36100	NM_016134	10404	Hs.156178	NM_016134	ENSG00000	CPQ	LDP|PGCP	carboxype	protein-coding
chr9-8167	4.204539	0.552308	1.115812	0.494983	0.620612	0.981636	chr9	81675401	81676186	+	0	NA	intron (N	AluSc5|SI	13742	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr1-1111	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA5|LIN	13524	NR_138483	10390	Hs.363572	NM_006090	ENSG00000	CEPT1	-	choline/e	protein-coding
chr10-692	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr10	69207412	69208955	+	0	NA	intron (N	MER5A1|DN	-12149	NM_025130	80201	Hs.522988	NM_025130	ENSG00000	HKDC1	-	hexokinas	protein-coding
chr12-770	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr12	77020069	77020650	+	0	NA	TTS (NM_2	TTS (NM_2	45210	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr17-480	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr17	48074800	48076984	+	0	NA	intron (N	intron (N	25294	NM_006807	10951	Hs.77254	NM_006807	ENSG00000	CBX1	CBX|HP1-B	chromobox	protein-coding
chr2-9226	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr2	92260195	92261232	+	0	NA	Intergeni	ALR/Alpha	319580	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9660	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr2	96600019	96601898	+	0	NA	intron (N	FLAM_C|SI	37033	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr20-248	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr20	2481837	2483789	+	0	NA	3’ UTR (N	3’ UTR (N	-12024	NM_198216	6628	Hs.83753	NM_003091	ENSG00000	SNRPB	CCMS|COD|	small nuc	protein-coding
chr21-363	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr21	36337755	36340378	+	0	NA	intron (N	intron (N	18869	NM_015358	23515	Hs.421150	NM_015358	ENSG00000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr22-353	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr22	35383945	35384776	+	0	NA	intron (N	AluSx1|SI	3264	NM_002133	3162	Hs.517581	NM_002133	ENSG00000	HMOX1	HMOX1D|HO	heme oxyg	protein-coding
chr4-1828	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	23538	NM_001351	1635	Hs.183850	NM_001921	ENSG00000	DCTD	-	dCMP deam	protein-coding
chr9-1285	7.914524	0.408208	0.824977	0.494811	0.620733	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-13191	NM_001195	6709	Hs.372331	NM_003127	ENSG00000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr1-1536	12.63941	0.328719	0.664372	0.494781	0.620755	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	5810	NM_004515	3608	Hs.75117	NM_004515	ENSG00000	ILF2	NF45|PRO3	interleuk	protein-coding
chr10-981	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr10	98166011	98167441	+	0	NA	intron (N	intron (N	32069	NM_138469	27291	Hs.419800	NM_014472	ENSG00000	R3HCC1L	C10orf28|	R3H domai	protein-coding
chr17-438	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr17	43812437	43813811	+	0	NA	intron (N	intron (N	20070	NR_148345	4356	Hs.396566	NM_001932	ENSG00000	MPP3	DLG3	membrane	protein-coding
chr17-620	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr17	62013334	62013944	+	0	NA	intron (N	L1M5|LINE	51639	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr2-2480	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr2	24803735	24807200	+	0	NA	intron (N	L1PA4|LIN	12042	NM_001199	79172	Hs.731569	NM_024322	ENSG00000	CENPO	CENP-O|IC	centromer	protein-coding
chr3-1002	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	27081	NM_001199	55773	Hs.477003	NM_018309	ENSG00000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr4-1502	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr4	15020168	15021497	+	0	NA	intron (N	L2b|LINE|	18351	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr4-1683	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-57949	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr4-1843	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-9740	NR_125933	1.03E+08	Hs.432281	NR_125933	ENSG00000	LINC02362	-	long inte	ncRNA
chr7-1054	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSx1|SI	50226	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr7-1397	5.426316	-0.48761	0.985883	-0.49459	0.620888	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MC5|LIN	17008	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr1-1800	11.16721	0.359271	0.726551	0.494489	0.620961	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	MLT1-int|	93955	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr3-1839	11.16721	0.359271	0.726551	0.494489	0.620961	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-56712	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG00000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr1-3585	5.434174	-0.48996	0.991277	-0.49427	0.621114	0.981636	chr1	35851950	35852574	+	0	NA	intron (N	intron (N	-17546	NM_001317	26523	Hs.22867	NM_012199	ENSG00000	AGO1	EIF2C|EIF	argonaute	protein-coding
chr20-137	5.434174	-0.48996	0.991277	-0.49427	0.621114	0.981636	chr20	13728138	13728883	+	0	NA	intron (N	intron (N	56376	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr5-1152	5.434174	-0.48996	0.991277	-0.49427	0.621114	0.981636	chr5	1.15E+08	1.15E+08	+	0	NA	intron (N	L1PA5|LIN	39763	NM_005023	5229	Hs.254006	NM_005023	ENSG00000	PGGT1B	BGGI|GGTI	protein g	protein-coding
chr19-190	7.13026	-0.44543	0.901752	-0.49396	0.621335	0.981636	chr19	19037818	19038070	+	0	NA	intron (N	MER1A|DNA	-4100	NM_001321	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr3-1030	9.86482	-0.37863	0.766824	-0.49377	0.621471	0.981636	chr3	10309879	10310362	+	0	NA	intron (N	L1ME1|LIN	10921	NM_001136	6396	Hs.166924	NM_030673	ENSG00000	SEC13	D3S1231E|	SEC13 hom	protein-coding
chr17-381	10.4007	-0.36033	0.729813	-0.49373	0.621497	0.981636	chr17	3812539	3812779	+	0	NA	3’ UTR (N	3’ UTR (N	-11471	NM_002208	3682	Hs.513867	NM_002208	ENSG00000	ITGAE	CD103|HUM	integrin	protein-coding
chr8-1178	10.4007	-0.36033	0.729813	-0.49373	0.621497	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	90769	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr1-9740	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	9740186	9743941	+	0	NA	intron (N	intron (N	50596	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-3209	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	32093915	32096040	+	0	NA	intron (N	intron (N	8028	NR_049850	1.01E+08		NR_049850	ENSG00000	MIR5585	-	microRNA	ncRNA
chr1-1126	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	12198	NM_001042	389	Hs.502659	NM_175744	ENSG00000	RHOC	ARH9|ARHC	ras homol	protein-coding
chr1-1499	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-29821	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr1-1656	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	AluSc8|SI	20614	NM_001365	223	Hs.2533	NM_000696	ENSG00000	ALDH9A1	ALDH4|ALD	aldehyde	protein-coding
chr1-2021	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	6485	NM_138795	127829	Hs.497399	NM_138795	ENSG00000	ARL8A	ARL10B|GI	ADP ribos	protein-coding
chr1-2468	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSz|SIN	62811	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-119	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr10	11925930	11929685	+	0	NA	intron (N	intron (N	-33097	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr10-977	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr10	97744819	97747028	+	0	NA	intron (N	MER5A|DNA	7446	NM_001002	118813	Hs.744075	NM_144588	ENSG00000	ZFYVE27	PROTRUDIN	zinc fing	protein-coding
chr10-103	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	75333	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr12-276	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	27687314	27694223	+	0	NA	intron (N	intron (N	-5679	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr12-423	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	42375396	42377237	+	0	NA	intron (N	intron (N	44518	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr12-986	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	98686930	98688203	+	0	NA	intron (N	MSTD|LTR|	42266	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-107	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	22473	NM_001317	11137	Hs.506652	NM_007062	ENSG00000	PWP1	IEF-SSP-9	PWP1 homo	protein-coding
chr12-110	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	4411	NR_148517	400073	Hs.44817	NM_207435	ENSG00000	C12orf76	-	chromosom	protein-coding
chr12-123	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	MER33|DNA	2442	NM_001319	353116	Hs.530315	NM_178314	ENSG00000	RILPL1	GOSPEL|RI	Rab inter	protein-coding
chr12-123	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-1633	NR_145743	1.1E+08		NR_145743	ENSG00000	SNORA9B	-	small nuc	snoRNA

chr13-106	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr13	1.06E+08	1.06E+08	+	0	NA	3' UTR (N	3' UTR (N	42210	NM_004093	1948	Hs.149239	NM_004093	ENSG00000	EFNB2	EPLG5|HTK	ephrin B2	protein-coding
chr14-673	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr14	67340764	67341850	+	0	NA	intron (N	SVA_A|Ret	18497	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr15-427	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr15	42733368	42735095	+	0	NA	exon (NM_	exon (NM_	2897	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr15-567	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr15	56703201	56704879	+	0	NA	intron (N	intron (N	30046	NM_001288	54816	Hs.511477	NM_017661	ENSG00000	ZNF280D	SUHW4|ZNF	zinc fing	protein-coding
chr15-844	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr15	84484950	84486464	+	0	NA	intron (N	MamGypLTR	-16868	NR_033787	440299	Hs.454641	NR_033787		DNM1P41	DNM1DN11-	dynamin 1	pseudo
chr16-146	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr16	14603803	14610306	+	0	NA	intron (N	AluY|SINE	23206	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr17-228	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr17	2286569	2289671	+	0	NA	intron (N	AluSx|SIN	15665	NM_017575	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-790	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr17	7901628	7904922	+	0	NA	exon (NM_	exon (NM_	-2848	NR_003000	677763		NR_003000	ENSG00000	SCARNA21	ACA68|SCA	small Caj	ncRNA
chr17-312	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr17	31260704	31261836	+	0	NA	intron (N	intron (N	35969	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr17-460	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr17	46047652	46048138	+	0	NA	intron (N	intron (N	48645	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr19-126	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr19	12660822	12665151	+	0	NA	intron (N	AluSz|SIN	3756	NM_000528	4125	Hs.356769	NM_000528	ENSG00000	MAN2B1	LAMAN|MAN	mannosida	protein-coding
chr19-380	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr19	38099808	38102283	+	0	NA	intron (N	intron (N	-62051	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr19-530	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr19	53080419	53087582	+	0	NA	intron (N	LTR36|LTR	3037	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr2-1592	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MB2|LIN	35501	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-2304	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	50156	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr3-4862	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr3	48624801	48628579	+	0	NA	intron (N	intron (N	-4921	NM_001008	440955	Hs.631922	NM_001008	ENSG00000	TMEM89	-	transmemb	protein-coding
chr3-4898	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr3	48983062	48983748	+	0	NA	non-codin	non-codin	-6503	NM_177938	54681	Hs.654944	NM_017732	ENSG00000	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr3-1976	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-18461	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr5-4074	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr5	40740691	40742002	+	0	NA	intron (N	L1ME1|LIN	14615	NM_012382	23548	Hs.348915	NM_012382	ENSG00000	TTC33	OSRF	tetratric	protein-coding
chr6-9955	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr6	99554686	99555973	+	0	NA	intron (N	intron (N	13331	NM_005190	892	Hs.430646	NM_005190	ENSG00000	CCNC	CycC|SRB1	cyclin C	protein-coding
chr7-8019	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr7	80199279	80206887	+	0	NA	intron (N	intron (N	67299	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G protein	protein-coding
chr7-1314	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	109941	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chrX-1543	7.922382	0.406278	0.822914	0.493706	0.621514	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	24403	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr2-9517	12.14282	0.336516	0.681929	0.493477	0.621675	0.981636	chr2	95179071	95182778	+	0	NA	intron (N	intron (N	15115	NM_001291	7549	Hs.590916	NM_021088	ENSG00000	ZNF2	A1-5|ZNF6	zinc fing	protein-coding
chr4-9889	8.110029	-0.40484	0.820792	-0.49323	0.621847	0.981636	chr4	98898181	98898380	+	0	NA	intron (N	Charlie1a	30853	NM_001130	1977	Hs.13211	NM_001968	ENSG00000	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr10-272	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr10	27206428	27207237	+	0	NA	intron (N	intron (N	33654	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr19-457	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr19	45711621	45712733	+	0	NA	exon (NM_	exon (NM_	3101	NM_001329	23403	Hs.128702	NM_001080	ENSG00000	FBXO46	20D7-FC4|	F-box pro	protein-coding
chr20-355	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr20	35503473	35504182	+	0	NA	exon (NM_	exon (NM_	25825	NR_026933	140873	Hs.158680	NM_080828	ENSG00000	C20orf173	dJ47704.4	chromosom	protein-coding
chr3-1979	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	31540	NR_026786	89782	Hs.518540	NM_033029	ENSG00000	LMLN	GP63|INV|	leishmanc	protein-coding
chr5-7282	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr5	72825516	72826115	+	0	NA	intron (N	MLT1A0|LT	9154	NM_001364	3842	Hs.482497	NM_002270	ENSG00000	TNPO1	IPO2|KPNB	transport	protein-coding
chr5-1128	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-32747	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr7-7700	7.384654	0.423082	0.857797	0.493219	0.621858	0.981636	chr7	77002586	77003103	+	0	NA	intron (N	intron (N	22022	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr1-8671	7.906666	0.41016	0.831612	0.493211	0.621863	0.981636	chr1	86719571	86721149	+	0	NA	intron (N	intron (N	15784	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr15-635	7.906666	0.41016	0.831612	0.493211	0.621863	0.981636	chr15	63591434	63591809	+	0	NA	non-codin	non-codin	-5766	NM_001367	283807	Hs.631163	NM_203373	ENSG00000	FBXL22	Fbl22	F-box and	protein-coding
chr18-459	7.906666	0.41016	0.831612	0.493211	0.621863	0.981636	chr18	45932997	45934096	+	0	NA	intron (N	AluSz|SIN	33783	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr1-2143	9.968823	-0.387	0.784917	-0.49304	0.621985	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	78878	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr12-496	7.386504	0.435021	0.882699	0.492831	0.622132	0.981636	chr12	49654192	49654416	+	0	NA	intron (N	intron (N	23760	NM_001363	25766	Hs.706827	NM_012272	ENSG00000	PRPF40B	HYPC	pre-mRNA	protein-coding
chr2-1079	7.376797	0.425127	0.862703	0.492785	0.622165	0.981636	chr2	10794970	10795206	+	0	NA	intron (N	intron (N	17697	NM_005742	10130	Hs.212102	NM_005742	ENSG00000	PDIA6	ERP5|P5|T	protein d	protein-coding
chr6-1697	7.376797	0.425127	0.862703	0.492785	0.622165	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	17427	NM_001278	55780	Hs.47546	NM_018341	ENSG00000	ERMARD	C6orf70|F	ER membra	protein-coding
chr6-3667	13.17714	0.322405	0.654253	0.492783	0.622166	0.981636	chr6	36678787	36687689	+	0	NA	intron (N	MIR|SINE|	4524	NM_000389	1026	Hs.370771	NM_000389	ENSG00000	CDKN1A	CAP20|CDK	cyclin de	protein-coding
chr19-486	10.82887	-0.35222	0.715475	-0.49229	0.622515	0.981636	chr19	48614913	48618205	+	0	NA	intron (N	intron (N	2619	NM_001270	6141	Hs.515517	NM_000979	ENSG00000	RPL18	DBA18|L18	ribosomal	protein-coding
chr2-1121	10.82887	-0.35222	0.715475	-0.49229	0.622515	0.981636	chr2	11213738	11216066	+	0	NA	exon (NM_	exon (NM_	59435	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr1-3284	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr1	32843491	32844318	+	0	NA	intron (N	intron (N	18591	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr10-126	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	88816	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|d	dedicator	protein-coding
chr10-131	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	40088	NM_001291	55844	Hs.380372	NM_018461	ENSG00000	PPP2R2D	B55D|B55d	protein p	protein-coding
chr11-349	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr11	34959388	34960642	+	0	NA	intron (N	L1MB3|LIN	18178	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-481	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr11	48155752	48158469	+	0	NA	intron (N	AluSc5|SI	-59700	NM_001005	119765	Hs.553566	NM_001005	ENSG00000	OR4B1	OR11-106|	olfactory	protein-coding
chr12-529	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr12	52950556	52951482	+	0	NA	intron (N	intron (N	-1159	NM_001256	3856	Hs.533782	NM_002273	ENSG00000	KRT8	CARD2|CK-	keratin 8	protein-coding
chr12-120	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	TTS (NR_0	TTS (NR_0	755	NR_039849	1.01E+08		NR_039849	ENSG00000	MIR4700	mir-4700	microRNA	ncRNA
chr13-114	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	1436	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr15-735	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr15	73579777	73581280	+	0	NA	intron (N	(TA)n|Sim	-10985	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr16-426	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr16	4261666	4262233	+	0	NA	exon (NM_	exon (NM_	-8160	NR_039999	1.01E+08	Hs.632979	NR_039999		LINC01569	-	long inte	ncRNA
chr16-222	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr16	22270649	22271190	+	0	NA	intron (N	(TA)n|Sim	-26456	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr16-570	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr16	57019696	57020172	+	0	NA	intron (N	intron (N	2860	NM_032206	84166	Hs.528836	NM_032206	ENSG00000	NLRC5	CLR16.1|N	NLR famil	protein-coding
chr16-896	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr16	89695345	89695683	+	0	NA	TTS (NM_1	TTS (NM_1	6191	NM_152339	124044	Hs.374556	NM_152339	ENSG00000	SPATA2L	C16orf76|	spermatog	protein-coding
chr17-296	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr17	29648762	29649373	+	0	NA	intron (N	AluSg7|SI	-27644	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr17-313	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr17	31330839	31332267	+	0	NA	intron (N	intron (N	-9931	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr19-118	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr19	11892849	11893770	+	0	NA	intron (N	MER57E3|L	5527	NM_001364	7620	Hs.565280	NM_021915	ENSG00000	ZNF69	Cos5|hZNF	zinc fing	protein-coding
chr19-162	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr19	16236067	16236724	+	0	NA	3' UTR (N	3' UTR (N	38484	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAP	adaptor r	protein-coding
chr19-381	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr19	38179698	38180788	+	0	NA	intron (N	L1M4a2|LI	17147	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr2-3883	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr2	38836947	38837974	+	0	NA	intron (N	AluSp|SIN	38474	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr2-1343	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	L1MC5|LIN	72087	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-1343	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	123099	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-1719	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-20792	NM_001322	254042	Hs.298250	NM_199227	ENSG00000	METAP1D	MAP 1D|MA	methionyl	protein-coding
chr2-1784	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	MER5B|DNA	18042	NM_001139	8575	Hs.570274	NM_003690	ENSG00000	PRKRA	DYT16|HSD	protein a	protein-coding
chr20-321	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr20	3219276	3222155	+	0	NA	intron (N	AluJb|SIN	11217	NM_181493	3704	Hs.415299	NM_033453	ENSG00000	ITPA	C20orf37|	inosine t	protein-coding
chr20-253	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr20	25370448	25372002	+	0	NA	intron (N	intron (N	19610	NM_015600	26090	Hs.441550	NM_015600	ENSG00000	ABHD12	ABHD12A|B	abhydrola	protein-coding
chr20-328	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr20	32843743	32844906	+	0	NA	intron (N	intron (N	-14599	NM_001143	388795		NM_001143	ENSG00000	EFCAB8	-	EF-hand d	protein-coding
chr20-349	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr20	34949406	34951840	+	0	NA	intron (N	AluSz|SIN	5012	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr3-3384	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr3	33843307	33844699	+	0	NA	intron (N	intron (N	45373	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr4-2540	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr4	25403694	25404076	+	0	NA	intron (N	intron (N	26622	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-5588	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr4	55884157	55884805	+	0	NA	intron (N	intron (N	30831	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr4-1684	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	FLAM_C|SI	21206	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-9549	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr5	95493309	95493818	+	0	NA	intron (N	intron (N	61442	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1571	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	3' UTR (N	3' UTR (N	4213	NM_001100	9443	Hs.279902	NM_004270	ENSG00000	MED7	ARC34|CRS	mediator	protein-coding
chr5-1723	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	65298	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr7-2480	5.418458	-0.4853	0.985853	-0.49227	0.622532	0.981636	chr7	24801613	24802445	+	0	NA	intron (N	L1ME4b|LI	-44090	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr12-652	5.385176	-0.49218	1.000244	-0.49206	0.622676	0.981636	chr12	65240273	65241131	+	0	NA	intron (N	MER5B|DNA	-37981	NM_001031	253827	Hs.339024	NM_198080	ENSG00000	MSRB3	DFNB74	methionin	protein-coding
chr15-329	7.624998	-0.41898	0.85167	-0.49195	0.622758	0.981636	chr15	32999646	32999845	+	0	NA	intron (N	intron (N	68429	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr3-4808	7.624998	-0.41898	0.85167	-0.49195	0.622758	0.981636	chr3	48083578	48084775	+	0	NA	intron (N	AluSg4|SI	4672	NM_002375	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr14-617	10.87001	-0.35012	0.711745	-0.49191	0.622781	0.981636	chr14	61747428	61748536	+	0	NA	non-codin	non-codin	1107	NR_045406	1.01E+08	Hs.597216	NR_045406		HIF1A-AS2	3'aHIF-1A	HIF1A ant	ncRNA
chr19-915	10.87001	-0.35012	0.711745	-0.49191	0.622781	0.981636	chr19	9158104	9164875	+	0	NA	non-codin	non-codin	21092	NR_102435	57693	Hs.465829	NM_020933	ENSG00000	ZNF317	-	zinc fing	protein-coding
chr2-1961	10.87001	-0.35012	0.711745	-0.49191	0.622781	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	16895	NM_004226	9262	Hs.88297	NM_004226	ENSG00000	STK17B	DRAK2	serine/th	protein-coding
chr20-511	10.87001	-0.35012	0.711745	-0.49191	0.622781	0.981636	chr20	5114182	5117213	+	0	NA	intron (N	L1MC5|LIN	-2610	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr2-2083	8.125744	-0.40826	0.830249	-0.49173	0.62291	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-30565	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr1-2467	9.939241	-0.3726	0.757748	-0.49173	0.622913	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	L2a|LINE|	3431	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr1-2200	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	LTR48|LTR	7449	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr15-494	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr15	49470370	49472103	+	0	NA	intron (N	AluSx|SIN	47994	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr16-155	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr16	15584455	15585686	+	0	NA	intron (N	intron (N	26025	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-234	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr16	23433105	23433962	+	0	NA	intron (N	intron (N	19656	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr16-317	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr16	31759118	31760600	+	0	NA	3' UTR (N	3' UTR (N	46630	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-788	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr17	78830896	78838191	+	0	NA	intron (N	AluSz|SIN	5984	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr2-4354	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr2	43548065	43549285	+	0	NA	intron (N	L1PA3|LIN	47299	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr3-3703	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr3	37034330	37037337	+	0	NA	intron (N	AluSx1|SI	42483	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr4-1228	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	MLT1B|LTR	13194	NM_001361	2247	Hs.284244	NM_002006	ENSG00000	FGF2	BFGF|FGF-	fibroblas	protein-coding
chr9-1104	8.452252	0.393297	0.799843	0.491718	0.622919	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-120561	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1508	8.444394	0.395156	0.803697	0.491672	0.622951	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	MER58A|DN	-11832	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTSO2|CTS	cathepsin	protein-coding
chr22-318	8.444394	0.395156	0.803697	0.491672	0.622951	0.981636	chr22	31847590	31848122	+	0	NA	intron (N	THE1C-int	90598	NM_001302	25775	Hs.627602	NM_015372	ENSG00000	C22orf24	HSN44A4A	chromosom	protein-coding
chr3-1703	8.444394	0.395156	0.803697	0.491672	0.622951	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-54985	NM_005414	6498	Hs.536655	NM_005414	ENSG00000	SKIL	SNO|SnoA|	SKI like	protein-coding
chr5-3471	8.444394	0.395156	0.803697	0.491672	0.622951	0.981636	chr5	34718569	34719829	+	0	NA	intron (N	MLT1G1|LT	31640	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-1549	8.444394	0.395156	0.803697	0.491672	0.622951	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluY|SINE	11403	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr12-105	8.102171	-0.40324	0.820628	-0.49138	0.623161	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluJo|SIN	52798	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr14-346	8.102171	-0.40324	0.820628	-0.49138	0.623161	0.981636	chr14	34624276	34624726	+	0	NA	intron (N	intron (N	5647	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting n	protein-coding
chr6-3068	8.102171	-0.40324	0.820628	-0.49138	0.623161	0.981636	chr6	30683114	30683521	+	0	NA	intron (N	intron (N	3328	NM_133471	170954	Hs.101150	NM_133471	ENSG00000	PPP1R18	HKMT1098|	protein p	protein-coding
chr8-5581	8.102171	-0.40324	0.820628	-0.49138	0.623161	0.981636	chr8	55818220	55818435	+	0	NA	intron (N	AluJb|SIN	44881	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr9-1314	8.102171	-0.40324	0.820628	-0.49138	0.623161	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	L1ME4b|LI	4843	NM_013318	84726	Hs.743955	NM_013318	ENSG00000	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr1-2257	12.64727	0.327482	0.666739	0.49117	0.623306	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSx|SIN	10418	NM_001130	6726	Hs.511425	NM_003133	ENSG00000	SRP9	ALURBP	signal re	protein-coding
chr1-1510	13.14386	0.320306	0.652331	0.491017	0.623415	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	5052	NM_020239	56882	Hs.22065	NM_020239	ENSG00000	CDC42SE1	SCIP1|SPE	CDC42 sma	protein-coding
chr19-576	13.14386	0.320306	0.652331	0.491017	0.623415	0.981636	chr19	57634802	57643448	+	0	NA	intron (N	L1MB3|LIN	5957	NM_006385	10520	Hs.590977	NM_006385	ENSG00000	ZNF211	C2H2-25|C	zinc fing	protein-coding
chr1-2073	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	MER115|DN	7648	NR_125349	1604	Hs.126517	NM_000574	ENSG00000	CD55	CHAPLE|CR	CD55 mole	protein-coding
chr11-142	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr11	14285243	14287825	+	0	NA	intron (N	L1MEc|LIN	71951	NM_001177	22800	Hs.502004	NM_012250	ENSG00000	RRAS2	TC21	RAS relat	protein-coding
chr12-661	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr12	66137827	66142398	+	0	NA	intron (N	L1MEc|LIN	9361	NR_125724	1.04E+08	Hs.504820	NR_125724	ENSG00000	LLPH-DT	LLPH-AS1	LLPH dive	ncRNA
chr12-110	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger7|D	13310	NM_016226	51699	Hs.600114	NM_016226	ENSG00000	VPS29	DC15|DC7|	VPS29 ret	protein-coding
chr13-370	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr13	37003643	37005627	+	0	NA	intron (N	intron (N	3849	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr15-425	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr15	42538805	42539147	+	0	NA	3' UTR (N	3' UTR (N	9817	NM_153260	255252	Hs.234681	NM_153260	ENSG00000	LRRC57	-	leucine r	protein-coding
chr15-484	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr15	48479367	48481219	+	0	NA	intron (N	intron (N	148096	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr2-1357	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MB7|LIN	-31697	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr5-1731	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	10420	NM_013980	662	Hs.145726	NM_001205	ENSG00000	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr6-1473	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	MLT1D|LTR	-142180	NM_001030	389432	Hs.567973	NM_001030	ENSG00000	SAMD5	dJ875H10.	sterile a	protein-coding
chr8-2210	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr8	22103260	22103506	+	0	NA	3' UTR (N	3' UTR (N	6036	NM_024815	79873	Hs.527101	NM_024815	ENSG00000	NUDT18	MTH3	nudix hyd	protein-coding
chr8-1009	7.65828	-0.41424	0.843823	-0.49091	0.623492	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	Charlie1a	17615	NM_001135	7534	Hs.492407	NM_003406	ENSG00000	YWHAZ	14-3-3-ze	tyrosine	protein-coding
chr1-6264	7.392512	0.420981	0.857924	0.490697	0.623641	0.981636	chr1	62645683	62646306	+	0	NA	intron (N	AluSc8|SI	42374	NM_001330	85440	Hs.744927	NM_033407	ENSG00000	DOCK7	EIEE23|ZI	dedicator	protein-coding
chr14-649	7.392512	0.420981	0.857924	0.490697	0.623641	0.981636	chr14	64932358	64932648	+	0	NA	3' UTR (N	3' UTR (N	10242	NR_138078	2877	Hs.2704	NM_002083	ENSG00000	GPX2	GI-GPx|GP	glutathio	protein-coding

chr19-131	7.392512	0.420981	0.857924	0.490697	0.623641	0.981636	chr19	13135320	13135909	+	0	NA	exon (NM_	exon (NM_	14761	NM_001271	8677	Hs.43812	NM_00376	ENSG0000	STX10	SYN10|hsy	syntaxin	protein-coding
chr2-1277	7.392512	0.420981	0.857924	0.490697	0.623641	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	8071	NM_03274	84826	Hs.34584	NM_03274	ENSG0000	SFT2D3	-	SFT2 doma	protein-coding
chr5-1764	7.392512	0.420981	0.857924	0.490697	0.623641	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	37544	NM_014613	23197	Hs.48424	NM_01461	ENSG0000	FAF2	ETEA|UBXD	Fas assoc	protein-coding
chr1-3265	7.196823	-0.43504	0.886814	-0.49057	0.623734	0.981636	chr1	32652700	32653014	+	0	NA	intron (N	intron (N	1499	NM_001135	5928	Hs.16003	NM_00561	ENSG0000	RBBP4	NURF55|RE	RB bindir	protein-coding
chr1-2148	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr1	21480590	21482892	+	0	NA	non-codir	non-codir	-27243	NM_001369	249	Hs.75431	NM_00047	ENSG0000	ALPL	AP-TNAP|	alkaline	protein-coding
chr1-1163	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	1989	NM_00116	476	Hs.37188	NM_000701	ENSG0000	ATP1A1	CMT2DD|HC	ATPase Na	protein-coding
chr10-623	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr10	6230133	6232062	+	0	NA	intron (N	intron (N	28165	NM_00456	5209	Hs.195471	NM_00456	ENSG0000	PFKFB3	IPFK2|PFK	6-phosphc	protein-coding
chr12-719	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr12	7199345	7203440	+	0	NA	intron (N	(AT)n|Sim	11030	NM_00031	5830	Hs.567327	NM_00031	ENSG0000	PEX5	PBD2A|PBD	peroxison	protein-coding
chr12-928	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr12	92836931	92837443	+	0	NA	intron (N	MIR|SINE|	92108	NM_00356	8411	Hs.567367	NM_00356	ENSG0000	EEA1	MST105|MS	early enc	protein-coding
chr19-326	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr19	32613569	32617628	+	0	NA	intron (N	AluJo|SIN	-7129	NR_14571	1.1E+08		NR_14571	ENSG0000	SNORA68B	-	small nuc	snoRNA
chr2-1139	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-12072	NR_148507	440900	Hs.66220	NR_03412	ENSG0000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr20-459	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr20	45961150	45961841	+	0	NA	intron (N	MER103C|D	10708	NM_02209	63925	Hs.17419	NM_02209	ENSG0000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr22-439	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr22	43996517	43997477	+	0	NA	TTS (NM_C	TTS (NM_C	-2214	NM_001003	29780	Hs.475074	NM_013327	ENSG0000	PARVB	CGI-56	parvin be	protein-coding
chr6-3033	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr6	30335356	30335975	+	0	NA	intron (N	intron (N	6354	NM_00119	202658	Hs.41349	NM_00119	ENSG0000	TRIM39-RF	TRIM39R	TRIM39-RF	protein-coding
chr7-2992	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr7	29922169	29923748	+	0	NA	3’ UTR (N	3’ UTR (N	66843	NM_01476	9805	Hs.52074	NM_01476	ENSG0000	SCRN1	SES1	secernin	protein-coding
chr9-1271	7.963522	0.407571	0.83107	0.490418	0.623838	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	18481	NM_012098	23452	Hs.65326	NM_01209	ENSG0000	ANGPTL2	ARP2|HARP	angiopoie	protein-coding
chr17-604	10.86215	-0.3489	0.711537	-0.49035	0.623888	0.981636	chr17	60471642	60472764	+	0	NA	intron (N	L1MB4|LIN	49714	NM_181707	124773	Hs.12931	NM_181707	ENSG0000	C17orf64	-	chromoson	protein-coding
chr2-9723	10.86215	-0.3489	0.711537	-0.49035	0.623888	0.981636	chr2	97230028	97231431	+	0	NA	intron (N	L1PA3|LIN	-47988	NR_103732	1.01E+08	Hs.73261	NR_103732		LOC10050	-	uncharact	ncRNA
chr7-1005	7.40407	0.44321	0.90426	0.490136	0.624038	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	FLAM_C|SI	-1276	NM_00128	1.02E+08	Hs.12574	NM_001289933		ZASP	-	ZO-2 assc	protein-coding
chr1-1764	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	1764485	1765601	+	0	NA	intron (N	intron (N	-6401	NM_00119	65220	Hs.65479	NM_02301	ENSG0000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-3832	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	3832413	3833184	+	0	NA	intron (N	AluJb|SIN	24413	NM_014704	9731	Hs.13308	NM_01470	ENSG0000	CEP104	CFAP256|C	centroson	protein-coding
chr1-1106	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	11065026	11071702	+	0	NA	intron (N	intron (N	-8346	NM_003132	6723	Hs.76244	NM_00313	ENSG0000	SRM	PAPT|SPDS	spermidir	protein-coding
chr1-3591	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	35915206	35918066	+	0	NA	intron (N	AluSz|SIN	-14469	NM_177422	192669	Hs.65765	NM_02485	ENSG0000	AGO3	EIF2C3	argonaute	protein-coding
chr1-1515	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSc|SIN	24707	NR_03028	693139		NR_03028	ENSG0000	MIR554	MIRN554|h	microRNA	ncRNA
chr1-2057	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-15105	NM_001135	8934	Hs.11532	NM_00392	ENSG0000	RAB29	RAB7L|RAE	RAB29, me	protein-coding
chr11-459	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr11	45969686	45971602	+	0	NA	intron (N	intron (N	47988	NM_00130	120071	Hs.86543	NM_15231	ENSG0000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr11-673	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr11	67310200	67310620	+	0	NA	intron (N	intron (N	6880	NM_017857	54961	Hs.29173	NM_017857	ENSG0000	SSH3	SSH3L	slingshot	protein-coding
chr11-689	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr11	68908779	68911776	+	0	NA	intron (N	intron (N	6426	NM_00218	3508	Hs.50304	NM_00218	ENSG0000	IGHMBP2	CATF1|CMT	immunoglc	protein-coding
chr12-477	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr12	47792012	47795576	+	0	NA	intron (N	intron (N	20556	NM_017842	55652	Hs.438867	NM_01784	ENSG0000	SLC48A1	HRG-1|HRG	solute ca	protein-coding
chr12-507	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr12	50724808	50725385	+	0	NA	intron (N	intron (N	-39005	NM_005171	466	Hs.64856	NM_005171	ENSG0000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-100	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	7178	NR_04856	64431	Hs.11508	NM_02249	ENSG0000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr12-105	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26994	NM_15231	121053	Hs.29556	NM_15231	ENSG0000	C12orf45	-	chromoson	protein-coding
chr12-132	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-17389	NM_001172	2802	Hs.50733	NM_00589	ENSG0000	GOLGA3	GCP170|ME	golgin A	protein-coding
chr14-912	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr14	91215565	91217194	+	0	NA	intron (N	AluJr|SIN	28325	NM_001177	8111	Hs.8882	NM_00348	ENSG0000	GPR68	AI2A6|GPR	G proteir	protein-coding
chr15-428	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr15	42802147	42802542	+	0	NA	intron (N	intron (N	-65216	NM_138477	146059	Hs.59923	NM_138477	ENSG0000	CDAN1	CDA1|CDA1	codanin 1	protein-coding
chr15-900	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr15	90087471	90088811	+	0	NA	intron (N	AluJr|SIN	-5934	NR_146321	1.1E+08	Hs.65524	NR_146321	ENSG0000	ZNF710-AS	-	ZNF710 ar	ncRNA
chr15-943	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr15	94399429	94400582	+	0	NA	intron (N	intron (N	44075	NM_00115	55784	Hs.33368	NM_01834	ENSG0000	MCTP2	-	multiple	protein-coding
chr16-311	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr16	31119606	31121807	+	0	NA	intron (N	MIR3|SINE	3042	NM_03218	84148	Hs.53380	NM_03218	ENSG0000	KAT8	MOF|MYST1	lysine ac	protein-coding
chr17-488	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr17	4885797	4888435	+	0	NA	exon (NM_	exon (NM_	-12420	NM_00114	1E+08	Hs.57924	NM_00114	ENSG0000	C17orf107	-	chromoson	protein-coding
chr17-648	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr17	64819715	64824907	+	0	NA	promoter-	promoter-	-209	NR_036271	1E+08		NR_036271	ENSG0000	MIR4315-2	-	microRNA	ncRNA
chr17-788	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr17	78802756	78807164	+	0	NA	intron (N	intron (N	-22618	NM_004762	9267	Hs.19121	NM_00476	ENSG0000	CYTH1	B2-1|CYTC	cytohesir	protein-coding
chr18-232	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr18	23255915	23257558	+	0	NA	intron (N	AluSx1|SI	100911	NM_13837	91768	Hs.11108	NM_13837	ENSG0000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr18-420	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr18	42003277	42005195	+	0	NA	intron (N	MamRep409	49002	NM_002647	5289	Hs.464971	NM_002647	ENSG0000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr18-796	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr18	79699880	79701054	+	0	NA	intron (N	Tigger1|D	19037	NM_001202	9150	Hs.46549	NM_00471	ENSG0000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr19-146	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	14697779	14704333	+	0	NA	intron (N	HAL1|LINE	11008	NM_001352	84449	Hs.51521	NM_03243	ENSG0000	ZNF333	-	zinc fing	protein-coding
chr19-215	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	21518234	21523985	+	0	NA	TTS (NR_1	TTS (NR_1	15507	NM_00134	353088	Hs.572567	NM_001001	ENSG0000	ZNF429	-	zinc fing	protein-coding
chr19-350	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	35019283	35022382	+	0	NA	intron (N	L2a|LINE|	-9638	NM_001037	6324	Hs.43664	NM_001037	ENSG0000	SCN1B	ATFB13|BR	sodium vc	protein-coding
chr19-356	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	35630565	35636791	+	0	NA	intron (N	intron (N	4642	NM_024321	79171	Hs.5086	NM_024321	ENSG0000	RBM42	-	RNA bindi	protein-coding
chr19-369	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	36936769	36943099	+	0	NA	intron (N	intron (N	23602	NM_001204	374900	Hs.40422	NM_19853	ENSG0000	ZNF568	ZFP568	zinc fing	protein-coding
chr19-419	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	41901090	41905266	+	0	NA	intron (N	AluJr|SIN	18735	NM_199002	9138	Hs.63155	NM_00470	ENSG0000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr19-449	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	44974452	44980505	+	0	NA	intron (N	intron (N	22098	NM_001294	1209	Hs.444441	NM_001294	ENSG0000	CLPTM1	-	CLPTM1 re	protein-coding
chr19-500	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr19	50013205	50019027	+	0	NA	exon (NM_	exon (NM_	9256	NM_01644	51231	Hs.44333	NM_01644	ENSG0000	VRK3	-	VRK serir	protein-coding
chr2-2839	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr2	28398060	28398651	+	0	NA	intron (N	intron (N	-3683	NR_103831	403150	Hs.56297	NR_103831	ENSG0000	FLJ31356	-	uncharact	ncRNA
chr20-303	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr20	3034945	3037919	+	0	NA	intron (N	intron (N	-7190	NM_001501	2797	Hs.12971	NM_001501	ENSG0000	GNRH2	GnRH-II|I	gonadotrc	protein-coding
chr20-304	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr20	3047972	3049617	+	0	NA	TTS (NM_C	TTS (NM_C	2742	NM_030811	64949	Hs.18946	NM_030811	ENSG0000	MRPS26	C20orf193	mitochonc	protein-coding
chr20-330	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr20	3303798	3305740	+	0	NA	intron (N	intron (N	-65579	NM_001174	83959	Hs.105607	NM_032034	ENSG0000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-505	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr20	50596911	50598126	+	0	NA	intron (N	intron (N	11732	NR_03037	693230		NR_03037	ENSG0000	MIR645	MIRN645|h	microRNA	ncRNA
chr20-640	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr20	64022467	64023151	+	0	NA	exon (NM_	exon (NM_	-10918	NM_00134	284739	Hs.97840	NM_20734	ENSG0000	C20orf204	LINC00176	chromoson	protein-coding
chr21-332	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr21	33246186	33249825	+	0	NA	intron (N	intron (N	18067	NM_000874	3455	Hs.70819	NM_000874	ENSG0000	IFNAR2	IFN-R|IFN	interferc	protein-coding
chr21-335	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr21	33596010	33600126	+	0	NA	intron (N	intron (N	-9384	NM_017613	29980	Hs.436341	NM_01761	ENSG0000	DONSON	B17|C21or	downstrea	protein-coding
chr22-191	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr22	19139175	19142786	+	0	NA	intron (N	intron (N	3671	NM_02271	8220	Hs.517407	NM_02271	ENSG0000	ESS2	DGCR13|DG	ess-2 spl	protein-coding
chr22-264	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr22	26465142	26469408	+	0	NA	intron (N	MER58B|DN	12213	NR_07313	89781	Hs.47443	NM_022081	ENSG0000	HPS4	BLOC3S2|I	HPS4 biog	protein-coding
chr3-1542	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	39928	NM_02086	170506	Hs.44627	NM_02086	ENSG0000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr3-1838	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	18645	NM_001037	55486	Hs.47846	NM_01862	ENSG0000	PARL	PRO2207|P	presenili	protein-coding
chr4-8244	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr4	82449088	82449507	+	0	NA	intron (N	intron (N	18707	NM_021204	58478	Hs.18442	NM_021204	ENSG0000	ENOPH1	E1|MASA|M	enolase-p	protein-coding
chr5-3494	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr5	34941509	34942933	+	0	NA	intron (N	intron (N	12628	NM_00134	134218	Hs.131887	NM_19428	ENSG0000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr5-1127	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	MER21C|LT	56989	NM_001354	324	Hs.15893	NM_00003	ENSG0000	APC	BTPS2|DP2	APC regul	protein-coding
chr6-3164	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr6	31643835	31649312	+	0	NA	intron (N	intron (N	5817	NM_00109	7917	Hs.44090	NM_00463	ENSG0000	BAG6	BAG-6|BAT	BCL2 assc	protein-coding
chr7-5324	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr7	5324985	5326994	+	0	NA	intron (N	AluJo|SIN	43046	NM_00104	222962	Hs.4302	NM_153247	ENSG0000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-9249	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr7	92492702	92494330	+	0	NA	intron (N	AluJb|SIN	-15570	NM_00113	30816		NM_01459	ENSG0000	ERVW-1	ENV|ENVW|	endogenou	protein-coding
chr8-1405	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19923	NR_040712	54108	Hs.27970	NM_017444	ENSG0000	CHRAC1	CHARC1|CH	chromatir	protein-coding
chr9-7964	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr9	79644121	79644865	+	0	NA	intron (N	MIRb|SINE	71316	NM_001351	7091	Hs.44421	NM_00700	ENSG0000	TLE4	BCE-1|BCE	TLE famil	protein-coding
chr9-1015	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	LTR13|LTR	16033	NM_01959	56254	Hs.72908	NM_01959	ENSG0000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr9-1143	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	15683	NM_00060	5005	Hs.719954	NM_00060	ENSG0000	ORM2	AGP-B|AGP	orosomucc	protein-coding
chr9-1306	7.93024	0.404326	0.825274	0.48993	0.624183	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	promoter-	promoter-	-756	NR_10691	1.02E+08		NR_10691	ENSG0000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr7-5504	3.229483	-0.62557	1.277216	-0.48979	0.624283	0.981636	chr7	55041308	55041846	+	0	NA	intron (N	intron (N	22545	NM_201283	1956	Hs.48829	NM_00522	ENSG0000	EGFR	ERBB|ERBE	epidermal	protein-coding
chr1-2201	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluY|SINE	-28091	NR_029711	406969		NR_029711	ENSG0000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr11-972	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr11	9727907	9728624	+	0	NA	intron (N	intron (N	-30028	NR_03648	283104	Hs.63215	NR_03648	ENSG0000	SBF2-AS1	-	SBF2 anti	ncRNA
chr16-751	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr16	75155103	75156221	+	0	NA	intron (N	L1ME3D|LI	6611	NM_00131	162239	Hs.38881	NM_15368	ENSG0000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr2-9597	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr2	95975566	95977600	+	0	NA	intron (N	intron (N	15241	NM_00131	400986	Hs.64631	NM_00101	ENSG0000	ANKRD36C	-	ankyrin r	protein-coding
chr3-3699	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr3	36997000	37000329	+	0	NA	intron (N	L1MB3|LIN	5314	NM_001258	4292	Hs.19536	NM_00024	ENSG0000	MLH1	COCA2|FCC	mutL homc	protein-coding
chr4-4789	8.14331	-0.40036	0.817678	-0.48962	0.624399	0.981636	chr4	47895558	47896603	+	0	NA	intron (N	Tigger1|D	-18147	NR_12587	1.02E+08	Hs.13419	NR_125879		LOC101927	-	uncharact	ncRNA
chr1-1081	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA3|LIN	25648	NM_213651	29957	Hs.65687	NM_01338	ENSG0000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr11-330	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr11	33030829	33031896	+	0	NA	intron (N	intron (N	-8210	NM_018393	55346	Hs.655341	NM_01839	ENSG0000	TCP11L1	dJ85M6.3	t-complex	protein-coding
chr12-966	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr12	9661858	9662522	+	0	NA	Intergeni	LTR45B|LT	-7523	NM_001197	29121	Hs.26832	NM_01326	ENSG0000	CLEC2D	CLAX|LLT1	C-type le	protein-coding
chr12-101	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-48882	NR_04983	1.01E+08		NR_04983	ENSG0000	MIR548AQ	-	microRNA	ncRNA
chr12-108	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9818	NR_039717	1.01E+08		NR_039717	ENSG0000	MIR4496	-	microRNA	ncRNA
chr16-476	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr16	47689568	47690168	+	0	NA	intron (N	L1MC|LINE	-168713	NR_11065	1.02E+08	Hs.589404	NR_11065	ENSG0000	LINC0213	-	long inte	ncRNA
chr16-752	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr16	75227923	75230264	+	0	NA	TTS (NR_1	TTS (NR_1	2710	NR_109777	1.01E+08	Hs.71031	NR_109777	ENSG0000	LOC10050	-	uncharact	ncRNA
chr17-420	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr17	42021869	42024395	+	0	NA	intron (N	AluJb|SIN	3042	NM_001144	28511	Hs.63225	NM_01759	ENSG0000	NKIRAS2	KBRAS2|ka	NFKB inhi	protein-coding
chr17-450	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr17	45068001	45068420	+	0	NA	intron (N	intron (N	6893	NM_02107	4836	Hs.53279	NM_02107	ENSG0000	NMT1	NMT	N-myristc	protein-coding
chr2-2031	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-107324	NM_177538	57404	Hs.44606	NM_020674	ENSG0000	CYP20A1	CYP-M	cytochrom	protein-coding
chr5-1127	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	43777	NM_001354	324	Hs.15893	NM_00003	ENSG0000	APC	BTPS2|DP2	APC regul	protein-coding
chr8-8318	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr8	8318057	8319498	+	0	NA	exon (NM_	exon (NM_	67467	NM_001369	157285	Hs.58386	NM_00108	ENSG0000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr8-8976	8.135452	-0.39873	0.814526	-0.48953	0.624468	0.981636	chr8	89765330	89766903	+	0	NA	intron (N	L1MD1|LIN	8300	NM_003821	8767	Hs.10375	NM_003821	ENSG0000	RIPK2	CARD3|CAR	receptor	protein-coding
chr11-110	8.108179	-0.41672	0.851318	-0.4895	0.62449	0.981636	chr11	1.11E+08	1.11E+08	+	0	NA	intron (N	MER52D|LT	111602	NM_001258	57569	Hs.6136	NM_02080	ENSG0000	ARHGAP20	RARHOGAP	Rho GTPas	protein-coding
chr12-122	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-40522	NR_045382	1.01E+08	Hs.62425	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr16-680	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr16	68071070	68071429	+	0	NA	intron (N	intron (N	-14121	NM_173163	4775	Hs.43658	NM_00455	ENSG0000	NFATC3	NF-AT4c|N	nuclear f	protein-coding
chr18-123	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr18	12350218	12352898	+	0	NA	intron (N	AluSp|SIN	25718	NM_00679	10939	Hs.72635	NM_00679	ENSG0000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr2-6509	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr2	65092986	65094578	+	0	NA	intron (N	AluSx1|SI	36324	NM_004161	5861	Hs.31064	NM_004161	ENSG0000	RAB1A	RAB1|YPT1	RAB1A, me	protein-coding
chr2-9936	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr2	99366213	99366750	+	0	NA	intron (N	intron (N	29092	NM_015904	9669	Hs.15868	NM_015904	ENSG0000	EIF5B	IF2	eukaryoti	protein-coding
chr20-583	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr20	58345822	58346856	+	0	NA	intron (N	L2a|LINE|	36624	NM_02067	57403	Hs.529044	NM_02067	ENSG0000	RAB22A	-	RAB22A, m	protein-coding
chr22-216	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr22	21614455	21615340	+	0	NA	intron (N	AluSq2|SI	15125	NR_163925								
chr5-1723	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	72636	NR_130933	1E+08	Hs.531911	NM_001007542		LOC10028	-	uncharact	ncRNA
chr5-1772	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	19821	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, me	protein-coding
chr6-8303	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr6	83031520	83032123	+	0	NA	intron (N	THE1B-int	34020	NM_00135	90025	Hs.14860	NM_19892	ENSG0000	UBE3D	C6orf157|	ubiquitir	protein-coding
chr7-6035	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr7	6035280	6035984	+	0	NA	exon (NM_	exon (NM_	4256	NM_001271	1E+08	Hs.74446	NM_001271	ENSG0000	ANKRD61	-	ankyrin r	protein-coding
chr7-3969	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr7	39692745	39693337	+	0	NA	intron (N	L1PA6|LIN	-40527	NR_026999	349114	Hs.41418	NM_198284		LINC0026	NCRNA0026	long inte	ncRNA
chr8-1335	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	65398	NM_003033	6482	Hs.374257	NM_00303	ENSG0000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1222	8.46011	0.391482	0.800008	0.489348	0.624595	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L1ME4a|LI	-14286	NM_001173	92399	Hs.368011	NM_138777	ENSG0000	MRRF	MRFF|MTRF	mitochonc	protein-coding
chr7-5518	7.368939	0.427166	0.873046	0.489282	0.624642	0.981636	chr7	55181284	55181769	+	0	NA	non-codir	non-codir	7423	NR_047551	1.01E+08	Hs.72048	NR_047551	ENSG0000	EGFR-AS1	-	EGFR anti	ncRNA
chr19-554	6.929206	0.444853	0.909401	0.489171	0.624721	0.981636	chr19	55483182	55483409	+	0	NA	exon (NM_	exon (NM_	-1893	NM_02037	57106	Hs.31854	NM_02037	ENSG0000	NAT14	KLP1	N-acetylt	protein-coding
chr3-1887	6.702085	-0.46376	0.948449	-0.48896	0.624867	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	72522	NR_029502	407020		NR_02950	ENSG0000	MIR28	MIRN28|hs	microRNA	ncRNA
chr2-5529	3.221625	-0.62187	1.271828	-0.48895	0.624874	0.981636	chr2	55299285	55299978	+	0	NA	intron (N	intron (N	17312	NR_027258	344405	Hs.44529	NM_00108	ENSG0000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chrX-1058	3.221625	-0.62187	1.271828	-0.48895	0.624874	0.981636	chrX	10585896	10586523	+	0	NA	intron (N	Harlequir	3751	NM_001347	4281	Hs.27695	NM_000381	ENSG0000	MID1	BBBG1|FXY	midline 1	protein-coding
chr11-467	8.068889	-0.40802	0.834799	-0.48876	0.62501	0.981636	chr11	46765360	46765926	+	0	NA	intron (N	AluSx1|SI	-3144	NR_00305	692108	Hs.69325	NR_00305	ENSG0000	SNORD67	HBII-166	small nuc	snoRNA
chr20-333	7.707277	-0.41283	0.84472	-0.48872	0.625043	0.981636	chr20	33366601	33366978	+	0	NA	intron (N	FLAM_A|SI	34730	NM_01640	51654	Hs.43595	NM_01608	ENSG0000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr7-1573	7.707277	-0.41283	0.84472	-0.48872	0.625043	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	36863	NM_05824	10049	Hs.49074	NM_005494	ENSG0000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr17-815	20.99764	-0.25992	0.532257	-0.48834	0.62531	0.981636	chr17	81509275	81512569	+	0	NA	intron (N	intron (N	1877	NR_037688	71	Hs.514581	NM_001614	ENSG0000	ACTG1	ACT|ACTG|	actin gan	protein-coding
chr16-701	13.15171	0.319128	0.653563	0.48829	0.625345	0.981636	chr16	70131392	70147797	+	0	NA	intron (N	intron (N	25968	NM_001322	55066	Hs.74404	NM_01799	ENSG0000	PDPR	PDP3	pyruvate	protein-coding
chr16-701	13.15171	0.319128	0.653563	0.48829	0.625345	0.981636	chr16	70148126	70155580	+	0	NA	intron (N	intron (N	21595	NR_126007	400541	Hs.46118	NR_126007	ENSG0000	LOC400541	-	uncharact	ncRNA
chr17-165	13.15171	0.319128	0.653563	0.48829	0.625345	0.981636	chr17	16552564	16566284	+	0	NA	intron (N	L1MC4|LIN	9780	NM_02065	57336	Hs.99724	NM_02065	ENSG0000	ZNF287	ZKSCAN13|	zinc fing	protein-coding
chr19-528	13.15171	0.319128	0.653563	0.48829	0.625345	0.981636	chr19	52878459	52892358	+	0	NA	intron (N	AluSp|SIN	12227	NM_001351	162967	Hs.36963	NM_20733	ENSG0000	ZNF320	ZFPL	zinc fing	protein-coding

chr2-1084	13.15171	0.319128	0.653563	0.48829	0.625345	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	34560	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr9-7029	7.591717	-0.42387	0.868451	-0.48807	0.625497	0.981636	chr9	70298405	70298704	+	0	NA	intron (N	intron (N	39576	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr7-1396	8.094313	-0.40167	0.823474	-0.48778	0.625708	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	Tigger1|D	92059	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr1-5146	7.699419	-0.41117	0.842946	-0.48778	0.625709	0.981636	chr1	51461935	51462266	+	0	NA	intron (N	AluSp|SIN	-40005	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr2-1273	7.699419	-0.41117	0.842946	-0.48778	0.625709	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSq2|SI	-22097	NM_000122	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr16-883	7.715135	-0.41445	0.849798	-0.4877	0.625761	0.981636	chr16	88394586	88394879	+	0	NA	Intergeni	Intergeni	-32739	NM_001367	84627	Hs.54925	NM_001127	ENSG00000	ZNF469	BCS|BCS1	zinc fing	protein-coding
chr19-496	7.715135	-0.41445	0.849798	-0.4877	0.625761	0.981636	chr19	49649284	49650137	+	0	NA	intron (N	AluSp|SIN	7501	NM_021228	58506	Hs.103521	NM_021228	ENSG00000	SCAF1	SRA1	SR-relate	protein-coding
chr1-1976	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr1	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	86671	NM_001195	163486	Hs.125056	NM_019049	ENSG00000	DENND1B	C1ORF18|C	DENN doma	protein-coding
chr10-118	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr10	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	16722	NM_022063	63877	Hs.105575	NM_022063	ENSG00000	FAM204A	C10orf84|	family wi	protein-coding
chr11-781	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr11	78196460	78196850	+	0	NA	exon (NM_	exon (NM_	7736	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitir	protein-coding
chr11-860	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr11	86004691	86013652	+	0	NA	intron (N	AluSx1|SI	59913	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr13-253	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr13	25312341	25316690	+	0	NA	intron (N	AluSq2|SI	12890	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUP	nucleopor	protein-coding
chr16-139	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr16	13926513	13927191	+	0	NA	intron (N	intron (N	6695	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr2-1274	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	43894	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr3-5815	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr3	58153798	58156696	+	0	NA	intron (N	intron (N	15388	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr6-1139	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	non-codir	non-codir	-27944	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG00000	HDAC2-AS2	-	HDAC2 anc	ncRNA
chr8-4778	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr8	47781969	47783098	+	0	NA	exon (NM_	exon (NM_	-44369	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr9-2720	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr9	27204934	27206757	+	0	NA	intron (N	intron (N	76948	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-1244	8.127594	-0.39714	0.814361	-0.48767	0.625781	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	AluY|SINE	5353	NM_002799	5695	Hs.213470	NM_002799	ENSG00000	PSMB7	Z	proteasom	protein-coding
chr4-8242	10.8543	-0.34768	0.713302	-0.48742	0.625958	0.981636	chr4	82423380	82428713	+	0	NA	non-codir	non-codir	4179	NM_001207	9987	Hs.527105	NM_005463	ENSG00000	HNRNPDL	HNRNP|HNR	heteroger	protein-coding
chr1-1569	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr1	1569331	1570668	+	0	NA	intron (N	intron (N	4864	NM_014188	29101	Hs.30026	NM_014188	ENSG00000	SSU72	HSPC182|F	SSU72 hom	protein-coding
chr10-246	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr10	24630440	24632183	+	0	NA	intron (N	AluSq2|SI	-8468	NR_160025	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr10-681	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr10	68194422	68196034	+	0	NA	intron (N	intron (N	36885	NM_145178	220202	Hs.175396	NM_145178	ENSG00000	ATOH7	Math5|NCR	atonal bH	protein-coding
chr11-859	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr11	85984813	85985901	+	0	NA	intron (N	intron (N	83727	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr12-955	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr12	95519949	95522319	+	0	NA	exon (NM_	exon (NM_	27104	NM_001278	84101	Hs.646421	NM_032147	ENSG00000	USP44	-	ubiquitir	protein-coding
chr14-609	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr14	60977564	60978224	+	0	NA	intron (N	intron (N	3185	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr14-885	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr14	88595923	88596363	+	0	NA	intron (N	intron (N	1723	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr15-526	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr15	52603382	52603752	+	0	NA	intron (N	L1MA3|LIN	-34121	NM_001306	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr15-663	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr15	66351785	66352264	+	0	NA	intron (N	intron (N	4661	NM_017858	54962	Hs.744308	NM_017858	ENSG00000	TIPIN	-	TIMELESS	protein-coding
chr17-435	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr17	43515317	43516810	+	0	NA	intron (N	L1ME4a|LI	14372	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr18-130	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr18	13092630	13093924	+	0	NA	intron (N	L1MC4|LIN	101915	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr19-966	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr19	9667158	9668615	+	0	NA	intron (N	AluJo|SIN	7214	NM_017656	54811	Hs.371107	NM_017656	ENSG00000	ZNF562	-	zinc fing	protein-coding
chr2-1057	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	10574007	10575820	+	0	NA	intron (N	intron (N	115062	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-3046	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	30466840	30468169	+	0	NA	intron (N	L1PA5|LIN	20258	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr2-3264	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	32649363	32651414	+	0	NA	intron (N	intron (N	15133	NR_039922	1.01E+08		NR_039922	ENSG00000	MIR4765	-	microRNA	ncRNA
chr2-1277	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	5452	NM_032740	84826	Hs.345849	NM_032740	ENSG00000	SFT2D3	-	SFT2 doma	protein-coding
chr2-1350	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	MER2|DNA|	30865	NM_012233	22930	Hs.306327	NM_012233	ENSG00000	RAB3GAP1	P130|RAB3	RAB3 GTPa	protein-coding
chr2-1726	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	3’ UTR (N	3’ UTR (N	45551	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr2-1891	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	L2|LINE|L	7668	NM_000393	1290	Hs.445827	NM_000393	ENSG00000	COL5A2	EDSC|EDSC	collagen	protein-coding
chr20-315	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr20	31516151	31517264	+	0	NA	intron (N	L2c|LINE|	2265	NM_178582	81502	Hs.373741	NM_030789	ENSG00000	HM13	H13|IMP1|	histocomp	protein-coding
chr3-1231	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L2a|LINE|	-45780	NR_106960	1.02E+08		NR_106960	ENSG00000	MIR7110	hsa-mir-7	microRNA	ncRNA
chr3-1291	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	6664	NM_001127	7555	Hs.518249	NM_003418	ENSG00000	CNBP	CNBP1|DM2	CCHC-type	protein-coding
chr3-1884	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	159814	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr3-1953	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	L1M1|LINE	78776	NM_012287	23527	Hs.593373	NM_012287	ENSG00000	ACAP2	CENTB2|CN	ArfGAP wi	protein-coding
chr4-7317	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr4	73174560	73177696	+	0	NA	intron (N	L1MA2|LIN	46929	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr4-8466	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr4	84667103	84667893	+	0	NA	Intergeni	Intergeni	84371	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1682	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	35979	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bc	protein-coding
chr5-7473	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr5	74734108	74736101	+	0	NA	intron (N	intron (N	32013	NR_104006	84340	Hs.277154	NM_032380	ENSG00000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-1379	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	MER11C|LT	-56173	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr5-1405	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJr|SIN	-36693	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr5-1591	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	L2b|LINE|	10471	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr6-1753	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr6	17539405	17540520	+	0	NA	intron (N	AluJo|SIN	-28697	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr6-3487	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr6	34872013	34873236	+	0	NA	3’ UTR (N	3’ UTR (N	15418	NM_005643	6882	Hs.112444	NM_005643	ENSG00000	TAF11	MGC:15243	TATA-box	protein-coding
chr6-4751	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr6	47512738	47513370	+	0	NA	intron (N	intron (N	35265	NM_012120	23607	Hs.485518	NM_012120	ENSG00000	CD2AP	CMS	CD2 assoc	protein-coding
chr6-1161	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	10505	NM_152729	221294	Hs.520341	NM_152729	ENSG00000	NT5DC1	C6orf200|	5’-nucleo	protein-coding
chr6-1497	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	8315	NR_104456	348995	Hs.510375	NM_024647	ENSG00000	NUP43	bA350J20.	nucleopor	protein-coding
chr7-5402	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr7	5402991	5403321	+	0	NA	intron (N	AluSp|SIN	20390	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinucleo	protein-coding
chr7-7480	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr7	74805822	74806558	+	0	NA	intron (N	L1ME4b|LI	32228	NM_000265	653361	Hs.647047	NM_000265	ENSG00000	NCF1	NCF1A|NOX	neutrophi	protein-coding
chr7-1168	5.4106	-0.48299	0.991192	-0.48728	0.626057	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	32496	NM_006136	830	Hs.446123	NM_006136	ENSG00000	CAPZA2	CAPPA2|CA	capping a	protein-coding
chr3-1839	7.433652	0.422207	0.866782	0.487097	0.62619	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MIR|SINE|	50795	NR_039650	1.01E+08		NR_039650	ENSG00000	MIR4448	-	microRNA	ncRNA
chr6-4321	7.433652	0.422207	0.866782	0.487097	0.62619	0.981636	chr6	43214929	43215247	+	0	NA	exon (NM_	exon (NM_	14393	NM_199184	10591	Hs.109752	NM_006443	ENSG00000	DNPH1	C6orf108|	2’-deoxyr	protein-coding
chr6-1437	7.433652	0.422207	0.866782	0.487097	0.62619	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	AluJr|SIN	-48060	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr18-920	9.931383	-0.37113	0.762121	-0.48697	0.626282	0.981636	chr18	9203794	9203993	+	0	NA	intron (N	AluSx|SIN	66330	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr10-103	13.57314	-0.31697	0.651407	-0.4866	0.626542	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSc|SIN	59048	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr5-5453	4.941285	-0.5181	1.065213	-0.48638	0.626699	0.981636	chr5	54539316	54539593	+	0	NA	intron (N	intron (N	21695	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting n	protein-coding
chr3-1258	4.982425	-0.51314	1.055147	-0.48632	0.626738	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	Intergeni	Intergeni	-3506	NR_125395	1.02E+08	Hs.744344	NR_125395	ENSG00000	LINC02614	-	long inte	ncRNA
chr19-565	6.635522	-0.47521	0.977554	-0.48612	0.626879	0.981636	chr19	56512091	56512290	+	0	NA	intron (N	intron (N	4335	NM_001321	57573	Hs.230188	NM_020813	ENSG00000	ZNF471	ERP1|Z197	zinc fing	protein-coding
chr1-4343	8.982121	0.38202	0.786092	0.485974	0.626986	0.981636	chr1	43439898	43440426	+	0	NA	intron (N	intron (N	-8377	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr20-199	10.43398	-0.35675	0.734202	-0.4859	0.627038	0.981636	chr20	19957450	19959081	+	0	NA	intron (N	intron (N	-59025	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr1-1107	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr1	11072523	11077098	+	0	NA	intron (N	intron (N	-14792	NM_003132	6723	Hs.76244	NM_003132	ENSG00000	SRM	PAPT|SPDS	spermidir	protein-coding
chr1-1701	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr1	17018325	17022129	+	0	NA	intron (N	intron (N	-8299	NM_001141	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-7771	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr1	77715081	77719783	+	0	NA	intron (N	AluY|SINE	-34005	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1204	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA6|LIN	-52394	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1738	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10910	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr11-465	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr11	46541527	46544133	+	0	NA	exon (NM_	exon (NM_	44614	NR_160027	55626	Hs.654644	NM_017749	ENSG00000	AMBRA1	DCAF3|WDR	autophagy	protein-coding
chr11-585	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr11	58549090	58551184	+	0	NA	exon (NM_	exon (NM_	25780	NM_004811	9404	Hs.125474	NM_004811	ENSG00000	LPXN	LDPL	leupaxin	protein-coding
chr12-683	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr12	6833217	6835397	+	0	NA	intron (N	intron (N	5900	NM_014262	10536	Hs.631655	NM_014262	ENSG00000	P3H3	GRCB|HSU4	prolyl 3-	protein-coding
chr12-534	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr12	53442960	53447068	+	0	NA	intron (N	intron (N	3280	NM_018457	54458	Hs.744894	NM_018457	ENSG00000	PRR13	TXR1	proline r	protein-coding
chr13-110	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	non-codir	non-codir	495	NR_046583	1.01E+08	Hs.508716	NR_046583	ENSG00000	COL4A2-AS	-	COL4A2 ar	ncRNA
chr17-229	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr17	2290501	2292881	+	0	NA	intron (N	AluJo|SIN	12094	NM_017575	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-825	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr17	82586759	82588337	+	0	NA	intron (N	intron (N	60896	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr2-2620	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr2	26206993	26216465	+	0	NA	intron (N	intron (N	31013	NM_001191	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 asso	protein-coding
chr22-208	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr22	20870375	20871622	+	0	NA	intron (N	AluJb|SIN	11991	NM_004782	9342	Hs.108002	NM_004782	ENSG00000	SNAP29	CEDNIK|SN	synaptoso	protein-coding
chr4-8734	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr4	87344903	87346543	+	0	NA	intron (N	L1M4|LINE	-22841	NM_178135	345275	Hs.284414	NM_178135	ENSG00000	HSD17B13	HMFN0376|	hydroxyst	protein-coding
chr6-4205	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr6	42054353	42060915	+	0	NA	intron (N	intron (N	7110	NM_138572	129685	Hs.520122	NM_138572	ENSG00000	TAF8	II|TAF|TA	TATA-box	protein-coding
chr8-6725	8.426828	0.388381	0.799321	0.485889	0.627046	0.981636	chr8	67259056	67260045	+	0	NA	intron (N	intron (N	84231	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr11-282	7.8891	0.402965	0.829393	0.485856	0.62707	0.981636	chr11	28271776	28272262	+	0	NA	intron (N	L1PA7|LIN	163631	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr6-4305	7.8891	0.402965	0.829393	0.485856	0.62707	0.981636	chr6	43057157	43058063	+	0	NA	intron (N	AluSz|SIN	1824	NM_001300	51069	Hs.55041	NM_015950	ENSG00000	MRPL2	CGI-22|MR	mitochond	protein-coding
chr12-123	8.41897	0.390211	0.803176	0.485835	0.627084	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	MER33|DNA	40733	NR_107039	1.02E+08		NR_107039	ENSG00000	MIR8072	hsa-mir-8	microRNA	ncRNA
chr13-302	8.41897	0.390211	0.803176	0.485835	0.627084	0.981636	chr13	30228837	30230917	+	0	NA	intron (N	Charlie1b	-76803	NR_138041	1.02E+08	Hs.639879	NR_138041		LINC00384	-	long inte	ncRNA
chr6-1495	8.41897	0.390211	0.803176	0.485835	0.627084	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx1|SI	14679	NM_139126	85313	Hs.744238	NM_139126	ENSG00000	PPIL4	HDCME13P	peptidylp	protein-coding
chr15-426	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr15	42685649	42686669	+	0	NA	exon (NM_	exon (NM_	50969	NM_138477	146059	Hs.599232	NM_138477	ENSG00000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr15-588	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr15	58852399	58855102	+	0	NA	intron (N	AluSx3|SI	79929	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr15-766	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr15	76636204	76636719	+	0	NA	intron (N	L1MB4|LIN	49814	NR_037464	1.01E+08		NR_037464	ENSG00000	MIR3713	-	microRNA	ncRNA
chr16-581	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr16	58178465	58179443	+	0	NA	intron (N	L1MC4|LIN	19152	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr3-4540	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr3	45403633	45404267	+	0	NA	intron (N	MIRb|SINE	15374	NM_001368	23395	Hs.526975	NM_015340	ENSG00000	LARS2	HLASA|LEU	leucyl-tR	protein-coding
chr6-1509	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	Kanga1d|D	56476	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr9-1244	5.45174	-0.4786	0.985774	-0.48551	0.627317	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSg|SIN	13546	NM_002799	5695	Hs.213470	NM_002799	ENSG00000	PSMB7	Z	proteasom	protein-coding
chr16-330	10.90329	-0.3468	0.714568	-0.48533	0.62744	0.981636	chr16	3307296	3310711	+	0	NA	intron (N	intron (N	2791	NM_001324	7627	Hs.513292	NM_153028	ENSG00000	ZNF75A	-	zinc fing	protein-coding
chr17-636	7.40037	0.418775	0.863088	0.485206	0.62753	0.981636	chr17	63690112	63691176	+	0	NA	intron (N	intron (N	9481	NM_030576	80774	Hs.591166	NM_030576	ENSG00000	LIMD2	-	LIM domai	protein-coding
chr8-4298	7.40037	0.418775	0.863088	0.485206	0.62753	0.981636	chr8	42980112	42980356	+	0	NA	intron (N	AluSq2|SI	-76065	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr10-974	5.459597	-0.48088	0.991169	-0.48516	0.627561	0.981636	chr10	97482692	97483806	+	0	NA	intron (N	AluJb|SIN	15173	NM_022362	64210	Hs.500721	NM_022362	ENSG00000	MMS19	CIAO4|MET	MMS19 hom	protein-coding
chr13-459	5.459597	-0.48088	0.991169	-0.48516	0.627561	0.981636	chr13	45958675	45959535	+	0	NA	intron (N	intron (N	93641	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr17-730	8.974264	0.383873	0.791483	0.485004	0.627673	0.981636	chr17	73083293	73084216	+	0	NA	intron (N	L1MC5a|LI	8934	NM_001352	201266	Hs.221127	NM_139177	ENSG00000	SLC39A11	C17orf26|	solute ca	protein-coding
chr1-1541	13.65616	0.311392	0.642117	0.484945	0.627715	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	8916	NM_001278	7170	Hs.535581	NM_152263	ENSG00000	TPM3	CAPM1|CFT	tropomyos	protein-coding
chr1-2038	13.65616	0.311392	0.642117	0.484945	0.627715	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	exon (NM_	exon (NM_	-11860	NM_003094	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr1-5868	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr1	58684069	58685253	+	0	NA	intron (N	intron (N	15401	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr10-918	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr10	91826220	91829390	+	0	NA	intron (N	intron (N	29379	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr12-101	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJo|SIN	26211	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr2-3553	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr2	3553534	3554342	+	0	NA	intron (N	intron (N	4395	NM_001286	246243	Hs.568006	NM_002936	ENSG00000	RNASEH1	H1RNA|PEO	ribonucle	protein-coding
chr3-1586	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	HAL1ME|LI	3685	NM_001308	85476	Hs.518355	NM_024996	ENSG00000	GFM1	COXPD1|EF	G elongat	protein-coding
chr5-1380	7.691561	-0.40945	0.844417	-0.48489	0.627755	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-12741	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr10-136	8.989979	0.380259	0.784446	0.484749	0.627854	0.981636	chr10	13642144	13642905	+	0	NA	Intergeni	Intergeni	55559	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr1-1509	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	18863	NM_022075	29956	Hs.744017	NM_013384	ENSG00000	CERS2	L3|LASS2|	ceramide	protein-coding
chr11-662	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr11	66216056	66218769	+	0	NA	intron (N	intron (N	-39882	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr11-739	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr11	73926501	73928697	+	0	NA	3’ UTR (N	3’ UTR (N	-22720	NM_153614	374407	Hs.567888	NM_153614	ENSG00000	DNAJB13	CILD34|RS	DnaJ heat	protein-coding
chr12-680	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr12	6800130	6804323	+	0	NA	intron (N	L1ME4a|LI	12698	NM_001195	920	Hs.631659	NM_000616	ENSG00000	CD4	CD4mut	CD4 molec	protein-coding
chr3-3734	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr3	37346959	37347321	+	0	NA	intron (N	intron (N	-39129	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr6-7563	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr6	75634294	75634800	+	0	NA	intron (N	intron (N	32667	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSP	SUMO spec	protein-coding
chr8-2254	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr8	22540516	22540875	+	0	NA	exon (NM_	exon (NM_	-11232	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin ar	protein-coding
chr9-2650	7.896958	0.401036	0.827318	0.484742	0.627859	0.981636	chr9	2650035	2650661	+	0	NA	intron (N	intron (N	-27975	NR_015375	401491	Hs.416043	NR_015375	ENSG00000	VLDLR-AS1	linc-VLDL	VLDLR ant	ncRNA
chr19-293	12.62184	0.324064	0.668563	0.484716	0.627878	0.981636	chr19	2932992	2939344	+	0	NA	intron (N	AluSp|SIN	8803	NM_021217	58492	Hs.38004	NM_021217	ENSG00000	ZNF77	pT1	zinc fing	protein-coding
chr12-495	8.467968	0.389674	0.804195	0.484552	0.627994	0.981636	chr12	49561373	49564010	+	0	NA	intron (N	HAL1ME|LI	3748	NM_001012	10445	Hs.25313	NM_006337	ENSG00000	MCRS1	ICP22BP|I	microsphe	protein-coding

chr15-740	8.467968	0.389674	0.804195	0.484552	0.627994	0.981636	chr15	74022959	74024316	+	0	NA	intron (N	MER91A|DN	28921	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr19-193	8.467968	0.389674	0.804195	0.484552	0.627994	0.981636	chr19	19307478	19311037	+	0	NA	intron (N	AluJo|SIN	11252	NM_172231	57794	Hs.515274	NM_021164	ENSG00000	SUGP1	F23858|RE	SURP and	protein-coding
chr6-1578	8.467968	0.389674	0.804195	0.484552	0.627994	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	MER21C|LT	74250	NM_016224	51429	Hs.191213	NM_016224	ENSG00000	SNX9	SDP1|SH3F	sorting r	protein-coding
chr9-1364	8.467968	0.389674	0.804195	0.484552	0.627994	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	FLAM_C|SI	10218	NM_015160	23203	Hs.495471	NM_015160	ENSG00000	PMPCA	Alpha-MPF	peptidase	protein-coding
chr13-111	5.377318	-0.48995	1.011515	-0.48437	0.628123	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-6447	NM_001354	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr14-100	5.377318	-0.48995	1.011515	-0.48437	0.628123	0.981636	chr14	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	13119	NM_001352	123096	Hs.578109	NM_152333	ENSG00000	SLC25A29	C14orf69|	solute ca	protein-coding
chr13-771	7.881243	0.404884	0.836067	0.484272	0.628193	0.981636	chr13	77150094	77150525	+	0	NA	intron (N	AluJr|SIN	74795	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr1-1233	14.21931	0.309354	0.639011	0.484113	0.628306	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1878538	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-276	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr11	27697578	27698795	+	0	NA	TTS (NR_C	TTS (NR_C	1481	NM_170734	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr14-710	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr14	71057734	71058718	+	0	NA	intron (N	L1MB5|LIN	150767	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr18-260	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr18	26083248	26087401	+	0	NA	intron (N	AluJr|SIN	5289	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr2-3247	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr2	32477208	32478743	+	0	NA	intron (N	intron (N	-54178	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr3-6903	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr3	69032858	69035961	+	0	NA	intron (N	AluSx|SIN	14626	NR_036087	1E+08		NR_036087	ENSG00000	MIR3136	mir-3136	microRNA	ncRNA
chr6-1763	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr6	17636629	17637370	+	0	NA	intron (N	intron (N	36697	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr9-1229	8.119736	-0.39556	0.817184	-0.48406	0.628347	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJb|SIN	45969	NM_012197	23637	Hs.271341	NM_012197	ENSG00000	RABGAP1	GAPCENA|T	RAB GTPas	protein-coding
chr1-1545	13.15957	0.317938	0.656828	0.48405	0.62835	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	17223	NM_000748	1141	Hs.2306	NM_000748	ENSG00000	CHRNB2	EFNL3|nAC	cholinerg	protein-coding
chr1-1008	7.650422	-0.41242	0.852067	-0.48403	0.628366	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	3004	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr1-2292	7.650422	-0.41242	0.852067	-0.48403	0.628366	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	intron (N	-14994	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr12-121	7.650422	-0.41242	0.852067	-0.48403	0.628366	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	17296	NM_001178	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr1-2064	8.428678	0.399159	0.824752	0.483975	0.628404	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-65104	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr15-229	4.171257	0.546462	1.129113	0.483975	0.628404	0.981636	chr15	22945676	22946422	+	0	NA	intron (N	AluJb|SIN	-28736	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr19-133	4.171257	0.546462	1.129113	0.483975	0.628404	0.981636	chr19	13307785	13308439	+	0	NA	intron (N	intron (N	157701	NM_004907	9592	Hs.501629	NM_004907	ENSG00000	IER2	ETR101	immediate	protein-coding
chr10-350	7.237963	-0.4314	0.8916	-0.48385	0.628489	0.981636	chr10	35051259	35051670	+	0	NA	intron (N	AluYe5|SI	22819	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr16-485	7.237963	-0.4314	0.8916	-0.48385	0.628489	0.981636	chr16	48551909	48552575	+	0	NA	intron (N	intron (N	57938	NM_153029	9683	Hs.511839	NM_153029	ENSG00000	N4BP1	-	NEDD4 bir	protein-coding
chr6-1113	7.237963	-0.4314	0.8916	-0.48385	0.628489	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	-109387	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr4-8297	3.213767	-0.61802	1.277995	-0.48359	0.628679	0.981636	chr4	82971361	82972166	+	0	NA	intron (N	L3|LINE|C	39060	NR_110253	132660	Hs.96952	NM_194282	ENSG00000	LIN54	CXCDC1|JC	lin-54 DR	protein-coding
chr1-6530	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	6530834	6533415	+	0	NA	intron (N	intron (N	-12063	NM_198681	57449	Hs.284232	NM_020631	ENSG00000	PLEKHG5	CMTRIC|DS	pleckstri	protein-coding
chr1-4316	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	43165790	43169621	+	0	NA	intron (N	intron (N	4007	NR_106791	1.02E+08		NR_106791	ENSG00000	MIR6733	hsa-mir-6	microRNA	ncRNA
chr1-6814	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	68147807	68149414	+	0	NA	exon (NM_	exon (NM_	35000	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-1114	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	non-codir	non-codir	8328	NM_024102	79084	Hs.204773	NM_024102	ENSG00000	WDR77	HKMT1069|	WD repeat	protein-coding
chr1-2027	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	10428	NM_001347	10765	Hs.18891	NM_006618	ENSG00000	KDM5B	CT31|JARI	lysine de	protein-coding
chr1-2302	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	150115	NM_001258	79605	Hs.520463	NM_024554	ENSG00000	PGBD5	-	piggyBac	protein-coding
chr11-472	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr11	47280731	47286876	+	0	NA	intron (N	AluSz|SIN	-11693	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-687	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr11	68755938	68763547	+	0	NA	intron (N	intron (N	-8222	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr11-710	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr11	71091025	71092266	+	0	NA	intron (N	intron (N	133151	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CC	SH3 and m	protein-coding
chr12-532	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr12	53210411	53215313	+	0	NA	intron (N	MER3|DNA|	-5611	NM_000889	3695	Hs.654470	NM_000889	ENSG00000	ITGB7	-	integrin	protein-coding
chr13-244	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr13	24489273	24498289	+	0	NA	intron (N	intron (N	18997	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-955	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr13	95582506	95588153	+	0	NA	intron (N	intron (N	32609	NM_006984	9071	Hs.534377	NM_006984	ENSG00000	CLDN10	CPETRL3|H	claudin 1	protein-coding
chr14-345	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr14	34527133	34534005	+	0	NA	intron (N	intron (N	9132	NM_018453	55837	Hs.433269	NM_018453	ENSG00000	EAPP	BM036|C14	E2F assoc	protein-coding
chr14-497	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr14	49775428	49777978	+	0	NA	intron (N	AluSz6|SI	8550	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr15-562	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr15	56231085	56234068	+	0	NA	intron (N	THE1B-int	11303	NM_001368	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr15-909	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr15	90938370	90952565	+	0	NA	intron (N	AluSp|SIN	-9409	NM_001017	91433	Hs.655895	NM_033544	ENSG00000	RCCD1	-	RCC1 doma	protein-coding
chr16-487	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	4879941	4882338	+	0	NA	3’ UTR (N	3’ UTR (N	32759	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr16-156	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	15600884	15604269	+	0	NA	intron (N	GA-rich|L	8519	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-274	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	27496915	27507397	+	0	NA	intron (N	MIR3|SINE	47757	NM_001520	2975	Hs.371718	NM_001520	ENSG00000	GTF3C1	TFIIIC|TF	general t	protein-coding
chr16-564	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	56496172	56499143	+	0	NA	intron (N	intron (N	22367	NM_031885	583	Hs.333738	NM_031885	ENSG00000	BBS2	BBS|RP74	Bardet-Bi	protein-coding
chr16-717	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	71757739	71760137	+	0	NA	promoter-	promoter-	-451	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr16-756	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr16	75657391	75658653	+	0	NA	TTS (NM_C	TTS (NM_C	10249	NM_018975	54386	Hs.301419	NM_018975	ENSG00000	TERF2IP	DRIP5|RAF	TERF2 int	protein-coding
chr17-304	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr17	30453552	30454943	+	0	NA	intron (N	THE1A-int	-23161	NM_004871	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-684	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr17	68423269	68431043	+	0	NA	non-codir	non-codir	-2608	NR_030365	693220		NR_030365	ENSG00000	MIR635	MIRN635|h	microRNA	ncRNA
chr17-772	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr17	77209325	77214694	+	0	NA	exon (NM_	exon (NM_	26796	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr17-783	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr17	78397892	78404867	+	0	NA	intron (N	intron (N	22730	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr17-816	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr17	81695181	81699490	+	0	NA	intron (N	intron (N	3578	NR_106844	1.02E+08		NR_106844	ENSG00000	MIR6786	hsa-mir-6	microRNA	ncRNA
chr19-273	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr19	2736311	2737232	+	0	NA	3’ UTR (N	3’ UTR (N	3246	NM_144564	29985	Hs.515046	NM_144564	ENSG00000	SLC39A3	ZIP-3|ZIF	solute ca	protein-coding
chr19-137	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr19	13751364	13763905	+	0	NA	intron (N	MIR|SINE|	-6888	NM_001031	84245	Hs.439370	NM_032285	ENSG00000	MRI1	M1Pi|MRDI	methylthi	protein-coding
chr19-368	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr19	36801391	36805317	+	0	NA	intron (N	intron (N	5791	NR_040028	284408	Hs.570010	NR_040027	ENSG00000	ZNF790-AS	-	ZNF790 ar	ncRNA
chr2-2722	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	27228261	27235716	+	0	NA	exon (NM_	exon (NM_	14598	NM_001306	790	Hs.377010	NM_004341	ENSG00000	CAD	CDG1Z|EIE	carbamoyl	protein-coding
chr2-8555	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	85552763	85556323	+	0	NA	intron (N	AluJo|SIN	6950	NM_001142	2677	Hs.77719	NM_000821	ENSG00000	GGCX	VKCFD1	gamma-glu	protein-coding
chr2-9764	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	97647403	97649597	+	0	NA	TTS (NM_C	TTS (NM_C	2438	NM_001862	1329	Hs.1342	NM_001862	ENSG00000	COX5B	COXVB	cytochrom	protein-coding
chr2-1278	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-9002	NM_004805	5433	Hs.715348	NM_004805	ENSG00000	POLR2D	HSRBP4|HS	RNA polym	protein-coding
chr2-1280	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz|SIN	10033	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr2-2082	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	10040	NM_001178	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr20-185	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr20	18530343	18533552	+	0	NA	intron (N	AluJo|SIN	24007	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr20-351	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr20	35122475	35123953	+	0	NA	intron (N	intron (N	24122	NM_001145	55741	Hs.720177	NM_018217	ENSG00000	EDEM2	C20orf31|	ER degrac	protein-coding
chr20-381	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr20	38153312	38157054	+	0	NA	intron (N	intron (N	10087	NM_001323	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr20-385	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr20	38544354	38555061	+	0	NA	intron (N	L1ME4a|LI	-31490	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr20-489	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr20	48952069	48954671	+	0	NA	intron (N	AluJb|SIN	31659	NM_006420	10564	Hs.62578	NM_006420	ENSG00000	ARFGEF2	BIG2|PVNH	ADP ribos	protein-coding
chr21-391	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr21	39196390	39197912	+	0	NA	exon (NM_	exon (NM_	-13637	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr21-393	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr21	39390798	39396662	+	0	NA	intron (N	AluSz|SIN	5967	NR_146616	7485	Hs.198308	NM_004627	ENSG00000	GET1	CHD5|WRB	guided er	protein-coding
chr3-4459	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr3	44590445	44596329	+	0	NA	intron (N	intron (N	8423	NM_001351	1.1E+08	Hs.157035	NM_001351732		ZNF660-ZN	-	ZNF660-ZN	protein-coding
chr3-1841	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-8076	NM_001311	1173	Hs.518460	NM_004068	ENSG00000	AP2M1	AP50|CLAF	adaptor r	protein-coding
chr4-3129	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr4	3129708	3134885	+	0	NA	intron (N	intron (N	57615	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr4-1222	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	Tigger6a|	98049	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-8735	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr5	87353681	87356058	+	0	NA	intron (N	Tigger1|D	-31241	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr6-2484	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr6	24844430	24856090	+	0	NA	intron (N	AluJb|SIN	27010	NM_015864	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr6-1061	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr6	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	8381	NM_182907	639	Hs.436023	NM_001198	ENSG00000	PRDM1	BLIMP1|PR	PR/SET dc	protein-coding
chr6-1114	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L2a|LINE|	-68348	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr7-4754	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr7	4754378	4758293	+	0	NA	intron (N	AluSx1|SI	-19288	NM_001364	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr7-9212	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr7	92121025	92128951	+	0	NA	intron (N	AluY|SINE	9489	NM_000786	1595	Hs.417077	NM_000786	ENSG00000	CYP51A1	CP51|CYP5	cytochrom	protein-coding
chr7-1491	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSx1|SI	20910	NM_170686	57541	Hs.632032	NM_020781	ENSG00000	ZNF398	P51|P71|Z	zinc fing	protein-coding
chr8-1180	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr8	11809719	11811265	+	0	NA	intron (N	MIR|SINE|	1348	NM_001287	2222	Hs.593928	NM_004462	ENSG00000	FDFT1	DGPT|ERG9	farnesyl-	protein-coding
chr9-9508	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr9	95080704	95084395	+	0	NA	intron (N	intron (N	-2659	NR_029664	407011		NR_029664	ENSG00000	MIR23B	MIRN23B|h	microRNA	ncRNA
chr9-1377	8.434686	0.386566	0.799485	0.483519	0.628727	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L1ME1|LIN	33172	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr11-680	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr11	68049308	68050517	+	0	NA	intron (N	intron (N	5118	NR_106811	1.02E+08		NR_106811	ENSG00000	MIR6753	hsa-mir-6	microRNA	ncRNA
chr12-112	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	Intergeni	L1P3|LINE	4629	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-984	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr13	98440599	98441008	+	0	NA	exon (NM_	exon (NM_	81322	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr17-171	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr17	17136303	17136822	+	0	NA	intron (N	intron (N	69771	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-637	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr17	63708032	63711036	+	0	NA	intron (N	L1ME5|LIN	9196	NR_046273	729683	Hs.534931	NR_046273		LOC729683	-	uncharact	ncRNA
chr19-755	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr19	7554102	7559430	+	0	NA	intron (N	CpG	21049	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr19-388	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr19	38821865	38823868	+	0	NA	intron (N	LTR12C|LT	8928	NM_001398	1891	Hs.196176	NM_001398	ENSG00000	ECH1	HPXEL	enoyl-CoA	protein-coding
chr19-453	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr19	45359237	45359681	+	0	NA	intron (N	intron (N	11128	NM_001130	2068	Hs.487294	NM_000400	ENSG00000	ERCC2	COFS2|EM9	ERCC exci	protein-coding
chr2-9861	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr2	98615784	98616966	+	0	NA	intron (N	intron (N	7786	NM_001330	25972	Hs.13370	NM_014044	ENSG00000	UNC50	GMH1|HSD2	unc-50 ir	protein-coding
chr2-1272	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	13888	NM_001303	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr2-2178	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	21207	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr2-2318	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21560	NM_001282	64708	Hs.335061	NM_022730	ENSG00000	COPS7B	CSN7B|SGN	COP9 sigr	protein-coding
chr20-327	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr20	3277962	3281913	+	0	NA	intron (N	intron (N	-40747	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-333	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr20	33377926	33379674	+	0	NA	intron (N	MIRb|SINE	22719	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr8-1405	7.938098	0.402312	0.832212	0.483425	0.628794	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	44071	NR_040712	54108	Hs.279704	NM_017444	ENSG00000	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr1-1087	7.466934	0.42555	0.880428	0.483344	0.628851	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	50681	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr19-840	7.466934	0.42555	0.880428	0.483344	0.628851	0.981636	chr19	8400294	8400630	+	0	NA	intron (N	intron (N	-9771	NR_038237	1.01E+08	Hs.637720	NR_038237	ENSG00000	RAB11B-AS	MIR4999HG	RAB11B ar	ncRNA
chr19-436	6.962488	0.448301	0.927575	0.483304	0.62888	0.981636	chr19	43601580	43601921	+	0	NA	TTS (NM_C	TTS (NM_C	5155	NM_001145	79177	Hs.11110	NM_024327	ENSG00000	ZNF576	-	zinc fing	protein-coding
chr17-470	8.411112	0.392093	0.811297	0.483292	0.628889	0.981636	chr17	47056177	47056762	+	0	NA	Intergeni	LTR12C|LT	-77216	NM_203400	388394	Hs.367999	NM_203400	ENSG00000	RPRML	-	reprimo l	protein-coding
chr1-2240	8.168734	-0.39432	0.815937	-0.48328	0.6289	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	12619	NR_136593	1E+08	Hs.568390	NR_136590		LOC100287	-	septin 7	pseudo
chr19-346	8.168734	-0.39432	0.815937	-0.48328	0.6289	0.981636	chr19	3461329	3463528	+	0	NA	intron (N	intron (N	18097	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr7-6470	8.168734	-0.39432	0.815937	-0.48328	0.6289	0.981636	chr7	64704190	64704894	+	0	NA	intron (N	AluSc|SIN	25478	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr1-2147	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr1	21470891	21474397	+	0	NA	intron (N	intron (N	32507	NM_001256	84224	Hs.325422	NM_032264	ENSG00000	NBPF3	AE2	NBPF memb	protein-coding
chr1-2481	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr1	24814016	24817515	+	0	NA	intron (N	Tigger1|D	70318	NM_013943	25932	Hs.440544	NM_013943	ENSG00000	CLIC4	CLIC4L|H1	chloride	protein-coding
chr1-3221	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr1	32213752	32215017	+	0	NA	TTS (NR_1	TTS (NR_1	5290	NM_001099	149069	Hs.424588	NM_001099	ENSG00000	DCDC2B	-	doublecor	protein-coding
chr1-4098	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr1	40987912	40992885	+	0	NA	intron (N	HAL1|LINE	1879	NM_001301	1503	Hs.473087	NM_001905	ENSG00000	CTPS1	CTPS|GATD	CTP synth	protein-coding
chr1-1569	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4889	NM_144702	149499	Hs.491734	NM_144702	ENSG00000	LRRC71	C1orf92	leucine r	protein-coding
chr11-980	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr11	9806468	9809565	+	0	NA	exon (NM_	exon (NM_	-31126	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-658	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr11	65863853	65866626	+	0	NA	exon (NM_	exon (NM_	4806	NM_001350	80198	Hs.288798	NM_025128	ENSG00000	MUS81	SLX3	MUS81 str	protein-coding
chr12-199	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr12	1996868	1998393	+	0	NA	intron (N	intron (N	6827	NM_001319	196513	Hs.130934	NM_152640	ENSG00000	DCP1B	DCP1	decapping	protein-coding
chr12-111	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	69895	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr15-506	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr15	50601666	50604597	+	0	NA	intron (N	intron (N	-56465	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr17-784	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr17	7845612	7846950	+	0	NA	exon (NM_	exon (NM_	6364	NM_001080	23135	Hs.223678	NM_001080	ENSG00000	KDM6B	JMJD3	lysine de	protein-coding
chr19-343	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr19	34366867	34371306	+	0	NA	intron (N	AluSx|SIN	3890	NM_001329	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr19-413	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr19	41346773	41348776	+	0	NA	intron (N	AluSz|SIN	6148	NM_000660	7040	Hs.645227	NM_000660	ENSG00000	TGFB1	CED|DPD1|	transform	protein-coding
chr2-2744	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr2	27441787	27442788	+	0	NA	promoter-	promoter-	-79	NM_001168	200634	Hs.59509	NM_173853	ENSG00000	KRTCAP3	KCP3	keratinoc	protein-coding
chr2-3329	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr2	33295251	33297115	+	0	NA	intron (N	intron (N	-122333	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-3711	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr2	37119308	37121315	+	0	NA	intron (N	AluYc|SIN	27511	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr5-7555	8.160876	-0.39274	0.812791	-0.48319	0.628957	0.981636	chr5	75552373	75554711	+	0	NA	intron (N	intron (N	-41561	NM_001130	10087	Hs.270437	NM_005713	ENSG00000	CERT1	CERT|CERT	ceramide	protein-coding
chr1-2800	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr1	28003243	28005591	+	0	NA	non-codir	non-codir	44955	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding

chr1-2847	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr1	28476671	28479250	+	0	NA	intron (N	AluJb|SIN	-27983	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr12-118	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSq2|SI	24098	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr13-490	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr13	49005899	49006772	+	0	NA	intron (N	intron (N	29673	NR_103528	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUC	fibronect	protein-coding
chr13-770	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr13	77044330	77045584	+	0	NA	3’ UTR (N	3’ UTR (N	-17798	NM_012158	26224	Hs.508284	NM_012158	ENSG00000	FBXL3	FBL3|FBL3	F-box anc	protein-coding
chr13-771	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr13	77183889	77185269	+	0	NA	intron (N	L1M5|LINE	109065	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr14-210	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr14	21074427	21075173	+	0	NA	exon (NM_	exon (NM_	-3928	NM_001282	57447	Hs.525205	NM_016250	ENSG00000	NDRG2	SYLD	NDRG fami	protein-coding
chr14-103	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	11878	NM_001100	7517	Hs.592325	NM_005432	ENSG00000	XRCC3	CMM6	X-ray rep	protein-coding
chr15-619	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr15	61989245	61991646	+	0	NA	intron (N	intron (N	70002	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr15-771	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr15	77178598	77179529	+	0	NA	exon (NM_	exon (NM_	46341	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr17-178	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr17	17810626	17811666	+	0	NA	TTS (NM_C	TTS (NM_C	2399	NR_106835	1.02E+08		NR_106835	ENSG00000	MIR6777	hsa-mir-6	microRNA	ncRNA
chr19-116	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr19	11654476	11655278	+	0	NA	Intergeni	Intergeni	12212	NR_002944	664709	Hs.534822	NR_002944		HNRNPA1P1	HNRPA1L-2	heteroger	pseudo
chr19-163	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr19	16392702	16393496	+	0	NA	intron (N	(ATA)n|Si	68273	NM_016270	10365	Hs.685136	NM_016270	ENSG00000	KLF2	LKLF	Kruppel l	protein-coding
chr2-5394	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr2	53941845	53942633	+	0	NA	intron (N	intron (N	28754	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr2-1087	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	8761	NM_144978	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-cc	protein-coding
chr3-2746	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr3	27463082	27463820	+	0	NA	intron (N	AluY|SINE	-6673	NM_003615	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr3-7099	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr3	70997176	70997515	+	0	NA	intron (N	intron (N	67579	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr5-1690	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr5	16908000	16909770	+	0	NA	intron (N	L1MB5|LIN	27403	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr5-1464	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	34144	NM_194251	134391	Hs.483732	NM_194251	ENSG00000	GPR151	GALR4|GAL	G proteir	protein-coding
chr6-7568	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr6	75686004	75686847	+	0	NA	intron (N	L1PA6|LIN	-62814	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr6-1114	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-16140	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr7-1023	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq2|SI	-11545	NM_024653	79706	Hs.722104	NM_024653	ENSG00000	PRKRIP1	C114|KRBC	PRKR inte	protein-coding
chr8-1927	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr8	1927584	1928110	+	0	NA	intron (N	AluSg|SIN	-43550	NR_126346	1.04E+08	Hs.734498	NR_126346	ENSG00000	KBTBD11-C	-	KBTBD11 c	ncRNA
chr8-2911	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chr8	29114750	29115683	+	0	NA	intron (N	intron (N	147854	NM_015254	23303	Hs.444767	NM_015254	ENSG00000	KIF13B	GAKIN	kinesin f	protein-coding
chrX-1545	5.443882	-0.47629	0.985743	-0.48318	0.628967	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSc5|SI	2238	NM_001321	8517	Hs.43505	NM_003639	ENSG00000	IKBKG	AMCBX1|EI	inhibitor	protein-coding
chr4-5602	7.61714	-0.41719	0.863778	-0.48298	0.62911	0.981636	chr4	56025012	56025326	+	0	NA	intron (N	AluJb|SIN	76224	NM_025009	9662	Hs.518767	NM_014645	ENSG00000	CEP135	CEP4|KIAA	centrosom	protein-coding
chr7-6434	7.61714	-0.41719	0.863778	-0.48298	0.62911	0.981636	chr7	64346541	64346807	+	0	NA	intron (N	L1MB2|LIN	32713	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr8-3062	7.61714	-0.41719	0.863778	-0.48298	0.62911	0.981636	chr8	30623690	30624620	+	0	NA	intron (N	L1PA5|LIN	-14425	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr17-419	11.32361	-0.33849	0.700893	-0.48294	0.629137	0.981636	chr17	41904370	41906862	+	0	NA	exon (NM_	exon (NM_	13335	NM_001096	47	Hs.387567	NM_001096	ENSG00000	ACLY	ACL|ATPCL	ATP citra	protein-coding
chr5-1385	8.956698	0.37724	0.781385	0.482784	0.629249	0.981636	chr5	13857937	13858350	+	0	NA	intron (N	L1PA7|LIN	86337	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3901	8.956698	0.37724	0.781385	0.482784	0.629249	0.981636	chr5	39011019	39012561	+	0	NA	intron (N	THE1C-int	62609	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR inc	protein-coding
chr6-3091	8.956698	0.37724	0.781385	0.482784	0.629249	0.981636	chr6	30912070	30912398	+	0	NA	intron (N	intron (N	-1974	NM_020442	57176	Hs.597526	NM_020442	ENSG00000	VARS2	COXPD20|V	valyl-tRN	protein-coding
chr16-476	11.07522	0.350419	0.726008	0.482665	0.629334	0.981636	chr16	47654152	47654643	+	0	NA	intron (N	L1PA5|LIN	193066	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr2-9758	8.086455	-0.40013	0.829437	-0.48241	0.629515	0.981636	chr2	97580016	97580215	+	0	NA	intron (N	intron (N	9762	NM_001353	57730	Hs.532921	NM_020970	ENSG00000	ANKRD36B	KIAA1641	ankyrin r	protein-coding
chr12-307	8.94884	0.379044	0.786755	0.481782	0.629961	0.981636	chr12	30746388	30747442	+	0	NA	intron (N	Tigger1|D	7599	NM_001319	65981	Hs.234355	NM_023925	ENSG00000	CAPRIN2	C1QDC1|EE	caprin fa	protein-coding
chr3-4352	8.94884	0.379044	0.786755	0.481782	0.629961	0.981636	chr3	43528743	43529155	+	0	NA	intron (N	AluJb|SIN	92977	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamir	protein-coding
chr1-1224	8.964556	0.375503	0.779746	0.481572	0.63011	0.981636	chr1	12249785	12250736	+	0	NA	intron (N	MER21C|LT	20230	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr3-1490	8.964556	0.375503	0.779746	0.481572	0.63011	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSq2|SI	-24745	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr6-1696	8.964556	0.375503	0.779746	0.481572	0.63011	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	L1M2c|LIN	15356	NM_001350	253769	Hs.131903	NM_182552	ENSG00000	WDR27	-	WD repeat	protein-coding
chr7-1153	8.964556	0.375503	0.779746	0.481572	0.63011	0.981636	chr7	1153320	1155870	+	0	NA	intron (N	intron (N	5601	NM_001365	90637	Hs.648111	NM_182491	ENSG00000	ZFAND2A	AIRAP	zinc fing	protein-coding
chr7-1011	8.176592	-0.39593	0.822167	-0.48157	0.630112	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluYm1|SI	2127	NM_000602	5054	Hs.414795	NM_000602	ENSG00000	SERPINE1	PAI|PAI-1	serpin fa	protein-coding
chr3-5215	8.997837	0.378558	0.786451	0.481349	0.630268	0.981636	chr3	5215617	5216206	+	0	NA	exon (NM_	exon (NM_	28204	NM_014674	9695	Hs.224616	NM_014674	ENSG00000	EDEM1	EDEM	ER degrac	protein-coding
chr10-575	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr10	5756790	5770826	+	0	NA	TTS (NM_C	TTS (NM_C	49626	NM_001494	2665	Hs.299055	NM_001494	ENSG00000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr12-955	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr12	95512797	95515624	+	0	NA	non-codir	non-codir	34028	NM_001278	84101	Hs.646421	NM_032147	ENSG00000	USP44	-	ubiquitir	protein-coding
chr15-446	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr15	44656090	44660124	+	0	NA	intron (N	Charlie5|	5555	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-551	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr15	55192053	55192880	+	0	NA	intron (N	intron (N	4475	NM_016304	51187	Hs.274772	NM_016304	ENSG00000	RSL24D1	C15orf15|	ribosomal	protein-coding
chr15-558	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr15	55836260	55844411	+	0	NA	intron (N	intron (N	76796	NM_001284	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|F	NEDD4 E3	protein-coding
chr15-558	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr15	55849905	55852518	+	0	NA	intron (N	MLT1N2|LT	65920	NM_001284	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|F	NEDD4 E3	protein-coding
chr18-105	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr18	10552377	10555442	+	0	NA	Intergeni	MamRep115	27882	NM_003826	8774	Hs.464622	NM_003826	ENSG00000	NAPG	GAMMASNAF	NSF attac	protein-coding
chr19-436	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr19	43663732	43667992	+	0	NA	intron (N	AluJr|SIN	4307	NM_002659	5329	Hs.466871	NM_002659	ENSG00000	PLAUR	CD87|U-PA	plasminog	protein-coding
chr2-7021	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr2	70215548	70218769	+	0	NA	intron (N	intron (N	-26139	NR_145970	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr2-2161	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	52850	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr2-2297	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	-84427	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr20-199	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr20	19995988	20001836	+	0	NA	intron (N	intron (N	-18378	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr20-508	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr20	50899311	50903142	+	0	NA	intron (N	intron (N	8565	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr3-1249	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MB8|LIN	-40926	NM_033049	56667	Hs.5940	NM_033049	ENSG00000	MUC13	DRCC1|MUC	mucin 13,	protein-coding
chr3-1327	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-8171	NR_002811	348808	Hs.586111	NR_002811	ENSG00000	NPHP3-AS1	NCRNA0011	NPHP3 ant	ncRNA
chr4-5699	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr4	56996842	57002338	+	0	NA	intron (N	intron (N	20694	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr6-1214	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr6	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	11737	NM_000165	2697	Hs.74471	NM_000165	ENSG00000	GJA1	AVSD3|CMD	gap junct	protein-coding
chr7-9038	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr7	90381134	90381872	+	0	NA	intron (N	L1MA9|LIN	-14789	NR_102424	1.01E+08		NR_102424		LOC101409	-	cell divi	pseudo
chr7-9207	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr7	92078077	92078571	+	0	NA	intron (N	intron (N	56153	NM_000786	1595	Hs.417077	NM_000786	ENSG00000	CYP51A1	CP51|CYP5	cytochrom	protein-coding
chr8-1406	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	non-codir	non-codir	-23722	NM_012154	27161	Hs.660189	NM_012154	ENSG00000	AGO2	CASC7|EIF	argonaute	protein-coding
chr9-3620	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr9	36208146	36213060	+	0	NA	intron (N	intron (N	19682	NM_001184	1211	Hs.522114	NM_001833	ENSG00000	CLTA	LCA	clathrin	protein-coding
chr9-9210	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr9	92109604	92112515	+	0	NA	intron (N	intron (N	4354	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1131	8.153018	-0.39115	0.812626	-0.48134	0.630274	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	31394	NM_001860	1318	Hs.24030	NM_001860	ENSG00000	SLC31A2	COPT2|CTF	solute ca	protein-coding
chr16-748	7.97138	0.405536	0.843063	0.481027	0.630498	0.981636	chr16	74889627	74889855	+	0	NA	exon (NM_	exon (NM_	95382	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr10-718	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr10	71815616	71817089	+	0	NA	TTS (NM_C	TTS (NM_C	4469	NM_001171	64072	Hs.656032	NM_022124	ENSG00000	CDH23	CDHR23|PI	cadherin	protein-coding
chr11-446	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr11	44605106	44605749	+	0	NA	exon (NM_	exon (NM_	39764	NM_002231	3732	Hs.527778	NM_002231	ENSG00000	CD82	4F9|C33|C	CD82 mole	protein-coding
chr11-638	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr11	63897834	63900953	+	0	NA	intron (N	intron (N	10856	NM_017490	2011	Hs.567261	NM_004954	ENSG00000	MARK2	EMK-1|EMK	microtubu	protein-coding
chr12-507	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr12	50743547	50745511	+	0	NA	intron (N	intron (N	-19572	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatir	protein-coding
chr13-200	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr13	20015247	20016592	+	0	NA	intron (N	L1MB4|LIN	56105	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr13-444	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr13	44490661	44491576	+	0	NA	intron (N	AluSc8|SI	-16817	NM_001243	8848	Hs.436383	NM_006022	ENSG00000	TSC22D1	Ptg-2|TGF	TSC22 dom	protein-coding
chr14-553	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr14	55379961	55380329	+	0	NA	intron (N	AluSx1|SI	31713	NM_014924	22863	Hs.414809	NM_014924	ENSG00000	ATG14	ATG14L|BA	autophagy	protein-coding
chr19-434	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr19	43494727	43498940	+	0	NA	intron (N	MIR|SINE|	8000	NM_198850	653583	Hs.631581	NM_198850	ENSG00000	PHLDB3	-	pleckstri	protein-coding
chr3-4052	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr3	40528158	40528796	+	0	NA	intron (N	L1MC1|LIN	3517	NM_198484	285268	Hs.19977	NM_198484	ENSG00000	ZNF621	-	zinc fing	protein-coding
chr4-1760	7.904816	0.399053	0.82969	0.480967	0.63054	0.981636	chr4	17604865	17605188	+	0	NA	intron (N	intron (N	-9615	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr5-1295	4.179115	0.542715	1.128885	0.480754	0.630692	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PA7|LIN	-119049	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr2-2405	7.359231	0.417281	0.868639	0.480385	0.630954	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	8700	NM_018226	57140	Hs.5345	NM_018226	ENSG00000	RNPEPL1	-	arginyl a	protein-coding
chr3-1465	7.359231	0.417281	0.868639	0.480385	0.630954	0.981636	chr3	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	11803	NM_001363	5359	Hs.130759	NM_021105	ENSG00000	PLSCR1	MMTRA1B	phospholi	protein-coding
chr1-7764	7.683703	-0.40765	0.849196	-0.48004	0.631201	0.981636	chr1	77643964	77645424	+	0	NA	intron (N	MIRc|SINE	37964	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-2007	7.683703	-0.40765	0.849196	-0.48004	0.631201	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	MER21A|LT	30223	NM_001297	23271	Hs.23585	NM_203459	ENSG00000	CAMSAP2	CAMSAP1L1	calmoduli	protein-coding
chr12-881	7.683703	-0.40765	0.849196	-0.48004	0.631201	0.981636	chr12	88124606	88124885	+	0	NA	intron (N	intron (N	17471	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr13-771	7.683703	-0.40765	0.849196	-0.48004	0.631201	0.981636	chr13	77166124	77166563	+	0	NA	exon (NM_	exon (NM_	90829	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chrX-1086	7.683703	-0.40765	0.849196	-0.48004	0.631201	0.981636	chrX	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA17|LI	100239	NM_003604	8471	Hs.407141	NM_003604	ENSG00000	IRS4	IRS-4|PY1	insulin r	protein-coding
chr17-286	4.701127	0.507369	1.057649	0.479714	0.631431	0.981636	chr17	28610527	28612147	+	0	NA	intron (N	intron (N	2848	NM_001174	124923	Hs.729077	NM_144610	ENSG00000	RSKR	SGK494	ribosomal	protein-coding
chr19-126	4.701127	0.507369	1.057649	0.479714	0.631431	0.981636	chr19	12659160	12659467	+	0	NA	intron (N	AluSz|SIN	7429	NM_000528	4125	Hs.356769	NM_000528	ENSG00000	MAN2B1	LAMAN|MAN	mannosida	protein-coding
chr2-1521	4.701127	0.507369	1.057649	0.479714	0.631431	0.981636	chr2	15211934	15212713	+	0	NA	intron (N	L2c|LINE|	349011	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAC	neuroblas	protein-coding
chr3-5760	4.701127	0.507369	1.057649	0.479714	0.631431	0.981636	chr3	57605111	57605746	+	0	NA	intron (N	L1MEc|LIN	7639	NR_132369	1.06E+08	Hs.667207	NR_132369	ENSG00000	ARF4-AS1	-	ARF4 anti	ncRNA
chr7-1397	11.36475	-0.33651	0.701768	-0.47952	0.63157	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	62270	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr13-327	5.402742	-0.48064	1.002344	-0.47951	0.631574	0.981636	chr13	32706715	32708258	+	0	NA	intron (N	intron (N	121034	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr20-460	5.402742	-0.48064	1.002344	-0.47951	0.631574	0.981636	chr20	46069498	46070158	+	0	NA	intron (N	L1MB4|LIN	20134	NM_020967	57727	Hs.654991	NM_020967	ENSG00000	NCOA5	CIA|bA465	nuclear r	protein-coding
chr20-496	5.402742	-0.48064	1.002344	-0.47951	0.631574	0.981636	chr20	49638460	49638893	+	0	NA	intron (N	intron (N	-70539	NM_000961	5740	Hs.302085	NM_000961	ENSG00000	PTGIS	CYP8|CYP8	prostagla	protein-coding
chr7-6537	5.402742	-0.48064	1.002344	-0.47951	0.631574	0.981636	chr7	65376285	65376764	+	0	NA	intron (N	AluSg|SIN	2669	NM_001287	168374	Hs.9521	NM_007139	ENSG00000	ZNF92	HEL-203|H	zinc fing	protein-coding
chr8-4555	39.51856	0.208494	0.43513	0.479154	0.631829	0.981636	chr8	45553644	45553868	+	0	NA	Intergeni	ALR/Alpha	1063887	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagir	pseudo
chr1-9172	4.708985	0.504109	1.052349	0.479032	0.631916	0.981636	chr1	9172833	9173522	+	0	NA	intron (N	Tigger15a	-9027	NR_132738	1.03E+08	Hs.599298	NR_132738	ENSG00000	LNCTAM34A	GUARDIN|L	long non	ncRNA
chr2-9659	4.708985	0.504109	1.052349	0.479032	0.631916	0.981636	chr2	96591951	96593446	+	0	NA	TTS (NM_C	TTS (NM_C	45293	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr20-327	4.708985	0.504109	1.052349	0.479032	0.631916	0.981636	chr20	3275440	3276948	+	0	NA	intron (N	intron (N	-37004	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-623	4.708985	0.504109	1.052349	0.479032	0.631916	0.981636	chr20	62315941	62316421	+	0	NA	intron (N	intron (N	13184	NM_007002	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr1-1200	11.34903	-0.33414	0.697613	-0.47897	0.63196	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	AluJr|SIN	64585	NM_024408	4853	Hs.487360	NM_024408	ENSG00000	NOTCH2	AGS2|HJCY	notch rec	protein-coding
chr11-463	11.34903	-0.33414	0.697613	-0.47897	0.63196	0.981636	chr11	46314930	46318604	+	0	NA	intron (N	intron (N	-16159	NM_201532	8525	Hs.502461	NM_003646	ENSG00000	DGKZ	DAGK5|DAC	diacylgly	protein-coding
chr16-302	11.34903	-0.33414	0.697613	-0.47897	0.63196	0.981636	chr16	30283573	30287440	+	0	NA	intron (N	intron (N	-37093	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr9-1105	11.34903	-0.33414	0.697613	-0.47897	0.63196	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA5|LIN	34316	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vc	protein-coding
chr1-1244	19.35481	0.26658	0.5568	0.478772	0.632101	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2935592	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1139	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-9633	NM_198269	204851	Hs.532363	NM_152696	ENSG00000	HIPK1	Myak|Nbak	homeodoma	protein-coding
chr1-1516	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSx|SIN	31134	NM_001172	11189	Hs.26047	NM_007185	ENSG00000	CELF3	BRUNOL1|C	CUGBP Ela	protein-coding
chr10-977	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr10	97748086	97750804	+	0	NA	intron (N	intron (N	10968	NM_001002	118813	Hs.744075	NM_144588	ENSG00000	ZFYVE27	PROTRUDIN	zinc fing	protein-coding
chr11-656	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr11	65627532	65632132	+	0	NA	intron (N	MIR3|SINE	-6478	NR_039839	1.01E+08		NR_039839	ENSG00000	MIR4690	-	microRNA	ncRNA
chr12-652	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr12	6526789	6528560	+	0	NA	intron (N	intron (N	-6843	NM_001289	2597	Hs.544577	NM_002046	ENSG00000	GAPDH	G3PD|GAPD	glyceralc	protein-coding
chr12-910	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr12	9103861	9106815	+	0	NA	intron (N	intron (N	10891	NM_001347	2	Hs.88556	NM_000014	ENSG00000	A2M	A2MD|CPAM	alpha-2-m	protein-coding
chr12-109	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	9804	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitir	protein-coding
chr16-166	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr16	1667840	1670127	+	0	NA	intron (N	intron (N	-9296	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr16-209	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr16	2096336	2103520	+	0	NA	exon (NM_	exon (NM_	6820	NR_106965	1.02E+08		NR_106965	ENSG00000	MIR6511B2	MIR6511B-	microRNA	ncRNA
chr16-671	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr16	67121702	67123741	+	0	NA	intron (N	intron (N	12780	NM_001320	80262	Hs.513666	NM_025187	ENSG00000	C16orf70	C16orf6|L	chromosom	protein-coding
chr17-391	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr17	39189704	39192408	+	0	NA	intron (N	AluY|SINE	6613	NM_199247	782	Hs.635	NM_000723	ENSG00000	CACNB1	CAB1|CACN	calcium v	protein-coding
chr17-825	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr17	82596058	82597523	+	0	NA	intron (N	intron (N	51654	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr19-101	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr19	10136990	10138541	+	0	NA	intron (N	intron (N	-17866	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr19-130	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr19	13095363	13095656	+	0	NA	3’ UTR (N	3’ UTR (N	7349	NM_005583	4066	Hs.46446	NM_005583	ENSG00000	LYL1	bHLHa18	LYL1 basi	protein-coding
chr19-144	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr19	14445437	14452850	+	0	NA	intron (N	AluJr|SIN	8866	NM_213560	5585	Hs.466044	NM_002741	ENSG00000	PKN1	DBK|PAK-1	protein k	protein-coding
chr19-171	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr19	17190598	17193464	+	0	NA	intron (N	AluSx1|SI	-23326	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-491	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr19	49180585	49186975	+	0	NA	intron (N	AluYc|SIN	25988	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr2-2193	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	MIRb|SINE	6158	NM_001319	23549	Hs.258551	NM_012100	ENSG00000	DNPEP	ASPEP|DAF	aspartyl	protein-coding
chr20-639	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr20	63993504	63998066	+	0	NA	intron (N	AluSx1|SI	14653	NM_012469	24148	Hs.31334	NM_012469	ENSG00000	PRPF6	ANT-1|ANT	pre-mRNA	protein-coding
chr22-311	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr22	31103967	31106026	+	0	NA	TTS (NM_C	TTS (NM_C	2572	NM_080430	140606	Hs.55940	NM_080430	ENSG00000	SELENOM	SELM|SEPM	selenopro	protein-coding
chr3-1247	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	63571	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA

chr5-3494	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr5	34943822	34946299	+	0	NA	intron (N	intron (N	15467	NM_001348	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr8-1406	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluY|SINE	28366	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr9-9355	8.442544	0.38473	0.803672	0.478715	0.632141	0.981636	chr9	93557704	93559087	+	0	NA	intron (N	intron (N	-18189	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|	PHD finge	protein-coding
chr10-844	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr10	84438320	84438747	+	0	NA	exon (NM_	exon (NM_	13364	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|	coiled-cc	protein-coding
chr14-214	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr14	21497500	21499447	+	0	NA	3’ UTR (N	3’ UTR (N	12867	NM_019852	56339	Hs.168799	NM_019852	ENSG00000	METTL3	IME4|M6A|	methyltra	protein-coding
chr16-882	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr16	8828246	8828892	+	0	NA	intron (N	HERV35I-i	-20900	NR_147908	1E+08	Hs.735515	NR_147908		LOC100130	-	uncharact	ncRNA
chr16-247	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr16	24786747	24787146	+	0	NA	intron (N	AluSx3|SI	57295	NM_014494	27327	Hs.655057	NM_014494	ENSG00000	TNRC6A	CAGH26|FA	trinucleo	protein-coding
chr3-9887	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr3	98879903	98880950	+	0	NA	intron (N	intron (N	21269	NM_080927	131566	Hs.203691	NM_080927	ENSG00000	DCBLD2	CLCP1|ESD	discoidin	protein-coding
chr7-4498	8.111878	-0.39397	0.823104	-0.47864	0.632192	0.981636	chr7	44982323	44985581	+	0	NA	non-codin	non-codin	1558	NR_002952	677798	Hs.744745	NR_002952	ENSG00000	SNORA9	ACA9|SNOR	small nuc	snoRNA
chr3-9460	8.940982	0.38095	0.796161	0.478483	0.632306	0.981636	chr3	9460349	9461388	+	0	NA	intron (N	intron (N	63168	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr1-1204	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-16308	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-2444	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	Intergeni	L1MB7|LIN	49002	NM_001126	159	Hs.498313	NM_001126	ENSG00000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr11-354	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr11	35492745	35494000	+	0	NA	intron (N	intron (N	32244	NM_001001	25891	Hs.55044	NM_015430	ENSG00000	PAMR1	DKFZP586H	peptidase	protein-coding
chr11-831	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr11	83198675	83198942	+	0	NA	intron (N	MLT1G3|LT	5096	NM_001300	338699	Hs.503438	NM_182603	ENSG00000	ANKRD42	PPP1R79|S	ankyrin r	protein-coding
chr11-118	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	LTR16B2|L	40825	NM_005933	4297	Hs.258855	NM_005933	ENSG00000	KMT2A	ALL-1|CXX	lysine me	protein-coding
chr17-814	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr17	814239	815201	+	0	NA	intron (N	intron (N	32367	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr17-448	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr17	44858266	44860319	+	0	NA	intron (N	intron (N	11409	NR_073504	51751	Hs.151787	NM_016438	ENSG00000	HIGD1B	CLST1124	HIG1 hypo	protein-coding
chr2-3060	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr2	30600072	30600271	+	0	NA	intron (N	L1P3|LINE	152925	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr4-2540	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr4	25409944	25410885	+	0	NA	intron (N	intron (N	33151	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-1222	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	77050	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr4-1836	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSz|SIN	17560	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr4-1846	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	AluSz|SIN	-5853	NR_131967	1.05E+08	Hs.338354	NR_131965	ENSG00000	LINC02365	LVCAT8	long inte	ncRNA
chr5-1604	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	6598	NM_001364	10569	Hs.435342	NM_006425	ENSG00000	SLU7	9G8|hSlu7	SLU7 homo	protein-coding
chr9-1069	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	73011	NM_021224	58499	Hs.370379	NM_021224	ENSG00000	ZNF462	ZFPIP|Zfp	zinc fing	protein-coding
chr9-1105	8.401404	0.383453	0.801772	0.478257	0.632467	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	MamSINE1|	30054	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr10-158	8.393546	0.385262	0.805641	0.478206	0.632503	0.981636	chr10	15800697	15801953	+	0	NA	intron (N	Tigger2|D	59182	NM_024948	80013	Hs.158870	NM_024948	ENSG00000	MINDY3	C10orf97|	MINDY lys	protein-coding
chr16-581	8.393546	0.385262	0.805641	0.478206	0.632503	0.981636	chr16	58191018	58191300	+	0	NA	intron (N	L1MB3|LIN	6947	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr4-5344	8.393546	0.385262	0.805641	0.478206	0.632503	0.981636	chr4	53443904	53445153	+	0	NA	intron (N	intron (N	-55549	NR_046622	1.01E+08	Hs.662372	NR_046622	ENSG00000	LNX1-AS1	-	LNX1 anti	ncRNA
chr1-1249	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr1	12497640	12498334	+	0	NA	intron (N	Charlie22	-9259	NR_003025	677885	Hs.658450	NR_003025	ENSG00000	SNORA59A	ACA59	small nuc	snoRNA
chr10-865	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr10	86509519	86510601	+	0	NA	intron (N	AluSx3|SI	11724	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr12-557	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr12	55774195	55775062	+	0	NA	intron (N	AluSq2|SI	31506	NM_005811	10220	Hs.600883	NM_005811	ENSG00000	GDF11	BMP-11|BM	growth di	protein-coding
chr12-895	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr12	89598836	89600176	+	0	NA	intron (N	intron (N	-73244	NM_001199	1.01E+08	Hs.25130	NM_001199	ENSG00000	POC1B-GAL	GALNT4|Ga	POC1B-GAL	protein-coding
chr14-241	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr14	24186091	24187099	+	0	NA	intron (N	intron (N	2221	NM_024658	79711	Hs.411865	NM_024658	ENSG00000	IPO4	Imp4	importin	protein-coding
chr14-914	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr14	91455463	91457256	+	0	NA	TTS (NM_0	TTS (NM_0	-38539	NM_001080	440193	Hs.525536	NM_001080	ENSG00000	CCDC88C	DAPLE|HKR	coiled-cc	protein-coding
chr15-748	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr15	74800276	74800674	+	0	NA	exon (NM_	exon (NM_	-11718	NR_039738	1.01E+08		NR_039738	ENSG00000	MIR4513	-	microRNA	ncRNA
chr15-846	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr15	84604922	84605189	+	0	NA	intron (N	intron (N	4046	NM_001007	54993	Hs.594023	NM_017894	ENSG00000	ZSCAN2	ZFP29|ZNF	zinc fing	protein-coding
chr17-364	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr17	36494645	36496523	+	0	NA	TTS (NM_0	TTS (NM_0	8903	NM_001281	9326	Hs.2210	NM_004773	ENSG00000	ZNHIT3	PEHO|TRIP	zinc fing	protein-coding
chr17-569	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr17	56935615	56936133	+	0	NA	Intergeni	Charlie1a	-21825	NM_005082	7706	Hs.528952	NM_005082	ENSG00000	TRIM25	EFP|RNF14	tripartit	protein-coding
chr2-9368	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr2	9368666	9369270	+	0	NA	intron (N	intron (N	53623	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-1330	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	166255	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-1699	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	78376	NM_172070	130507	Hs.379548	NM_172070	ENSG00000	UBR3	ZNF650	ubiquitin	protein-coding
chr3-5225	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr3	52253470	52254701	+	0	NA	TTS (NM_0	TTS (NM_0	7918	NM_001122	132160	Hs.373560	NM_144641	ENSG00000	PPM1M	PP2C-eta|	protein p	protein-coding
chr5-7864	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr5	7864100	7865888	+	0	NA	intron (N	L1ME3G|LI	4037	NM_024091	79072	Hs.653162	NM_024091	ENSG00000	FASTKD3	-	FAST kina	protein-coding
chr5-1708	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	L1P2|LINE	37395	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr6-7130	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr6	71300240	71301096	+	0	NA	intron (N	MIR|SINE|	11857	NM_024576	79627	Hs.648434	NM_024576	ENSG00000	OGFRL1	dJ331H24.	opioid gr	protein-coding
chr6-1405	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr6	1.41E+08	1.41E+08	+	0	NA	Intergeni	L1MA1|LIN	-147827	NR_039675	1.01E+08		NR_039675	ENSG00000	MIR4465	-	microRNA	ncRNA
chr6-1670	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr6	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	6087	NM_194429	11116	Hs.487175	NM_007045	ENSG00000	FGFR1OP	FOP	FGFR1 onc	protein-coding
chr7-1403	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	50325	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding
chr8-4778	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr8	47784646	47786562	+	0	NA	intron (N	AluJo|SIN	-47440	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr9-2782	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr9	2782471	2783427	+	0	NA	Intergeni	MER57A-in	61146	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio	protein-coding
chr9-4694	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chr9	4694053	4694377	+	0	NA	intron (N	AluJo|SIN	14646	NM_017913	55664	Hs.666439	NM_017913	ENSG00000	CDC37L1	CDC37B|HA	cell divi	protein-coding
chrX-5454	5.436024	-0.47391	0.99108	-0.47818	0.632524	0.981636	chrX	54541403	54541840	+	0	NA	intron (N	intron (N	11402	NM_001184	54552	Hs.654677	NM_019067	ENSG00000	GNL3L	GNL3B	G protein	protein-coding
chr3-1841	8.972414	0.373802	0.781743	0.478165	0.632533	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	6873	NM_001351	55324	Hs.361323	NM_018358	ENSG00000	ABCF3	EST201864	ATP bindi	protein-coding
chr1-5221	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr1	52216570	52217767	+	0	NA	intron (N	LTR10B2|L	75074	NM_004799	9372	Hs.532345	NM_004799	ENSG00000	ZFYVE9	MADHIP|NS	zinc fing	protein-coding
chr10-124	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	30950	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr12-109	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	26529	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr13-270	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr13	27094519	27095731	+	0	NA	intron (N	AluJr|SIN	-30408	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr16-705	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr16	70507056	70510680	+	0	NA	intron (N	intron (N	14686	NM_001365	25839	Hs.208680	NM_015386	ENSG00000	COG4	CDG2J|COD	component	protein-coding
chr2-2012	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	12900	NM_033356	841	Hs.599762	NM_001228	ENSG00000	CASP8	ALPS2B|CA	caspase 8	protein-coding
chr20-249	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr20	2491921	2493254	+	0	NA	intron (N	L2a|LINE|	16328	NM_001321	79175	Hs.516846	NM_024325	ENSG00000	ZNF343	dJ734P14.	zinc fing	protein-coding
chr22-314	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr22	31480321	31482747	+	0	NA	intron (N	intron (N	8022	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr3-1490	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	-14940	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr5-3898	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr5	38987276	38990520	+	0	NA	intron (N	L1PA7|LIN	85501	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR ind	protein-coding
chr9-3297	8.931274	0.372539	0.779459	0.477946	0.632689	0.981636	chr9	32979491	32981244	+	0	NA	intron (N	intron (N	21209	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr6-7364	7.367089	0.415144	0.868766	0.477855	0.632754	0.981636	chr6	73649990	73650499	+	0	NA	intron (N	AluYk4|SI	3748	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr1-5507	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr1	55077048	55078690	+	0	NA	intron (N	MIRb|SINE	37647	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-5657	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr1	56575115	56579070	+	0	NA	intron (N	intron (N	2471	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr10-889	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr10	88902111	88909843	+	0	NA	intron (N	L2a|LINE|	25732	NM_020799	57559	Hs.16229	NM_020799	ENSG00000	STAMBPL1	ALMalpha|	STAM bind	protein-coding
chr10-925	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr10	92558591	92558917	+	0	NA	intron (N	AluSx|SIN	14752	NM_001322	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr10-943	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr10	94349388	94350226	+	0	NA	intron (N	AluY|SINE	13132	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr11-351	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr11	35151820	35156914	+	0	NA	intron (N	intron (N	-8583	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-702	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr11	70206489	70209153	+	0	NA	TTS (NM_0	TTS (NM_0	4658	NM_003824	8772	Hs.86131	NM_003824	ENSG00000	FADD	GIG3|MORT	Fas assoc	protein-coding
chr12-535	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr12	53524445	53525091	+	0	NA	intron (N	intron (N	10784	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-104	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	promoter-	promoter-	-239	NM_001008	493861	Hs.659857	NM_001008	ENSG00000	EID3	NS4EB|NSE	EP300 int	protein-coding
chr14-516	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr14	51697252	51698474	+	0	NA	intron (N	intron (N	-19420	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr14-883	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr14	88394038	88403693	+	0	NA	intron (N	AluYj4|SI	13208	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-403	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr15	40386357	40393749	+	0	NA	intron (N	intron (N	7332	NM_033286	90417	Hs.525796	NM_033286	ENSG00000	KNSTRN	C15orf23|	kinetocho	protein-coding
chr15-619	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr15	61953677	61954334	+	0	NA	intron (N	intron (N	106442	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr17-770	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr17	77091577	77095119	+	0	NA	non-codin	non-codin	3931	NR_106997	1.02E+08		NR_106997	ENSG00000	MIR6516	hsa-mir-6	microRNA	ncRNA
chr19-108	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr19	10811479	10817355	+	0	NA	intron (N	AluSp|SIN	3079	NR_029586	406976		NR_029586	ENSG00000	MIR199A1	MIR-199-s	microRNA	ncRNA
chr2-3252	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr2	32529984	32530433	+	0	NA	intron (N	L1ME4a|LI	-1945	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-5394	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr2	53945437	53948687	+	0	NA	intron (N	intron (N	23931	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr22-425	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr22	42587430	42587881	+	0	NA	intron (N	intron (N	-5644	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr3-4259	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr3	42594652	42595669	+	0	NA	TTS (NM_0	TTS (NM_0	4300	NM_001370	51188	Hs.534454	NM_016305	ENSG00000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr4-1866	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	41913	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-3586	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr5	35867751	35868995	+	0	NA	intron (N	intron (N	11482	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr5-9353	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr5	93536466	93539385	+	0	NA	intron (N	MER6|DNA|	33418	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-9576	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr5	95763376	95765533	+	0	NA	intron (N	intron (N	-32352	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr8-1706	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr8	17060236	17060663	+	0	NA	intron (N	AluSz|SIN	33211	NR_146233	286097	Hs.403594	NM_181723	ENSG00000	MICU3	EFHA2	mitochond	protein-coding
chr9-9544	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr9	95449053	95449842	+	0	NA	intron (N	intron (N	-14162	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr9-1109	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	110363	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chrX-1685	8.14516	-0.38955	0.815442	-0.47771	0.632856	0.981636	chrX	16856596	16859088	+	0	NA	intron (N	intron (N	12021	NM_001198	5931	Hs.495755	NM_002893	ENSG00000	RBBP7	RbAp46	RB bindin	protein-coding
chr1-1002	8.475826	0.387836	0.812654	0.477246	0.633187	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	1158	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr17-448	8.475826	0.387836	0.812654	0.477246	0.633187	0.981636	chr17	44883368	44884551	+	0	NA	intron (N	intron (N	15409	NM_001258	9343	Hs.151787	NM_004247	ENSG00000	EFTUD2	MFDGA|MFD	elongatio	protein-coding
chr1-9678	11.34118	-0.33297	0.69833	-0.47681	0.633501	0.981636	chr1	96784808	96785505	+	0	NA	exon (NM_	exon (NM_	62518	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr10-620	11.34118	-0.33297	0.69833	-0.47681	0.633501	0.981636	chr10	62088446	62093544	+	0	NA	exon (NM_	exon (NM_	41638	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr2-2373	11.34118	-0.33297	0.69833	-0.47681	0.633501	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	23102	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr4-1195	11.34118	-0.33297	0.69833	-0.47681	0.633501	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	68046	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|	phosphodi	protein-coding
chr6-5733	11.34118	-0.33297	0.69833	-0.47681	0.633501	0.981636	chr6	57334415	57335930	+	0	NA	intron (N	L1PA3|LIN	17542	NM_000947	5558	Hs.654580	NM_000947	ENSG00000	PRIM2	PRIM2A|p5	DNA prima	protein-coding
chr1-1123	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	11237711	11241741	+	0	NA	intron (N	AluSz|SIN	22825	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAP	mechanist	protein-coding
chr1-1226	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	12260443	12266313	+	0	NA	intron (N	Tigger17a	33348	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3974	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	39742781	39746060	+	0	NA	intron (N	intron (N	5575	NR_036543	10450	Hs.524690	NM_006112	ENSG00000	PPIE	CYP-33|CY	peptidylp	protein-coding
chr1-4480	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	44801785	44807284	+	0	NA	intron (N	intron (N	2751	NM_001013	343521	Hs.585137	NM_001013	ENSG00000	TCTEX1D4	-	Tctex1 dc	protein-coding
chr1-1557	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-8296	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-2312	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	MLT1C|LTR	3636	NM_001300	128061	Hs.743464	NM_152379	ENSG00000	C1orf131	-	chromosom	protein-coding
chr1-2351	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	TTS (NM_0	TTS (NM_0	18763	NR_002956	677802	Hs.744743	NR_002956	ENSG00000	SNORA14B	ACA14b	small nuc	snoRNA
chr10-976	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr10	97651470	97658179	+	0	NA	intron (N	intron (N	14138	NM_018425	55361	Hs.25300	NM_018425	ENSG00000	PI4K2A	PI4KII|PI	phosphati	protein-coding
chr11-466	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr11	46685418	46687182	+	0	NA	intron (N	MIRc|SINE	14319	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr11-119	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	9097	NM_001130	10525	Hs.277704	NM_006389	ENSG00000	HYOU1	GRP-170|	hypoxia u	protein-coding
chr12-488	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr12	48832125	48846183	+	0	NA	intron (N	AluJb|SIN	13009	NM_004818	9416	Hs.130098	NM_004818	ENSG00000	DDX23	PRPF28|SN	DEAD-box	protein-coding
chr12-122	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJb|SIN	9642	NM_030765	79369	Hs.363315	NM_030765	ENSG00000	B3GNT4	B3GN-T4|b	UDP-GlcNA	protein-coding
chr12-123	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	non-codin	non-codin	13051	NM_180699	11066	Hs.632738	NM_007020	ENSG00000	SNRNP35	HM-1|U1SN	small nuc	protein-coding
chr14-994	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr14	99492487	99498385	+	0	NA	intron (N	intron (N	14027	NM_001099	8812	Hs.510409	NM_003858	ENSG00000	CCNK	CPR4|IDDH	cyclin K	protein-coding
chr15-496	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr15	49628233	49640821	+	0	NA	intron (N	intron (N	13479	NM_001144	56986	Hs.127432	NM_020234	ENSG00000	DTWD1	MDS009	DTW domai	protein-coding
chr15-753	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr15	75391572	75394859	+	0	NA	intron (N	AluSx1|SI	-24588	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr17-106	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr17	10685033	10686721	+	0	NA	intron (N	intron (N	11656	NM_004589	6341	Hs.14511	NM_004589	ENSG00000	SCO1	SCOD1	SCO cytoc	protein-coding
chr18-801	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr18	80135324	80137687	+	0	NA	exon (NM_	exon (NM_	-11419	NR_028339	1E+08	Hs.352602	NM_001145	ENSG00000	PARD6G-AS	-	PARD6G ar	ncRNA
chr2-4433	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr2	44332060	44333145	+	0	NA	exon (NM_	exon (NM_	27147	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr20-337	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr20	3370662	3375929	+	0	NA	intron (N	intron (N	34367	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr4-7528	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr4	75282	87531	+	0	NA	intron (N	intron (N	28085	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr6-3689	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr6	36898220	36900681	+	0	NA	exon (NM_	exon (NM_	13498	NM_001286	221477	Hs.433381	NM_152734	ENSG00000	C6orf89	BRAP|PS1T	chromosom	protein-coding
chr9-1252	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSg|SIN	26376	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1328	8.939132	0.37082	0.777822	0.476741	0.633547	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	18028	NM_001316	11092	Hs.62595	NM_018956	ENSG00000	SPACA9	C9orf9|Ma	sperm acr	protein-coding

chr3-1963	7.408228	0.416414	0.873691	0.476614	0.633637	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	L1PA6|LIN	-42117	NR_037950	1.01E+08	Hs.733180	NR_037950		TM4SF19-A	-	TM4SF19-	lncRNA
chr5-1770	7.408228	0.416414	0.873691	0.476614	0.633637	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	21892	NM_001308	23567	Hs.484259	NM_012279	ENSG00000	ZNF346	JAZ|Zfp34	zinc fing	protein-coding
chr7-1288	7.408228	0.416414	0.873691	0.476614	0.633637	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	promoter-	promoter-	-709	NM_001195	1E+08	Hs.641532	NM_001195	ENSG00000	ATP6V1FNB	-	ATP6V1F r	protein-coding
chr1-1179	8.596909	-0.38224	0.803123	-0.47595	0.634112	0.981636	chr1	11793686	11793985	+	0	NA	intron (N	intron (N	9842	NM_001330	4524	Hs.214142	NM_005957	ENSG00000	MTHFR	-	methylene	protein-coding
chr12-123	8.596909	-0.38224	0.803123	-0.47595	0.634112	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	LTR10C|LT	30335	NM_001304	80212	Hs.114111	NM_025140	ENSG00000	CCDC92	-	coiled-cc	protein-coding
chr1-4668	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr1	46688201	46690181	+	0	NA	intron (N	intron (N	15155	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr1-2201	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz|SIN	-10868	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr1-2313	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13705	NM_001010	83932	Hs.554892	NM_032018	ENSG00000	SPRTN	C1orf124|	SprT-like	protein-coding
chr12-928	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr12	92858004	92859716	+	0	NA	intron (N	intron (N	70435	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr13-973	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr13	97375078	97375900	+	0	NA	intron (N	intron (N	-58680	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr14-732	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr14	73211567	73214440	+	0	NA	intron (N	intron (N	-24503	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr15-658	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr15	65884201	65886080	+	0	NA	intron (N	AluSc8|SI	15649	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr17-572	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr17	57262057	57265284	+	0	NA	intron (N	intron (N	6651	NM_170721	124540	Hs.658922	NM_138962	ENSG00000	MSI2	MSI2H	musashi R	protein-coding
chr18-468	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr18	46888418	46890885	+	0	NA	intron (N	L1MB3|LIN	27856	NR_148702	9063	Hs.57769	NM_004671	ENSG00000	PIAS2	ARIP3|DIF	protein i	protein-coding
chr21-429	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr21	42908766	42911703	+	0	NA	3’ UTR (N	3’ UTR (N	15364	NM_001308	90625		NM_001308491		ERVH48-1	C21orf105	endogenou	protein-coding
chr4-3172	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr4	3172600	3175389	+	0	NA	intron (N	intron (N	-70375	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr4-1289	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MC5|LIN	132718	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr5-1074	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr5	10747146	10748822	+	0	NA	intron (N	intron (N	13250	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr5-4865	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr5	48650730	48651968	+	0	NA	Intergeni	ALR/Alpha	1789939	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-9581	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr5	95814318	95817522	+	0	NA	intron (N	L2a|LINE|	6806	NM_002064	2745	Hs.28988	NM_002064	ENSG00000	GLRX	GRX|GRX1	glutaredc	protein-coding
chr6-3189	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr6	31891385	31893229	+	0	NA	intron (N	intron (N	4682	NM_001318	10919	Hs.709218	NM_006709	ENSG00000	EHMT2	BAT8|C6or	euchromat	protein-coding
chr7-3822	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr7	38229337	38230419	+	0	NA	intron (N	intron (N	43769	NM_001003	445347	Hs.534032	NM_001003799		TARP	CD3G|TCRG	TCR gamma	protein-coding
chr7-1072	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	31563	NM_012257	26959	Hs.162032	NM_012257	ENSG00000	HBP1	-	HMG-box t	protein-coding
chr7-1494	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	HAL1|LINE	15394	NM_015694	27153	Hs.38512	NM_015694	ENSG00000	ZNF777	-	zinc fing	protein-coding
chr9-3504	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr9	35047768	35048014	+	0	NA	Intergeni	AluSz6|SI	5651	NM_203299	138724	Hs.148250	NM_203299	ENSG00000	C9orf131	-	chromosom	protein-coding
chr9-1287	8.409262	0.381629	0.801936	0.475885	0.634156	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	11871	NM_018201	54662	Hs.3376	NM_018201	ENSG00000	TBC1D13	-	TBC1 doma	protein-coding
chr9-4358	19.28824	0.263595	0.554055	0.475755	0.634249	0.981636	chr9	43588022	43588348	+	0	NA	Intergeni	ALR/Alpha	462019	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr13-114	8.604767	-0.38388	0.807512	-0.47539	0.634508	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	37112	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr7-1162	8.078597	-0.39859	0.838742	-0.47522	0.634629	0.981636	chr7	1.16E+08	1.16E+08	+	0	NA	intron (N	THE1C-int	21733	NM_152829	26136	Hs.592286	NM_015641	ENSG00000	TES	TESS|TESS	testin LI	protein-coding
chr17-246	7.642564	-0.41051	0.864173	-0.47504	0.634762	0.981636	chr17	2463640	2463937	+	0	NA	intron (N	intron (N	48100	NM_024086	79066	Hs.632237	NM_024086	ENSG00000	METTL16	METT10D	methyltra	protein-coding
chr9-1311	7.642564	-0.41051	0.864173	-0.47504	0.634762	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	24914	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chrX-1295	7.642564	-0.41051	0.864173	-0.47504	0.634762	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	11308	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr14-771	7.44151	0.419764	0.883648	0.475035	0.634762	0.981636	chr14	77113752	77114907	+	0	NA	3’ UTR (N	3’ UTR (N	16071	NM_033426	85457	Hs.709066	NM_033426	ENSG00000	CIPC	KIAA1737	CLOCK int	protein-coding
chr19-413	11.27461	-0.3395	0.714855	-0.47493	0.63484	0.981636	chr19	41300307	41301011	+	0	NA	intron (N	intron (N	-9513	NM_052848	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-cc	protein-coding
chr10-119	8.589051	-0.38068	0.801557	-0.47492	0.634841	0.981636	chr10	11920994	11921203	+	0	NA	3’ UTR (N	3’ UTR (N	-26388	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr11-108	8.589051	-0.38068	0.801557	-0.47492	0.634841	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJb|SIN	66363	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr17-383	8.589051	-0.38068	0.801557	-0.47492	0.634841	0.981636	chr17	38319136	38319541	+	0	NA	intron (N	AluSp|SIN	22170	NM_032351	84311	Hs.537279	NM_032351	ENSG00000	MRPL45	L45mt|MRP	mitochond	protein-coding
chr12-131	7.863677	0.397603	0.837303	0.474862	0.634886	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	35020	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr20-398	7.863677	0.397603	0.837303	0.474862	0.634886	0.981636	chr20	3989702	3990004	+	0	NA	intron (N	MLT1I|LTR	25705	NM_001134	11237	Hs.547576	NM_007219	ENSG00000	RNF24	G1L	ring fing	protein-coding
chr20-356	9.47871	0.36942	0.778283	0.47466	0.635029	0.981636	chr20	35688935	35689395	+	0	NA	intron (N	intron (N	10187	NM_001198	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr12-121	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx3|SI	-20471	NM_153499	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr16-311	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr16	31112139	31112789	+	0	NA	3’ UTR (N	3’ UTR (N	4078	NM_001122	10295	Hs.513520	NM_005881	ENSG00000	BCKDK	BCKDKD|BD	branched	protein-coding
chr18-215	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr18	21563577	21563832	+	0	NA	intron (N	intron (N	37000	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr21-437	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr21	43747150	43747681	+	0	NA	intron (N	intron (N	5929	NM_001331	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr3-1002	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	22532	NM_001199	55773	Hs.477003	NM_018309	ENSG00000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr5-3242	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr5	32428879	32429091	+	0	NA	intron (N	AluYm1|SI	15755	NR_144318	51663	Hs.435231	NM_016107	ENSG00000	ZFR	SPG71|ZFR	zinc fing	protein-coding
chr5-8113	7.912674	0.396975	0.836664	0.474474	0.635162	0.981636	chr5	81137558	81137805	+	0	NA	intron (N	MLT1B|LTR	-95639	NM_001825	1160	Hs.80691	NM_001825	ENSG00000	CKMT2	SMTCK	creatine	protein-coding
chr1-2113	8.194158	-0.38828	0.818601	-0.47432	0.635272	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	-23042	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr16-892	8.194158	-0.38828	0.818601	-0.47432	0.635272	0.981636	chr16	89269733	89270920	+	0	NA	intron (N	intron (N	-25802	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG00000	LOC105371	-	uncharact	ncRNA
chr7-9949	14.14304	0.300054	0.6326	0.474319	0.635272	0.981636	chr7	99492189	99497512	+	0	NA	intron (N	AluSc|SIN	5431	NM_032164	84124	Hs.386324	NM_032164	ENSG00000	ZNF394	ZKSCAN14|	zinc fing	protein-coding
chr6-8724	5.887772	-0.45576	0.960969	-0.47427	0.635309	0.981636	chr6	87248424	87248778	+	0	NA	intron (N	intron (N	-73987	NM_001287	57150	Hs.70769	NM_020425	ENSG00000	SMIM8	C6orf162|	small int	protein-coding
chr11-916	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr11	9165810	9166746	+	0	NA	intron (N	AluSc8|SI	71915	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr14-229	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr14	22971180	22972551	+	0	NA	3’ UTR (N	3’ UTR (N	4977	NM_198086	84962	Hs.655832	NM_032876	ENSG00000	AJUBA	JUB	ajuba LIM	protein-coding
chr15-519	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr15	51909033	51911256	+	0	NA	3’ UTR (N	3’ UTR (N	13976	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr16-207	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr16	20735633	20736615	+	0	NA	3’ UTR (N	3’ UTR (N	5694	NM_001304	55623	Hs.700004	NM_017736	ENSG00000	THUMPD1	Tan1	THUMP dom	protein-coding
chr2-5535	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr2	55351726	55352493	+	0	NA	intron (N	L1MB7|LIN	67747	NM_001365	55704	Hs.292925	NM_018084	ENSG00000	CCDC88A	APE|GIRDI	coiled-cc	protein-coding
chr7-3256	8.1863	-0.38672	0.815447	-0.47424	0.635329	0.981636	chr7	32562012	32563613	+	0	NA	intron (N	AluJo|SIN	67323	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr17-384	11.38232	-0.33099	0.698114	-0.47412	0.635413	0.981636	chr17	38466051	38468618	+	0	NA	intron (N	intron (N	38870	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr12-572	7.945956	0.400188	0.844226	0.47403	0.635479	0.981636	chr12	57295971	57296982	+	0	NA	exon (NM_	exon (NM_	-45289	NM_001286	246329	Hs.417595	NM_145064	ENSG00000	STAC3	MYPBB|NAM	SH3 and c	protein-coding
chr18-419	7.724843	-0.4044	0.853639	-0.47373	0.635689	0.981636	chr18	41960562	41961127	+	0	NA	intron (N	AluSz|SIN	5610	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr7-1549	7.724843	-0.4044	0.853639	-0.47373	0.635689	0.981636	chr7	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSx1|SI	4815	NM_007349	22976	Hs.443881	NM_007349	ENSG00000	PAXIP1	CAGF28|CA	PAX inter	protein-coding
chr8-7331	7.724843	-0.4044	0.853639	-0.47373	0.635689	0.981636	chr8	73319244	73319848	+	0	NA	intron (N	intron (N	24944	NM_172037	157506	Hs.244940	NM_172037	ENSG00000	RDH10	SDR16C4	retinol d	protein-coding
chr19-284	7.871535	0.395663	0.835206	0.473731	0.635692	0.981636	chr19	2844387	2845424	+	0	NA	intron (N	MER68-int	3430	NM_152791	148254	Hs.47712	NM_152791	ENSG00000	ZNF555	-	zinc fing	protein-coding
chr2-9672	5.36946	-0.4877	1.029665	-0.47365	0.635747	0.981636	chr2	96726274	96726599	+	0	NA	intron (N	L1MB8|LIN	13640	NM_001142	81562	Hs.655743	NM_030805	ENSG00000	LMAN2L	MRT52|VIP	lectin, m	protein-coding
chr14-450	4.716843	0.500823	1.057417	0.473629	0.635765	0.981636	chr14	45021977	45023742	+	0	NA	intron (N	HERV17-in	60669	NM_001308	23116	Hs.371078	NM_015091	ENSG00000	TOGARAM1	FAM179B|K	TOG array	protein-coding
chr3-4797	4.716843	0.500823	1.057417	0.473629	0.635765	0.981636	chr3	4797079	4798066	+	0	NA	intron (N	intron (N	-45982	NR_004428	1E+08	Hs.663059	NR_004428	ENSG00000	EGOT	EGO|NCRNA	eosinophi	ncRNA
chr7-1007	4.716843	0.500823	1.057417	0.473629	0.635765	0.981636	chr7	1007392	1009881	+	0	NA	intron (N	intron (N	14390	NR_029898	442907		NR_029898	ENSG00000	MIR339	MIRN339|h	microRNA	ncRNA
chr20-344	11.33332	-0.3318	0.700921	-0.47337	0.635947	0.981636	chr20	34462162	34463342	+	0	NA	intron (N	L1MB3|LIN	-3573	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr1-3583	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr1	35832001	35833077	+	0	NA	exon (NM_	exon (NM_	24523	NM_017629	192670	Hs.744858	NM_017629	ENSG00000	AGO4	EIF2C4	argonaute	protein-coding
chr1-2201	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L2|LINE|L	-38731	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-272	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr10	27222837	27223345	+	0	NA	intron (N	intron (N	17395	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr12-131	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx|SIN	-37924	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr14-650	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr14	65092735	65095089	+	0	NA	non-codin	non-codin	3994	NR_045122	1.01E+08	Hs.711267	NR_045122	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-777	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr14	77753683	77754666	+	0	NA	intron (N	AluSp|SIN	-6594	NR_161323	283579	Hs.375834	NM_174943	ENSG00000	C14orf178	-	chromosom	ncRNA
chr14-928	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr14	92806442	92822783	+	0	NA	intron (N	L1ME4a|LI	20307	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr15-700	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr15	70081271	70081932	+	0	NA	intron (N	intron (N	-2133	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr15-979	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr15	97965082	97972766	+	0	NA	intron (N	intron (N	8221	NM_183376	91947	Hs.6093	NM_183376	ENSG00000	ARRDC4	-	arrestin	protein-coding
chr17-388	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr17	38808636	38814908	+	0	NA	intron (N	MER5A|DNA	-11867	NM_003559	8396	Hs.260603	NM_003559	ENSG00000	PIP4K2B	PI5P4KB|P	phosphati	protein-coding
chr17-481	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr17	48117822	48120047	+	0	NA	intron (N	intron (N	11349	NM_013323	29916	Hs.15827	NM_013323	ENSG00000	SNX11	-	sorting n	protein-coding
chr17-759	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr17	75946518	75952265	+	0	NA	intron (N	intron (N	-11159	NM_001319	85302	Hs.720068	NM_001080	ENSG00000	FBF1	Alb|FBF-1	Fas bindi	protein-coding
chr17-802	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr17	80230535	80240184	+	0	NA	intron (N	AluJb|SIN	14932	NM_001166	284129	Hs.4866	NM_173626	ENSG00000	SLC26A11	-	solute ca	protein-coding
chr19-405	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr19	4053101	4055256	+	0	NA	exon (NM_	exon (NM_	11351	NM_001317	51341	Hs.591384	NM_015898	ENSG00000	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr19-357	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr19	35761986	35762617	+	0	NA	exon (NM_	exon (NM_	4125	NM_001039	148137	Hs.527982	NM_144692	ENSG00000	PROSER3	C19orf55	proline a	protein-coding
chr19-393	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr19	39373758	39384514	+	0	NA	intron (N	AluJr|SIN	11970	NM_001256	54623	Hs.466714	NM_019088	ENSG00000	PAF1	F23149_1|	PAF1 homo	protein-coding
chr19-440	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr19	44084954	44087359	+	0	NA	exon (NM_	exon (NM_	-8205	NM_013398	7767	Hs.585869	NM_013398	ENSG00000	ZNF224	BMZF-2|BM	zinc fing	protein-coding
chr2-9628	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr2	96287921	96293674	+	0	NA	exon (NM_	exon (NM_	14749	NM_014014	23020	Hs.246112	NM_014014	ENSG00000	SNRNP200	ASCC3L1|B	small nuc	protein-coding
chr2-9670	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr2	96708743	96712352	+	0	NA	intron (N	AluSc|SIN	29529	NM_001142	81562	Hs.655743	NM_030805	ENSG00000	LMAN2L	MRT52|VIP	lectin, m	protein-coding
chr2-1620	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	L2b|LINE|	70176	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-2304	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	31528	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr22-193	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr22	19360631	19361988	+	0	NA	exon (NM_	exon (NM_	-69590	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr3-1424	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx|SIN	16627	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr4-3146	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr4	3146447	3149518	+	0	NA	intron (N	intron (N	73301	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr4-3228	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr4	3228644	3231482	+	0	NA	intron (N	intron (N	-14306	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr5-1770	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	MIRb|SINE	19797	NM_001308	23567	Hs.484259	NM_012279	ENSG00000	ZNF346	JAZ|Zfp34	zinc fing	protein-coding
chr7-1512	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSc|SIN	6838	NR_160983	1.14E+08	Hs.654958	NM_005692		LOC114483	-	ABCF2-H2B	protein-coding
chr8-1332	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	17489	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-1364	8.94699	0.36911	0.779815	0.47333	0.635978	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-21414	NM_019892	56623	Hs.120998	NM_019892	ENSG00000	INPP5E	CORS1|CPD	inositol	protein-coding
chr11-863	8.622333	-0.3764	0.795393	-0.47323	0.636052	0.981636	chr11	86308488	86308906	+	0	NA	intron (N	L1PA5|LIN	6457	NM_001322	51501	Hs.283322	NM_016401	ENSG00000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr13-253	8.622333	-0.3764	0.795393	-0.47323	0.636052	0.981636	chr13	25309832	25310331	+	0	NA	intron (N	AluJr|SIN	8456	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUP	nucleopor	protein-coding
chr14-529	8.622333	-0.3764	0.795393	-0.47323	0.636052	0.981636	chr14	52909023	52910310	+	0	NA	intron (N	AluSx1|SI	41384	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr22-363	8.622333	-0.3764	0.795393	-0.47323	0.636052	0.981636	chr22	36379068	36381749	+	0	NA	intron (N	intron (N	7659	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr10-329	11.37446	-0.32982	0.696974	-0.47322	0.636055	0.981636	chr10	32925935	32930695	+	0	NA	intron (N	intron (N	7243	NM_033668	3688	Hs.643813	NM_002211	ENSG00000	ITGB1	CD29|FNRB	integrin	protein-coding
chr19-160	11.37446	-0.32982	0.696974	-0.47322	0.636055	0.981636	chr19	16079632	16104158	+	0	NA	intron (N	MIR|SINE|	14879	NM_001367	7171	Hs.631618	NM_003290	ENSG00000	TPM4	HEL-S-108	tropomyos	protein-coding
chr19-394	11.37446	-0.32982	0.696974	-0.47322	0.636055	0.981636	chr19	39407538	39408323	+	0	NA	exon (NM_	exon (NM_	1083	NM_003407	7538	Hs.534052	NM_003407	ENSG00000	ZFP36	GOS24|GOS	ZFP36 rin	protein-coding
chr5-7286	11.37446	-0.32982	0.696974	-0.47322	0.636055	0.981636	chr5	72864579	72869331	+	0	NA	TTS (NM_0	TTS (NM_0	-11636	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr9-1073	11.37446	-0.32982	0.696974	-0.47322	0.636055	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	23175	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chr1-1179	7.675846	-0.40574	0.857481	-0.47317	0.636089	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	20296	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr12-640	7.675846	-0.40574	0.857481	-0.47317	0.636089	0.981636	chr12	64043110	64043617	+	0	NA	intron (N	intron (N	178933	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr18-361	7.675846	-0.40574	0.857481	-0.47317	0.636089	0.981636	chr18	36154889	36155774	+	0	NA	intron (N	intron (N	25432	NM_001242	55250	Hs.8739	NM_018255	ENSG00000	ELP2	MRT58|SHI	elongator	protein-coding
chr3-4767	7.675846	-0.40574	0.857481	-0.47317	0.636089	0.981636	chr3	47673926	47674164	+	0	NA	intron (N	intron (N	-12351	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr5-3616	7.675846	-0.40574	0.857481	-0.47317	0.636089	0.981636	chr5	36162925	36163524	+	0	NA	intron (N	intron (N	11113	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr2-4846	5.879914	-0.45352	0.958495	-0.47316	0.636098	0.981636	chr2	48468732	48469076	+	0	NA	intron (N	THE1A|LTR	28135	NM_001193	129285	Hs.654619	NM_152994	ENSG00000	PPP1R21	CCDC128|K	protein p	protein-coding
chr2-2327	5.879914	-0.45352	0.958495	-0.47316	0.636098	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	19164	NR_103492	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr9-1122	5.879914	-0.45352	0.958495	-0.47316	0.636098	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	MIRb|SINE	-76026	NM_001282	64420	Hs.494827	NM_022486	ENSG00000	SUSD1	-	sushi dom	protein-coding
chr5-1720	9.956807	-0.36557	0.773367	-0.4727	0.63643	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	-43875	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box anc	protein-coding
chr2-9256	12.63756	0.321422	0.680042	0.47265	0.636463	0.981636	chr2	92564348	92564553	+	0	NA	Intergeni	ALR/Alpha	623317	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chrX-7382	8.63019	-0.37798	0.799749	-0.47263	0.636478	0.981636	chrX	73826279	73826924	+	0	NA	non-codin	non-codin	26152	NR_001564	7503	Hs.529901	NR_001564	ENSG00000	XIST	DXS1089|D	X inactiv	ncRNA
chr12-277	8.202015	-0.38983	0.824846	-0.47261	0.636492	0.981636	chr12	27755551	27755750	+	0	NA	3’ UTR (N	3’ UTR (N	15932	NM_001146	1E+08		NM_001146	ENSG00000	MANSC4	-	MANSC dom	protein-coding
chr11-127	8.555769	-0.38525	0.815289	-0.47253	0.636548	0.981636	chr11	12764339	12765089	+	0	NA	intron (N	MER102b|D	90293	NM_021961	7003	Hs.655331	NM_021961	ENSG00000	TEAD1	AA|NTEF-1	TEA domai	protein-coding
chr2-1772	8.555769	-0.38525	0.815289	-0.47253	0.636548	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-2643	NR_036075	1E+08		NR_036075	ENSG00000	MIR3128	mir-3128	microRNA	ncRNA
chr14-920	8.980272	0.372104	0.787474	0.472529	0.636549	0.981636	chr14	92069611	92070647	+	0	NA	intron (N	L1ME1|LIN	-30070	NM_001321	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr9-1289	8.980272	0.372104	0.787474	0.472529	0.636549	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4572	NM_001100	254295	Hs.709447	NM_174933	ENSG00000	PHYHD1	-	phytanoyl	protein-coding
chr11-779	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr11	77986378	77988372	+	0	NA	intron (N	MIRb|SINE	7293	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding

chr12-641	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr12	64140598	64140842	+	0	NA	intron (N	L1PA2|LIN	81576	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr15-655	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr15	65597848	65598936	+	0	NA	exon (NM_	exon (NM_	12739	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr16-211	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr16	2113327	2114054	+	0	NA	intron (N	intron (N	-6937	NR_106775	1.02E+08		NR_106775	ENSG00000	MIR6511B1	MIR6511B-	microRNA	ncRNA
chr19-498	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr19	49861767	49862202	+	0	NA	intron (N	CpG-14959	-2695	NR_110730	1.02E+08	Hs.710295	NR_110730		PTOV1-AS2	-	PTOV1 ant	ncRNA
chr2-2913	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr2	29137238	29137652	+	0	NA	intron (N	L1PA17|LI	22030	NM_001287	79745	Hs.122927	NM_024692	ENSG00000	CLIP4	RSNL2	CAP-Gly c	protein-coding
chr2-6132	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr2	61328864	61329178	+	0	NA	intron (N	AluSp|SIN	88356	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr2-2016	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	6171	NM_152388	65062	Hs.12319	NM_152388	ENSG00000	TMEM237	ALS2CR4|J	transmemb	protein-coding
chr20-199	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr20	19966247	19968952	+	0	NA	intron (N	intron (N	-49691	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr3-9858	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr3	98585602	98586244	+	0	NA	intron (N	AluY|SINE	7688	NM_000097	1371	Hs.476982	NM_000097	ENSG00000	CPOX	COX|CPO|C	coproporp	protein-coding
chr3-1237	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MER33|DNA	63456	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr6-1005	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-125336	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr7-1390	8.178442	-0.38513	0.815281	-0.47239	0.636651	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSp|SIN	-8421	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr6-9954	8.581193	-0.37917	0.802772	-0.47233	0.636693	0.981636	chr6	99547906	99548190	+	0	NA	intron (N	L2|LINE|L	20612	NM_005190	892	Hs.430646	NM_005190	ENSG00000	CCNC	CycC|SRB1	cyclin C	protein-coding
chr11-742	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr11	74208673	74210162	+	0	NA	intron (N	intron (N	38128	NM_001271	51400	Hs.503251	NM_016147	ENSG00000	PPME1	ABDH19|PM	protein p	protein-coding
chr14-584	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr14	58411579	58412407	+	0	NA	intron (N	intron (N	15249	NM_001304	26520	Hs.440525	NM_012460	ENSG00000	TIMM9	TIM9|TIM9	transloca	protein-coding
chr2-4392	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr2	43925347	43925852	+	0	NA	intron (N	intron (N	70390	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr3-4783	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr3	47832815	47833283	+	0	NA	intron (N	FLAM_C|SI	-16506	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-9986	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr3	99866726	99867643	+	0	NA	intron (N	intron (N	8989	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr4-8458	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr4	8458010	8458415	+	0	NA	intron (N	Tigger2|D	17415	NM_001350	152992	Hs.566191	NM_024950	ENSG00000	TRMT44	C4orf23|M	tRNA meth	protein-coding
chr4-9428	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr4	94282726	94283835	+	0	NA	exon (NM_	exon (NM_	29971	NM_001254	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr6-8546	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr6	85466870	85467789	+	0	NA	intron (N	intron (N	17246	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nucleo	protein-coding
chr8-6160	8.137302	-0.3879	0.821348	-0.47227	0.636731	0.981636	chr8	61600279	61601187	+	0	NA	intron (N	L1M2|LINE	89078	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr1-1931	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	exon (NM_	exon (NM_	5389	NR_031691	1E+08		NR_031691	ENSG00000	MIR1278	MIRN1278|	microRNA	ncRNA
chr11-655	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr11	65538122	65539843	+	0	NA	TTS (NM_0	TTS (NM_0	13899	NM_001048	57410	Hs.238839	NM_020680	ENSG00000	SCYL1	GKLP|HT01	SCY1 like	protein-coding
chr12-214	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr12	21472718	21473513	+	0	NA	intron (N	intron (N	28520	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr13-110	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	1824	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr2-1281	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MB7|LIN	57352	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr3-8694	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr3	86944631	86944830	+	0	NA	3’ UTR (N	3’ UTR (N	46419	NM_001320	389136	Hs.606507	NM_016206	ENSG00000	VGLL3	VGL-3|VGL	vestigial	protein-coding
chr9-1346	8.614475	-0.37487	0.793838	-0.47222	0.63677	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-39677	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chr12-955	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chr12	95504162	95505491	+	0	NA	intron (N	intron (N	30674	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr13-793	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chr13	79369940	79372377	+	0	NA	exon (NM_	exon (NM_	35063	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-921	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chr14	92133693	92133998	+	0	NA	intron (N	intron (N	11876	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr19-525	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chr19	52595943	52596882	+	0	NA	promoter-	promoter-	-272	NR_023311	7696	Hs.373648	NM_003438		ZNF137P	ZNF137|pH	zinc fing	pseudo
chr21-371	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chr21	37126677	37130092	+	0	NA	intron (N	intron (N	45437	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chrX-2489	8.90585	0.367861	0.780273	0.471452	0.637318	0.981636	chrX	2489750	2490422	+	0	NA	exon (NM_	exon (NM_	10453	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr1-2202	8.450402	0.382835	0.812133	0.471394	0.637359	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	13985	NR_001587	6791	Hs.654849	NR_001587		AURKAP1	AURKAPS1|	aurora ki	pseudo
chr16-666	8.450402	0.382835	0.812133	0.471394	0.637359	0.981636	chr16	66609594	66610767	+	0	NA	intron (N	intron (N	5449	NR_037619	123920	Hs.298198	NM_144601	ENSG00000	CMTM3	BNAS2|CKL	CKLF like	protein-coding
chr2-1201	8.450402	0.382835	0.812133	0.471394	0.637359	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1MB7|LIN	67824	NM_024121	79134	Hs.376722	NM_024121	ENSG00000	TMEM185B	FAM11B	transmemb	protein-coding
chr20-377	8.450402	0.382835	0.812133	0.471394	0.637359	0.981636	chr20	37737697	37738645	+	0	NA	intron (N	intron (N	44141	NM_030877	56259	Hs.472667	NM_030877	ENSG00000	CTNNBL1	C20orf33|	catenin b	protein-coding
chr3-3338	8.450402	0.382835	0.812133	0.471394	0.637359	0.981636	chr3	33388973	33390198	+	0	NA	3’ UTR (N	3’ UTR (N	50793	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr15-400	8.104021	-0.39236	0.832348	-0.47138	0.637366	0.981636	chr15	40028351	40029036	+	0	NA	intron (N	intron (N	10488	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr1-1224	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr1	12242282	12244865	+	0	NA	intron (N	AluJr|SIN	13543	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3163	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr1	31630391	31630938	+	0	NA	exon (NM_	exon (NM_	12964	NM_001525	3061	Hs.388226	NM_001525	ENSG00000	HCRTR1	OX1R	hypocreti	protein-coding
chr1-4500	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr1	45005137	45009276	+	0	NA	intron (N	intron (N	4118	NM_024602	79654	Hs.525084	NM_024602	ENSG00000	HECTD3	-	HECT doma	protein-coding
chr1-2112	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	AluJo|SIN	24803	NM_018254	55758	Hs.356399	NM_018254	ENSG00000	RCOR3	-	REST core	protein-coding
chr10-285	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr10	28558719	28558950	+	0	NA	intron (N	intron (N	25716	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr11-129	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	19907	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr12-501	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr12	50140639	50142924	+	0	NA	intron (N	AluSx|SIN	25588	NM_147190	91012	Hs.270525	NM_147190	ENSG00000	CERS5	LASS5|Trh	ceramide	protein-coding
chr12-509	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr12	50994896	50995609	+	0	NA	intron (N	AluSx1|SI	13963	NM_001174	4891	Hs.505545	NM_000617	ENSG00000	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr14-103	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSq|SIN	54493	NM_001128	4140	Hs.35828	NM_002376	ENSG00000	MARK3	CTAK1|KP7	microtubu	protein-coding
chr15-746	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr15	74671157	74671633	+	0	NA	intron (N	intron (N	24629	NM_001142	80153	Hs.96852	NM_025083	ENSG00000	EDC3	LSM16|MRT	enhancer	protein-coding
chr16-672	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr16	67231201	67232391	+	0	NA	exon (NM_	exon (NM_	4666	NR_134524	29100	Hs.433203	NM_014187	ENSG00000	TMEM208	HSPC171	transmemb	protein-coding
chr18-127	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr18	12712712	12713758	+	0	NA	intron (N	L2a|LINE|	10193	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteasom	protein-coding
chr19-343	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr19	34339542	34342920	+	0	NA	intron (N	intron (N	-23509	NM_001184	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr2-7139	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr2	71393491	71394400	+	0	NA	intron (N	HERVK22-i	-59616	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LG	dysferlin	protein-coding
chr6-3019	8.41712	0.379756	0.806137	0.471081	0.637583	0.981636	chr6	30198532	30198915	+	0	NA	exon (NM_	exon (NM_	14683	NM_001242	7726	Hs.485041	NM_003449	ENSG00000	TRIM26	AFP|RNF95	tripartit	protein-coding
chr1-4477	11.3666	-0.32865	0.697689	-0.47106	0.637601	0.981636	chr1	44776550	44780596	+	0	NA	TTS (NR_0	TTS (NR_0	183	NR_001457	94163		NR_001457	ENSG00000	SNORD38B	RNU38B|U3	small nuc	snoRNA
chr7-1287	11.3666	-0.32865	0.697689	-0.47106	0.637601	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	Charlie2a	9024	NM_001708	611	Hs.656404	NM_001708	ENSG00000	OPN1SW	BCP|BOP|C	opsin 1,	protein-coding
chr2-2070	5.913196	-0.44723	0.949434	-0.47105	0.637605	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	intron (N	AluSx1|SI	25182	NR_036227	1E+08		NR_036227	ENSG00000	MIR2355	mir-2355	microRNA	ncRNA
chr13-198	7.716985	-0.40264	0.855126	-0.47086	0.637744	0.981636	chr13	19837167	19837433	+	0	NA	TTS (NM_0	TTS (NM_0	26336	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr13-200	7.716985	-0.40264	0.855126	-0.47086	0.637744	0.981636	chr13	20039885	20040891	+	0	NA	intron (N	L1PA13|LI	-62313	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr3-1868	7.716985	-0.40264	0.855126	-0.47086	0.637744	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	AluSx|SIN	3395	NM_002916	5984	Hs.732098	NM_002916	ENSG00000	RFC4	A1|RFC37	replicati	protein-coding
chr5-1788	9.470852	0.371379	0.788807	0.470811	0.637776	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	Intergeni	AluJb|SIN	-8247	NM_030613	80108	Hs.654533	NM_030613	ENSG00000	ZFP2	ZNF751|zf	ZFP2 zinc	protein-coding
chr5-5454	8.638048	-0.37964	0.807036	-0.47041	0.638064	0.981636	chr5	54548693	54549681	+	0	NA	Intergeni	MIRb|SINE	31428	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting n	protein-coding
chr6-3029	5.238854	0.473112	1.00587	0.470351	0.638104	0.981636	chr6	30295419	30296093	+	0	NA	intron (N	intron (N	30378	NR_052012	414778	Hs.485041	NR_052012	ENSG00000	HCG17	HCG18|LIN	HLA compl	ncRNA
chr1-2256	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	L2|LINE|L	14454	NM_001008	55740	Hs.497893	NM_018212	ENSG00000	ENAH	ENA|MENA|	ENAH acti	protein-coding
chr10-350	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr10	35069827	35070312	+	0	NA	intron (N	MIRc|SINE	4214	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr10-100	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-6866	NR_144759	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr12-781	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr12	78106738	78108293	+	0	NA	intron (N	L1MA4A|LI	252231	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-118	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-12180	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr14-512	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr14	51253070	51254558	+	0	NA	intron (N	intron (N	13567	NM_030755	81542	Hs.125221	NM_030755	ENSG00000	TMX1	PDIA11|TM	thioredox	protein-coding
chr17-725	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr17	7258904	7259230	+	0	NA	TTS (NM_0	TTS (NM_0	3411	NM_001307	1366	Hs.513915	NM_001307	ENSG00000	CLDN7	CEPTRL2|C	claudin 7	protein-coding
chr5-1549	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	20593	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr9-1047	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSq2|SI	7364	NM_015469	25934	Hs.530275	NM_015469	ENSG00000	NIPSNAP3A	HSPC299|N	nipsnap h	protein-coding
chr9-1090	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5900	NM_003798	8727	Hs.58488	NM_003798	ENSG00000	CTNNAL1	ACRP|CLLP	catenin a	protein-coding
chr9-1221	5.428166	-0.47141	1.0024	-0.47028	0.638156	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz6|SI	9810	NM_014222	4702	Hs.495039	NM_014222	ENSG00000	NDUFA8	CI-19KD|C	NADH:ubiq	protein-coding
chr1-3131	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr1	31310266	31313814	+	0	NA	intron (N	MLT1A1|LT	15058	NM_016505	51538	Hs.524094	NM_016505	ENSG00000	ZCCHC17	HSPC251|P	zinc fing	protein-coding
chr1-2312	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	MSTB1|LTR	14754	NM_001300	128061	Hs.743464	NM_152379	ENSG00000	C1orf131	-	chromosom	protein-coding
chr11-458	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr11	45860627	45864462	+	0	NA	intron (N	Tigger4a|	15069	NM_021117	1408	Hs.532491	NM_021117	ENSG00000	CRY2	HCRY2|PHL	cryptochr	protein-coding
chr11-119	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	6015	NM_001290	55823	Hs.234282	NM_021729	ENSG00000	VPS11	END1|HLD1	VPS11 cor	protein-coding
chr12-129	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr12	12981228	12982330	+	0	NA	intron (N	intron (N	1942	NR_038920	1.01E+08	Hs.127718	NR_038920	ENSG00000	GPRC5D-AS	-	GPRC5D an	ncRNA
chr12-533	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr12	53305983	53308265	+	0	NA	TTS (NM_0	TTS (NM_0	7429	NM_021640	60314	Hs.655988	NM_021640	ENSG00000	C12orf10	Gamm1|MST	chromosom	protein-coding
chr12-770	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr12	77036966	77037175	+	0	NA	intron (N	L1ME1|LIN	28499	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr12-120	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-3020	NR_039719	1.01E+08		NR_039719	ENSG00000	MIR4498	mir-4498	microRNA	ncRNA
chr12-123	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	LTR12C|LT	15189	NM_001143	91574	Hs.319128	NM_152269	ENSG00000	C12orf65	COXPD7|SP	chromosom	protein-coding
chr14-102	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MC4|LIN	67227	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr15-434	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr15	43403359	43409990	+	0	NA	3’ UTR (N	3’ UTR (N	35573	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr15-641	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr15	64116894	64133334	+	0	NA	intron (N	intron (N	-26617	NR_073534	79856	Hs.744250	NM_024798	ENSG00000	SNX22	-	sorting n	protein-coding
chr15-722	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr15	72251992	72268660	+	0	NA	intron (N	AluJb|SIN	12228	NM_001323	56965	Hs.270244	NM_020213	ENSG00000	PARP6	ARTD17|PA	poly(ADP-	protein-coding
chr16-211	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr16	21170343	21173233	+	0	NA	intron (N	AluSz|SIN	-12347	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr17-369	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr17	36989186	36989502	+	0	NA	exon (NM_	exon (NM_	40390	NM_012138	26574	Hs.195740	NM_012138	ENSG00000	AATF	BFR2|CHE-	apoptosis	protein-coding
chr17-441	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr17	44194235	44194683	+	0	NA	intron (N	intron (N	3702	NM_001098	56970	Hs.512651	NM_020218	ENSG00000	ATXN7L3	-	ataxin 7	protein-coding
chr17-798	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr17	79832990	79835111	+	0	NA	exon (NM_	exon (NM_	5390	NM_003655	8535	Hs.405046	NM_003655	ENSG00000	CBX4	NBP16|PC2	chromobox	protein-coding
chr19-531	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr19	53178667	53180876	+	0	NA	exon (NM_	exon (NM_	13587	NM_001353	79788	Hs.745230	NM_024733	ENSG00000	ZNF665	ZFP160L	zinc fing	protein-coding
chr2-9627	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr2	96277169	96278151	+	0	NA	exon (NM_	exon (NM_	11435	NM_004804	9391	Hs.12109	NM_004804	ENSG00000	CIAO1	CIA1|WDR3	cytosolic	protein-coding
chr22-420	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr22	42085041	42086923	+	0	NA	3’ UTR (N	3’ UTR (N	4790	NM_002490	4700	Hs.274416	NM_002490	ENSG00000	NDUFA6	B14|CI-B1	NADH:ubiq	protein-coding
chr4-1763	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr4	17632302	17634371	+	0	NA	3’ UTR (N	3’ UTR (N	18695	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr4-5262	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr4	52624856	52626020	+	0	NA	intron (N	intron (N	31101	NM_001134	64854	Hs.7966	NM_022832	ENSG00000	USP46	-	ubiquitin	protein-coding
chr5-1406	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	L2b|LINE|	-7460	NM_017706	54853	Hs.286261	NM_017706	ENSG00000	WDR55	-	WD repeat	protein-coding
chr6-1331	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr6	13318070	13320922	+	0	NA	3’ UTR (N	3’ UTR (N	9041	NM_001318	51256	Hs.484678	NM_016495	ENSG00000	TBC1D7	MGCPH|PIG	TBC1 doma	protein-coding
chr6-3063	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr6	30632992	30634592	+	0	NA	intron (N	GA-rich|L	6918	NM_001031	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr7-6132	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr7	6132091	6133884	+	0	NA	intron (N	L1MEc|LIN	28038	NM_032172	84132	Hs.31856	NM_032172	ENSG00000	USP42	-	ubiquitin	protein-coding
chr7-9897	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr7	98976823	98979548	+	0	NA	intron (N	intron (N	-34980	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-1250	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	46062	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr9-9767	8.913708	0.366151	0.778633	0.470248	0.638178	0.981636	chr9	97672517	97673696	+	0	NA	3’ UTR (N	3’ UTR (N	24303	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr10-829	9.43572	0.358441	0.762667	0.469983	0.638367	0.981636	chr10	829117	829918	+	0	NA	exon (NM_	exon (NM_	102188	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr17-286	9.43572	0.358441	0.762667	0.469983	0.638367	0.981636	chr17	28631073	28632486	+	0	NA	intron (N	GA-rich|L	13379	NM_001321	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr1-4004	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr1	40042576	40045105	+	0	NA	intron (N	AluSz|SIN	2989	NM_001350	10487	Hs.370581	NM_006367	ENSG00000	CAP1	CAP|CAP1-	cyclase a	protein-coding
chr1-5198	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr1	51986341	51987419	+	0	NA	intron (N	intron (N	3820	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr11-102	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr11	10231365	10232500	+	0	NA	intron (N	L1PA4|LIN	62275	NM_030962	81846	Hs.577252	NM_030962	ENSG00000	SBF2	CMT4B2|DE	SET bindi	protein-coding
chr11-438	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr11	43896486	43897523	+	0	NA	promoter-	promoter-	-299	NR_026952	729799	Hs.368920	NR_026952	ENSG00000	SEC14L1P1	-	SEC14 lik	pseudo
chr13-727	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr13	72784511	72785821	+	0	NA	intron (N	MLT1A0|LT	3033	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr15-627	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr15	62715752	62716309	+	0	NA	intron (N	intron (N	68719	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr15-649	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr15	64975731	64976049	+	0	NA	intron (N	L1MB8|LIN	13580	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr17-752	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr17	75218146	75218745	+	0	NA	intron (N	intron (N	12766	NM_024844	79902	Hs.362817	NM_024844	ENSG00000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr18-497	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr18	49783250	49783791	+	0	NA	3’ UTR (N	3’ UTR (N	30013	NM_006111	10449	Hs.200136	NM_006111	ENSG00000	ACAA2	DSAEC	acetyl-Co	protein-coding
chr2-1117	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MB3|LIN	-9916	NR_039929	1.01E+08		NR_039929	ENSG00000	MIR4771-2	-	microRNA	ncRNA
chr22-379	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr22	37922398	37923662	+	0	NA	intron (N	AluSx|SIN	16733	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr3-3341	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr3	33415530	33416854	+	0	NA	intron (N	LTR105_Ma	24186	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr5-1155	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-24105	NR_109875	1.02E+08	Hs.745340	NR_109874		LOC101927	-	uncharact	ncRNA
chr6-3825	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr6	38255243	38256462	+	0	NA	intron (N	L1PA6|LIN	-225744	NR_144472	1.02E+08	Hs.665280	NR_144472	ENSG00000	BTBD9-AS1	-	BTBD9 ant	ncRNA
chr9-1301	5.905338	-0.44506	0.946992	-0.46997	0.638377	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx1|SI	34821	NR_135124	401554	Hs.522437	NR_135124	ENSG00000	GPRACR	LncGPR107	GPR107 ac	ncRNA
chr13-111	7.879393	0.39364	0.837599	0.469962	0.638382	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	27861	NM_001354	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding

chr17-597	7.879393	0.39364	0.837599	0.469962	0.638382	0.981636	chr17	59735854	59736872	+	0	NA	intron (N	AluSx|SIN	28709	NM_001329	81671	Hs.444569	NM_030938	ENSG00000	VMP1	EPG3|TANC	vacuole m	protein-coding
chr5-1396	7.879393	0.39364	0.837599	0.469962	0.638382	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	MSTA|LTR|	-27207	NM_001317	51523	Hs.189119	NM_016463	ENSG00000	CXXC5	CF5|HSPC1	CXXC fing	protein-coding
chr10-103	5.872057	-0.45139	0.96084	-0.46979	0.638505	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	35248	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and F	protein-coding
chr1-1932	9.443578	0.356786	0.759514	0.469756	0.638529	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	-28866	NM_003783	8707	Hs.518834	NM_003783	ENSG00000	B3GALT2	BETA3GALT	beta-1,3-	protein-coding
chr14-730	9.443578	0.356786	0.759514	0.469756	0.638529	0.981636	chr14	73022308	73024487	+	0	NA	intron (N	(TA)n|Sim	3709	NM_021260	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPF	zinc fing	protein-coding
chr15-504	9.443578	0.356786	0.759514	0.469756	0.638529	0.981636	chr15	50495982	50497103	+	0	NA	intron (N	intron (N	50124	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-534	9.443578	0.356786	0.759514	0.469756	0.638529	0.981636	chr16	53470536	53471117	+	0	NA	exon (NM_	exon (NM_	32383	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr19-139	5.469305	-0.46706	0.994502	-0.46964	0.63861	0.981636	chr19	13924033	13924565	+	0	NA	intron (N	AluY|SINE	14118	NM_001370	79883	Hs.448497	NM_024825	ENSG00000	PODNL1	SLRR5B	podocan l	protein-coding
chr2-3259	5.469305	-0.46706	0.994502	-0.46964	0.63861	0.981636	chr2	32590154	32590959	+	0	NA	intron (N	intron (N	-15738	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr22-457	5.469305	-0.46706	0.994502	-0.46964	0.63861	0.981636	chr22	45715348	45715764	+	0	NA	intron (N	MER30|DNA	43722	NM_013236	25814	Hs.475125	NM_013236	ENSG00000	ATXN10	E46L|HUME	ataxin 10	protein-coding
chr4-9833	5.469305	-0.46706	0.994502	-0.46964	0.63861	0.981636	chr4	98330351	98330825	+	0	NA	intron (N	SVA_B|Ret	69204	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr8-1179	5.469305	-0.46706	0.994502	-0.46964	0.63861	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-51487	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr14-676	8.606617	-0.37336	0.79504	-0.46962	0.63863	0.981636	chr14	67677588	67678011	+	0	NA	3’ UTR (N	3’ UTR (N	-3167	NM_006370	10490	Hs.741177	NM_006370	ENSG00000	VTI1B	VTI1|VTI1	vesicle t	protein-coding
chr22-378	8.606617	-0.37336	0.79504	-0.46962	0.63863	0.981636	chr22	37881597	37883667	+	0	NA	intron (N	AluSx|SIN	-23665	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr3-1770	8.606617	-0.37336	0.79504	-0.46962	0.63863	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (N	L1ME3Cz|L	165889	NM_001321	79718	Hs.714201	NM_024665	ENSG00000	TBL1XR1	C21|DC42|	transduci	protein-coding
chr7-7764	8.606617	-0.37336	0.79504	-0.46962	0.63863	0.981636	chr7	77643344	77644493	+	0	NA	Intergeni	Intergeni	52347	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr15-989	8.375981	0.378447	0.807307	0.468777	0.639229	0.981636	chr15	98933291	98933886	+	0	NA	intron (N	AluJb|SIN	72068	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr10-619	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr10	61953576	61954608	+	0	NA	intron (N	AluSp|SIN	52393	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-832	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr11	83270710	83274305	+	0	NA	intron (N	intron (N	13900	NM_001286	60492	Hs.368866	NM_021825	ENSG00000	CCDC90B	MDS011|MD	coiled-co	protein-coding
chr12-504	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr12	50439026	50439660	+	0	NA	intron (N	intron (N	-17228	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr13-198	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr13	19854127	19854473	+	0	NA	intron (N	AluSc|SIN	9336	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr15-424	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr15	42465144	42465447	+	0	NA	intron (N	AluJo|SIN	-7728	NM_001284	64397	Hs.511143	NM_022473	ENSG00000	ZNF106	SH3BP3|ZF	zinc fing	protein-coding
chr17-296	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr17	29688426	29688673	+	0	NA	intron (N	AluSx3|SI	-67126	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr4-1221	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	18265	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr7-6739	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr7	6739838	6740790	+	0	NA	intron (N	intron (N	5009	NR_002217	441194	Hs.715590	NR_002217	ENSG00000	PMS2CL	PMS2P13	PMS2 C-te	pseudo
chr9-1212	8.170584	-0.38349	0.818105	-0.46875	0.639247	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	non-codin	non-codin	836	NR_103560	57000	Hs.522373	NM_020250	ENSG00000	GSN-AS1	C9orf31|M	GSN antis	ncRNA
chr5-1730	8.368123	0.380246	0.811203	0.468744	0.639253	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	TTS (NR_0	TTS (NR_0	895	NR_002988	677841	Hs.692720	NR_002988	ENSG00000	SNORA74B	U19-2	small nuc	snoRNA
chr5-8227	11.32546	-0.33061	0.705439	-0.46866	0.63931	0.981636	chr5	82274435	82277071	+	0	NA	3’ UTR (N	3’ UTR (N	2601	NM_001025	6228	Hs.527193	NM_001025	ENSG00000	RPS23	BTDD|MABA	ribosomal	protein-coding
chr2-2721	5.394884	-0.47819	1.020494	-0.46858	0.639367	0.981636	chr2	27216362	27216657	+	0	NA	promoter-	promoter-	-860	NM_004341	790	Hs.377010	NM_004341	ENSG00000	CAD	CDG1Z|EIE	carbamoyl	protein-coding
chr20-498	7.979238	0.403378	0.861001	0.468499	0.639428	0.981636	chr20	49842750	49842976	+	0	NA	intron (N	MLT1C|LTR	-20996	NR_162136	1.13E+08		NR_162136		MIR12122	-	microRNA	ncRNA
chr1-1493	8.547911	-0.38379	0.81938	-0.46839	0.639504	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	4494	NM_001364	1.01E+08		NM_001364	ENSG00000	NOTCH2NLC	N2N|NOTCH	notch 2 N	protein-coding
chr12-293	9.427862	0.360159	0.769323	0.468151	0.639677	0.981636	chr12	29356223	29356422	+	0	NA	intron (N	intron (N	24850	NM_016570	51290	Hs.339453	NM_016570	ENSG00000	ERGIC2	CDA14|Erv	ERGIC and	protein-coding
chr20-336	9.427862	0.360159	0.769323	0.468151	0.639677	0.981636	chr20	33636706	33637044	+	0	NA	intron (N	intron (N	-25452	NM_080825	128864	Hs.324104	NM_080825	ENSG00000	C20orf144	dJ63M2.6	chromosom	protein-coding
chr6-1508	8.573335	-0.3777	0.806813	-0.46814	0.639683	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx|SIN	24653	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr10-177	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr10	17721616	17723602	+	0	NA	Intergeni	L1PA3|LIN	-29592	NM_001098	653567	Hs.564139	NM_001013	ENSG00000	TMEM236	FAM23A|FA	transmemb	protein-coding
chr13-946	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr13	94619444	94619850	+	0	NA	intron (N	intron (N	17790	NM_180989	160897	Hs.439363	NM_180989	ENSG00000	GPR180	ITR	G protein	protein-coding
chr14-501	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr14	50198188	50199564	+	0	NA	intron (N	intron (N	32702	NM_006939	6655	Hs.291533	NM_006939	ENSG00000	SOS2	NS9|SOS-2	SOS Ras/R	protein-coding
chr14-690	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr14	69083817	69085193	+	0	NA	intron (N	intron (N	68094	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCF	DDB1 and	protein-coding
chr14-737	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr14	73726383	73727511	+	0	NA	exon (NM_	exon (NM_	-12563	NM_006029	9240	Hs.194709	NM_006029	ENSG00000	PNMA1	MA1	PNMA fami	protein-coding
chr17-307	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr17	30770422	30772740	+	0	NA	intron (N	AluSx1|SI	53111	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr17-568	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr17	56897660	56899521	+	0	NA	intron (N	MER106A|D	-7235	NR_037408	1.01E+08		NR_037408	ENSG00000	MIR3614	mir-3614	microRNA	ncRNA
chr2-6104	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr2	61047802	61049883	+	0	NA	3’ UTR (N	3’ UTR (N	-17028	NM_001330	84542	Hs.468653	NM_032506	ENSG00000	KIAA1841	-	KIAA1841	protein-coding
chr2-2307	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-71868	NM_001287	81618	Hs.111577	NM_030926	ENSG00000	ITM2C	BRI3|BRIC	integral	protein-coding
chr5-1284	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	MER11B|LT	90601	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillin	protein-coding
chr6-8725	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr6	87254967	87258255	+	0	NA	exon (NM_	exon (NM_	-65977	NM_001287	57150	Hs.70769	NM_020425	ENSG00000	SMIM8	C6orf162|	small int	protein-coding
chr7-6650	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr7	6650842	6655810	+	0	NA	exon (NM_	exon (NM_	16008	NM_001278	1E+08	Hs.112668	NM_001278	ENSG00000	ZNF316	MZF-3	zinc fing	protein-coding
chr9-1348	8.647756	-0.37072	0.791903	-0.46814	0.639688	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	23875	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr10-619	4.683561	0.495611	1.059526	0.467766	0.639952	0.981636	chr10	61981134	61981869	+	0	NA	intron (N	AluSz6|SI	-67856	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr7-7737	4.683561	0.495611	1.059526	0.467766	0.639952	0.981636	chr7	77375433	77376466	+	0	NA	intron (N	intron (N	-39249	NR_110073	1.02E+08	Hs.547753	NR_110073		LOC101927	-	uncharact	ncRNA
chr9-9600	4.683561	0.495611	1.059526	0.467766	0.639952	0.981636	chr9	96004503	96005168	+	0	NA	intron (N	intron (N	16976	NR_024129	1E+08	Hs.434310	NR_024129	ENSG00000	LINC00092	NCRNA0009	long inte	ncRNA
chr6-3049	11.83591	-0.32064	0.685586	-0.46769	0.640007	0.981636	chr6	30490386	30493890	+	0	NA	intron (N	intron (N	2629	NM_005516	3133	Hs.650174	NM_005516	ENSG00000	HLA-E	HLA-6.2|G	major his	protein-coding
chr16-865	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr16	86502899	86504385	+	0	NA	intron (N	intron (N	5218	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr17-426	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr17	42661508	42664759	+	0	NA	intron (N	intron (N	3849	NM_016437	27175	Hs.279669	NM_016437	ENSG00000	TUBG2	-	tubulin g	protein-coding
chr19-320	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr19	3206209	3208304	+	0	NA	intron (N	intron (N	-17405	NM_021938	60680	Hs.655747	NM_021938	ENSG00000	CELF5	BRUNOL-5|	CUGBP Ela	protein-coding
chr19-144	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr19	14442275	14445335	+	0	NA	intron (N	intron (N	3528	NM_213560	5585	Hs.466044	NM_002741	ENSG00000	PKN1	DBK|PAK-1	protein k	protein-coding
chr2-2273	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	exon (NM_	exon (NM_	22193	NM_024795	79853	Hs.156652	NM_024795	ENSG00000	TM4SF20	PRO994|SI	transmemb	protein-coding
chr7-7646	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr7	76464229	76464880	+	0	NA	intron (N	AluJr|SIN	2899	NM_001102	113878	Hs.187058	NM_020892	ENSG00000	DTX2	RNF58	deltex E3	protein-coding
chr9-1143	8.954848	0.367379	0.785539	0.467677	0.640015	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	11069	NM_001317	80709	Hs.494895	NM_030767	ENSG00000	AKNA	-	AT-hook t	protein-coding
chr1-2850	11.35874	-0.32746	0.700277	-0.46761	0.64006	0.981636	chr1	28506489	28514294	+	0	NA	non-codin	non-codin	1833	NR_004404	26768		NR_004404	ENSG00000	SNORA73B	105A|E1c|	small nuc	snoRNA
chr1-1448	11.35874	-0.32746	0.700277	-0.46761	0.64006	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	3’ UTR (N	3’ UTR (N	173952	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr3-9886	11.35874	-0.32746	0.700277	-0.46761	0.64006	0.981636	chr3	98866597	98867701	+	0	NA	intron (N	L1PA5|LIN	34546	NM_080927	131566	Hs.203691	NM_080927	ENSG00000	DCBLD2	CLCP1|ESD	discoidin	protein-coding
chr4-1511	11.35874	-0.32746	0.700277	-0.46761	0.64006	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	promoter-	promoter-	-292	NR_000007	8944		NR_000007	ENSG00000	SNORD73A	RNU73|RNU	small nuc	snoRNA
chr10-731	8.655614	-0.37225	0.796242	-0.46751	0.640134	0.981636	chr10	73141010	73142329	+	0	NA	intron (N	intron (N	-15462	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr18-872	8.655614	-0.37225	0.796242	-0.46751	0.640134	0.981636	chr18	8726085	8727048	+	0	NA	intron (N	intron (N	9185	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr1-3501	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr1	35010267	35011739	+	0	NA	exon (NM_	exon (NM_	20942	NM_007167	9204	Hs.533986	NM_007167	ENSG00000	ZMYM6	Buster2|M	zinc fing	protein-coding
chr1-1557	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	15044	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-1677	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	65764	NM_024569	9019	Hs.493919	NM_003953	ENSG00000	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr11-703	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr11	70361798	70363501	+	0	NA	intron (N	intron (N	-35857	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr16-892	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr16	89284294	89286328	+	0	NA	exon (NM_	exon (NM_	-10817	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG00000	LOC105371	-	uncharact	ncRNA
chr19-582	9.451436	0.355166	0.759703	0.467507	0.640137	0.981636	chr19	58270602	58276165	+	0	NA	intron (N	intron (N	-5572	NM_021089	7554	Hs.590941	NM_021089	ENSG00000	ZNF8	HF.18|Zfp	zinc fing	protein-coding
chr1-2254	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	L2a|LINE|	13319	NM_002296	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr10-460	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr10	46002453	46005780	+	0	NA	TTS (NM_0	TTS (NM_0	15421	NM_001145	8031	Hs.643658	NM_005437	ENSG00000	NCOA4	ARA70|ELE	nuclear r	protein-coding
chr10-102	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	8487	NM_015062	23082	Hs.533551	NM_015062	ENSG00000	PPRC1	PRC	PPARG rel	protein-coding
chr11-108	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr11	1.09E+08	1.09E+08	+	0	NA	TTS (NM_0	TTS (NM_0	276061	NM_004398	1662	Hs.591931	NM_004398	ENSG00000	DDX10	Dbp4|HRH-	DEAD-box	protein-coding
chr12-557	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr12	55722792	55727207	+	0	NA	TTS (NM_0	TTS (NM_0	2789	NM_001257	967	Hs.445570	NM_001780	ENSG00000	CD63	LAMP-3|ME	CD63 mole	protein-coding
chr12-109	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluY|SINE	8618	NR_133898	83892	Hs.524731	NM_031954	ENSG00000	KCTD10	BTBD28|MS	potassium	protein-coding
chr13-253	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr13	25324757	25329984	+	0	NA	intron (N	intron (N	25745	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUF	nucleopor	protein-coding
chr14-309	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr14	30934154	30935669	+	0	NA	intron (N	intron (N	-45103	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr15-519	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr15	51922178	51923793	+	0	NA	intron (N	intron (N	1135	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr17-401	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr17	40141735	40143035	+	0	NA	intron (N	L2b|LINE|	1848	NM_007359	22794	Hs.743287	NM_007359	ENSG00000	CASC3	BTZ|MLN51	CASC3 exc	protein-coding
chr18-958	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr18	9585615	9589417	+	0	NA	intron (N	AluSz6|SI	27043	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr2-3329	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr2	33299022	33306077	+	0	NA	intron (N	intron (N	-115967	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-3657	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr2	36576475	36585768	+	0	NA	intron (N	AluSq|SIN	17047	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-1139	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MC4|LIN	-13825	NR_148507	440900	Hs.662205	NR_034128	ENSG00000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr2-2025	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSp|SIN	-119485	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr20-176	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr20	17636745	17642383	+	0	NA	intron (N	intron (N	42678	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr20-233	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr20	23364817	23365690	+	0	NA	exon (NM_	exon (NM_	890	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTE	GDNF indu	protein-coding
chr22-403	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr22	40349611	40353110	+	0	NA	intron (N	AluSq2|SI	4860	NR_134256	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr3-6400	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr3	64006026	64016098	+	0	NA	intron (N	intron (N	7040	NR_038286	1.01E+08	Hs.152536	NR_038286	ENSG00000	PSMD6-AS2	-	PSMD6 ant	ncRNA
chr3-1003	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSx|SIN	20937	NM_014820	9868	Hs.227253	NM_014820	ENSG00000	TOMM70	TOMM70A|T	transloca	protein-coding
chr3-1126	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-5915	NR_109779	1.01E+08	Hs.86538	NR_109779		LINC01279	-	long inte	ncRNA
chr3-1291	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	5286	NM_001127	7555	Hs.518249	NM_003418	ENSG00000	CNBP	CNBP1|DM2	CCHC-type	protein-coding
chr3-1680	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	63634	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr5-1672	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr5	16729902	16734239	+	0	NA	intron (N	intron (N	-115012	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-1283	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	Charlie1a	146958	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillin	protein-coding
chr6-4046	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr6	4046243	4053019	+	0	NA	intron (N	intron (N	28331	NM_003913	8899	Hs.159014	NM_003913	ENSG00000	PRPF4B	PR4H|PRP4	pre-mRNA	protein-coding
chr6-8220	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr6	82208533	82219126	+	0	NA	intron (N	intron (N	33915	NM_001300	25998	Hs.306425	NM_015525	ENSG00000	IBTK	BTBD26|BT	inhibitor	protein-coding
chr6-1093	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13004	NM_001346	8763	Hs.520313	NM_006016	ENSG00000	CD164	DFNA66|MG	CD164 mol	protein-coding
chr6-1308	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	35931	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr7-3258	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr7	32580195	32580955	+	0	NA	TTS (NR_0	TTS (NR_0	85086	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-1051	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	89024	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr8-7202	8.639898	-0.36921	0.790353	-0.46714	0.6404	0.981636	chr8	72020983	72039320	+	0	NA	intron (N	MLT1A0|LT	45433	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr1-5235	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr1	52352935	52364074	+	0	NA	intron (N	intron (N	7701	NM_001330	200014	Hs.591451	NM_032449	ENSG00000	CC2D1B	-	coiled-co	protein-coding
chr1-2243	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJb|SIN	22572	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr10-591	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr10	5914333	5925680	+	0	NA	intron (N	L1MC3|LIN	25620	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr11-948	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr11	94869500	94870891	+	0	NA	intron (N	intron (N	101839	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr11-103	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	11782	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr12-559	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr12	55940154	55950033	+	0	NA	intron (N	AluSx1|SI	9085	NM_001351	1606	Hs.524488	NM_001345	ENSG00000	DGKA	DAGK|DAGK	diacylgly	protein-coding
chr14-214	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr14	21487792	21495357	+	0	NA	intron (N	AluY|SINE	14379	NM_001303	9878	Hs.555910	NM_014828	ENSG00000	TOX4	C14orf92|	TOX high	protein-coding
chr14-243	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr14	24301781	24305326	+	0	NA	intron (N	L2c|LINE|	3703	NM_174913	161424	Hs.708040	NM_174913	ENSG00000	NOP9	C14orf21	NOP9 nucl	protein-coding
chr15-250	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr15	25046776	25085742	+	0	NA	intron (N	intron (N	1234	NR_003321	1E+08		NR_003321	ENSG00000	SNORD116-	HBII-85-6	small nuc	snoRNA
chr15-425	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr15	42542000	42545165	+	0	NA	3’ UTR (N	3’ UTR (N	5211	NM_153260	255252	Hs.234681	NM_153260	ENSG00000	LRRC57	-	leucine r	protein-coding
chr15-641	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr15	64133908	64139185	+	0	NA	intron (N	intron (N	-15185	NR_073534	79856	Hs.744250	NM_024798	ENSG00000	SNX22	-	sorting n	protein-coding
chr16-366	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr16	366463	368585	+	0	NA	3’ UTR (N	3’ UTR (N	3014	NM_006428	10573	Hs.513230	NM_006428	ENSG00000	MRPL28	MAAT1|p15	mitochond	protein-coding
chr16-438	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr16	4381349	4383376	+	0	NA	exon (NM_	exon (NM_	10514	NM_138440	114990	Hs.372579	NM_138440	ENSG00000	VASN	SLITL2	vasorin	protein-coding
chr16-219	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr16	21974571	21981245	+	0	NA	intron (N	intron (N	23208	NM_001363	255762	Hs.98244	NM_173806	ENSG00000	PDZD9	C16orf65	PDZ domai	protein-coding
chr16-703	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr16	70360553	70366981	+	0	NA	intron (N	AluY|SINE	16864	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr17-404	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr17	4047999	4053967	+	0	NA	exon (NM_	exon (NM_	73880	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-291	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr17	29114838	29115706	+	0	NA	intron (N	intron (N	25117	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr19-221	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr19	2215034	2216890	+	0	NA	intron (N	intron (N	18187	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr19-491	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr19	49187613	49193792	+	0	NA	exon (NM_	exon (NM_	32910	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr19-522	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr19	52210238	52212269	+	0	NA	intron (N	intron (N	10057	NM_001363	5518	Hs.467192	NM_014225	ENSG00000	PPP2R1A	MRD36|PP2	protein p	protein-coding
chr2-1021	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	MER106A|D	15922	NM_001320	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding

chr20-359	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr20	35913275	35915977	+	0	NA	intron (N	L1M2|LINE	40000	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr3-3801	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr3	38014899	38016837	+	0	NA	intron (N	intron (N	8652	NM_001130	5333	Hs.80776	NM_006225	ENSG00000	PLCD1	NDNC3|PLC	phospholi	protein-coding
chr5-9676	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr5	96762326	96762909	+	0	NA	3’ UTR (N	3’ UTR (N	19015	NR_104285	831	Hs.436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr6-1368	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	THE1D-int	9630	NM_000288	5191	Hs.280932	NM_000288	ENSG00000	PEX7	PBD9B|PTS	peroxisom	protein-coding
chr7-4401	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	44011238	44013779	+	0	NA	intron (N	intron (N	6686	NR_003655	84820	Hs.657028	NM_032734	ENSG00000	POLR2J4	RPB11-phi	RNA polym	pseudo
chr7-6470	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	64706147	64707135	+	0	NA	exon (NM_	exon (NM_	27577	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr7-7410	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	74105007	74113336	+	0	NA	intron (N	MIR3|SINE	15954	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr7-1314	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	90054	NM_001018	5420	Hs.744213	NM_005397	ENSG00000	PODXL	Gp200|PC|	podocalyx	protein-coding
chr7-1390	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	-32244	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr7-1438	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	9587	NM_001206	9747	Hs.735149	NM_014719	ENSG00000	TCAF1	FAM115A	TRPM8 cha	protein-coding
chr9-1519	8.921566	0.364425	0.780629	0.466834	0.640618	0.981636	chr9	15195661	15196662	+	0	NA	intron (N	Tigger1|D	54057	NM_001168	158219	Hs.563630	NM_152574	ENSG00000	TTC39B	C9orf52	tetratric	protein-coding
chr19-125	14.62206	0.290537	0.62237	0.466824	0.640626	0.981636	chr19	12523553	12532858	+	0	NA	intron (N	intron (N	23277	NM_144976	163050	Hs.655615	NM_144976	ENSG00000	ZNF564	-	zinc fing	protein-coding
chr1-2108	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr1	21086881	21087896	+	0	NA	intron (N	AluJb|SIN	23995	NM_003760	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr12-109	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	31292	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr14-921	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr14	92144715	92146901	+	0	NA	intron (N	intron (N	23839	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr15-249	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr15	24997900	24998761	+	0	NA	intron (N	intron (N	11405	NR_001292	338427		NR_001292	ENSG00000	SNORD108	HBII-437	small nuc	snoRNA
chr15-769	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr15	76933686	76934255	+	0	NA	intron (N	MIRb|SINE	2221	NM_002902	5955	Hs.79088	NM_002902	ENSG00000	RCN2	E6BP|ERC-	reticuloc	protein-coding
chr16-670	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr16	67071612	67074532	+	0	NA	intron (N	BLACKJACK	-36869	NM_001320	80262	Hs.513666	NM_025187	ENSG00000	C16orf70	C16orf6|I	chromosom	protein-coding
chr16-719	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr16	71933648	71934614	+	0	NA	intron (N	intron (N	38600	NM_001270	9798	Hs.232194	NM_014761	ENSG00000	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr16-756	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr16	75643265	75644101	+	0	NA	intron (N	intron (N	4004	NM_001130	3735	Hs.3100	NM_005548	ENSG00000	KARS	CMTRIB|DF	lysyl-tRN	protein-coding
chr17-159	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr17	15969880	15971239	+	0	NA	intron (N	intron (N	25642	NM_000676	136	Hs.167046	NM_000676	ENSG00000	ADORA2B	ADORA2	adenosine	protein-coding
chr17-646	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr17	64634343	64636411	+	0	NA	intron (N	L1MB7|LIN	26930	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr19-463	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr19	46379224	46380526	+	0	NA	intron (N	MER105|DN	32788	NM_006247	5536	Hs.654604	NM_006247	ENSG00000	PPP5C	PP5|PPP5|	protein p	protein-coding
chr2-3247	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr2	32475347	32476372	+	0	NA	intron (N	intron (N	-56294	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-6107	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr2	61077442	61078491	+	0	NA	intron (N	Charliela	11757	NM_001330	84542	Hs.468653	NM_032506	ENSG00000	KIAA1841	-	KIAA1841	protein-coding
chr2-1088	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA2|LIN	15212	NM_144978	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-co	protein-coding
chr2-1827	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	25724	NR_073367	54431	Hs.516632	NM_018981	ENSG00000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr20-350	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr20	35053985	35054760	+	0	NA	intron (N	MIRc|SINE	38435	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr21-335	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr21	33512628	33514075	+	0	NA	intron (N	AluSg|SIN	-21628	NM_001320	54943	Hs.458308	NM_017833	ENSG00000	DNAJC28	C21orf55|	DnaJ heat	protein-coding
chr22-409	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr22	40958713	40959964	+	0	NA	intron (N	intron (N	7960	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr22-426	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr22	42605559	42607231	+	0	NA	intron (N	AluJo|SIN	8488	NR_103820	84271	Hs.505802	NM_032311	ENSG00000	POLDIP3	PDIP3|PDI	DNA polym	protein-coding
chr3-2833	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr3	28335753	28337730	+	0	NA	exon (NM_	exon (NM_	-11980	NM_001040	152098	Hs.510635	NM_001040	ENSG00000	ZCWPW2	ZCW2	zinc fing	protein-coding
chr3-4896	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr3	48961733	48963225	+	0	NA	intron (N	intron (N	-27429	NM_177938	54681	Hs.654944	NM_017732	ENSG00000	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr3-1422	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx|SIN	11576	NM_001039	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr3-1720	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	32131	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr4-7316	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr4	73161274	73163066	+	0	NA	intron (N	AluJo|SIN	60887	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr5-3721	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr5	37217972	37219012	+	0	NA	intron (N	MER68|LTR	-30554	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1129	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSp|SIN	16724	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr5-1763	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	-8801	NM_001256	51491	Hs.696283	NM_016391	ENSG00000	NOP16	HSPC111|H	NOP16 nuc	protein-coding
chr6-1283	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	(T)n|Simp	123291	NM_001291	5796	Hs.155919	NM_002844	ENSG00000	PTPRK	R-PTP-kap	protein t	protein-coding
chr6-1366	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSx|SIN	66255	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr8-4779	5.89748	-0.44293	0.949299	-0.46658	0.640797	0.981636	chr8	47796745	47800872	+	0	NA	intron (N	intron (N	-60644	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr11-110	8.383839	0.376606	0.807471	0.466402	0.640928	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	72036	NM_033390	85463	Hs.376289	NM_033390	ENSG00000	ZC3H12C	MCPIP3	zinc fing	protein-coding
chr17-213	8.383839	0.376606	0.807471	0.466402	0.640928	0.981636	chr17	21313333	21313675	+	0	NA	exon (NM_	exon (NM_	25468	NM_002756	5606	Hs.514012	NM_002756	ENSG00000	MAP2K3	MAPKK3|ME	mitogen-a	protein-coding
chr17-426	8.383839	0.376606	0.807471	0.466402	0.640928	0.981636	chr17	42685059	42686115	+	0	NA	intron (N	MIRc|SINE	3056	NM_003632	8506	Hs.408730	NM_003632	ENSG00000	CNTNAP1	CASPR|CHN	contactin	protein-coding
chr20-167	8.383839	0.376606	0.807471	0.466402	0.640928	0.981636	chr20	16740364	16740987	+	0	NA	intron (N	intron (N	-7678	NM_020157	56914	Hs.41119	NM_020157	ENSG00000	OTOR	FDP|MIAL1	otoraplin	protein-coding
chr4-7011	8.383839	0.376606	0.807471	0.466402	0.640928	0.981636	chr4	7011197	7011727	+	0	NA	intron (N	MIRb|SINE	23954	NM_001286	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr17-416	18.23951	-0.26581	0.570118	-0.46624	0.641041	0.981636	chr17	41689500	41692990	+	0	NA	3’ UTR (N	3’ UTR (N	2360	NM_005801	10209	Hs.150580	NM_005801	ENSG00000	EIF1	A121|EIF-	eukaryoti	protein-coding
chr16-581	8.070739	-0.39703	0.851731	-0.46615	0.641111	0.981636	chr16	58194555	58194754	+	0	NA	intron (N	intron (N	3452	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr17-202	13.11658	0.310021	0.665613	0.465767	0.641382	0.981636	chr17	20257566	20258664	+	0	NA	intron (N	intron (N	-63059	NR_023380	348254	Hs.462475	NR_023380		CCDC144CP	CCDC144C	coiled-co	pseudo
chr19-578	11.39988	-0.32549	0.698936	-0.46569	0.641435	0.981636	chr19	57841061	57841512	+	0	NA	exon (NM_	exon (NM_	-8573	NM_032828	84914	Hs.642598	NM_032828	ENSG00000	ZNF587	ZF6	zinc fing	protein-coding
chr6-3283	8.598759	-0.37187	0.799046	-0.4654	0.641647	0.981636	chr6	32834086	32834420	+	0	NA	intron (N	L1MB3|LIN	4517	NM_018833	6891	Hs.502	NM_000544	ENSG00000	TAP2	ABC18|ABC	transport	protein-coding
chr8-1177	8.598759	-0.37187	0.799046	-0.4654	0.641647	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	Intergeni	Intergeni	125417	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr1-1554	7.920532	0.394756	0.848735	0.465111	0.641852	0.981636	chr1	15549196	15549395	+	0	NA	intron (N	L2|LINE|L	7129	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Caj	ncRNA
chr18-318	5.461447	-0.46459	0.999898	-0.46463	0.642193	0.981636	chr18	31848504	31850113	+	0	NA	intron (N	intron (N	-88428	NM_001034	147407	Hs.567708	NM_001034	ENSG00000	SLC25A52	MCART2	solute ca	protein-coding
chr2-8603	5.461447	-0.46459	0.999898	-0.46463	0.642193	0.981636	chr2	86039378	86040347	+	0	NA	intron (N	MIRb|SINE	66024	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr22-503	5.461447	-0.46459	0.999898	-0.46463	0.642193	0.981636	chr22	50388880	50389497	+	0	NA	intron (N	intron (N	-18254	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr1-4667	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr1	46679850	46680757	+	0	NA	intron (N	L1MB7|LIN	6267	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr10-314	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr10	31440342	31441855	+	0	NA	intron (N	L1PA5|LIN	-41343	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-329	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr10	32931576	32936302	+	0	NA	intron (N	L1ME4a|LI	1619	NM_033668	3688	Hs.643813	NM_002211	ENSG00000	ITGB1	CD29|FNRB	integrin	protein-coding
chr10-730	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr10	73063240	73074919	+	0	NA	intron (N	intron (N	27895	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr11-434	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr11	43405703	43408537	+	0	NA	intron (N	intron (N	48200	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-467	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr11	46740783	46742900	+	0	NA	Intergeni	Intergeni	11351	NR_049846	1.01E+08		NR_049846	ENSG00000	MIR5582	-	microRNA	ncRNA
chr11-122	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	3673	NR_029477	406882		NR_029477	ENSG00000	MIRLET7A2	LET7A2|MI	microRNA	ncRNA
chr11-130	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	22884	NM_001301	399979	Hs.444024	NM_014758	ENSG00000	SNX19	CHET8	sorting r	protein-coding
chr13-418	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr13	41815604	41816314	+	0	NA	intron (N	intron (N	145126	NM_001009	23078	Hs.368282	NM_015058	ENSG00000	VWA8	KIAA0564|	von Wille	protein-coding
chr14-601	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr14	60121513	60129138	+	0	NA	intron (N	intron (N	33402	NM_001330	64430	Hs.509499	NM_022495	ENSG00000	PCNX4	C14orf135	pecanex 4	protein-coding
chr16-214	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr16	21455061	21460564	+	0	NA	non-codin	non-codin	-23357	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-751	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr17	75139900	75142108	+	0	NA	intron (N	AluSg4|SI	-9209	NM_001252	30833	Hs.67201	NM_014595	ENSG00000	NT5C	DNT|DNT1|	5’, 3’-nu	protein-coding
chr18-210	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr18	210177	212658	+	0	NA	3’ UTR (N	3’ UTR (N	52860	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr19-198	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr19	19818649	19819906	+	0	NA	intron (N	intron (N	2473	NM_001145	440515	Hs.351906	NM_001099	ENSG00000	ZNF506	-	zinc fing	protein-coding
chr19-526	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr19	52652206	52655413	+	0	NA	intron (N	intron (N	-15418	NM_001277	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr2-3327	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr2	33277970	33286172	+	0	NA	intron (N	(AT)n|Sim	-136445	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1597	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	9509	NM_001282	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr20-509	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr20	50927525	50929178	+	0	NA	intron (N	intron (N	-2633	NR_110009	1.02E+08	Hs.301898	NR_110007	ENSG00000	ADNP-AS1	-	ADNP anti	ncRNA
chr3-9384	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr3	9384577	9394110	+	0	NA	non-codin	non-codin	7280	NR_132781	440944	Hs.598958	NM_001013	ENSG00000	THUMPD3-A	SETD5-AS1	THUMPD3 a	ncRNA
chr3-5032	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr3	50329296	50332292	+	0	NA	intron (N	intron (N	-2556	NM_007275	11334	Hs.517981	NM_007275	ENSG00000	TUSC2	C3orf11|F	tumor sup	protein-coding
chr5-6926	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr5	69262434	69266406	+	0	NA	intron (N	FLAM_A|SI	29534	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr5-1782	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	TTS (NM_0	TTS (NM_0	6684	NM_004499	3182	Hs.591731	NM_004499	ENSG00000	HNRNPAB	ABBP1|HNR	heterogen	protein-coding
chr6-1272	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr6	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	15165	NM_030963	81847	Hs.267120	NM_030963	ENSG00000	RNF146	-	ring fing	protein-coding
chr7-1390	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	-27120	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr8-1723	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr8	17239416	17245070	+	0	NA	intron (N	MER6A|DNA	4215	NM_001322	29883	Hs.587465	NM_013354	ENSG00000	CNOT7	CAF-1|CAF	CCR4-NOT	protein-coding
chr8-1009	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	4423	NM_001135	7534	Hs.492407	NM_003406	ENSG00000	YWHAZ	14-3-3-ze	tyrosine	protein-coding
chr9-2830	8.63204	-0.3677	0.791549	-0.46453	0.642268	0.981636	chr9	2830647	2835262	+	0	NA	intron (N	intron (N	11141	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio R	protein-coding
chr11-778	9.410296	0.353965	0.762082	0.46447	0.642311	0.981636	chr11	77842744	77845748	+	0	NA	intron (N	MLT1A0|LT	3108	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr20-106	9.410296	0.353965	0.762082	0.46447	0.642311	0.981636	chr20	10666850	10669352	+	0	NA	intron (N	(A)n|Simp	5898	NM_000214	182	Hs.224012	NM_000214	ENSG00000	JAG1	AGS|AGS1|	jagged ca	protein-coding
chr5-1772	9.410296	0.353965	0.762082	0.46447	0.642311	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	76389	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-1473	9.410296	0.353965	0.762082	0.46447	0.642311	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	THE1C-int	-98948	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr7-7588	9.410296	0.353965	0.762082	0.46447	0.642311	0.981636	chr7	75881013	75884860	+	0	NA	intron (N	intron (N	3902	NM_001040	57414	Hs.488827	NM_020684	ENSG00000	RHBDD2	NPD007|RH	rhomboid	protein-coding
chr1-2173	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	21734726	21736538	+	0	NA	intron (N	AluSq2|SI	47517	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitin	protein-coding
chr1-1558	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	GA-rich|L	-30042	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr1-1693	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	intron (N	L1M5|LINE	13593	NM_001320	8548	Hs.130746	NM_003666	ENSG00000	BLZF1	GOLGIN-45	basic leu	protein-coding
chr1-1739	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1MC|LINE	23885	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-2056	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	16022	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr1-2199	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	58783	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr11-776	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr11	77673694	77677026	+	0	NA	intron (N	intron (N	-37554	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr12-111	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME1|LIN	-27116	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr15-424	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr15	42419266	42427174	+	0	NA	intron (N	AluJb|SIN	18441	NM_173089	825	Hs.143261	NM_000070	ENSG00000	CAPN3	CANP3|CAN	calpain 3	protein-coding
chr15-727	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr15	72765573	72771680	+	0	NA	intron (N	AluSz|SIN	-14209	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr2-2738	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr2	27383907	27385050	+	0	NA	intron (N	intron (N	-3744	NM_144631	130557	Hs.515872	NM_144631	ENSG00000	ZNF513	HMFT0656|	zinc fing	protein-coding
chr4-7716	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr4	77160588	77166471	+	0	NA	intron (N	intron (N	6322	NM_004354	901	Hs.740456	NM_004354	ENSG00000	CCNG2	-	cyclin G2	protein-coding
chr4-1026	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	126306	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr4-1691	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-96263	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr6-2484	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr6	24842164	24843533	+	0	NA	intron (N	intron (N	34422	NM_015864	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr6-2485	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr6	24858392	24865660	+	0	NA	intron (N	intron (N	15244	NM_015864	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr6-1113	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L1ME2|LIN	83992	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr6-1113	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-94056	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr8-1237	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	15366	NM_144963	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr9-1368	9.418154	0.352333	0.758929	0.46425	0.642468	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	2667	NM_001281	8721	Hs.174050	NM_003792	ENSG00000	EDF1	CFAP280|E	endotheli	protein-coding
chr12-510	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr12	51002779	51003936	+	0	NA	intron (N	AluSx|SIN	5858	NM_001174	4891	Hs.505545	NM_000617	ENSG00000	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr16-272	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr16	27233378	27234307	+	0	NA	intron (N	MER5A1|DN	29867	NM_001145	79831	Hs.145717	NM_024773	ENSG00000	KDM8	JMJD5	lysine de	protein-coding
chr19-578	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr19	57832091	57833838	+	0	NA	intron (N	L1M1|LINE	2665	NM_001204	1E+08	Hs.658251	NM_001204	ENSG00000	ZNF587B	-	zinc fing	protein-coding
chr2-1068	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr2	10682942	10684047	+	0	NA	intron (N	intron (N	6481	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr20-637	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr20	63733282	63734110	+	0	NA	exon (NM_	exon (NM_	-2005	NM_001305	54923	Hs.233220	NM_017806	ENSG00000	LIME1	LIME|dJ58	Lck inter	protein-coding
chr22-264	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr22	26474994	26476485	+	0	NA	intron (N	L1ME2z|LI	3749	NR_073136	89781	Hs.474436	NM_022081	ENSG00000	HPS4	BLOC3S2|H	HPS4 biog	protein-coding
chr5-3140	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr5	31406355	31406722	+	0	NA	intron (N	LFSINE_Ve	125555	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-1297	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	THE1B|LTR	-47119	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1779	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	AluJb|SIN	18455	NR_149047	1E+08	Hs.710582	NR_149047		LOC100128	-	uncharact	ncRNA
chr8-1244	5.93862	-0.43898	0.945838	-0.46412	0.642564	0.981636	chr8	12446766	12448027	+	0	NA	intron (N	intron (N	10383	NR_040091	1.01E+08	Hs.656893	NR_040091		LOC100506	-	uncharact	ncRNA
chr1-3789	5.864199	-0.44933	0.968164	-0.46411	0.64257	0.981636	chr1	37890130	37890812	+	0	NA	intron (N	(ATTTGT)n	-30879	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr11-357	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr11	35726251	35727530	+	0	NA	intron (N	AluJo|SIN	64115	NM_017583	54765	Hs.192103	NM_017583	ENSG00000	TRIM44	AN3|DIPB|	tripartit	protein-coding
chr12-109	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	10977	NM_032300	84260	Hs.410924	NM_032300	ENSG00000	TCHP	TpMs	trichople	protein-coding
chr14-914	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr14	91485771	91486466	+	0	NA	intron (N	intron (N	23586	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding

chr16-310	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr16	31037390	31037714	+	0	NA	intron (N	AluSc|SIN	3994	NM_004604	6810	Hs.83734	NM_004604	ENSG00000	STX4	STX4A|p35	syntaxin	protein-coding
chr17-199	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr17	19950900	19952191	+	0	NA	intron (N	SVA_B|Ret	26283	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr18-269	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr18	2691394	2691837	+	0	NA	intron (N	LTR67B|LT	35728	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr2-1577	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	70088	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr20-135	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr20	1351653	1352527	+	0	NA	intron (N	L1MA3|LIN	-22951	NM_080489	27111	Hs.657015	NM_015685	ENSG00000	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr6-2828	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr6	28283860	28284632	+	0	NA	intron (N	intron (N	2709	NM_032507	84547	Hs.144527	NM_032507	ENSG00000	PGBD1	HUCEP-4|S	piggyBac	protein-coding
chr7-1403	5.213431	0.465375	1.002892	0.464033	0.642624	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluY|SINE	52416	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding
chr15-739	8.424978	0.377794	0.814623	0.463766	0.642816	0.981636	chr15	73949499	73949711	+	0	NA	intron (N	intron (N	-21357	NR_040068	1E+08	Hs.599785	NR_040066	ENSG00000	LOXL1-AS1	-	LOXL1 ant	ncRNA
chr19-240	8.424978	0.377794	0.814623	0.463766	0.642816	0.981636	chr19	24094370	24094933	+	0	NA	intron (N	L1PREC2|L	7464	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr13-113	8.162726	-0.38178	0.824025	-0.46331	0.643142	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	12869	NM_001256	8858	Hs.1011	NM_003891	ENSG00000	PROZ	PZ	protein Z	protein-coding
chr3-1419	8.162726	-0.38178	0.824025	-0.46331	0.643142	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	Tigger18a	35514	NM_001679	483	Hs.477789	NM_001679	ENSG00000	ATP1B3	ATPB-3|CD	ATPase Na	protein-coding
chr9-1141	8.162726	-0.38178	0.824025	-0.46331	0.643142	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-19335	NR_030255	619556		NR_030255	ENSG00000	MIR455	MIRN455|h	microRNA	ncRNA
chr1-2306	8.880427	0.363149	0.783875	0.463274	0.643168	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	(TATT)n|S	33134	NM_007357	22796	Hs.211800	NM_007357	ENSG00000	COG2	CDG2Q|LDL	component	protein-coding
chr14-501	8.880427	0.363149	0.783875	0.463274	0.643168	0.981636	chr14	50160658	50161154	+	0	NA	intron (N	AluJb|SIN	-44334	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr3-1952	8.880427	0.363149	0.783875	0.463274	0.643168	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	MER2|DNA|	-17767	NM_152531	152002	Hs.478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr7-1314	7.576001	-0.42036	0.907425	-0.46324	0.64319	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSx|SIN	83768	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr1-2270	9.459294	0.353553	0.763237	0.463228	0.643201	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	L1MEg|LIN	143702	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr20-381	9.459294	0.353553	0.763237	0.463228	0.643201	0.981636	chr20	38158312	38161842	+	0	NA	intron (N	intron (N	5193	NM_001323	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr22-428	9.459294	0.353553	0.763237	0.463228	0.643201	0.981636	chr22	42840426	42841112	+	0	NA	intron (N	AluJo|SIN	16504	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr9-4716	9.459294	0.353553	0.763237	0.463228	0.643201	0.981636	chr9	4716012	4719834	+	0	NA	intron (N	intron (N	8304	NM_001199	50808	Hs.732022	NM_016282	ENSG00000	AK3	AK3L1|AK6	adenylate	protein-coding
chr1-4596	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr1	45961465	45962246	+	0	NA	intron (N	L1PA5|LIN	97507	NM_001324	23139	Hs.319481	NM_015112	ENSG00000	MAST2	MAST205|M	microtubu	protein-coding
chr1-2199	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-56608	NR_046437	55532	Hs.284450	NM_018713	ENSG00000	SLC30A10	HMDPC|HMN	solute ca	protein-coding
chr10-748	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr10	74838994	74839725	+	0	NA	intron (N	AluSq2|SI	12759	NM_001370	23522	Hs.35758	NM_012330	ENSG00000	KAT6B	GTPTS|MOR	lysine ac	protein-coding
chr14-584	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr14	58418615	58421826	+	0	NA	intron (N	L1MD1|LIN	7022	NM_001304	26520	Hs.440525	NM_012460	ENSG00000	TIMM9	TIM9|TIM9	transloca	protein-coding
chr17-738	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr17	738227	742012	+	0	NA	intron (N	intron (N	7523	NM_024792	79850	Hs.154396	NM_024792	ENSG00000	TLCD3A	CT120|FAM	TLC domai	protein-coding
chr17-756	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr17	75694859	75695463	+	0	NA	intron (N	MER20|DNA	-26298	NM_001321	3691	Hs.632226	NM_000213	ENSG00000	ITGB4	CD104|GP1	integrin	protein-coding
chr19-217	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr19	21752126	21753708	+	0	NA	non-codin	non-codin	2172	NR_024523	641367	Hs.680128	NR_024523	ENSG00000	LOC641367	-	cyclin Y	pseudo
chr2-2638	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr2	26389336	26391586	+	0	NA	non-codin	non-codin	-11459	NM_145038	92749	Hs.393714	NM_145038	ENSG00000	DRC1	C2orf39|C	dynein re	protein-coding
chr2-3056	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr2	30563097	30563750	+	0	NA	intron (N	intron (N	116177	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr2-1328	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-58770	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-1359	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-53223	NM_005915	4175	Hs.444118	NM_005915	ENSG00000	MCM6	MCG40308|	minichrom	protein-coding
chr20-199	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr20	19945893	19946556	+	0	NA	intron (N	intron (N	56658	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr3-1283	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr3	12831518	12832451	+	0	NA	intron (N	intron (N	8466	NM_001007	6161	Hs.265174	NM_000994	ENSG00000	RPL32	L32|PP993	ribosomal	protein-coding
chr3-1415	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MC4a|LI	63446	NM_001303	5922	Hs.98445	NM_006506	ENSG00000	RASA2	GAP1M	RAS p21 p	protein-coding
chr4-4756	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr4	47569295	47569722	+	0	NA	intron (N	intron (N	-83161	NR_107020	1.02E+08		NR_107020	ENSG00000	MIR8053	hsa-mir-8	microRNA	ncRNA
chr4-1683	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-41702	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr5-1491	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	AluJb|SIN	4137	NM_001370	22885	Hs.49688	NM_014945	ENSG00000	ABLIM3	HMFN1661	actin bir	protein-coding
chr7-6705	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	67057583	67058187	+	0	NA	intron (N	L1ME2|LIN	56512	NR_039794	1.01E+08		NR_039794	ENSG00000	MIR4650-2	-	microRNA	ncRNA
chr7-7424	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	74248253	74249648	+	0	NA	intron (N	intron (N	5449	NM_181471	5982	Hs.647062	NM_002914	ENSG00000	RFC2	RFC40	replicati	protein-coding
chr7-9462	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	94622265	94622774	+	0	NA	intron (N	AluSq2|SI	33614	NM_001099	8910	Hs.371199	NM_003919	ENSG00000	SGCE	DYT11|ESC	sarcoglyc	protein-coding
chr7-9826	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	98260345	98261783	+	0	NA	Intergeni	AluSz|SIN	-8832	NM_015395	25851	Hs.592281	NM_015395	ENSG00000	TECPR1	-	tectonin	protein-coding
chr7-1356	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-45364	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr7-1512	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	3829	NR_030407	768213		NR_030407	ENSG00000	MIR671	MIRN671|h	microRNA	ncRNA
chr8-6153	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr8	61533300	61534624	+	0	NA	intron (N	AluSp|SIN	155849	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1426	5.930762	-0.43685	0.943406	-0.46305	0.643328	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	4887	NM_001279	8629	Hs.535903	NM_003724	ENSG00000	JRK	JH8|jerky	Jrk helix	protein-coding
chr2-1332	11.86134	-0.3165	0.683829	-0.46283	0.643485	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MC3|LIN	-58278	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2061	11.86134	-0.3165	0.683829	-0.46283	0.643485	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	promoter-	promoter-	71	NR_002589	26798		NR_002589	ENSG00000	SNORD51	RNU51|U51	small nuc	snoRNA
chr6-5732	11.86134	-0.3165	0.683829	-0.46283	0.643485	0.981636	chr6	57325421	57329898	+	0	NA	intron (N	intron (N	10029	NM_000947	5558	Hs.654580	NM_000947	ENSG00000	PRIM2	PRIM2A|p5	DNA prima	protein-coding
chr13-244	5.946478	-0.44114	0.953153	-0.46282	0.643494	0.981636	chr13	24458086	24458786	+	0	NA	intron (N	AluJb|SIN	54342	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr1-5514	8.540053	-0.38238	0.826423	-0.46269	0.643584	0.981636	chr1	55144798	55145235	+	0	NA	intron (N	L1MB7|LIN	70348	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitir	protein-coding
chr1-1494	9.948024	0.344222	0.743986	0.462673	0.643598	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	41917	NM_001364	1.01E+08		NM_001364	ENSG00000	NOTCH2NLC	N2N|NOTCH	notch 2 N	protein-coding
chr12-489	9.948024	0.344222	0.743986	0.462673	0.643598	0.981636	chr12	48932406	48934224	+	0	NA	Intergeni	Intergeni	-7768	NM_001143	51303	Hs.655103	NM_016594	ENSG00000	FKBP11	FKBP19	FKBP prol	protein-coding
chr17-579	9.948024	0.344222	0.743986	0.462673	0.643598	0.981636	chr17	57978996	57980559	+	0	NA	intron (N	AluSx|SIN	8477	NM_007146	7716	Hs.463569	NM_007146	ENSG00000	VEZF1	DB1|ZNF16	vascular	protein-coding
chr10-149	8.219581	-0.38209	0.825828	-0.46267	0.643599	0.981636	chr10	14912123	14912743	+	0	NA	intron (N	L1MB8|LIN	33533	NM_024670	79723	Hs.554883	NM_024670	ENSG00000	SUV39H2	KMT1B	suppresso	protein-coding
chr2-9311	9.402439	0.355638	0.768739	0.462625	0.643633	0.981636	chr2	93119016	93119691	+	0	NA	Intergeni	ALR/Alpha	1089066	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr20-475	8.211723	-0.38054	0.822654	-0.46258	0.643666	0.981636	chr20	47520782	47521432	+	0	NA	intron (N	HERVIP10F	19220	NM_001174	8202	Hs.592142	NM_006534	ENSG00000	NCOA3	ACTR|AIB-	nuclear r	protein-coding
chr6-1085	8.211723	-0.38054	0.822654	-0.46258	0.643666	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSq2|SI	6999	NM_001455	2309	Hs.220950	NM_001455	ENSG00000	FOXO3	AF6q21|FK	forkhead	protein-coding
chr9-1103	8.211723	-0.38054	0.822654	-0.46258	0.643666	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-29621	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr3-1525	7.341665	0.409016	0.884278	0.462543	0.643692	0.981636	chr3	15253221	15253473	+	0	NA	promoter-	promoter-	-837	NR_046084	1.01E+08	Hs.745026	NR_046084	ENSG00000	SH3BP5-AS	-	SH3BP5 ar	ncRNA
chr1-1726	8.369973	0.39099	0.845623	0.462369	0.643817	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	-56055	NM_001302	356	Hs.2007	NM_000639	ENSG00000	FASLG	ALPS1B|AP	Fas ligar	protein-coding
chr12-533	4.691419	0.492243	1.064643	0.462354	0.643827	0.981636	chr12	53309395	53310468	+	0	NA	intron (N	intron (N	10236	NM_021640	60314	Hs.655988	NM_021640	ENSG00000	C12orf10	Gamm1|MST	chromosom	protein-coding
chr16-164	4.691419	0.492243	1.064643	0.462354	0.643827	0.981636	chr16	1646900	1648694	+	0	NA	intron (N	intron (N	-30482	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr16-716	8.565477	-0.37626	0.813813	-0.46234	0.643838	0.981636	chr16	71681600	71681909	+	0	NA	exon (NM_	exon (NM_	16947	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr6-1309	8.565477	-0.37626	0.813813	-0.46234	0.643838	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	L1PA7|LIN	27682	NM_001350	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr11-573	3.683082	-0.55141	1.192818	-0.46228	0.643882	0.981636	chr11	57333800	57334620	+	0	NA	intron (N	intron (N	1682	NM_003146	6749	Hs.523680	NM_003146	ENSG00000	SSRP1	FACT|FACT	structure	protein-coding
chr1-1800	8.872569	0.36485	0.789271	0.462262	0.643893	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MD3|LIN	96195	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr14-351	8.096163	-0.39069	0.845299	-0.46219	0.643944	0.981636	chr14	35115542	35115872	+	0	NA	intron (N	AluSg|SIN	6835	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr12-121	8.888285	0.361439	0.782227	0.462064	0.644035	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	MLT1C|LTR	18712	NM_001178	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr19-357	8.888285	0.361439	0.782227	0.462064	0.644035	0.981636	chr19	35737129	35738922	+	0	NA	TTS (NM_C	TTS (NM_C	4427	NR_144338	79713	Hs.352548	NM_024660	ENSG00000	IGFLR1	TMEM149	IGF like	protein-coding
chr22-240	8.888285	0.361439	0.782227	0.462064	0.644035	0.981636	chr22	24058140	24058558	+	0	NA	intron (N	intron (N	46979	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr1-1644	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	16443949	16454557	+	0	NA	intron (N	intron (N	8529	NM_018090	55707	Hs.437385	NM_018090	ENSG00000	NECAP2	-	NECAP enc	protein-coding
chr1-5439	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	54397319	54402350	+	0	NA	intron (N	intron (N	6560	NM_001009	23648	Hs.476706	NM_018070	ENSG00000	SSBP3	CSDP|SSDP	single st	protein-coding
chr1-1199	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	MIRc|SINE	-22677	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr1-1500	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	MIRb|SINE	15469	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-2112	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	14909	NM_018254	55758	Hs.356399	NM_018254	ENSG00000	RCOR3	-	REST core	protein-coding
chr1-2112	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	L2c|LINE|	-32998	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr1-2200	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	11321	NM_018060	55699	Hs.262823	NM_018060	ENSG00000	IARS2	CAGSSS|IL	isoleucyl	protein-coding
chr10-296	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr10	29684206	29686459	+	0	NA	intron (N	L1PA15|LI	-50361	NM_021738	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr10-457	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr10	45756374	45760061	+	0	NA	intron (N	L1MC4|LIN	30951	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr11-344	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr11	34449246	34459725	+	0	NA	intron (N	intron (N	15551	NM_001752	847	Hs.502302	NM_001752	ENSG00000	CAT	-	catalase	protein-coding
chr11-613	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr11	61305285	61325990	+	0	NA	intron (N	intron (N	-17545	NM_001351	26007	Hs.6278	NM_015533	ENSG00000	TKFC	DAK|NET45	triokinas	protein-coding
chr11-687	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr11	68769788	68776743	+	0	NA	exon (NM_	exon (NM_	-21745	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr12-561	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr12	56130393	56142164	+	0	NA	intron (N	L2c|LINE|	8076	NM_001184	23344	Hs.632729	NM_015292	ENSG00000	ESYT1	FAM62A|ME	extended	protein-coding
chr12-571	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr12	57175346	57213855	+	0	NA	promoter-	promoter-	96	NR_031597	1E+08		NR_031597	ENSG00000	MIR1228	MIRN1228|	microRNA	ncRNA
chr14-583	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr14	58319594	58322367	+	0	NA	intron (N	L1MC4|LIN	22425	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr15-414	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr15	41474237	41483279	+	0	NA	intron (N	intron (N	-15116	NM_002220	3706	Hs.2722	NM_002220	ENSG00000	ITPKA	IP3-3KA|I	inositol-	protein-coding
chr15-762	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr15	76261935	76275146	+	0	NA	intron (N	HERVK14-i	-8388	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr16-585	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr16	58580098	58584631	+	0	NA	intron (N	AluJo|SIN	-22433	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNC	small nuc	snoRNA
chr17-766	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr17	7668671	7675993	+	0	NA	intron (N	AluSx1|SI	2912	NM_001276	7157	Hs.437460	NM_000546	ENSG00000	TP53	BCC7|BMFS	tumor pro	protein-coding
chr17-434	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr17	43489692	43505585	+	0	NA	intron (N	AluJo|SIN	13663	NM_001322	1659	Hs.463105	NM_004941	ENSG00000	DHX8	DDX8|Dhr2	DEAH-box	protein-coding
chr2-6130	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr2	61308778	61310583	+	0	NA	intron (N	intron (N	107697	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr20-436	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr20	436669	442271	+	0	NA	intron (N	intron (N	23063	NR_111901	128637	Hs.590876	NM_144628	ENSG00000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr22-303	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr22	30334209	30347183	+	0	NA	exon (NM_	exon (NM_	-13755	NM_001204	83874	Hs.655273	NM_031937	ENSG00000	TBC1D10A	EPI64|TBC	TBC1 doma	protein-coding
chr3-5387	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr3	53870257	53880142	+	0	NA	intron (N	intron (N	6953	NM_022899	93973	Hs.412186	NM_022899	ENSG00000	ACTR8	ARP8|INO8	actin rel	protein-coding
chr3-1963	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-23594	NR_037950	1.01E+08	Hs.733180	NR_037950		TM4SF19-T	-	TM4SF19-T	ncRNA
chr5-1379	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr5	13790065	13792093	+	0	NA	intron (N	L1PA14|LI	153401	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-9551	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr5	95512467	95514161	+	0	NA	intron (N	AluJr4|SI	41691	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1087	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	MER9a3|LT	35603	NR_146155	2241	Hs.107418	NM_005246	ENSG00000	FER	PPP1R74|T	FER tyros	protein-coding
chr5-1739	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	-37518	NM_001144	133491	Hs.131469	NM_001144	ENSG00000	C5orf47	-	chromosom	protein-coding
chr6-7229	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr6	7229022	7229741	+	0	NA	exon (NM_	exon (NM_	83818	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-7075	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr6	70756728	70757478	+	0	NA	intron (N	L1PA2|LIN	88573	NM_001281	60682	Hs.485717	NM_021940	ENSG00000	SMAP1	SMAP-1	small Arf	protein-coding
chr8-4150	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr8	41509513	41510017	+	0	NA	non-codin	non-codin	19153	NM_001362	51125	Hs.654773	NM_016099	ENSG00000	GOLGA7	GCP16|GOL	golgin A7	protein-coding
chr9-5434	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr9	5434434	5434978	+	0	NA	intron (N	SVA_A|Ret	3219	NM_018465	55848	Hs.584242	NM_018465	ENSG00000	PLGRKT	AD025|C9o	plasminog	protein-coding
chr9-1116	9.426012	0.350713	0.759117	0.462001	0.64408	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	6606	NM_001017	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chr11-947	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr11	94799822	94801088	+	0	NA	intron (N	intron (N	32099	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr12-121	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	promoter-	promoter-	42	NM_001178	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr16-306	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr16	30655183	30656054	+	0	NA	intron (N	intron (N	-2813	NM_001105	64319	Hs.247186	NM_022452	ENSG00000	FBRS	FBS|FBS1	fibrosin	protein-coding
chr3-1129	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr3	11298807	11299137	+	0	NA	intron (N	intron (N	26575	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr4-5703	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr4	57035878	57036411	+	0	NA	intron (N	L1ME3Cz|L	57248	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RP	RNA polym	protein-coding
chr5-6754	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr5	6754593	6754933	+	0	NA	exon (NM_	exon (NM_	-41117	NR_146281	1.1E+08	Hs.582455	NR_146281	ENSG00000	LINC02236	-	long inte	ncRNA
chr6-7564	8.391697	0.374686	0.811698	0.461608	0.644363	0.981636	chr6	75648749	75649334	+	0	NA	intron (N	AluSz6|SI	47161	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSP	SUMO spec	protein-coding
chr1-2343	7.953814	0.397908	0.862198	0.461505	0.644437	0.981636	chr1	23438784	23439204	+	0	NA	intron (N	intron (N	-14246	NM_003196	6920	Hs.446354	NM_003196	ENSG00000	TCEA3	TFIIS|TFI	transcrip	protein-coding
chr14-738	9.955882	0.342664	0.742653	0.461406	0.644508	0.981636	chr14	73897135	73899164	+	0	NA	exon (NM_	exon (NM_	11290	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding
chr10-956	11.85348	-0.31537	0.683613	-0.46133	0.644563	0.981636	chr10	95649965	95653312	+	0	NA	intron (N	MSTA|LTR|	5073	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr14-391	11.85348	-0.31537	0.683613	-0.46133	0.644563	0.981636	chr14	39176920	39185055	+	0	NA	exon (NM_	exon (NM_	5733	NM_002687	5411	Hs.409965	NM_002687	ENSG00000	PNN	DRS|DRSP|	pinin, de	protein-coding
chr19-362	11.85348	-0.31537	0.683613	-0.46133	0.644563	0.981636	chr19	36226166	36238457	+	0	NA	intron (N	intron (N	13617	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr22-205	11.85348	-0.31537	0.683613	-0.46133	0.644563	0.981636	chr22	20528003	20528859	+	0	NA	intron (N	MER1B|DNA	20384	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr1-1457	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	52195	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr16-751	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr16	75162422	75163888	+	0	NA	intron (N	AluSg|SIN	14104	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr17-407	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr17	4079158	4081454	+	0	NA	intron (N	intron (N	62724	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-395	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr17	39500349	39502115	+	0	NA	intron (N	(T)n|Simp	39746	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr17-503	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr17	50356275	50359039	+	0	NA	intron (N	AluSc|SIN	11531	NR_110010	64132	Hs.463416	NM_022167	ENSG00000	XYLT2	PXYLT2|SC	xylosyltr	protein-coding
chr19-447	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr19	4475555	4477863	+	0	NA	intron (N	intron (N	2755	NM_001348	84717	Hs.43071	NM_032631	ENSG00000	HDGFL2	HDGF-2|HD	HDGF like	protein-coding

chr19-211	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr19	21180522	21180769	+	0	NA	intron (	L1MB2|LIN	38605	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr19-422	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr19	42287649	42291154	+	0	NA	exon (NM_	exon (NM_	4736	NM_015125	23152	Hs.388236	NM_015125	ENSG00000	CIC	MRD45	capicua t	protein-coding
chr4-3208	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr4	3208815	3210758	+	0	NA	intron (	intron (	-34583	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr5-1389	8.929424	0.362651	0.786361	0.461177	0.644672	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (	intron (	50370	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr13-772	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr13	77220849	77221369	+	0	NA	intron (	intron (	105985	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr14-102	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	54432	NM_001348	122416	Hs.432945	NM_152326	ENSG00000	ANKRD9	-	ankyrin r	protein-coding
chr3-3908	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr3	39085849	39086873	+	0	NA	non-codir	non-codir	21266	NM_001278	64689	Hs.721946	NM_031899	ENSG00000	GORASP1	GOLPH5|GR	golgi rea	protein-coding
chr5-7043	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr5	70431093	70431999	+	0	NA	intron (	Tigger1|D	16172	NM_001515	2966	Hs.191356	NM_001515	ENSG00000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr6-5300	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr6	53007289	53009675	+	0	NA	intron (	AluSz|SIN	12862	NR_001445	125050		NR_001445	ENSG00000	RN7SK	7SK	RNA compo	snRNA
chr6-1522	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (	intron (	-15763	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr7-6700	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chr7	67003712	67004563	+	0	NA	intron (	MER65A|LT	7304	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chrX-4508	5.221289	0.462452	1.002854	0.461136	0.644701	0.981636	chrX	45084710	45086032	+	0	NA	intron (	Tigger5b|	115505	NM_176819	79742	Hs.98321	NM_024689	ENSG00000	DIPK2B	4930578C1	divergent	protein-coding
chr10-776	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr10	7769332	7769844	+	0	NA	intron (	intron (	18405	NM_012311	22944	Hs.397918	NM_012311	ENSG00000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-167	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr10	16762825	16763512	+	0	NA	intron (	intron (	54256	NM_012425	6251	Hs.524161	NM_012425	ENSG00000	RSU1	RSP-1	Ras suppr	protein-coding
chr12-106	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (	L1PA3|LIN	13777	NM_001160	55703	Hs.62696	NM_018082	ENSG00000	POLR3B	C128|HLD8	RNA polym	protein-coding
chr13-771	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr13	77186896	77187954	+	0	NA	intron (	intron (	111911	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr16-281	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr16	28171719	28173504	+	0	NA	intron (	intron (	39354	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANE	exportin	protein-coding
chr16-696	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr16	69698206	69699945	+	0	NA	3’ UTR (	3’ UTR (	9600	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr2-4228	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr2	42286386	42287401	+	0	NA	intron (	intron (	73145	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-2381	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (	AluSq2|SI	12222	NM_001291	151176	Hs.24951	NM_152521	ENSG00000	ERFE	C1QTNF15|	erythrofe	protein-coding
chr3-1336	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (	intron (	43111	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr3-1841	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (	AluSz|SIN	3038	NM_003907	8893	Hs.283551	NM_003907	ENSG00000	EIF2B5	CACH|CLE|	eukaryoti	protein-coding
chr4-1820	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr4	1820692	1820988	+	0	NA	intron (	AluSx1|SI	27528	NM_001163	2261	Hs.1420	NM_000142	ENSG00000	FGFR3	ACH|CD333	fibroblas	protein-coding
chr6-1825	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr6	18253331	18254220	+	0	NA	intron (	AluJo|SIN	10755	NM_001134	7913	Hs.484813	NM_003472	ENSG00000	DEK	D6S231E	DEK proto	protein-coding
chr6-5656	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr6	56568204	56568741	+	0	NA	exon (NM_	exon (NM_	74417	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr7-1438	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (	L2a|LINE|	3865	NM_001363	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chr8-5621	5.889622	-0.44081	0.956519	-0.46085	0.644908	0.981636	chr8	56218238	56219019	+	0	NA	non-codir	non-codir	6839	NM_001011	79145	Hs.436913	NM_024300	ENSG00000	CHCHD7	COX23	coiled-co	protein-coding
chr14-526	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr14	52645285	52646363	+	0	NA	intron (	AluSx|SIN	49734	NM_014584	30001	Hs.525339	NM_014584	ENSG00000	ERO1A	ERO1-L|EF	endoplasm	protein-coding
chr15-596	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr15	59637962	59639112	+	0	NA	3’ UTR (	3’ UTR (	18768	NM_001320	2958	Hs.512934	NM_004492	ENSG00000	GTF2A2	HsT18745|	general t	protein-coding
chr15-756	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr15	75679685	75683254	+	0	NA	intron (	intron (	31379	NM_001897	1464	Hs.513044	NM_001897	ENSG00000	CSPG4	HMW-MAA|M	chondroit	protein-coding
chr19-131	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr19	13136542	13137492	+	0	NA	intron (	intron (	13358	NM_001271	8677	Hs.43812	NM_003765	ENSG00000	STX10	SYN10|hsy	syntaxin	protein-coding
chr2-1213	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	3’ UTR (	3’ UTR (	-55323	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBF	transcrip	protein-coding
chr2-1330	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	AluY|SINE	-174528	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr6-9953	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr6	99531651	99532545	+	0	NA	3’ UTR (	3’ UTR (	11104	NM_001195	1E+08	Hs.634506	NM_001195	ENSG00000	TSTD3	-	thiosulfa	protein-coding
chr7-3255	8.67318	-0.36507	0.792413	-0.46071	0.645005	0.981636	chr7	32554518	32554953	+	0	NA	intron (	intron (	59246	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr9-1124	5.25457	0.467288	1.014813	0.460468	0.645181	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (	MER75B|DN	40726	NM_032303	84263	Hs.59486	NM_032303	ENSG00000	HSDL2	C9orf99|S	hydroxyst	protein-coding
chr1-4497	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr1	44976421	44978350	+	0	NA	intron (	L1ME2|LIN	9210	NM_020365	8891	Hs.533549	NM_020365	ENSG00000	EIF2B3	EIF-2B|EI	eukaryoti	protein-coding
chr15-572	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr15	57252855	57255069	+	0	NA	intron (	intron (	24695	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr17-313	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr17	31326170	31327781	+	0	NA	intron (	AluSx1|SI	-5353	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr2-6646	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr2	66463972	66465363	+	0	NA	intron (	intron (	-24337	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-1332	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-54270	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr20-573	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr20	57358674	57358873	+	0	NA	3’ UTR (	3’ UTR (	725	NM_001190	1E+08		NM_001190	ENSG00000	MTRNR2L3	HN3	MT-RNR2 l	protein-coding
chr5-1441	8.624182	-0.36618	0.795537	-0.46029	0.645308	0.981636	chr5	1.44E+08	1.44E+08	+	0	NA	intron (	MamRTE1|L	2625	NM_001271	81555	Hs.372050	NM_030799	ENSG00000	YIPF5	FinGER5|S	Yip1 doma	protein-coding
chr16-719	8.681038	-0.36657	0.796753	-0.46008	0.64546	0.981636	chr16	71918131	71919076	+	0	NA	intron (	AluSx3|SI	23072	NM_001270	9798	Hs.232194	NM_014761	ENSG00000	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr14-506	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr14	50638915	50642482	+	0	NA	intron (	intron (	27608	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr14-607	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr14	60716079	60718005	+	0	NA	intron (	intron (	7309	NM_017420	51804	Hs.97849	NM_017420	ENSG00000	SIX4	AREC3	SIX homeo	protein-coding
chr18-686	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr18	68696216	68698239	+	0	NA	exon (NM_	exon (NM_	17881	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr2-2267	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (	intron (	17620	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr22-243	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr22	24364924	24365382	+	0	NA	intron (	AluSz|SIN	23045	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-1226	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (	L2b|LINE|	14220	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr3-1977	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	exon (NM_	exon (NM_	-9326	NM_001363	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-1282	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	3’ UTR (	3’ UTR (	16656	NM_006320	10424	Hs.507910	NM_006320	ENSG00000	PGRMC2	DG6|PMBP	progester	protein-coding
chr5-3616	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr5	36164593	36165156	+	0	NA	intron (	L1MA9|LIN	12763	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr5-5542	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr5	55422642	55424519	+	0	NA	intron (	L2a|LINE|	85346	NR_049869	1.01E+08		NR_049869	ENSG00000	MIR5687	-	microRNA	ncRNA
chr5-1135	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (	L1PA11|LI	54851	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr9-5726	8.665322	-0.36358	0.790862	-0.45972	0.645716	0.981636	chr9	5726572	5728311	+	0	NA	intron (	L1PA5|LIN	98322	NM_001206	57589	Hs.211520	NM_020829	ENSG00000	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr8-1332	8.962706	0.365593	0.795303	0.45969	0.645739	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (	MIR3|SINE	13343	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr1-3757	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr1	37577134	37578267	+	0	NA	intron (	HAL1|LINE	18237	NM_013285	29889	Hs.75528	NM_013285	ENSG00000	GNL2	HUMAUANTI	G protein	protein-coding
chr1-7769	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr1	77698859	77700388	+	0	NA	intron (	L1PA10|LI	-16196	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1563	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	Intergeni	AluSp|SIN	-4171	NM_001004	391104	Hs.532378	NM_001004	ENSG00000	VHLL	VHLP|VLP	VHL like	protein-coding
chr10-499	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr10	49963573	49964109	+	0	NA	intron (	AluSx1|SI	9629	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr10-730	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr10	73058303	73060821	+	0	NA	intron (	AluY|SINE	37412	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr10-934	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr10	93422375	93423485	+	0	NA	intron (	intron (	59404	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-996	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr10	99668351	99673345	+	0	NA	intron (	AluJb|SIN	11219	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr10-127	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (	L1PA8|LIN	68117	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr11-106	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr11	10650486	10651043	+	0	NA	intron (	intron (	1537	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr11-116	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	-24297	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr12-928	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr12	92829241	92830192	+	0	NA	intron (	AluSx|SIN	93227	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-112	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-89203	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-451	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr13	45184321	45186204	+	0	NA	intron (	intron (	15783	NM_198404	386618	Hs.23406	NM_198404	ENSG00000	KCTD4	bA321C24.	potassium	protein-coding
chr14-351	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr14	35104373	35105297	+	0	NA	intron (	AluSx1|SI	17707	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr14-584	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr14	58461059	58462062	+	0	NA	intron (	AluJb|SIN	21879	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr14-677	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr14	67763418	67763761	+	0	NA	intron (	Tigger3a|	53001	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-899	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr14	89967681	89968513	+	0	NA	intron (	intron (	12170	NM_018319	55775	Hs.209945	NM_018319	ENSG00000	TDP1	-	tyrosyl-D	protein-coding
chr14-100	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	-4079	NR_003229	767561		NR_003229	ENSG00000	SNORD113-	14q(I-1)	small nuc	snoRNA
chr15-228	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr15	22867793	22868365	+	0	NA	3’ UTR (	3’ UTR (	29438	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr15-431	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr15	43174683	43177812	+	0	NA	intron (	L1PA3|LIN	-9156	NR_027514	23582	Hs.36794	NM_012142	ENSG00000	CCNDBP1	DIP1|GCIP	cyclin D1	protein-coding
chr15-505	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr15	50565755	50567367	+	0	NA	intron (	AluSc|SIN	-19895	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr15-603	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr15	60366154	60366938	+	0	NA	intron (	SVA_E|Ret	31440	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr16-676	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr16	67624925	67625455	+	0	NA	intron (	AluSx|SIN	-19954	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr17-450	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr17	45070809	45072567	+	0	NA	intron (	intron (	10371	NM_021079	4836	Hs.532790	NM_021079	ENSG00000	NMT1	NMT	N-myristo	protein-coding
chr17-620	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr17	62044053	62044971	+	0	NA	intron (	intron (	20766	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr17-646	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr17	64604364	64605655	+	0	NA	intron (	intron (	57298	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr2-6294	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	62943319	62944233	+	0	NA	intron (	intron (	103935	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr2-1112	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (	MER52C|LT	95341	NM_138626	10018	Hs.469658	NM_006538	ENSG00000	BCL2L11	BAM|BIM|B	BCL2 like	protein-coding
chr2-1178	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (	L1PA5|LIN	-5384	NR_158150	1.08E+08		NR_158150		LOC107985	-	uncharact	ncRNA
chr2-1179	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (	L1PA4|LIN	86326	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr2-1281	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	AluSx3|SI	28176	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr2-1357	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-37378	NR_045486	1.01E+08	Hs.662020	NR_045486	ENSG00000	LOC100507	-	uncharact	ncRNA
chr2-1906	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (	intron (	26794	NM_001321	4664	Hs.107474	NM_005966	ENSG00000	NAB1	-	NGFI-A bi	protein-coding
chr2-2381	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (	MER5B|DNA	15072	NM_001291	151176	Hs.24951	NM_152521	ENSG00000	ERFE	C1QTNF15|	erythrofe	protein-coding
chr21-290	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr21	29048598	29051481	+	0	NA	intron (	intron (	23609	NM_006585	10694	Hs.125113	NM_006585	ENSG00000	CCT8	C21orf112	chaperoni	protein-coding
chr3-3823	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr3	38230548	38232639	+	0	NA	intron (	L2a|LINE|	-34219	NM_004256	9390	Hs.225941	NM_004256	ENSG00000	SLC22A13	OAT10|OCT	solute ca	protein-coding
chr3-4360	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr3	43602051	43604959	+	0	NA	intron (	HAL1|LINE	18421	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr3-1017	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (	AluSx1|SI	5443	NM_024548	79598	Hs.444135	NM_024548	ENSG00000	CEP97	2810403B0	centrosom	protein-coding
chr4-6882	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr4	6882027	6883668	+	0	NA	3’ UTR (	3’ UTR (	-26597	NM_001113	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr5-3730	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr5	37308326	37309291	+	0	NA	intron (	AluSx|SIN	-59380	NM_023073	65250	Hs.586199	NM_023073	ENSG00000	CPLANE1	C5orf42|H	ciliogene	protein-coding
chr5-6617	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr5	66171952	66173783	+	0	NA	intron (	AluSx|SIN	28032	NM_139168	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SR	splicing	protein-coding
chr5-1031	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (	intron (	66566	NM_001345	23262	Hs.212046	NM_015216	ENSG00000	PPIP5K2	CFAP160|D	diphospho	protein-coding
chr5-1461	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (	intron (	-23625	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr6-4303	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr6	43034574	43034909	+	0	NA	Intergeni	AluSp|SIN	13118	NM_033112	88745	Hs.309231	NM_033112	ENSG00000	RRP36	C6orf153|	ribosomal	protein-coding
chr6-1548	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (	intron (	-29150	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr6-1580	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	48321	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-3957	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr7	39571971	39574382	+	0	NA	TTS (NM_0	TTS (NM_0	6772	NM_001282	57002	Hs.72168	NM_020192	ENSG00000	YAE1	C7orf36|C	YAE1 matu	protein-coding
chr7-5601	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr7	56014718	56015946	+	0	NA	intron (	intron (	36112	NM_001370	5723	Hs.512656	NM_004577	ENSG00000	PSPH	PSP|PSPHD	phosphose	protein-coding
chr7-8413	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr7	84133449	84135310	+	0	NA	intron (	MER58A|DN	60410	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-1514	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (	intron (	32139	NM_005614	6009	Hs.283521	NM_005614	ENSG00000	RHEB	RHEB2	Ras homol	protein-coding
chr9-1908	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr9	19085518	19086921	+	0	NA	intron (	AluSx|SIN	16685	NM_017645	54801	Hs.533468	NM_017645	ENSG00000	HAUS6	Dgt6|FAM2	HAUS augm	protein-coding
chr9-9215	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr9	92155315	92158914	+	0	NA	intron (	intron (	15647	NR_027341	158314	Hs.149940	NR_027341		LINC00475	C9orf44	long inte	ncRNA
chr9-1230	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (	L1M5|LINE	16951	NR_030331	693185		NR_030331	ENSG00000	MIR600	MIRN600|h	microRNA	ncRNA
chrX-1197	5.922904	-0.4347	0.9457	-0.45966	0.645763	0.981636	chrX	1.2E+08	1.2E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1694	NR_002584	26779	Hs.675255	NR_002584	ENSG00000	SNORA69	RNU69|U69	small nuc	snoRNA
chr1-1539	9.932308	0.347526	0.756227	0.459553	0.645837	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-2407	NM_014856	9909	Hs.744878	NM_014856	ENSG00000	DENND4B	KIAA0476	DENN doma	protein-coding
chr1-7728	5.420308	-0.46873	1.020363	-0.45938	0.645964	0.981636	chr1	77289062	77289369	+	0	NA	intron (	intron (	6128	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr1-1536	8.899842	0.380191	0.827873	0.459239	0.646063	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (	intron (	1551	NM_001024	6284	Hs.516505	NM_005979	ENSG00000	S100A13	-	S100 calc	protein-coding
chr15-632	8.864711	0.366575	0.798719	0.458953	0.646268	0.981636	chr15	63263318	63263967	+	0	NA	3’ UTR (	3’ UTR (	-13908	NM_001145	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr1-1008	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	3994	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr12-111	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	-15123	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr12-115	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	151977	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr16-898	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr16	89894862	89895519	+	0	NA	intron (	intron (	21598	NM_014972	22980	Hs.415342	NM_014972	ENSG00000	TCF25	FKSG26|Hu	transcrip	protein-coding
chr17-488	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr17	48895577	48896215	+	0	NA	TTS (NM_0	TTS (NM_0	3109	NM_005175	516	Hs.80986	NM_005175	ENSG00000	ATP5MC1	ATP5A|ATP	ATP synth	protein-coding
chr17-784	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr17	78419627	78420357	+	0	NA	intron (	intron (	41343	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr19-496	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr19	49697242	49697772	+	0	NA	intron (	intron (	6391	NR_108072	126129	Hs.112195	NM_152359	ENSG00000	CPT1C	CATL1|CPT	carnitine	protein-coding
chr2-6396	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr2	63961980	63962352	+	0	NA	exon (NM_	exon (NM_	57262	NM_016516	51542	Hs.48499	NM_016516	ENSG00000	VPS54	HCC8|PPP1	VPS54 sub	protein-coding

chr2-1994	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr2	1.99E+08	1.99E+08	+	0	NA	exon (NM_	exon (NM_	24513	NR_134967	23314	Hs.516617	NM_015265	ENSG00000	SATB2	GLSS	SATB home	protein-coding
chr20-373	8.896143	0.359689	0.784231	0.458651	0.646485	0.981636	chr20	37365585	37366327	+	0	NA	intron (N	L1ME4b|LI	19828	NM_198291	6714	Hs.195659	NM_005417	ENSG00000	SRC	ASV|SRC1|	SRC proto	protein-coding
chr11-123	11.84562	-0.31424	0.685155	-0.45864	0.646493	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	TTS (NR_0	TTS (NR_0	223	NR_003125	85391		NR_003125	ENSG00000	SNORD14E	-	small nuc	snoRNA
chr7-2618	11.84562	-0.31424	0.685155	-0.45864	0.646493	0.981636	chr7	26187840	26197691	+	0	NA	intron (N	intron (N	7981	NM_002137	3181	Hs.487774	NM_002137	ENSG00000	HNRNPA2B1	HNRNPA2|H	heteroger	protein-coding
chr15-433	9.394581	0.357381	0.779245	0.458625	0.646504	0.981636	chr15	43335925	43336224	+	0	NA	intron (N	AluJr|SIN	5402	NM_001012	161823	Hs.533913	NM_001012	ENSG00000	ADAL	-	adenosine	protein-coding
chr12-535	9.96374	0.341135	0.744382	0.458279	0.646752	0.981636	chr12	53516456	53517422	+	0	NA	non-codir	non-codir	2955	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr9-1253	9.96374	0.341135	0.744382	0.458279	0.646752	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	93805	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr3-4471	9.9226	0.339944	0.74219	0.458028	0.646932	0.981636	chr3	44719857	44722452	+	0	NA	exon (NM_	exon (NM_	-8452	NM_145044	115560	Hs.401045	NM_145044	ENSG00000	ZNF501	ZNF|ZNF52	zinc fing	protein-coding
chr3-1566	9.9226	0.339944	0.74219	0.458028	0.646932	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	20297	NM_001184	25976	Hs.744050	NM_015508	ENSG00000	TIPARP	ARTD14|PA	TCDD indu	protein-coding
chr9-1104	9.9226	0.339944	0.74219	0.458028	0.646932	0.981636	chr9	1.1E+08	1.11E+08	+	0	NA	intron (N	intron (N	82789	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr1-1835	9.412146	0.36391	0.794869	0.457824	0.647079	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSz|SIN	55856	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr1-7789	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr1	7789384	7791577	+	0	NA	intron (N	THE1C|LTR	6051	NM_001289	8863	Hs.162200	NM_016831	ENSG00000	PER3	FASPS3|GI	period ci	protein-coding
chr1-1554	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr1	15547246	15548086	+	0	NA	intron (N	AluSz|SIN	5500	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Caj	ncRNA
chr1-1923	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr1	19236589	19240378	+	0	NA	intron (N	intron (N	13041	NM_001271	23065	Hs.439200	NM_015047	ENSG00000	EMC1	CAVIPMR|K	ER membra	protein-coding
chr1-2169	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr1	21693100	21693512	+	0	NA	intron (N	intron (N	-23949	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|R	RAP1 GTPa	protein-coding
chr1-2201	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	7230	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr16-841	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr16	84129183	84129707	+	0	NA	intron (N	intron (N	-12503	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr17-156	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr17	15639427	15641998	+	0	NA	intron (N	intron (N	-21008	NM_001282	374286	Hs.548021	NM_006382	ENSG00000	CDRT1	C17ORF1|C	CMT1A dup	protein-coding
chr19-210	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr19	2101310	2102500	+	0	NA	3' UTR (N	3' UTR (N	4990	NM_001039	113177	Hs.424049	NM_052878	ENSG00000	IZUMO4	C19orf36|	IZUMO fam	protein-coding
chr19-106	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr19	10627401	10640480	+	0	NA	intron (N	AluSp|SIN	8387	NM_020428	57153	Hs.534560	NM_020428	ENSG00000	SLC44A2	CTL2|PP12	solute ca	protein-coding
chr2-8617	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr2	86178432	86179763	+	0	NA	intron (N	(AAAACA)n	14011	NR_039939	1.01E+08		NR_039939	ENSG00000	MIR4779	-	microRNA	ncRNA
chr20-381	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr20	38135347	38140382	+	0	NA	TTS (NM_1	TTS (NM_1	27406	NM_001323	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr3-5240	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr3	52403180	52406604	+	0	NA	intron (N	intron (N	5116	NM_004656	8314	Hs.106674	NM_004656	ENSG00000	BAP1	HUCEP-13|	BRCA1 ass	protein-coding
chr8-4316	9.43387	0.349077	0.762651	0.457716	0.647156	0.981636	chr8	43160321	43166760	+	0	NA	intron (N	AluSg7|SI	23076	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr9-7032	9.109213	-0.35659	0.779196	-0.45764	0.647211	0.981636	chr9	70327963	70329158	+	0	NA	intron (N	MSTA-int|	69582	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr22-317	9.914742	0.341523	0.746642	0.457411	0.647375	0.981636	chr22	31700144	31701681	+	0	NA	intron (N	intron (N	-38348	NM_001326	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr11-638	8.342699	0.375097	0.820093	0.457383	0.647396	0.981636	chr11	63854052	63854382	+	0	NA	intron (N	(TG)n|Sim	15107	NM_001163	2011	Hs.567261	NM_004954	ENSG00000	MARK2	EMK-1|EMK	microtubu	protein-coding
chr15-509	8.342699	0.375097	0.820093	0.457383	0.647396	0.981636	chr15	50944424	50945018	+	0	NA	non-codir	non-codir	592	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr8-3811	8.350557	0.373297	0.816159	0.457383	0.647396	0.981636	chr8	38119551	38119780	+	0	NA	intron (N	AluSz|SIN	13872	NM_001105	9070	Hs.521530	NM_004674	ENSG00000	ASH2L	ASH2|ASH2	ASH2 like	protein-coding
chr7-7764	9.101355	-0.35509	0.776433	-0.45734	0.647427	0.981636	chr7	77641755	77642179	+	0	NA	Intergeni	AluSp|SIN	54298	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr10-114	9.392731	0.347872	0.760896	0.457188	0.647536	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	MER68B|LT	4969	NM_139169	142940	Hs.21187	NM_139169	ENSG00000	TRUB1	PUS4	TruB pseu	protein-coding
chr12-118	9.392731	0.347872	0.760896	0.457188	0.647536	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	24831	NM_002567	5037	Hs.433863	NM_002567	ENSG00000	PEBP1	HCNP|HCNP	phosphati	protein-coding
chr3-2560	9.392731	0.347872	0.760896	0.457188	0.647536	0.981636	chr3	25608895	25609098	+	0	NA	intron (N	intron (N	55376	NM_001068	7155	Hs.475733	NM_001068	ENSG00000	TOP2B	TOPIIB|to	DNA topoi	protein-coding
chr11-379	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr11	3792443	3794784	+	0	NA	intron (N	intron (N	3933	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-859	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr11	85991797	85995742	+	0	NA	intron (N	intron (N	75315	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr13-113	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	Tigger3b|	35039	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr15-430	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr15	43020256	43023021	+	0	NA	intron (N	MER2|DNA|	84400	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitir	protein-coding
chr18-541	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr18	54158362	54159978	+	0	NA	intron (N	intron (N	63242	NR_002970	677819	Hs.655869	NR_002970	ENSG00000	SNORA37	ACA37	small nuc	snoRNA
chr2-5465	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr2	54650916	54651174	+	0	NA	intron (N	intron (N	-73967	NM_001039	400954	Hs.656692	NM_001039	ENSG00000	EML6	-	EMAP like	protein-coding
chr3-1327	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSc|SIN	-3910	NR_002811	348808	Hs.586111	NR_002811	ENSG00000	NPHP3-AS1	NCRNA0011	NPHP3 ant	ncRNA
chr3-1837	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSp|SIN	49131	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr5-1381	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr5	13819535	13820263	+	0	NA	intron (N	intron (N	124581	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1764	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr5	1.76E+08	1.77E+08	+	0	NA	intron (N	AluJb|SIN	39339	NM_014901	22838	Hs.434888	NM_014901	ENSG00000	RNF44	-	ring fing	protein-coding
chr6-5662	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr6	56627297	56632281	+	0	NA	intron (N	intron (N	13100	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-8548	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr6	85486907	85488485	+	0	NA	intron (N	AluJr|SIN	37613	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5'-nucleo	protein-coding
chr7-3821	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr7	38217120	38217624	+	0	NA	intron (N	intron (N	39127	NM_032016	83930	Hs.309753	NM_032016	ENSG00000	STARD3NL	MENTHO	STARD3 N-	protein-coding
chr9-9214	8.657464	-0.36206	0.792059	-0.45711	0.647593	0.981636	chr9	92147675	92149079	+	0	NA	intron (N	intron (N	6910	NR_027341	158314	Hs.149940	NR_027341		LINC00475	C9orf44	long inte	ncRNA
chr10-619	8.196007	-0.37726	0.825332	-0.4571	0.647603	0.981636	chr10	61958184	61958850	+	0	NA	intron (N	AluSg4|SI	56818	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-122	8.196007	-0.37726	0.825332	-0.4571	0.647603	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-7343	NR_137186	399959	Hs.44098	NR_024430	ENSG00000	MIR100HG	AGD1|linc	mir-100-l	ncRNA
chr5-1548	8.196007	-0.37726	0.825332	-0.4571	0.647603	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	L1M3|LINE	7356	NM_001301	9337	Hs.26703	NM_004779	ENSG00000	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr8-1280	8.196007	-0.37726	0.825332	-0.4571	0.647603	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-16814	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr16-295	10.47004	0.338779	0.741548	0.456853	0.647777	0.981636	chr16	29548362	29548645	+	0	NA	intron (N	intron (N	-42629	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr4-5188	5.453589	-0.46192	1.011148	-0.45683	0.647794	0.981636	chr4	51884744	51885277	+	0	NA	intron (N	intron (N	41431	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chrX-2370	5.453589	-0.46192	1.011148	-0.45683	0.647794	0.981636	chrX	23705649	23706431	+	0	NA	intron (N	AluSx1|SI	37236	NM_001330	23597	Hs.298885	NM_001033	ENSG00000	ACOT9	ACATE2|CC	acyl-CoA	protein-coding
chr1-1490	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	Intergeni	Intergeni	-16142	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-1798	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx1|SI	3973	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr1-2243	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSx3|SI	26924	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr11-473	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr11	47301954	47304421	+	0	NA	intron (N	L1M2a|LIN	-31077	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr14-777	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr14	77729109	77738942	+	0	NA	intron (N	intron (N	25922	NR_052025	81892	Hs.655105	NM_031210	ENSG00000	SLIRP	C14orf156	SRA stem-	protein-coding
chr15-648	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr15	64847793	64850689	+	0	NA	intron (N	AluSc5|SI	7326	NM_025201	80301	Hs.709337	NM_025201	ENSG00000	PLEKHO2	PLEKHQ1|P	pleckstri	protein-coding
chr2-1590	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	THE1A-int	47123	NR_146421	85461	Hs.61590	NM_033394	ENSG00000	TANC1	ROLSB|TAN	tetratric	protein-coding
chr22-185	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr22	18547392	18547862	+	0	NA	intron (N	intron (N	1201	NR_003563	728233	Hs.592456	NR_003563	ENSG00000	PI4KAP1	-	phosphati	pseudo
chr4-5775	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr4	5775560	5777395	+	0	NA	intron (N	MIRc|SINE	65276	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-7030	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr4	7030145	7031095	+	0	NA	TTS (NR_0	TTS (NR_0	12381	NM_153376	257236	Hs.656757	NM_153376	ENSG00000	CCDC96	-	coiled-co	protein-coding
chr5-4469	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr5	446996	452881	+	0	NA	intron (N	L1M4c|LIN	6762	NM_007277	11336	Hs.481464	NM_007277	ENSG00000	EXOC3	SEC6|SEC6	exocyst c	protein-coding
chr5-1405	9.930458	0.338399	0.74086	0.456766	0.647839	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-19544	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr7-5525	18.75181	-0.25649	0.561605	-0.45671	0.64788	0.981636	chr7	5525304	5530539	+	0	NA	intron (N	intron (N	2680	NM_001101	60	Hs.520640	NM_001101	ENSG00000	ACTB	BRWS1|PS1	actin bet	protein-coding
chr14-885	9.117071	-0.35815	0.784608	-0.45647	0.64805	0.981636	chr14	88503768	88504759	+	0	NA	intron (N	MIR|SINE|	50744	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr3-1448	9.117071	-0.35815	0.784608	-0.45647	0.64805	0.981636	chr3	14484100	14484929	+	0	NA	intron (N	L3|LINE|C	55828	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr18-182	31.59969	0.209988	0.460219	0.456278	0.64819	0.981636	chr18	18217261	18217460	+	0	NA	Intergeni	ALR/Alpha	-2891441	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr19-112	8.154868	-0.37998	0.833268	-0.45601	0.648381	0.981636	chr19	11226615	11227011	+	0	NA	intron (N	intron (N	-12806	NM_018687	55908	Hs.534467	NM_018687	ENSG00000	ANGPTL8	C19orf80|	angiopoie	protein-coding
chr5-1419	8.154868	-0.37998	0.833268	-0.45601	0.648381	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	3012	NM_014773	9812	Hs.210532	NM_014773	ENSG00000	DELE1	DELE|KIAA	DAP3 binc	protein-coding
chr8-2810	8.154868	-0.37998	0.833268	-0.45601	0.648381	0.981636	chr8	28100955	28101486	+	0	NA	intron (N	AluY|SINE	8081	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr13-327	5.856341	-0.44731	0.980979	-0.45598	0.648405	0.981636	chr13	32729125	32729548	+	0	NA	intron (N	L1PA8|LIN	142884	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr19-326	8.121586	-0.38441	0.843496	-0.45574	0.64858	0.981636	chr19	32625623	32625930	+	0	NA	intron (N	intron (N	-17307	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr5-7008	9.377015	0.351122	0.770733	0.455569	0.6487	0.981636	chr5	70082328	70082688	+	0	NA	Intergeni	L1PA3|LIN	32985	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr1-4430	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr1	44308589	44309477	+	0	NA	intron (N	intron (N	46224	NM_024066	79033	Hs.731413	NM_024066	ENSG00000	ERI3	PINT1|PRN	ERI1 exor	protein-coding
chr16-378	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr16	3782102	3783844	+	0	NA	intron (N	intron (N	-65449	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr2-1751	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	L1MC5a|LI	33098	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr5-7163	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr5	71637690	71638538	+	0	NA	intron (N	Tigger1|D	50774	NM_001363	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcro	protein-coding
chr5-1128	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-27504	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr8-7870	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chr8	78703216	78703924	+	0	NA	intron (N	L1PA13|LI	20804	NR_077236	1.01E+08	Hs.388511	NR_077236		LOC101241	-	chromosom	pseudo
chrX-1559	5.188007	0.457663	1.005908	0.454975	0.649127	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	MIR|SINE|	39352	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr1-9981	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr1	9981057	9982704	+	0	NA	TTS (NM_0	TTS (NM_0	14499	NR_049882	1.01E+08		NR_049882	ENSG00000	MIR5697	-	microRNA	ncRNA
chr1-3781	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr1	37819718	37820380	+	0	NA	intron (N	L3|LINE|C	-11841	NM_024640	79693	Hs.301564	NM_024640	ENSG00000	YRDC	DRIP3|IRI	yrdC N6-t	protein-coding
chr1-4019	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr1	40191413	40191985	+	0	NA	intron (N	AluJo|SIN	30312	NM_012421	6018	Hs.205627	NM_012421	ENSG00000	RLF	ZN-15L|ZN	rearrange	protein-coding
chr12-101	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	23925	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr16-743	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr16	74349639	74353311	+	0	NA	intron (N	intron (N	16780	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr17-428	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr17	42844286	42844777	+	0	NA	promoter-	promoter-	-49	NM_009590	314	Hs.143102	NM_001158	ENSG00000	AOC2	DAO2|RAO|	amine oxi	protein-coding
chr19-110	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr19	11008080	11008980	+	0	NA	intron (N	L1ME4b|LI	24378	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr20-138	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr20	13801534	13803939	+	0	NA	intron (N	intron (N	17708	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubic	protein-coding
chr6-2947	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr6	2947815	2949070	+	0	NA	exon (NM_	exon (NM_	13688	NM_001271	5269	Hs.519523	NM_004568	ENSG00000	SERPINB6	CAP|DFNB9	serpin fa	protein-coding
chr7-6153	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr7	6153755	6155379	+	0	NA	exon (NM_	exon (NM_	17570	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesir	protein-coding
chr7-7704	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr7	77046806	77047839	+	0	NA	intron (N	intron (N	7842	NR_028058	1E+08	Hs.292996	NM_001129851		PMS2P9	PMS2L17|P	PMS1 homo	pseudo
chr9-1375	9.400589	0.346246	0.761085	0.454937	0.649155	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	5872	NM_001346	92715	Hs.292570	NM_138778	ENSG00000	DPH7	C9orf112|	diphthami	protein-coding
chr8-1443	11.8789	-0.31124	0.684289	-0.45483	0.649229	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	2660	NR_031600	1E+08		NR_031600	ENSG00000	MIR1234	MIRN1234|	microRNA	ncRNA
chr19-394	11.83776	-0.31309	0.688486	-0.45476	0.649283	0.981636	chr19	39432000	39434873	+	0	NA	intron (N	intron (N	2513	NM_001363	6217	Hs.397609	NM_001020	ENSG00000	RPS16	S16	ribosomal	protein-coding
chr11-171	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr11	17145176	17145375	+	0	NA	intron (N	THE1C|LTR	62711	NM_001321	5286	Hs.175343	NM_002645	ENSG00000	PIK3C2A	CPK|OCSKD	phosphati	protein-coding
chr17-752	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr17	75238016	75238621	+	0	NA	exon (NM_	exon (NM_	23288	NM_014001	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr18-959	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr18	9590497	9590777	+	0	NA	intron (N	L1M5|LINE	23922	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr3-1324	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	60780	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr4-1500	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr4	15007585	15010287	+	0	NA	intron (N	intron (N	6455	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr9-9767	8.616324	-0.36463	0.802454	-0.45439	0.649549	0.981636	chr9	97671307	97671604	+	0	NA	3' UTR (N	3' UTR (N	25954	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr20-440	5.229147	0.459494	1.011805	0.454133	0.649733	0.981636	chr20	44052909	44053831	+	0	NA	intron (N	intron (N	107474	NM_001098	84969	Hs.26608	NM_032883	ENSG00000	TOX2	C20orf100	TOX high	protein-coding
chr6-3650	5.751158	0.438111	0.965224	0.453896	0.649904	0.981636	chr6	36500453	36501283	+	0	NA	intron (N	intron (N	46611	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr1-1937	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	19378580	19379492	+	0	NA	intron (N	MIRb|SINE	66710	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-3628	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	36284302	36284933	+	0	NA	intron (N	intron (N	-21751	NM_001162	79729	Hs.524496	NM_024676	ENSG00000	SH3D21	C1orf113	SH3 domai	protein-coding
chr1-4050	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	40506188	40506448	+	0	NA	Intergeni	THE1B|LTR	-2401	NM_001346	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr1-4268	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	42684190	42686492	+	0	NA	intron (N	intron (N	2205	NR_132737	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bir	protein-coding
chr1-5395	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	53953890	53957217	+	0	NA	intron (N	AluSx1|SI	9203	NM_001256	115353	Hs.40094	NM_052940	ENSG00000	LRRC42	dJ167A19.	leucine r	protein-coding
chr1-1852	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	TTS (NM_0	TTS (NM_0	21306	NM_006469	10625	Hs.497183	NM_006469	ENSG00000	IVNS1ABP	ARA3|FLAP	influenza	protein-coding
chr1-2065	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	AluSx|SIN	19532	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr10-920	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr10	92015500	92016720	+	0	NA	intron (N	intron (N	92340	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr13-524	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr13	52461928	52466720	+	0	NA	intron (N	AluSq2|SI	8352	NM_001286	26586	Hs.444028	NM_018204	ENSG00000	CKAP2	LB1|TMAP|	cytoskele	protein-coding
chr15-327	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr15	32771702	32772940	+	0	NA	3' UTR (N	3' UTR (N	-53456	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr16-301	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr16	30197389	30198556	+	0	NA	TTS (NM_0	TTS (NM_0	-1256	NM_001017	445329	Hs.460558	NM_001017	ENSG00000	SULT1A4	HAST3|M-P	sulfotran	protein-coding
chr17-424	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr17	42411817	42412555	+	0	NA	intron (N	intron (N	11070	NM_012232	284119	Hs.437191	NM_012232	ENSG00000	CAVIN1	CAVIN|CGL	caveolae	protein-coding
chr19-365	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr19	36566873	36567243	+	0	NA	intron (N	L1M4|LINE	-6012	NR_110703	1.02E+08	Hs.515376	NR_110703	ENSG00000	ZNF529-AS	-	ZNF529 ar	ncRNA
chr2-4392	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr2	43929121	43930507	+	0	NA	intron (N	intron (N	66175	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-5541	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr2	55411704	55412683	+	0	NA	intron (N	intron (N	7663	NM_001365	55704	Hs.292925	NM_018084	ENSG00000	CCDC88A	APE|GIRDI	coiled-co	protein-coding
chr2-6389	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr2	63892633	63893073	+	0	NA	3' UTR (N	3' UTR (N	50973	NM_006759	7360	Hs.516217	NM_006759	ENSG00000	UGP2	UDPG|UDPG	UDP-gluco	protein-coding
chr2-1714	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluJb|SIN	-37093	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr2-1742	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	2927	NM_001328	29789	Hs.157351	NM_013341	ENSG00000	OLA1	DOC45|GBP	Obg like	protein-coding

chr3-585(	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr3	58500862	58502489	+	0	NA	3’ UTR (N	3’ UTR (N	3310	NM_153331	200845	Hs.13982	NM_153331	ENSG0000(	KCTD6	KCASH3	potassium	protein-coding
chr3-1559	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	66349	NM_003875	8833	Hs.591314	NM_003875	ENSG0000(	GMPS	GATD7	guanine m	protein-coding
chr3-1972	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1M3f|LIN	44685	NR_039960	1.01E+08		NR_039960	ENSG0000(	MIR4797	-	microRNA	ncRNA
chr4-5343	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr4	53434692	53435842	+	0	NA	intron (N	intron (N	57614	NM_001134	81608	Hs.555109	NM_030917	ENSG0000(	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr4-1228	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	33548	NM_007083	11162	Hs.558459	NM_007083	ENSG0000(	NUDT6	ASFGF2|F(	nudix hyc	protein-coding
chr5-7861	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr5	78618522	78619257	+	0	NA	intron (N	intron (N	29883	NM_005779	10184	Hs.79299	NM_005779	ENSG0000(	LHFPL2	-	LHFPL tet	protein-coding
chr6-3072	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr6	30726521	30727622	+	0	NA	TTS (NM_(	TTS (NM_(	5433	NM_001293	203068	Hs.636480	NM_178014	ENSG0000(	TUBB	CDCBM6|CS	tubulin b	protein-coding
chr8-4796	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr8	47962387	47965146	+	0	NA	intron (N	intron (N	2825	NM_182746	4173	Hs.460184	NM_005914	ENSG0000(	MCM4	CDC21|CD(	minichrom	protein-coding
chr8-1023	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	MIR|SINE|	73900	NM_001282	51366	Hs.492445	NM_015902	ENSG0000(	UBR5	DD5|EDD|E	ubiquitir	protein-coding
chr9-9664	5.915046	-0.4325	0.952885	-0.45388	0.649914	0.981636	chr9	96644186	96645540	+	0	NA	intron (N	intron (N	10454	NM_153698	195827	Hs.44640	NM_153698	ENSG0000(	PRXL2C	AAED1|C9c	peroxirec	protein-coding
chr1-1704	8.432836	0.375705	0.827943	0.453782	0.649986	0.981636	chr1	1704046	1705094	+	0	NA	exon (NM_	exon (NM_	4631	NR_002946	8511	Hs.671760	NR_002946	ENSG0000(	MMP23A	MIFR|MIFF	matrix me	pseudo
chr1-2582	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr1	25826048	25834614	+	0	NA	intron (N	intron (N	-6725	NR_024498	646471	Hs.727271	NR_024498		LOC646471	-	uncharact	ncRNA
chr1-4048	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr1	40487041	40493718	+	0	NA	intron (N	intron (N	13089	NM_001320	339559	Hs.434385	NM_198494	ENSG0000(	ZFP69	ZFP69A|ZK	ZFP69 zir	protein-coding
chr1-2045	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	32320	NM_002393	4194	Hs.497492	NM_002393	ENSG0000(	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr12-102	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	SVA_A|Ret	-27281	NM_001301	51019	Hs.405692	NM_016053	ENSG0000(	WASHC3	CCDC53|C(	WASH comp	protein-coding
chr16-115	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr16	11551343	11557248	+	0	NA	intron (N	intron (N	-27048	NM_001370	400499	Hs.459937	NM_001370	ENSG0000(	LOC400499	-	putative	protein-coding
chr16-572	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr16	57250997	57253336	+	0	NA	exon (NM_	exon (NM_	6907	NM_012106	23568	Hs.632873	NM_012106	ENSG0000(	ARL2BP	BART|BART	ADP ribos	protein-coding
chr19-458	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr19	45898260	45900147	+	0	NA	intron (N	AluSp|SIN	3410	NM_001012	339344	Hs.515478	NM_001012	ENSG0000(	MYPOP	P42pop	Myb relat	protein-coding
chr19-484	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr19	48472892	48475712	+	0	NA	exon (NM_	exon (NM_	4933	NM_004228	9266	Hs.144011	NM_004228	ENSG0000(	CYTH2	ARNO|CTS1	cytohesir	protein-coding
chr2-2017	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MD2|LIN	-16610	NM_033066	58538	Hs.63085	NM_033066	ENSG0000(	MPP4	ALS2CR5|I	membrane	protein-coding
chr2-2164	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	MSTD|LTR|	36389	NM_001127	50485	Hs.516674	NM_014140	ENSG0000(	SMARCAL1	HARP|HHAF	SWI/SNF r	protein-coding
chr9-8627	9.938316	0.336864	0.742586	0.453636	0.650091	0.981636	chr9	86270097	86272264	+	0	NA	intron (N	Tigger3c|	11358	NM_030940	81689	Hs.449291	NM_030940	ENSG0000(	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr1-3517	12.30708	-0.30608	0.67476	-0.45361	0.65011	0.981636	chr1	35175023	35191897	+	0	NA	3’ UTR (N	3’ UTR (N	9685	NR_136702	6421	Hs.355934	NM_005066	ENSG0000(	SFPQ	POMP100|F	splicing	protein-coding
chr12-12(	9.134636	-0.35116	0.774222	-0.45356	0.650145	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-12448	NR_039719	1.01E+08		NR_039719	ENSG0000(	MIR4498	mir-4498	microRNA	ncRNA
chr19-408	9.134636	-0.35116	0.774222	-0.45356	0.650145	0.981636	chr19	40800665	40801773	+	0	NA	exon (NM_	exon (NM_	1697	NM_053046	112398	Hs.515417	NM_017555	ENSG0000(	EGLN2	EIT-6|EI1	egl-9 fam	protein-coding
chr7-1236	8.855003	0.358343	0.790405	0.453366	0.650285	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSg|SIN	43428	NM_207163	442721	Hs.592260	NM_207163	ENSG0000(	LMOD2	C-LMOD|Cl	leiomodir	protein-coding
chr1-1875	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr1	1875067	1875772	+	0	NA	intron (N	AluSz6|SI	15668	NM_002074	2782	Hs.430425	NM_002074	ENSG0000(	GNB1	MRD42	G proteir	protein-coding
chr1-3629	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr1	36290364	36295074	+	0	NA	intron (N	intron (N	-13649	NM_001162	79729	Hs.524496	NM_024676	ENSG0000(	SH3D21	C1orf113	SH3 domai	protein-coding
chr10-311	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr10	3111241	3120002	+	0	NA	intron (N	intron (N	11012	NM_001323	5214	Hs.26010	NM_002627	ENSG0000(	PFKP	ATP-PFK|F	phosphofr	protein-coding
chr10-316	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr10	3168062	3170731	+	0	NA	intron (N	intron (N	3320	NM_001347	10531	Hs.528300	NM_014889	ENSG0000(	PITRM1	MP1|PreP	pitrilysi	protein-coding
chr11-239	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr11	2396074	2397457	+	0	NA	intron (N	intron (N	-3985	NM_001297	10078	Hs.523424	NM_005706	ENSG0000(	TSSC4	-	tumor sup	protein-coding
chr14-688	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr14	68896502	68898746	+	0	NA	intron (N	intron (N	81678	NM_001102	87	Hs.235750	NM_001102	ENSG0000(	ACTN1	BDPLT15	actinin a	protein-coding
chr16-693	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr16	69341167	69344293	+	0	NA	TTS (NM_1	TTS (NM_1	2958	NM_016101	51388	Hs.585728	NM_016101	ENSG0000(	NIP7	CGI-37|HS	nucleolar	protein-coding
chr2-3725	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr2	37256901	37257322	+	0	NA	TTS (NR_1	TTS (NR_1	25453	NR_146408	55471	Hs.433466	NM_018607	ENSG0000(	NDUFAF7	C2orf56|M	NADH:ubic	protein-coding
chr3-177(	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	150557	NM_001321	79718	Hs.714201	NM_024665	ENSG0000(	TBL1XR1	C21|DC42|	transduci	protein-coding
chr6-1784	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr6	17848235	17849700	+	0	NA	intron (N	AluSx|SIN	138668	NM_001243	63971	Hs.94499	NM_022113	ENSG0000(	KIF13A	RBKIN|bA5	kinesin f	protein-coding
chr7-7763	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr7	77632833	77634258	+	0	NA	intron (N	AluSc8|SI	62720	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG0000(	APTR	RSBN1L-AS	Alu-media	ncRNA
chr9-6569	9.126779	-0.34969	0.771473	-0.45328	0.650346	0.981636	chr9	65693005	65693843	+	0	NA	5’ UTR (N	5’ UTR (N	17496	NM_001363	220869	Hs.355950	NM_001024	ENSG0000(	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chr15-898	8.937282	0.360798	0.796138	0.453185	0.650415	0.981636	chr15	89800671	89805265	+	0	NA	intron (N	intron (N	11884	NM_001150	290	Hs.1239	NM_001150	ENSG0000(	ANPEP	APN|CD13|	alanyl am	protein-coding
chr1-1863	8.904001	0.357866	0.789987	0.453003	0.650547	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	35786	NM_003292	7175	Hs.279640	NM_003292	ENSG0000(	TPR	-	transloca	protein-coding
chr2-2317	8.904001	0.357866	0.789987	0.453003	0.650547	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	intron (N	10217	NM_001282	64708	Hs.335061	NM_022730	ENSG0000(	COPS7B	CSN7B|SGN	COP9 sigr	protein-coding
chr22-403	8.904001	0.357866	0.789987	0.453003	0.650547	0.981636	chr22	40317168	40317841	+	0	NA	intron (N	AluSc|SIN	-28996	NM_001363	158	Hs.75527	NM_000026	ENSG0000(	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr6-1763	8.904001	0.357866	0.789987	0.453003	0.650547	0.981636	chr6	17637654	17638163	+	0	NA	intron (N	intron (N	37606	NM_016255	51439	Hs.95260	NM_016255	ENSG0000(	FAM8A1	AHCP	family wi	protein-coding
chr1-2058	10.46819	0.329942	0.728361	0.452992	0.650554	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	3297	NM_173854	254428	Hs.20274	NM_173854	ENSG0000(	SLC41A1	MgtE	solute ca	protein-coding
chr10-882	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr10	882870	883240	+	0	NA	intron (N	intron (N	48650	NM_001351	23185	Hs.159069	NM_015155	ENSG0000(	LARP4B	KIAA0217|	La ribonu	protein-coding
chr11-12(	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz|SIN	-51755	NM_014619	2900	Hs.538738	NM_014619	ENSG0000(	GRIK4	EAA1|GRIK	glutamate	protein-coding
chr17-187	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr17	18795943	18796566	+	0	NA	intron (N	Charlie4a	7219	NM_001316	51030	Hs.87295	NM_016078	ENSG0000(	TVP23B	CGI-148|F	trans-gol	protein-coding
chr18-488	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr18	48822810	48823150	+	0	NA	intron (N	L1MB1|LIN	119827	NM_001190	4092	Hs.465087	NM_005904	ENSG0000(	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr8-4791	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr8	47913542	47914243	+	0	NA	intron (N	intron (N	46244	NM_001081	5591	Hs.491682	NM_006904	ENSG0000(	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-1033	8.649606	-0.3605	0.796047	-0.45286	0.650651	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	non-codir	non-codir	15891	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr3-118(	3.667366	-0.54483	1.203126	-0.45284	0.650661	0.981636	chr3	11806063	11806972	+	0	NA	intron (N	HAL1|LINE	40368	NM_001321	132001	Hs.475472	NM_138807	ENSG0000(	TAMM41	C3orf31|F	TAM41 mit	protein-coding
chr2-2075	5.881764	-0.43866	0.969334	-0.45254	0.650881	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluY|SINE	28296	NM_001371428								
chr22-403	5.881764	-0.43866	0.969334	-0.45254	0.650881	0.981636	chr22	40395631	40396318	+	0	NA	intron (N	intron (N	25380	NM_001350	27352	Hs.474914	NM_015705	ENSG0000(	SGSM3	CIP85|MAF	small G p	protein-coding
chr4-1837	5.881764	-0.43866	0.969334	-0.45254	0.650881	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MC5|LIN	46436	NM_021942	60684	Hs.443240	NM_021942	ENSG0000(	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr1-2821	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr1	28215585	28216348	+	0	NA	intron (N	AluJr|SIN	17063	NM_014280	22826	Hs.433540	NM_014280	ENSG0000(	DNAJC8	HSPC331|S	DnaJ heat	protein-coding
chr1-287(	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr1	28705671	28706496	+	0	NA	intron (N	AluYk4|SI	-30538	NM_001173	51441	Hs.532286	NM_016258	ENSG0000(	YTHDF2	CAHL|HGR(	YTH N6-me	protein-coding
chr1-150(	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	(TA)n|Sim	30051	NM_001279	11311	Hs.443750	NM_007259	ENSG0000(	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr12-437	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr12	43754041	43754943	+	0	NA	exon (NM_	exon (NM_	4298	NM_001098	83448	Hs.23554	NM_031292	ENSG0000(	PUS7L	-	pseudouri	protein-coding
chr12-823	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr12	82352389	82352903	+	0	NA	non-codir	non-codir	5741	NM_014167	29080	Hs.582627	NM_014167	ENSG0000(	CCDC59	BR22|HSP(	coiled-cc	protein-coding
chr16-482	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr16	48266472	48266853	+	0	NA	intron (N	L1ME1|LIN	-19123	NM_001370	85320	Hs.652267	NM_032583	ENSG0000(	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr2-3765	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr2	37650996	37651885	+	0	NA	intron (N	intron (N	20759	NM_001270	10602	Hs.369574	NM_006449	ENSG0000(	CDC42EP3	BORG2|CEF	CDC42 eff	protein-coding
chr2-6386	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr2	63863767	63864579	+	0	NA	intron (N	MIRb|SINE	22293	NM_006759	7360	Hs.516217	NM_006759	ENSG0000(	UGP2	UDPG|UDP(	UDP-glucc	protein-coding
chr22-416	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr22	41674431	41675388	+	0	NA	3’ UTR (N	3’ UTR (N	13958	NM_001003	4809	Hs.182255	NM_005008	ENSG0000(	SNU13	15.5K|FA-	small nuc	protein-coding
chr5-8111	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr5	81113697	81115608	+	0	NA	intron (N	L2b|LINE|	-118668	NM_001825	1160	Hs.80691	NM_001825	ENSG0000(	CKMT2	SMTCK	creatine	protein-coding
chr5-1473	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr5	1.47E+08	1.47E+08	+	0	NA	intron (N	L3|LINE|(	55525	NM_001387	1809	Hs.519659	NM_001387	ENSG0000(	DPYSL3	CRMP-4|CF	dihydropy	protein-coding
chr5-1728	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	L1MC4a|LI	-31727	NR_162113	1.13E+08		NR_162113		MIR10523	-	microRNA	ncRNA
chr5-1763	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7312	NM_001317	51491	Hs.696283	NM_016391	ENSG0000(	NOP16	HSPC111|F	NOP16 nuc	protein-coding
chr5-1795	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	6601	NM_001040	80230	Hs.306769	NM_025158	ENSG0000(	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr6-7566	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr6	75665874	75667404	+	0	NA	intron (N	intron (N	64759	NM_015571	26054	Hs.485784	NM_015571	ENSG0000(	SENP6	SSP1|SUSF	SUMO spec	protein-coding
chr9-131(	5.956186	-0.4286	0.947268	-0.45246	0.650939	0.981636	chr9	13106853	13107516	+	0	NA	intron (N	intron (N	-134551	NR_132976	1.07E+08		NR_132976		SNORD137	-	small nuc	snoRNA
chr2-1564	8.847145	0.360027	0.79584	0.452386	0.650991	0.981636	chr2	15641383	15641593	+	0	NA	Intergeni	L1M4|LINE	-49294	NR_110201	1.02E+08	Hs.502835	NR_110201	ENSG0000(	LINC01804	-	long inte	ncRNA
chr11-34(	9.085639	-0.35222	0.778639	-0.45236	0.651012	0.981636	chr11	34054381	34056069	+	0	NA	intron (N	AluSx|SIN	3494	NM_005898	4076	Hs.471818	NM_005898	ENSG0000(	CAPRIN1	GPIAP1|GF	cell cycl	protein-coding
chr2-9845	9.085639	-0.35222	0.778639	-0.45236	0.651012	0.981636	chr2	9845902	9846343	+	0	NA	5’ UTR (N	5’ UTR (N	2648	NM_005680	9014	Hs.584833	NM_005680	ENSG0000(	TAF1B	MGC:9349|	TATA-box	protein-coding
chr3-1856	8.862861	0.356625	0.788743	0.452143	0.651166	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-55281	NR_126326	646600	Hs.647949	NR_027317	ENSG0000(	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr2-1772	11.87105	-0.31009	0.685832	-0.45214	0.651167	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	4084	NR_138470	220988	Hs.516539	NM_194247	ENSG0000(	HNRNPA3	2610510D1	heteroger	protein-coding
chr1-3923	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr1	39231261	39233410	+	0	NA	intron (N	L2c|LINE|	148168	NM_012090	23499	Hs.472475	NM_012090	ENSG0000(	MACF1	ABP620|A(	microtubu	protein-coding
chr1-1613	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSq2|SI	8786	NM_001013	257177	Hs.534593	NM_001013	ENSG0000(	CFAP126	C1orf192|	cilia anc	protein-coding
chr10-793	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr10	79387388	79388614	+	0	NA	intron (N	intron (N	40532	NM_005729	10105	Hs.381072	NM_005729	ENSG0000(	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr11-69(	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr11	69071455	69072653	+	0	NA	intron (N	intron (N	-11122	NR_036122	1E+08		NR_036122	ENSG0000(	MIR3164	-	microRNA	ncRNA
chr11-777	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr11	77721911	77723936	+	0	NA	intron (N	intron (N	-85117	NM_001311	1207	Hs.430733	NM_001293	ENSG0000(	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr14-307	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr14	30716113	30717784	+	0	NA	intron (N	intron (N	94629	NM_016106	23256	Hs.369168	NM_016106	ENSG0000(	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-884	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr14	88493618	88495680	+	0	NA	intron (N	AluJo|SIN	60358	NM_007039	11099	Hs.437040	NM_007039	ENSG0000(	PTPN21	PTPD1|PTF	protein t	protein-coding
chr14-102	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJr|SIN	30173	NM_001353	5891	Hs.36859	NM_014226	ENSG0000(	MOK	RAGE|RAGE	MOK prote	protein-coding
chr15-249	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr15	24963434	24968152	+	0	NA	intron (N	intron (N	10801	NM_001349	6638	Hs.564847	NM_003097	ENSG0000(	SNRPN	HCERN3|PW	small nuc	protein-coding
chr19-233	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr19	23359370	23360414	+	0	NA	exon (NM_	exon (NM_	35579	NM_003430	7644	Hs.58834	NM_003430	ENSG0000(	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr2-6918	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr2	69185323	69186230	+	0	NA	intron (N	intron (N	82094	NR_036073	1E+08		NR_036073	ENSG0000(	MIR3126	mir-3126	microRNA	ncRNA
chr20-303	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr20	3039380	3040441	+	0	NA	Intergeni	Intergeni	-3712	NM_001501	2797	Hs.129715	NM_001501	ENSG0000(	GNRH2	GnRH-II|I	gonadotro	protein-coding
chr20-488	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr20	4888796	4889662	+	0	NA	intron (N	L2c|LINE|	-65621	NM_014737	9770	Hs.631504	NM_014737	ENSG0000(	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr20-333	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr20	33362986	33365014	+	0	NA	intron (N	L1MC5|LIN	37519	NM_016408	51654	Hs.435952	NM_016082	ENSG0000(	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr22-293	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr22	29333692	29334741	+	0	NA	promoter-	promoter-	-958	NR_003686	1E+08		NR_003686	ENSG0000(	SNORD125	-	small nuc	snoRNA
chr22-353	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr22	35344141	35345657	+	0	NA	intron (N	MIR|SINE|	-8100	NR_106717	1.02E+08		NR_106717	ENSG0000(	MIR6069	hsa-mir-6	microRNA	ncRNA
chr5-5454	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr5	5454507	5455972	+	0	NA	intron (N	intron (N	32562	NM_015325	23379	Hs.449296	NM_015325	ENSG0000(	ICE1	KIAA0947	interacto	protein-coding
chr5-1548	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSc|SIN	11268	NM_001301	9337	Hs.26703	NM_004779	ENSG0000(	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr6-3131	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr6	3131172	3132468	+	0	NA	intron (N	intron (N	13109	NM_004332	670	Hs.10136	NM_004332	ENSG0000(	BPHL	BPH-RP|M(	biphenyl	protein-coding
chr7-1557	5.195865	0.454727	1.005868	0.452074	0.651215	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	62147	NM_053043	155435	Hs.591815	NM_053043	ENSG0000(	RBM33	PRR8	RNA bindi	protein-coding
chr4-7147	8.583043	-0.36887	0.816119	-0.45197	0.651287	0.981636	chr4	71478273	71478751	+	0	NA	intron (N	L1PA7|LIN	139459	NM_003759	8671	Hs.5462	NM_003759	ENSG0000(	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr13-302	9.897177	0.335686	0.742768	0.45194	0.651312	0.981636	chr13	30221687	30222901	+	0	NA	intron (N	MLT2B4|LT	-69220	NR_138041	1.02E+08	Hs.639879	NR_138041		LINC00384	-	long inte	ncRNA
chr1-5425	3.700648	-0.53479	1.183689	-0.4518	0.651411	0.981636	chr1	54259580	54260290	+	0	NA	intron (N	intron (N	23492	NR_103541	619518	Hs.591438	NM_001034	ENSG0000(	SSBP3-AS1	C1orf191|	SSBP3 ant	ncRNA
chr3-734(	4.699277	0.488593	1.08148	0.451782	0.651426	0.981636	chr3	73400042	73400847	+	0	NA	intron (N	intron (N	33551	NM_001303	23024	Hs.660347	NM_015009	ENSG0000(	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr1-1791	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	28185	NM_005158	27	Hs.159472	NM_005158	ENSG0000(	ABL2	ABLL|ARG	ABL proto	protein-coding
chr10-934	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr10	93448397	93457607	+	0	NA	intron (N	intron (N	29332	NM_013451	26509	Hs.602086	NM_013451	ENSG0000(	MYOF	FER1L3	myoferlir	protein-coding
chr11-119	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr11	11952874	11957088	+	0	NA	intron (N	intron (N	53658	NM_001018	27122	Hs.292156	NM_013253	ENSG0000(	DKK3	REIC|RIG	dickkopf	protein-coding
chr12-295	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr12	29527420	29527724	+	0	NA	intron (N	intron (N	-27879	NM_001353	341350	Hs.674588	NM_183378	ENSG0000(	OVCH1	OVCH	ovochymas	protein-coding
chr12-563	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr12	56308721	56309621	+	0	NA	TTS (NM_(	TTS (NM_(	6817	NM_014255	10330	Hs.8752	NM_014255	ENSG0000(	CNPY2	HP10390|M	canopy F(	protein-coding
chr14-583	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr14	58306479	58306935	+	0	NA	intron (N	AluSz|SIN	8152	NM_002892	5926	Hs.161000	NM_002892	ENSG0000(	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr14-694	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr14	69455673	69455872	+	0	NA	exon (NM_	exon (NM_	-28956	NM_001161	400224	Hs.509796	NM_001161	ENSG0000(	PLEKHD1	UPF0639	pleckstri	protein-coding
chr15-586	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr15	58613895	58615898	+	0	NA	intron (N	L1MA4|LIN	78711	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4F	HSP90Bd	heat shoc	pseudo
chr15-706	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr15	70654015	70658073	+	0	NA	3’ UTR (N	3’ UTR (N	20795	NR_126482	1.05E+08		NR_126482	ENSG0000(	SALRNA2	SAL-RNA2|	senescenc	ncRNA
chr18-359	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr18	35977359	35982104	+	0	NA	TTS (NM_(	TTS (NM_(	7052	NM_031446	83608	Hs.37883	NM_031446	ENSG0000(	C18orf21	HsT3108|F	chromosom	protein-coding
chr19-189	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr19	18991844	18994965	+	0	NA	non-codir	non-codir	40113	NR_147913	10147	Hs.77876	NM_014884	ENSG0000(	SUGP2	SFRS14|SF	SURP and	protein-coding
chr2-1443	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-64174	NM_001354	79712	Hs.44780	NM_024659	ENSG0000(	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr21-335	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr21	33573098	33575937	+	0	NA	intron (N	intron (N	14167	NM_017613	29980	Hs.436341	NM_017613	ENSG0000(	DONSON	B17|C21or	downstrea	protein-coding
chr3-1834	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	promoter-	promoter-	-945	NR_145763	1.1E+08		NR_145763	ENSG0000(	SNORA63E	-	small nuc	snoRNA
chr5-9675	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr5	96757644	96758353	+	0	NA	intron (N	intron (N	14396	NR_104285	831	Hs.436186	NM_001750	ENSG0000(	CAST	BS-17|PLA	calpastat	protein-coding
chr6-1746	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr6	17465585	17466827	+	0	NA	intron (N	intron (N	45059	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr6-8222	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr6	82226461	82227664	+	0	NA	intron (N	intron (N	20682	NM_001300	25998	Hs.306425	NM_015525	ENSG0000(	IBTK	BTBD26|BT	inhibitor	protein-coding
chr6-1472	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1M2|LINE	-91635	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr9-1248	9.118921	-0.34826	0.771286	-0.45153	0.651611	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	2957	NM_007209	11224	Hs.182825	NM_007209	ENSG0000(	RPL35	DBA19|L35	ribosomal	protein-coding
chr19-403	9.441728	0.347398	0.769693	0.451346	0.65174	0.981636	chr19	40377856	40378447	+	0	NA	exon (NM_	exon (NM_	8305	NR_106854	1.02E+08		NR_106854	ENSG0000(	MIR6796	hsa-mir-6	microRNA	ncRNA
chr2-2475	9.441728	0.347398	0.769693	0.451346	0.65174	0.981636	chr2	24758558	24758943	+	0	NA	intron (N	AluSg|SIN	-34365	NM_024322	79172	Hs.731569	NM_024322	ENSG0000(	CENPO	CENP-O|I(	centromer	protein-coding
chr16-289	9.889319	0.337237	0.747226	0.451319	0.651759	0.981636	chr16	28954579	28955872	+	0	NA	intron (N	intron (N	-3358	NR_039742	1.01E+08		NR_039742	ENSG0000(	MIR4517	mir-4517	microRNA	ncRNA
chr22-387	9.889319	0.337237	0.747226	0.451319	0.651759	0.981636	chr22	38726495	38726997	+	0	NA	intron (N	intron (N	20802	NM_004286	9567	Hs.276925	NM_004286	ENSG0000(	GTPBP1	GP-1|GP1|	GTP bindi	protein-coding
chr5-7299	9.889319	0.337237	0.747226	0.451319	0.651759	0.981636	chr5	72990879	72991508	+	0	NA	intron (N	AluSq|SIN	35152	NM_001146	115548	Hs.165762	NM_138782	ENSG0000(	FCHO2	-	FCH domai	protein-coding

chr19-489	10.4349	0.3273	0.725303	0.45126	0.651802	0.981636	chr19	48955879	48958382	+	0	NA	intron (N	L2b|LINE|	2255	NM_001291	581	Hs.624291	NM_004324	ENSG00000	BAX	BCL2L4	BCL2 asso	protein-coding
chr21-257	10.4349	0.3273	0.725303	0.45126	0.651802	0.981636	chr21	25727157	25729709	+	0	NA	intron (N	intron (N	-6539	NM_001197	2551	Hs.473470	NM_002040	ENSG00000	GABPA	E4TF1-60|	GA bindin	protein-coding
chr5-7386	8.698604	-0.35936	0.796933	-0.45093	0.652043	0.981636	chr5	73869980	73871248	+	0	NA	intron (N	intron (N	57068	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-8768	8.698604	-0.35936	0.796933	-0.45093	0.652043	0.981636	chr6	87680500	87681339	+	0	NA	intron (N	intron (N	21314	NM_018064	55122	Hs.485915	NM_018064	ENSG00000	AKIRIN2	C6orf166|	akirin 2	protein-coding
chr1-8525	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr1	85256704	85258507	+	0	NA	intron (N	L2c|LINE|	2057	NR_024113	148423	Hs.26226	NM_198077	ENSG00000	C1orf52	gm117	chromosom	protein-coding
chr1-1502	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSc8|SI	4971	NM_018997	54460	Hs.405880	NM_018997	ENSG00000	MRPS21	MDS016|MR	mitochond	protein-coding
chr1-2354	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	66944	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr10-969	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr10	96981617	96982015	+	0	NA	exon (NM_	exon (NM_	-120940	NR_038330	1.01E+08	Hs.568878	NR_038330	ENSG00000	SLIT1-AS1	-	SLIT1 ant	ncRNA
chr12-558	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr12	55819962	55823477	+	0	NA	3’ UTR (N	3’ UTR (N	3678	NM_014182	29095	Hs.534450	NM_014182	ENSG00000	ORMDL2	HSPC160|M	ORMDL sph	protein-coding
chr12-108	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	5252	NM_014301	23479	Hs.615131	NM_014301	ENSG00000	ISCU	2310020H2	iron-sulf	protein-coding
chr16-219	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr16	21956071	21969335	+	0	NA	intron (N	intron (N	9342	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr17-497	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr17	49701717	49704723	+	0	NA	exon (NM_	exon (NM_	4744	NM_001278	10237	Hs.154073	NM_005827	ENSG00000	SLC35B1	UGTREL1	solute ca	protein-coding
chr17-787	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr17	78701729	78702041	+	0	NA	intron (N	intron (N	15147	NM_001292	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr7-6613	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr7	66130579	66133096	+	0	NA	intron (N	AluSp|SIN	16990	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr9-4383	9.905035	0.334149	0.741435	0.450679	0.652221	0.981636	chr9	43830184	43830603	+	0	NA	Intergeni	ALR/Alpha	704227	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-6686	16.12569	0.269	0.596906	0.450658	0.652236	0.981636	chr7	6686099	6702091	+	0	NA	intron (N	AluSx1|SI	12852	NM_006956	7559	Hs.431471	NM_006956	ENSG00000	ZNF12	GIOT-3|HZ	zinc fing	protein-coding
chr1-6695	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr1	66953541	66953761	+	0	NA	intron (N	AluSz|SIN	23395	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr1-2064	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	promoter-	promoter-	79	NR_106919	1.02E+08		NR_106919	ENSG00000	MIR6769B	hsa-mir-6	microRNA	ncRNA
chr15-414	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr15	41457138	41459465	+	0	NA	intron (N	L2a|LINE|	-35573	NM_002220	3706	Hs.2722	NM_002220	ENSG00000	ITPKA	IP3-3KA|I	inositol-	protein-coding
chr16-307	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr16	30764119	30772975	+	0	NA	intron (N	intron (N	6225	NM_001286	9810	Hs.65238	NM_014771	ENSG00000	RNF40	BRE1B|RBP	ring fing	protein-coding
chr2-6918	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr2	69181813	69184153	+	0	NA	intron (N	intron (N	79301	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr21-337	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr21	33775201	33775492	+	0	NA	intron (N	L2a|LINE|	132845	NM_001331	6453	Hs.90221	NM_003024	ENSG00000	ITSN1	ITSN|SH3D	intersect	protein-coding
chr6-3195	9.408447	0.34458	0.764627	0.450652	0.652241	0.981636	chr6	31953584	31956977	+	0	NA	exon (NM_	exon (NM_	1660	NR_031601	1E+08		NR_031601	ENSG00000	MIR1236	MIRN1236|	microRNA	ncRNA
chr8-4891	12.29922	-0.305	0.677057	-0.45048	0.652364	0.981636	chr8	48917231	48921332	+	0	NA	intron (N	intron (N	2148	NM_003068	6591	Hs.360174	NM_003068	ENSG00000	SNAI2	SLUG|SLUG	snail fam	protein-coding
chr9-1718	12.29922	-0.305	0.677057	-0.45048	0.652364	0.981636	chr9	17186	17407	+	0	NA	intron (N	intron (N	5309	NR_051986	1E+08	Hs.719844	NR_051986		DDX11L5	-	DEAD/H-bo	pseudo
chr6-2471	9.899027	0.344885	0.765892	0.450305	0.65249	0.981636	chr6	24718194	24718435	+	0	NA	intron (N	intron (N	840	NM_030939	81688	Hs.744857	NM_030939	ENSG00000	C6orf62	Nbla00237	chromosom	protein-coding
chr1-2143	8.706461	-0.36082	0.80129	-0.4503	0.652495	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	105366	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr19-199	8.706461	-0.36082	0.80129	-0.4503	0.652495	0.981636	chr19	1996096	1996962	+	0	NA	intron (N	intron (N	19185	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr4-8469	8.706461	-0.36082	0.80129	-0.4503	0.652495	0.981636	chr4	84695304	84696100	+	0	NA	intron (N	L2|LINE|L	112575	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr1-1459	5.717877	0.433626	0.963448	0.450078	0.652655	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-14449	NM_005105	9939	Hs.591455	NM_005105	ENSG00000	RBM8A	BOV-1A|BO	RNA bindi	protein-coding
chr18-458	5.717877	0.433626	0.963448	0.450078	0.652655	0.981636	chr18	45848891	45850136	+	0	NA	3’ UTR (N	3’ UTR (N	23838	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr6-3621	5.717877	0.433626	0.963448	0.450078	0.652655	0.981636	chr6	36214592	36215887	+	0	NA	intron (N	AluSx1|SI	18495	NM_015695	27154	Hs.520096	NM_015695	ENSG00000	BRPF3	-	bromodoma	protein-coding
chr17-283	8.690746	-0.35786	0.795375	-0.44993	0.65276	0.981636	chr17	28348065	28349163	+	0	NA	intron (N	AluSp|SIN	8913	NM_015584	26073	Hs.241543	NM_015584	ENSG00000	POLDIP2	PDIP38|PO	DNA polym	protein-coding
chr3-1200	8.690746	-0.35786	0.795375	-0.44993	0.65276	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	HERVIP10E	44341	NR_162125	1.14E+08		NR_162125		MIR6529	-	microRNA	ncRNA
chr7-1349	8.690746	-0.35786	0.795375	-0.44993	0.65276	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	L1PB1|LIN	37902	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr8-2635	8.690746	-0.35786	0.795375	-0.44993	0.65276	0.981636	chr8	26350184	26350935	+	0	NA	intron (N	AluJr|SIN	32394	NR_144550	157489	Hs.586388	NR_144550	ENSG00000	SDAD1P1	-	SDA1 doma	pseudo
chrX-4508	8.690746	-0.35786	0.795375	-0.44993	0.65276	0.981636	chrX	45083649	45084173	+	0	NA	intron (N	intron (N	116965	NM_176819	79742	Hs.98321	NM_024689	ENSG00000	DIPK2B	4930578C1	divergent	protein-coding
chr17-356	9.150352	-0.35422	0.787779	-0.44964	0.65297	0.981636	chr17	35680474	35680727	+	0	NA	intron (N	AluJb|SIN	-51039	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr3-1970	9.150352	-0.35422	0.787779	-0.44964	0.65297	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSq2|SI	-25188	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAP	melanotra	protein-coding
chr12-121	6.400076	-0.41332	0.9198	-0.44936	0.653169	0.981636	chr12	12163065	12164172	+	0	NA	intron (N	intron (N	51666	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr2-1547	6.400076	-0.41332	0.9198	-0.44936	0.653169	0.981636	chr2	15474615	15475167	+	0	NA	intron (N	intron (N	86443	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr5-3718	6.400076	-0.41332	0.9198	-0.44936	0.653169	0.981636	chr5	37186967	37187597	+	0	NA	intron (N	L1MA9|LIN	-61764	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr11-282	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr11	28292391	28292955	+	0	NA	intron (N	L1PA4|LIN	184285	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr12-823	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr12	82354208	82356774	+	0	NA	intron (N	MER44C|DN	2896	NM_014167	29080	Hs.582627	NM_014167	ENSG00000	CCDC59	BR22|HSPC	coiled-co	protein-coding
chr15-943	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr15	94391073	94391945	+	0	NA	intron (N	intron (N	35579	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr17-780	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr17	78099928	78100261	+	0	NA	intron (N	THE1B-int	11705	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C an	ncRNA
chr4-1478	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	41264	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr7-1572	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	87578	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr9-1278	6.392218	-0.41123	0.915386	-0.44925	0.653253	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	non-codin	non-codin	220	NR_136302	1.03E+08		NR_136302	ENSG00000	LOC102723	-	uncharact	ncRNA
chr1-2394	6.358937	-0.41714	0.92865	-0.44919	0.653294	0.981636	chr1	2394491	2394846	+	0	NA	intron (N	MIRb|SINE	2827	NM_007033	11079	Hs.525527	NM_007033	ENSG00000	RER1	-	retention	protein-coding
chr12-122	6.358937	-0.41714	0.92865	-0.44919	0.653294	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-32524	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr8-1449	10.47604	0.328495	0.731415	0.449123	0.653343	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	L1PA8|LIN	-4268	NR_002807	286102	Hs.744580	NR_002807		TMED10P1	S31I125|S	transmemb	pseudo
chr1-4049	10.44276	0.325836	0.725508	0.449114	0.653349	0.981636	chr1	40494883	40499967	+	0	NA	Intergeni	AluSx1|SI	-11294	NM_001346	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr11-720	10.44276	0.325836	0.725508	0.449114	0.653349	0.981636	chr11	72097427	72099259	+	0	NA	exon (NM_	exon (NM_	4954	NM_017907	55004	Hs.731528	NM_017907	ENSG00000	LAMTOR1	C11orf59|	late endo	protein-coding
chr12-107	10.44276	0.325836	0.725508	0.449114	0.653349	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJo|SIN	12653	NM_001317	11137	Hs.506652	NM_007062	ENSG00000	PWP1	IEF-SSP-9	PWP1 homo	protein-coding
chr10-983	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr10	98395382	98396480	+	0	NA	promoter-	promoter-	-624	NR_031619	1E+08		NR_031619	ENSG00000	MIR1287	MIRN1287|	microRNA	ncRNA
chr11-936	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr11	93676913	93677396	+	0	NA	intron (N	intron (N	15472	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr12-722	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr12	72258306	72264408	+	0	NA	intron (N	intron (N	-11392	NM_013381	29953	Hs.199814	NM_013381	ENSG00000	TRHDE	PAP-II|PG	thyrotrop	protein-coding
chr15-249	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr15	24962081	24962790	+	0	NA	intron (N	intron (N	7443	NM_001349	6638	Hs.564847	NM_003097	ENSG00000	SNRPN	HCERN3|PW	small nuc	protein-coding
chr15-846	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr15	84667685	84667930	+	0	NA	Intergeni	Intergeni	-9608	NM_205858	4828	Hs.386470	NM_021077	ENSG00000	NMB	-	neuromedi	protein-coding
chr17-106	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr17	10679197	10680862	+	0	NA	3’ UTR (N	3’ UTR (N	17504	NM_004589	6341	Hs.14511	NM_004589	ENSG00000	SCO1	SCOD1	SCO cytoc	protein-coding
chr17-625	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr17	62565188	62567363	+	0	NA	intron (N	intron (N	-61395	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr18-799	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr18	79916557	79917297	+	0	NA	intron (N	MER21A|LT	34726	NM_001146	80148	Hs.288284	NM_025078	ENSG00000	SLC66A2	PQLC1	solute ca	protein-coding
chr2-2009	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	28648	NR_033915	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr6-1444	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	93640	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr8-6058	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr8	60587248	60588707	+	0	NA	intron (N	L1ME1|LIN	70990	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr9-8366	5.948328	-0.42641	0.949575	-0.44906	0.653391	0.981636	chr9	83668072	83669335	+	0	NA	intron (N	intron (N	-39132	NR_135839	1.05E+08	Hs.9589	NR_135839	ENSG00000	LOC105376	-	uncharact	ncRNA
chr10-270	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr10	27062548	27063142	+	0	NA	intron (N	AluSx|SIN	37653	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr11-728	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr11	72819143	72820040	+	0	NA	intron (N	intron (N	5180	NM_001318	89849	Hs.653186	NM_033388	ENSG00000	ATG16L2	ATG16B|WD	autophagy	protein-coding
chr14-677	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr14	67786382	67787266	+	0	NA	intron (N	L1MA2|LIN	29766	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr15-943	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr15	94354735	94355460	+	0	NA	promoter-	promoter-	-833	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr17-780	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr17	78092511	78095065	+	0	NA	intron (N	intron (N	18011	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C an	ncRNA
chr2-9382	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr2	93825329	93826203	+	0	NA	Intergeni	ALR/Alpha	382653	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr2-1967	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	8632	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr6-1548	5.725735	0.430931	0.959775	0.448991	0.653438	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-36437	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr16-188	7.423944	0.410975	0.915995	0.448665	0.653673	0.981636	chr16	18895228	18895651	+	0	NA	intron (N	AluSz|SIN	30965	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr2-6122	9.946174	0.335312	0.747438	0.448615	0.65371	0.981636	chr2	61228265	61228662	+	0	NA	intron (N	intron (N	51045	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr5-1729	9.946174	0.335312	0.747438	0.448615	0.65371	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	11857	NM_003945	8992	Hs.484188	NM_003945	ENSG00000	ATP6V0E1	ATP6H|ATP	ATPase H+	protein-coding
chr17-160	9.367307	0.343351	0.765493	0.448535	0.653767	0.981636	chr17	16038458	16039047	+	0	NA	intron (N	intron (N	38928	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr1-1500	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx1|SI	27675	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr11-182	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr11	18281689	18281967	+	0	NA	intron (N	MIR3|SINE	15564	NM_199161	6288	Hs.632144	NM_000331	ENSG00000	SAA1	PIG4|SAA|	serum amy	protein-coding
chr16-717	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr16	71769215	71771606	+	0	NA	intron (N	intron (N	-11923	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr2-1613	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	L2b|LINE|	-20072	NM_006593	10716	Hs.210862	NM_006593	ENSG00000	TBR1	IDDAS|TBR	T-box bra	protein-coding
chr3-1237	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME4b|LI	97178	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-9877	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr5	98779488	98783706	+	0	NA	intron (N	intron (N	7934	NM_001366	285704	Hs.526902	NM_173670	ENSG00000	RGMB	DRAGON	repulsive	protein-coding
chr6-5648	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr6	56485539	56487508	+	0	NA	intron (N	intron (N	-92395	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr6-1529	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4693	NM_001114	54516	Hs.225836	NM_019041	ENSG00000	MTRF1L	HMRF1L|MF	mitochond	protein-coding
chr8-3047	9.111063	-0.34682	0.773664	-0.44829	0.653945	0.981636	chr8	30478280	30481324	+	0	NA	intron (N	intron (N	-94401	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr17-188	5.710019	0.436466	0.975143	0.447592	0.654448	0.981636	chr17	18885460	18886505	+	0	NA	intron (N	AluSz|SIN	20513	NM_001243	5636	Hs.632236	NM_002767	ENSG00000	PRPSAP2	PAP41	phosphori	protein-coding
chr3-1017	5.710019	0.436466	0.975143	0.447592	0.654448	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx1|SI	15687	NM_001348	91775	Hs.595933	NM_145037	ENSG00000	NXPE3	FAM55C|MS	neurexoph	protein-coding
chr16-272	4.665995	0.483319	1.079919	0.447551	0.654477	0.981636	chr16	27224496	27226059	+	0	NA	intron (N	intron (N	21302	NM_001145	79831	Hs.145717	NM_024773	ENSG00000	KDM8	JMJD5	lysine de	protein-coding
chr1-1863	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	MamRep605	4890	NM_017847	54953	Hs.371210	NM_017847	ENSG00000	ODR4	C1orf27|T	odr-4 GPC	protein-coding
chr1-2045	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	13185	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr1-2402	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	exon (NM_	exon (NM_	166129	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-733	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr10	73392878	73398134	+	0	NA	intron (N	AluSq2|SI	18552	NM_001156	310	Hs.631827	NM_001156	ENSG00000	ANXA7	ANX7|SNX|	annexin A	protein-coding
chr10-997	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr10	99747040	99748063	+	0	NA	intron (N	intron (N	-14885	NM_001320	1355	Hs.28326	NM_004376	ENSG00000	COX15	CEMCOX2	cytochrom	protein-coding
chr15-992	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr15	99218018	99218921	+	0	NA	intron (N	intron (N	31112	NM_001288	64927	Hs.513195	NM_022905	ENSG00000	TTC23	HCC-8	tetratric	protein-coding
chr19-127	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr19	12700077	12707157	+	0	NA	promoter-	promoter-	54	NR_132756	1.07E+08		NR_132756		SNORD135	ZL2	small nuc	snoRNA
chr19-183	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr19	18355532	18359501	+	0	NA	exon (NM_	exon (NM_	16918	NM_001329	54858	Hs.131776	NM_017712	ENSG00000	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr22-309	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr22	30943451	30946477	+	0	NA	intron (N	L2|LINE|L	22656	NR_026920	150291	Hs.592202	NM_153044	ENSG00000	MORC2-AS1	C22orf27|	MORC2 ant	ncRNA
chr3-5247	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr3	52471248	52478211	+	0	NA	intron (N	AluSx1|SI	19125	NM_007184	11188	Hs.435290	NM_007184	ENSG00000	NISCH	I-1|IR1|I	nischarin	protein-coding
chr5-1795	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	3304	NM_001040	80230	Hs.306769	NM_025158	ENSG00000	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr6-1437	9.912893	0.3326	0.743164	0.447546	0.654481	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-75905	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr16-302	9.16006	-0.34581	0.772962	-0.44738	0.654598	0.981636	chr16	30291204	30292420	+	0	NA	intron (N	intron (N	-43399	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr1-2351	8.682888	-0.35632	0.796578	-0.44732	0.654646	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluY|SINE	-9401	NM_015014	23029	Hs.535224	NM_015014	ENSG00000	RBM34	-	RNA bindi	protein-coding
chr2-7136	8.682888	-0.35632	0.796578	-0.44732	0.654646	0.981636	chr2	71360857	71361913	+	0	NA	intron (N	MIR|SINE|	29603	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr10-112	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	intron (N	Charlie4z	-17481	NM_001351	64429	Hs.196990	NM_022494	ENSG00000	ZDHHC6	DHHC-6|ZN	zinc fing	protein-coding
chr12-577	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr12	57746234	57751025	+	0	NA	promoter-	promoter-	53	NR_106817	1.02E+08		NR_106817	ENSG00000	MIR6759	hsa-mir-6	microRNA	ncRNA
chr12-122	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	MIRc|SINE	6097	NM_014938	22877	Hs.437153	NM_014938	ENSG00000	MLXIP	MIR|MONDO	MLX inter	protein-coding
chr14-101	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	L1ME4a|LI	-11190	NR_029871	494328		NR_029871	ENSG00000	MIR379	MIRN379|h	microRNA	ncRNA
chr15-417	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr15	41736308	41738543	+	0	NA	intron (N	AluSx|SIN	-37059	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr2-3646	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr2	36463679	36468656	+	0	NA	intron (N	AluY|SINE	110389	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-3650	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr2	36509911	36514457	+	0	NA	intron (N	intron (N	85984	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr20-505	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr20	50581547	50584375	+	0	NA	3’ UTR (N	3’ UTR (N	-2825	NR_030375	693230		NR_030375	ENSG00000	MIR645	MIRN645|h	microRNA	ncRNA
chr3-4045	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr3	40458410	40464340	+	0	NA	intron (N	intron (N	4036	NM_003973	9045	Hs.446522	NM_003973	ENSG00000	RPL14	CAG-ISL-7	ribosomal	protein-coding
chr3-1837	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	Tigger1|D	27982	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr5-1666	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr5	16664370	16669064	+	0	NA	exon (NM_	exon (NM_	-49659	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-7152	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr5	71522802	71524374	+	0	NA	intron (N	AluSq2|SI	-63752	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcro	protein-coding
chr5-1328	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1694	NM_001288	2661	Hs.25022	NM_005260	ENSG00000	GDF9	POF14	growth di	protein-coding
chr6-1212	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chr6	12121020	12121383	+	0	NA	exon (NM_	exon (NM_	108889	NM_002114	3096	Hs.567284	NM_002114	ENSG00000	HIVEP1	CIRIP|CRY	human imm	protein-coding
chrX-1383	9.152202	-0.34438	0.770217	-0.44712	0.654791	0.981636	chrX	1383695	1391004	+	0	NA	exon (NM_	exon (NM_	4764	NM_001636	293	Hs.350927	NM_001636	ENSG00000	SLC25A6	AAC3|ANT|	solute ca	protein-coding
chr1-2143	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	98206	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr11-637	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr11	63757795	63760974	+	0	NA	TTS (NM_0	TTS (NM_0	9391	NM_001144	65998	Hs.191073	NM_001144	ENSG00000	C11orf95	-	chromosom	protein-coding

chr15-422	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr15	42212471	42213226	+	0	NA	intron (N	HAL1|LINE	-4544	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr15-772	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr15	77260747	77261431	+	0	NA	intron (N	L1PA3|LIN	-35685	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr2-1326	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	24088	NM_001321	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr20-314	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr20	3148554	3148753	+	0	NA	exon (NM_	exon (NM_	11212	NM_021826	60493	Hs.741168	NM_021826	ENSG00000	FASTKD5	dJ1187M17	FAST kina	protein-coding
chr4-1393	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	68995	NR_159963	1.08E+08	Hs.605782	NR_159963		LOC107984	-	uncharact	ncRNA
chr7-6590	6.38436	-0.40922	0.915288	-0.4471	0.654804	0.981636	chr7	65901634	65902082	+	0	NA	intron (N	L1MEc|LIN	28784	NM_001284	154807	Hs.427232	NM_173517	ENSG00000	VKORC1L1	-	vitamin K	protein-coding
chr19-211	8.608467	-0.36302	0.812545	-0.44677	0.655038	0.981636	chr19	21170773	21171053	+	0	NA	intron (N	AluSx3|SI	28873	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr18-123	10.40162	0.324701	0.727309	0.446441	0.655278	0.981636	chr18	12355773	12356880	+	0	NA	intron (N	AluSz|SIN	20950	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr15-496	12.32465	-0.301	0.674304	-0.44638	0.655321	0.981636	chr15	49624088	49626403	+	0	NA	exon (NM_	exon (NM_	4197	NM_001144	56986	Hs.127432	NM_020234	ENSG00000	DTWD1	MDS009	DTW domai	protein-coding
chr8-2240	5.486871	-0.45465	1.018778	-0.44627	0.655399	0.981636	chr8	22406623	22407173	+	0	NA	intron (N	MamRep605	14062	NM_001351	23516	Hs.491232	NM_015359	ENSG00000	SLC39A14	HCIN|HMNI	solute ca	protein-coding
chr11-326	9.167918	-0.34726	0.778338	-0.44616	0.655484	0.981636	chr11	32600710	32601734	+	0	NA	TTS (NM_0	TTS (NM_0	17391	NM_006360	10480	Hs.502244	NM_006360	ENSG00000	EIF3M	B5|GA17|F	eukaryoti	protein-coding
chr1-1800	10.40948	0.323227	0.724674	0.44603	0.655575	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx1|SI	-73829	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2007	10.40948	0.323227	0.724674	0.44603	0.655575	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSz|SIN	23541	NM_001297	23271	Hs.23585	NM_203459	ENSG00000	CAMSAP2	CAMSAP1L1	calmoduli	protein-coding
chr11-118	10.40948	0.323227	0.724674	0.44603	0.655575	0.981636	chr11	1.18E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	-31787	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr14-498	10.40948	0.323227	0.724674	0.44603	0.655575	0.981636	chr14	49830430	49838455	+	0	NA	exon (NM_	exon (NM_	18346	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr6-4315	10.40948	0.323227	0.724674	0.44603	0.655575	0.981636	chr6	43152444	43153404	+	0	NA	intron (N	AluSz|SIN	-18345	NM_003131	6722	Hs.520140	NM_003131	ENSG00000	SRF	MCM1	serum res	protein-coding
chr1-1086	12.36578	-0.29921	0.670957	-0.44595	0.655633	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	5’ UTR (N	5’ UTR (N	5693	NM_001349	55119	Hs.342307	NM_018061	ENSG00000	PRPF38B	NET1	pre-mRNA	protein-coding
chr22-384	12.36578	-0.29921	0.670957	-0.44595	0.655633	0.981636	chr22	38482351	38491647	+	0	NA	intron (N	AluSz|SIN	18903	NM_006855	11015	Hs.745072	NM_006855	ENSG00000	KDELR3	ERD2L3	KDEL endo	protein-coding
chr4-7887	5.907188	-0.4302	0.965648	-0.44551	0.655954	0.981636	chr4	78877461	78879009	+	0	NA	intron (N	intron (N	61203	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr6-4053	5.907188	-0.4302	0.965648	-0.44551	0.655954	0.981636	chr6	4053978	4054383	+	0	NA	intron (N	AluJr4|SI	24957	NM_173563	222826	Hs.657342	NM_173563	ENSG00000	FAM217A	C6orf146	family wi	protein-coding
chr6-1548	5.907188	-0.4302	0.965648	-0.44551	0.655954	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-46983	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr1-5511	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr1	55119027	55127410	+	0	NA	intron (N	L2c|LINE|	82996	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-1090	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11552	NM_005645	6884	Hs.632426	NM_005645	ENSG00000	TAF13	MRT60|TAF	TATA-box	protein-coding
chr11-741	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr11	74112726	74114771	+	0	NA	intron (N	intron (N	57254	NM_015531	26005	Hs.557938	NM_015531	ENSG00000	C2CD3	OFD14	C2 domain	protein-coding
chr13-211	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr13	21142360	21143431	+	0	NA	intron (N	L1MB4|LIN	2349	NM_001366	10284	Hs.524899	NM_005870	ENSG00000	SAP18	2HOR0202|	Sin3A ass	protein-coding
chr13-369	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr13	36973918	36976343	+	0	NA	intron (N	AluSc|SIN	24210	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr15-774	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr15	77480006	77480246	+	0	NA	intron (N	AluJb|SIN	-45469	NR_135692	1.02E+08	Hs.637111	NR_135692	ENSG00000	LOC101929	-	uncharact	ncRNA
chr16-910	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr16	9103004	9108100	+	0	NA	intron (N	intron (N	13908	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr2-7021	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr2	70219442	70224741	+	0	NA	intron (N	L1MB7|LIN	26537	NR_147227	7072	Hs.413123	NM_022037	ENSG00000	TIA1	TIA-1|WDM	TIA1 cyto	protein-coding
chr2-1121	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-30126	NM_153214	129804	Hs.437696	NM_153214	ENSG00000	FBLN7	TM14	fibulin 7	protein-coding
chr3-3850	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr3	38501927	38502436	+	0	NA	intron (N	AluSx1|SI	5841	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endon	protein-coding
chr3-1793	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSp|SIN	8018	NM_016331	51193	Hs.632578	NM_016331	ENSG00000	ZNF639	ANC-2H01|	zinc fing	protein-coding
chr3-1913	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	-44055	NR_120606	1.03E+08		NR_120606		LINCR-000	-	uncharact	ncRNA
chr5-1107	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	AluY|SINE	6424	NM_001303	91137	Hs.75639	NM_138773	ENSG00000	SLC25A46	HMSN6B	solute ca	protein-coding
chr6-5656	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr6	56562753	56567080	+	0	NA	intron (N	L1PA7|LIN	77973	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr7-9956	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr7	99563417	99570138	+	0	NA	intron (N	AluJb|SIN	7943	NM_001363	79027	Hs.599798	NM_024061	ENSG00000	ZNF655	VIK|VIK-1	zinc fing	protein-coding
chr8-1028	9.144344	-0.34294	0.77003	-0.44536	0.656059	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	11954	NM_001301	51582	Hs.459106	NM_015878	ENSG00000	AZIN1	AZI|AZI1|	antizyme	protein-coding
chr16-115	10.45062	0.324378	0.728555	0.445234	0.65615	0.981636	chr16	11548228	11550903	+	0	NA	non-codin	non-codin	-22318	NM_001370	400499	Hs.459937	NM_001370	ENSG00000	LOC400499	-	putative	protein-coding
chr10-870	3.69279	-0.53141	1.193628	-0.4452	0.656172	0.981636	chr10	87045345	87045927	+	0	NA	Intergeni	FLAM_C|SI	25342	NM_001146	643161	Hs.729945	NM_001146	ENSG00000	FAM25A	bA96C23.5	family wi	protein-coding
chr1-1603	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	Intergeni	Intergeni	-5950	NM_005598	4807	Hs.30956	NM_005598	ENSG00000	NHLH1	HEN1|NSCL	nescient	protein-coding
chr11-621	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chr11	6212704	6213348	+	0	NA	intron (N	intron (N	7469	NM_173525	160298	Hs.278221	NM_173525	ENSG00000	C11orf42	-	chromosom	protein-coding
chr16-570	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chr16	57055161	57055884	+	0	NA	intron (N	GA-rich|L	-37061	NM_152727	221184	Hs.339809	NM_152727	ENSG00000	CPNE2	COPN2|CPN	copine 2	protein-coding
chr18-460	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chr18	46032489	46033527	+	0	NA	intron (N	intron (N	39252	NM_024430	9050	Hs.567384	NM_024430	ENSG00000	PSTPIP2	MAYP	proline-s	protein-coding
chr18-552	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chr18	55259973	55260610	+	0	NA	intron (N	MIR3|SINE	42369	NM_001348	6925	Hs.605153	NM_003199	ENSG00000	TCF4	E2-2|FECD	transcrip	protein-coding
chrX-5356	5.203723	0.451674	1.014858	0.445061	0.656276	0.981636	chrX	53563790	53565011	+	0	NA	intron (N	intron (N	-7126	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr17-418	6.351079	-0.41519	0.932939	-0.44504	0.656294	0.981636	chr17	41867142	41867514	+	0	NA	3’ UTR (N	3’ UTR (N	-1905	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr19-581	8.911858	0.355938	0.799801	0.445034	0.656295	0.981636	chr19	58177721	58178645	+	0	NA	Intergeni	Intergeni	-4806	NM_016324	10782	Hs.83761	NM_016324	ENSG00000	ZNF274	HFB101|ZF	zinc fing	protein-coding
chr2-2312	8.911858	0.355938	0.799801	0.445034	0.656295	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	non-codin	non-codin	-73736	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr7-3058	8.911858	0.355938	0.799801	0.445034	0.656295	0.981636	chr7	30584709	30585121	+	0	NA	Intergeni	MER4A1_|L	-7136	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr15-523	5.733593	0.428287	0.963486	0.444518	0.656668	0.981636	chr15	52318861	52319520	+	0	NA	exon (NM_	exon (NM_	-23386	NM_018728	55930	Hs.487036	NM_018728	ENSG00000	MYO5C	-	myosin VC	protein-coding
chr16-874	5.733593	0.428287	0.963486	0.444518	0.656668	0.981636	chr16	87412715	87414622	+	0	NA	intron (N	intron (N	21332	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr17-294	5.733593	0.428287	0.963486	0.444518	0.656668	0.981636	chr17	29401850	29402610	+	0	NA	intron (N	intron (N	11305	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAP	TAO kinas	protein-coding
chr5-8079	5.733593	0.428287	0.963486	0.444518	0.656668	0.981636	chr5	80793181	80793885	+	0	NA	intron (N	L2b|LINE|	-138550	NM_000791	1719	Hs.592364	NM_000791	ENSG00000	DHFR	DHFRP1|DY	dihydrofo	protein-coding
chrX-5359	8.407412	0.370462	0.833589	0.444418	0.65674	0.981636	chrX	53592482	53593168	+	0	NA	intron (N	MSTA|LTR|	-35551	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr1-2360	9.416304	0.342849	0.771686	0.444285	0.656836	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	21576	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr17-394	9.416304	0.342849	0.771686	0.444285	0.656836	0.981636	chr17	39471954	39473355	+	0	NA	intron (N	L1MC4|LIN	11168	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr17-402	9.416304	0.342849	0.771686	0.444285	0.656836	0.981636	chr17	40256799	40258431	+	0	NA	intron (N	AluSz|SIN	-30264	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr11-280	6.4255	-0.40563	0.913399	-0.44409	0.656975	0.981636	chr11	28002181	28003006	+	0	NA	Intergeni	THE1B-int	-54222	NR_030341	693195		NR_030341	ENSG00000	MIR610	MIRN610|h	microRNA	ncRNA
chr6-4226	6.4255	-0.40563	0.913399	-0.44409	0.656975	0.981636	chr6	42269434	42270127	+	0	NA	5’ UTR (N	5’ UTR (N	-51919	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochond	protein-coding
chr8-1030	6.4255	-0.40563	0.913399	-0.44409	0.656975	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	AluJb|SIN	41097	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATP	ATPase H+	protein-coding
chr1-4635	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr1	46358933	46359869	+	0	NA	intron (N	AluSc|SIN	18223	NM_001256	387338	Hs.163424	NM_199044	ENSG00000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr12-986	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr12	98631129	98633828	+	0	NA	intron (N	AluJr|SIN	12310	NM_153687	121457	Hs.252543	NM_153687	ENSG00000	IKBIP	IKIP	IKBKB int	protein-coding
chr12-109	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	4955	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr12-123	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJr|SIN	3680	NM_024809	79867	Hs.167165	NM_024809	ENSG00000	TCTN2	C12orf38|	tectonic	protein-coding
chr13-459	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr13	45963495	45965364	+	0	NA	intron (N	intron (N	88317	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr17-661	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr17	6618897	6619915	+	0	NA	intron (N	L1ME3B|LI	21305	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr17-602	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr17	60204703	60205559	+	0	NA	intron (N	intron (N	26514	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Caj	ncRNA
chr19-530	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr19	53088208	53089242	+	0	NA	intron (N	MER21C|LT	-1688	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr2-1444	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-87789	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr22-241	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr22	24175531	24176336	+	0	NA	intron (N	intron (N	-5554	NM_019601	56241	Hs.131819	NM_019601	ENSG00000	SUSD2	BK65A6.2|	sushi dom	protein-coding
chr3-5724	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr3	57247299	57248614	+	0	NA	intron (N	Tigger19b	20227	NM_012096	26060	Hs.476415	NM_012096	ENSG00000	APPL1	APPL|DIP1	adaptor p	protein-coding
chr5-3237	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr5	32372439	32374263	+	0	NA	intron (N	AluSg|SIN	21124	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-8727	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr5	87270946	87271800	+	0	NA	intron (N	intron (N	2449	NM_022650	5921	Hs.664080	NM_002890	ENSG00000	RASA1	CM-AVM|CM	RAS p21 p	protein-coding
chr6-4110	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr6	41100264	41100774	+	0	NA	promoter-	promoter-	-515	NR_026938	221442	Hs.374076	NM_001010	ENSG00000	ADCY10P1	-	ADCY10 ps	pseudo
chr7-9946	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr7	99463097	99464439	+	0	NA	intron (N	AluSq2|SI	2399	NM_001198	1.01E+08		NM_001198	ENSG00000	ATP5MF-PT	ATP5J2-PT	ATP5MF-PT	protein-coding
chr8-2663	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr8	26630454	26632835	+	0	NA	intron (N	intron (N	53239	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr8-1335	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSz|SIN	54339	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-3247	6.417642	-0.40361	0.909021	-0.44401	0.657037	0.981636	chr9	32471134	32472744	+	0	NA	intron (N	intron (N	54257	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr4-5427	12.35793	-0.29812	0.671569	-0.44392	0.657101	0.981636	chr4	54277889	54280475	+	0	NA	intron (N	intron (N	45222	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr1-1515	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	20064	NR_030280	693139		NR_030280	ENSG00000	MIR554	MIRN554|h	microRNA	ncRNA
chr1-1558	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	34959	NM_032292	54856	Hs.656361	NM_032292	ENSG00000	GON4L	GON-4|GON	gon-4 lik	protein-coding
chr1-2467	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	Charlie7|	6175	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr10-780	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr10	78010854	78026207	+	0	NA	intron (N	MER104|DN	10985	NM_007055	11128	Hs.436896	NM_007055	ENSG00000	POLR3A	ADDH|HLD7	RNA polym	protein-coding
chr11-720	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr11	72015481	72025121	+	0	NA	intron (N	L2|LINE|L	6010	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA
chr14-748	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr14	74889559	74904599	+	0	NA	intron (N	intron (N	15163	NR_045209	1743	Hs.525459	NM_001933	ENSG00000	DLST	DLTS	dihydroli	protein-coding
chr16-199	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr16	1997806	1999526	+	0	NA	intron (N	CpG	8696	NM_004209	9143	Hs.435277	NM_004209	ENSG00000	SYNGR3	-	synaptogy	protein-coding
chr16-858	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr16	85801852	85806106	+	0	NA	intron (N	L2a|LINE|	4284	NM_001318	1327	Hs.433419	NM_001861	ENSG00000	COX4I1	COX IV-1|	cytochrom	protein-coding
chr17-286	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr17	28669236	28696230	+	0	NA	exon (NM_	exon (NM_	20528	NM_003170	6830	Hs.250429	NM_003170	ENSG00000	SUPT6H	SPT6|SPT6	SPT6 homo	protein-coding
chr17-685	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr17	68521428	68532126	+	0	NA	intron (N	L1PA15|LI	11383	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr17-760	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr17	76055906	76068760	+	0	NA	intron (N	AluJo|SIN	-8677	NM_001260	6730	Hs.514495	NM_014230	ENSG00000	SRP68	-	signal re	protein-coding
chr18-234	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr18	23461602	23482878	+	0	NA	intron (N	AluSx|SIN	18953	NR_145477	8780	Hs.445511	NM_003831	ENSG00000	RIOK3	SUDD	RIO kinas	protein-coding
chr19-579	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr19	57991821	58000806	+	0	NA	intron (N	AluSx|SIN	6507	NM_001348	80095	Hs.654967	NM_025027	ENSG00000	ZNF606	ZNF328	zinc fing	protein-coding
chr20-535	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr20	53567632	53578411	+	0	NA	intron (N	MER2|DNA|	10076	NM_006526	7764	Hs.155040	NM_006526	ENSG00000	ZNF217	ZABC1	zinc fing	protein-coding
chr5-1802	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	32056	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chrX-3099	10.41734	0.321763	0.724879	0.443885	0.657126	0.981636	chrX	309941	310954	+	0	NA	intron (N	MLT1C|LTR	8372	NM_012227	8225	Hs.437145	NM_012227	ENSG00000	GTPBP6	PGPL	GTP bindi	protein-coding
chr1-1561	9.891169	0.346724	0.781686	0.443559	0.657361	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSg|SIN	-1541	NM_001282	4000	Hs.594444	NM_005572	ENSG00000	LMNA	CDCD1|CDD	lamin A/C	protein-coding
chr14-746	9.103205	-0.34538	0.77868	-0.44355	0.657367	0.981636	chr14	74662088	74662389	+	0	NA	3’ UTR (N	3’ UTR (N	-50001	NM_000428	4053	Hs.512776	NM_000428	ENSG00000	LTBP2	C14orf141	latent tr	protein-coding
chr3-6401	9.103205	-0.34538	0.77868	-0.44355	0.657367	0.981636	chr3	64019990	64021797	+	0	NA	intron (N	intron (N	2579	NM_001271	9861	Hs.152536	NM_014814	ENSG00000	PSMD6	Rpn7|S10|	proteasom	protein-coding
chr6-1580	9.103205	-0.34538	0.77868	-0.44355	0.657367	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	AluJo|SIN	64598	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr1-5206	6.325655	-0.4237	0.955495	-0.44343	0.657452	0.981636	chr1	52068387	52068636	+	0	NA	intron (N	MIRb|SINE	12216	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr1-2871	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr1	28714712	28715011	+	0	NA	3’ UTR (N	3’ UTR (N	-21760	NM_001173	51441	Hs.532286	NM_016258	ENSG00000	YTHDF2	CAHL|HGRG	YTH N6-me	protein-coding
chr1-4488	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr1	44886612	44887826	+	0	NA	intron (N	MER57-int	-43966	NM_003738	8643	Hs.591497	NM_003738	ENSG00000	PTCH2	PTC2	patched 2	protein-coding
chr10-721	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr10	72195659	72195932	+	0	NA	intron (N	AluSp|SIN	20161	NM_001369	51008	Hs.500007	NM_015947	ENSG00000	ASCC1	ASC1p50|C	activatin	protein-coding
chr11-626	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr11	62673376	62674045	+	0	NA	TTS (NM_0	TTS (NM_0	-1927	NM_001367	79081	Hs.9061	NM_024099	ENSG00000	LBHD1	C11orf48	LBH domai	protein-coding
chr17-633	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr17	63321938	63322228	+	0	NA	intron (N	intron (N	118184	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-3930	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr2	39301828	39302523	+	0	NA	intron (N	intron (N	-58192	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-9860	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr2	98603223	98603716	+	0	NA	intron (N	AluSx1|SI	5043	NM_001008	493753	Hs.596537	NM_001008	ENSG00000	COA5	6330578E1	cytochrom	protein-coding
chr2-1329	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	GA-rich|L	38093	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-2133	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr2	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	18585	NM_024532	79582	Hs.743365	NM_024532	ENSG00000	SPAG16	PF20|WDR2	sperm ass	protein-coding
chr20-347	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr20	34743318	34743701	+	0	NA	intron (N	intron (N	38790	NM_001329	58476	Hs.516994	NM_021202	ENSG00000	TP53INP2	C20orf110	tumor pro	protein-coding
chr3-4816	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr3	48163256	48164085	+	0	NA	intron (N	intron (N	24747	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr3-1126	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	MIR3|SINE	19082	NM_199511	151887	Hs.477128	NM_199511	ENSG00000	CCDC80	CL2|DRO1|	coiled-co	protein-coding
chr3-1143	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	4487	NM_001164	26137	Hs.202577	NM_015642	ENSG00000	ZBTB20	DPZF|HOF|	zinc fing	protein-coding
chr4-1280	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	SVA_C|Ret	23264	NM_032239	55132	Hs.654971	NM_018078	ENSG00000	LARP1B	LARP2	La ribonu	protein-coding
chr5-6090	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr5	60909498	60909939	+	0	NA	intron (N	AluSx|SIN	35352	NM_001007	1161	Hs.435237	NM_000082	ENSG00000	ERCC8	CKN1|CSA|	ERCC exci	protein-coding
chr5-9888	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr5	98885613	98888452	+	0	NA	intron (N	L1MB8|LIN	39502	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr5-1135	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	70489	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-4501	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr7	45018590	45018946	+	0	NA	intron (N	AluSx|SIN	-8866	NM_001029	83605	Hs.148272	NM_031443	ENSG00000	CCM2	C7orf22|C	CCM2 scaf	protein-coding
chr9-1905	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr9	19057475	19058934	+	0	NA	exon (NM_	exon (NM_	5582	NR_003009	677776	Hs.689635	NR_003009	ENSG00000	SCARNA8	U92	small Caj	ncRNA
chr9-1230	5.94047	-0.42411	0.956793	-0.44327	0.657573	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	1097	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr11-281	9.879611	0.329866	0.744414	0.443122	0.657678	0.981636	chr11	28157042	28158600	+	0	NA	intron (N	HERVL-int	49433	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr12-132	8.878577	0.352964	0.796555	0.443114	0.657683	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSx3|SI	8344	NM_001161	55743	Hs.720197	NM_018223	ENSG00000	CHFR	RNF116|RN	checkpoin	protein-coding
chr17-596	8.67503	-0.35472	0.800584	-0.44307	0.657715	0.981636	chr17	59646740	59648567	+	0	NA	exon (NM_	exon (NM_	27758	NM_004859	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding

chr3-5262	8.67503	-0.35472	0.800584	-0.44307	0.657715	0.981636	chr3	52625068	52625416	+	0	NA	intron (N	intron (N	60357	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromc	protein-coding
chr6-1048	5.162583	0.449804	1.015213	0.443063	0.65772	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	53486	NM_001321	57531	Hs.434340	NM_020771	ENSG00000	HACE1	SPPRS	HECT doma	protein-coding
chr7-5985	5.162583	0.449804	1.015213	0.443063	0.65772	0.981636	chr7	5985771	5986507	+	0	NA	intron (N	intron (N	-15456	NM_173565	222967	Hs.442339	NM_173565	ENSG00000	RSPH10B	-	radial sp	protein-coding
chr7-4742	9.588235	-0.33744	0.761634	-0.44305	0.657729	0.981636	chr7	4742050	4743330	+	0	NA	intron (N	AluJo|SIN	-32933	NM_001364	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr1-4100	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr1	41000561	41003195	+	0	NA	intron (N	intron (N	-12712	NR_037868	1.01E+08	Hs.660056	NR_037868	ENSG00000	SLFNL1-AS	-	SLFNL1 ar	ncRNA
chr15-425	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr15	42566490	42567287	+	0	NA	3’ UTR (N	3’ UTR (N	-8718	NM_020759	57519	Hs.122061	NM_020759	ENSG00000	STARD9	KIF16A	StAR rela	protein-coding
chr2-1301	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr2	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	7625	NR_033232	55627	Hs.516450	NM_017751	ENSG00000	SMPD4	NET13|NSM	sphingomy	protein-coding
chr21-259	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr21	25980439	25981004	+	0	NA	intron (N	intron (N	159669	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr22-395	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr22	39524210	39525384	+	0	NA	Intergeni	L2a|LINE|	4233	NM_182810	468	Hs.496487	NM_001675	ENSG00000	ATF4	CREB-2|CR	activatin	protein-coding
chr4-7576	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr4	75766653	75767509	+	0	NA	intron (N	L2|LINE|L	42559	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-1026	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	Zaphod3|D	78498	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr8-8644	6.376503	-0.40726	0.919509	-0.44291	0.657831	0.981636	chr8	86448757	86449159	+	0	NA	intron (N	AluJr|SIN	59728	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr5-1775	9.449586	0.345645	0.780591	0.442798	0.657912	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	-6910	NM_016222	51428	Hs.484288	NM_016222	ENSG00000	DDX41	ABS|MPLPF	DEAD-box	protein-coding
chr1-2176	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	12386	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch c	protein-coding
chr13-200	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr13	20050922	20051591	+	0	NA	intron (N	(T)n|Simp	-51445	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr14-954	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr14	95432867	95433605	+	0	NA	intron (N	intron (N	42599	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr15-433	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr15	43394912	43396295	+	0	NA	exon (NM_	exon (NM_	24502	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr17-155	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr17	15560614	15561446	+	0	NA	intron (N	L2|LINE|L	2453	NM_001204	1.01E+08	Hs.164595	NM_001204	ENSG00000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chr17-498	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr17	49804156	49805489	+	0	NA	intron (N	intron (N	16141	NM_001199	11143	Hs.21907	NM_007067	ENSG00000	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr2-1120	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	L1M5|LINE	7304	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr20-133	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr20	1332927	1333738	+	0	NA	intron (N	MIR3|SINE	-4193	NM_080489	27111	Hs.657015	NM_015685	ENSG00000	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr22-376	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr22	37665834	37666520	+	0	NA	3’ UTR (N	3’ UTR (N	7454	NM_020315	57026	Hs.632762	NM_020315	ENSG00000	PDXP	CIN|PLP|c	pyridoxal	protein-coding
chr22-503	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr22	50300310	50301141	+	0	NA	intron (N	intron (N	6921	NM_012401	23654	Hs.3989	NM_012401	ENSG00000	PLXNB2	MM1|NblaC	plexin B2	protein-coding
chr3-7359	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr3	73595777	73597525	+	0	NA	intron (N	L1MC4|LIN	-26917	NR_046681	1.02E+08	Hs.733334	NR_046681		PDZRN3-AS	-	PDZRN3 ar	ncRNA
chr4-7614	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr4	76140863	76141489	+	0	NA	intron (N	intron (N	7221	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr6-5705	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr6	57055501	57055974	+	0	NA	TTS (NM_0	TTS (NM_0	8990	NM_001286	57691	Hs.709521	NM_020931	ENSG00000	KIAA1586	-	KIAA1586	protein-coding
chr7-3966	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr7	39660809	39661713	+	0	NA	intron (N	THE1B-int	37689	NM_005402	5898	Hs.6906	NM_005402	ENSG00000	RALA	RAL	RAS like	protein-coding
chr7-5607	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr7	56076149	56076862	+	0	NA	intron (N	Charlie10	12219	NM_001366	25870	Hs.279696	NM_015411	ENSG00000	SUMF2	pFGE	sulfatase	protein-coding
chr8-3345	5.692453	0.426497	0.963324	0.442735	0.657957	0.981636	chr8	33450146	33450717	+	0	NA	intron (N	intron (N	22715	NM_032664	84750	Hs.458713	NM_032664	ENSG00000	FUT10	FUCTX	fucosyltr	protein-coding
chr11-916	8.94514	0.35883	0.810534	0.442708	0.657977	0.981636	chr11	9165192	9165421	+	0	NA	intron (N	intron (N	70943	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr22-324	8.94514	0.35883	0.810534	0.442708	0.657977	0.981636	chr22	32485246	32485581	+	0	NA	intron (N	intron (N	10176	NM_001033	25793	Hs.5912	NM_012179	ENSG00000	FBXO7	FBX|FBX07	F-box pro	protein-coding
chr6-8974	5.237004	0.456386	1.030935	0.442691	0.657989	0.981636	chr6	89743737	89744513	+	0	NA	intron (N	AluSp|SIN	75669	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr20-138	8.221431	-0.37071	0.837619	-0.44258	0.658072	0.981636	chr20	13817872	13818071	+	0	NA	non-codin	non-codin	32943	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubic	protein-coding
chr11-671	9.920751	0.331015	0.748021	0.442521	0.658112	0.981636	chr11	671140	675393	+	0	NA	intron (N	AluSx1|SI	-22325	NM_001276	283232	Hs.448664	NM_174940	ENSG00000	TMEM80	-	transmemb	protein-coding
chr19-466	9.920751	0.331015	0.748021	0.442521	0.658112	0.981636	chr19	4668200	4668703	+	0	NA	intron (N	intron (N	1952	NM_019107	56005	Hs.465645	NM_019107	ENSG00000	MYDGF	C19orf10|	myeloid d	protein-coding
chr2-6903	9.920751	0.331015	0.748021	0.442521	0.658112	0.981636	chr2	69039861	69044172	+	0	NA	intron (N	L2a|LINE|	28872	NM_053034	84168	Hs.165859	NM_018153	ENSG00000	ANTXR1	ATR|GAPO|	ANTXR cel	protein-coding
chr3-1508	9.920751	0.331015	0.748021	0.442521	0.658112	0.981636	chr3	15083999	15085966	+	0	NA	intron (N	intron (N	14166	NM_001302	64145	Hs.475565	NM_022340	ENSG00000	RBSN	Rabenosyn	rabenosyn	protein-coding
chr3-1790	9.920751	0.331015	0.748021	0.442521	0.658112	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	LTR17|LTR	17166	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr16-225	15.60368	0.270251	0.610852	0.442416	0.658188	0.981636	chr16	22533319	22537473	+	0	NA	exon (NM_	exon (NM_	-10302	NR_003676	653786	Hs.564945	NR_003676	ENSG00000	OTOAP1	-	OTOA pseu	pseudo
chr19-254	16.64585	0.262327	0.5933	0.442149	0.658382	0.981636	chr19	25454775	25456535	+	0	NA	Intergeni	ALR/Alpha	-1292208	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-314	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr10	31407941	31409652	+	0	NA	intron (N	L1PA3|LIN	-9041	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-680	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr10	68023429	68038720	+	0	NA	intron (N	intron (N	-20191	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr11-183	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr11	18365797	18366102	+	0	NA	3’ UTR (N	3’ UTR (N	-21838	NR_036116	1E+08		NR_036116	ENSG00000	MIR3159	-	microRNA	ncRNA
chr13-233	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr13	23338401	23341673	+	0	NA	exon (NM_	exon (NM_	35471	NM_001278	26278	Hs.159492	NM_014363	ENSG00000	SACS	ARSACS|DN	sacsin mo	protein-coding
chr13-110	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	64294	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr13-110	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	16461	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr14-101	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSp|SIN	11973	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT2O|DHC	dynein cy	protein-coding
chr15-505	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr15	50590806	50594137	+	0	NA	exon (NM_	exon (NM_	-45805	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-691	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr16	69142173	69145932	+	0	NA	intron (N	AluSq2|SI	11403	NM_032830	84916	Hs.461113	NM_032830	ENSG00000	UTP4	CIRH1A|CI	UTP4 smal	protein-coding
chr2-3856	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr2	38566694	38570686	+	0	NA	intron (N	intron (N	34238	NM_138394	92906	Hs.445497	NM_138394	ENSG00000	HNRNPLL	HNRPLL|SR	heterogen	protein-coding
chr2-6186	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr2	61865489	61869799	+	0	NA	TTS (NM_0	TTS (NM_0	-13584	NM_001201	84140	Hs.440466	NM_032180	ENSG00000	FAM161A	RP28	FAM161 ce	protein-coding
chr2-2022	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSq|SIN	5352	NR_003031	692058		NR_003031	ENSG00000	SNORD11	HBII-95	small nuc	snoRNA
chr3-2741	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr3	27415888	27423485	+	0	NA	intron (N	intron (N	37092	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr3-1837	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSx|SIN	38121	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr4-1027	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	21956	NR_125932	1.03E+08	Hs.638374	NR_125932		LOC102723	-	uncharact	ncRNA
chr4-1216	9.136486	-0.34149	0.772403	-0.44212	0.658406	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA5|LIN	2856	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr14-951	10.38591	0.32777	0.741657	0.441943	0.65853	0.981636	chr14	95107495	95107709	+	0	NA	intron (N	intron (N	25901	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr3-4870	5.154725	0.45269	1.024397	0.441909	0.658555	0.981636	chr3	48700802	48701197	+	0	NA	intron (N	L1M5|LINE	-15084	NM_016453	51517	Hs.655006	NM_016453	ENSG00000	NCKIPSD	AF3P21|DI	NCK inter	protein-coding
chr1-2123	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	-4875	NR_004389	692157	Hs.707958	NR_004389	ENSG00000	SNORA16B	U98b	small nuc	snoRNA
chr10-934	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr10	93418596	93421241	+	0	NA	intron (N	AluSx1|SI	62416	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr11-185	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr11	18576880	18578552	+	0	NA	intron (N	AluSx1|SI	1802	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr11-626	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr11	62675376	62675761	+	0	NA	TTS (NM_0	TTS (NM_0	3505	NM_001286	51035	Hs.351296	NM_015853	ENSG00000	UBXN1	2B28|SAKS	UBX domai	protein-coding
chr12-248	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr12	24831322	24833395	+	0	NA	intron (N	intron (N	69864	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr12-780	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr12	78024969	78028647	+	0	NA	intron (N	intron (N	195914	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr12-956	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr12	95691792	95692346	+	0	NA	intron (N	AluSq2|SI	42814	NR_077225	1E+08	Hs.676211	NR_077225	ENSG00000	PGAM1P5	-	phosphogl	pseudo
chr12-108	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4270	NM_007076	11153	Hs.661891	NM_007076	ENSG00000	FICD	HIP13|HYP	FIC domai	protein-coding
chr15-830	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr15	83009625	83009984	+	0	NA	intron (N	intron (N	1835	NR_027649	123207	Hs.352541	NM_144597	ENSG00000	C15orf40	-	chromosom	protein-coding
chr16-248	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr16	24826674	24828369	+	0	NA	Intergeni	Intergeni	-18342	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr17-352	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr17	35247242	35248583	+	0	NA	intron (N	MER89-int	4840	NM_144975	162394	Hs.585792	NM_144975	ENSG00000	SLFN5	-	schlafen	protein-coding
chr17-788	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr17	78859417	78861071	+	0	NA	intron (N	intron (N	-19717	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr18-244	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr18	244510	247876	+	0	NA	intron (N	intron (N	21854	NM_005131	9984	Hs.712543	NM_005131	ENSG00000	THOC1	HPR1|P84|	THO compl	protein-coding
chr18-251	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr18	251111	254616	+	0	NA	intron (N	intron (N	15184	NM_005131	9984	Hs.712543	NM_005131	ENSG00000	THOC1	HPR1|P84|	THO compl	protein-coding
chr2-3726	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr2	37265513	37267135	+	0	NA	intron (N	intron (N	34666	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|M	NADH:ubic	protein-coding
chr2-9916	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr2	99167589	99169665	+	0	NA	TTS (NM_1	TTS (NM_1	12431	NM_138798	129531	Hs.14222	NM_138798	ENSG00000	MITD1	-	microtubu	protein-coding
chr2-1113	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	non-codin	non-codin	-45621	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr2-1732	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	22440	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr2-2377	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSx1|SI	18340	NM_004735	9208	Hs.471779	NM_004735	ENSG00000	LRRFIP1	FLAP-1|FL	LRR bindi	protein-coding
chr20-350	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr20	35067776	35068399	+	0	NA	intron (N	intron (N	24720	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr3-9935	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr3	9935868	9937089	+	0	NA	intron (N	(AT)n|Sim	2644	NM_015513	78987	Hs.9383	NM_015513	ENSG00000	CRELD1	AVSD2|CIR	cysteine	protein-coding
chr3-4278	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr3	42783417	42786209	+	0	NA	3’ UTR (N	3’ UTR (N	-11560	NM_144719	152206	Hs.604182	NM_144719	ENSG00000	CCDC13	-	coiled-co	protein-coding
chr3-5148	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr3	51481238	51481952	+	0	NA	intron (N	AluSx|SIN	18407	NM_001171	9730	Hs.716623	NM_014703	ENSG00000	DCAF1	RIP|VPRBP	DDB1 and	protein-coding
chr3-5815	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr3	58157499	58162171	+	0	NA	intron (N	intron (N	10800	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr4-5589	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr4	55892813	55894411	+	0	NA	exon (NM_	exon (NM_	39962	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr4-7549	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr4	75491838	75492590	+	0	NA	intron (N	MIRb|SINE	17082	NR_103725	25898	Hs.48297	NM_015436	ENSG00000	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr5-1394	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr5	13948025	13948431	+	0	NA	Intergeni	Kanga1d|D	-3748	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1514	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	(CTTC)n|S	18543	NM_001308	206358	Hs.269004	NM_078483	ENSG00000	SLC36A1	Dct1|LYAA	solute ca	protein-coding
chr5-1781	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3933	NM_017838	55651	Hs.744074	NM_017838	ENSG00000	NHP2	DKCB2|NHP	NHP2 ribo	protein-coding
chr6-4260	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr6	42605832	42606956	+	0	NA	intron (N	intron (N	42365	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr6-5732	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr6	57321251	57324378	+	0	NA	intron (N	intron (N	5184	NM_000947	5558	Hs.654580	NM_000947	ENSG00000	PRIM2	PRIM2A|p5	DNA prima	protein-coding
chr6-1597	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	MIR3|SINE	6388	NM_001303	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Co	protein-coding
chr7-4483	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr7	44838692	44840240	+	0	NA	intron (N	AluY|SINE	8660	NM_201436	94239	Hs.488189	NM_012412	ENSG00000	H2AFV	H2A.Z-2|H	H2A histo	protein-coding
chr7-7655	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr7	76556121	76556473	+	0	NA	intron (N	Tigger1|D	6956	NR_029411	1E+08	Hs.712837	NR_029411	ENSG00000	LOC100133	-	uncharact	ncRNA
chr7-1521	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSz|SIN	41304	NM_001371474								
chr8-4239	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr8	42394324	42396570	+	0	NA	intron (N	intron (N	3567	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr8-4244	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr8	42442475	42444627	+	0	NA	intron (N	AluSx1|SI	51671	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr8-9624	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr8	96249033	96255648	+	0	NA	intron (N	intron (N	9270	NM_015942	51001	Hs.308613	NM_015942	ENSG00000	MTERF3	CGI-12|MT	mitochond	protein-coding
chr9-3505	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr9	35052662	35053397	+	0	NA	Intergeni	L1PB1|LIN	10789	NM_203299	138724	Hs.148250	NM_203299	ENSG00000	C9orf131	-	chromosom	protein-coding
chr9-9262	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr9	92623869	92625412	+	0	NA	intron (N	AluJr|SIN	6590	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr9-1090	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	MER58A|DN	-25681	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr9-1288	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSz|SIN	-14295	NM_001352	883	Hs.495250	NM_004059	ENSG00000	KYAT1	CCBL1|GTK	kynurenin	protein-coding
chrX-5360	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chrX	53608293	53609001	+	0	NA	intron (N	intron (N	-51373	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chrX-7427	6.409784	-0.40162	0.908922	-0.44186	0.658589	0.981636	chrX	74277627	74279559	+	0	NA	intron (N	AluSc|SIN	8616	NR_030258	664614		NR_030258	ENSG00000	MIR545	MIRN545|h	microRNA	ncRNA
chr14-750	7.902966	0.386624	0.875073	0.441819	0.65862	0.981636	chr14	75026594	75027094	+	0	NA	intron (N	AluSx1|SI	23923	NM_014239	8892	Hs.409137	NM_014239	ENSG00000	EIF2B2	EIF-2Bbet	eukaryoti	protein-coding
chr1-9102	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr1	9102700	9104250	+	0	NA	3’ UTR (N	3’ UTR (N	25627	NM_024980	80045	Hs.632367	NM_024980	ENSG00000	GPR157	-	G protein	protein-coding
chr1-5221	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr1	52217770	52218583	+	0	NA	intron (N	HERVIP10F	76082	NM_004799	9372	Hs.532345	NM_004799	ENSG00000	ZFYVE9	MADHIP|NS	zinc fing	protein-coding
chr1-1124	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME1|LIN	28579	NM_018704	55917	Hs.744100	NM_018704	ENSG00000	CTTNBP2NL	-	CTTNBP2 N	protein-coding
chr10-792	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr10	79284487	79287928	+	0	NA	intron (N	intron (N	-61262	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-100	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr10	1E+08	1E+08	+	0	NA	TTS (NR_0	TTS (NR_0	350	NR_002954	677800	Hs.662165	NR_002954	ENSG00000	SNORA12	U108	small nuc	snoRNA
chr11-111	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx|SIN	72533	NM_015191	23235	Hs.269128	NM_015191	ENSG00000	SIK2	LOH11CR1I	salt indu	protein-coding
chr16-223	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr16	22314436	22315314	+	0	NA	intron (N	intron (N	17466	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr16-223	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr16	22372450	22373423	+	0	NA	intron (N	intron (N	1683	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr16-317	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr16	31739263	31741485	+	0	NA	intron (N	L1MB2|LIN	27145	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-362	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr17	3627407	3628959	+	0	NA	intron (N	intron (N	8067	NM_013276	23729	Hs.579217	NM_013276	ENSG00000	SHPK	CARKL|SHK	sedoheptu	protein-coding
chr17-814	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr17	8143773	8144684	+	0	NA	TTS (NR_1	TTS (NR_1	843	NR_106943	1.02E+08		NR_106943	ENSG00000	MIR6883	hsa-mir-6	microRNA	ncRNA
chr17-636	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr17	63660082	63661191	+	0	NA	intron (N	AluSp|SIN	38219	NM_001330	4215	Hs.29282	NM_002401	ENSG00000	MAP3K3	MAPKKK3|M	mitogen-a	protein-coding
chr19-451	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr19	45142666	45143963	+	0	NA	intron (N	L2a|LINE|	16836	NM_198478	284353	Hs.299256	NM_198478		NKPD1	-	NTPase KA	protein-coding
chr2-9278	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr2	92788569	92789291	+	0	NA	Intergeni	ALR/Alpha	847797	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-1279	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1M4b|LIN	-60088	NM_001199	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr21-439	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr21	43969409	43970260	+	0	NA	intron (N	AluSx|SIN	-42475	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr3-3069	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr3	30690323	30692136	+	0	NA	intron (N	intron (N	84628	NM_003242	7048	Hs.82028	NM_003242	ENSG00000	TGFBR2	AAT3|FAA3	transform	protein-coding
chr4-9111	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr4	911103	912948	+	0	NA	intron (N	intron (N	20291	NM_005255	2580	Hs.369607	NM_005255	ENSG00000	GAK	DNAJ26|DN	cyclin G	protein-coding
chr4-4758	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr4	47588713	47589280	+	0	NA	intron (N	MLT1D|LTR	-63673	NR_107020	1.02E+08		NR_107020	ENSG00000	MIR8053	hsa-mir-8	microRNA	ncRNA
chr4-8744	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr4	87441861	87443524	+	0	NA	intron (N	Tigger3b|	20095	NM_198038	53343	Hs.149500	NM_024047	ENSG00000	NUDT9	NUDT10	nudix hyd	protein-coding

chr7-1298	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	57037	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr7-1400	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSx1|SI	-30660	NR_130117	64761	Hs.12646	NM_022750	ENSG00000	PARP12	ARTD12|MS	poly(ADP-	protein-coding
chr8-4805	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr8	48056727	48058163	+	0	NA	intron (N	AluSz6|SI	49014	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitin	protein-coding
chr8-1442	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	5342	NM_015201	23246	Hs.535901	NM_015201	ENSG00000	BOP1	-	BOP1 ribo	protein-coding
chr9-1100	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSp|SIN	5813	NM_001198	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1143	5.700311	0.423835	0.959648	0.441657	0.658738	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7007	NM_000608	5005	Hs.719954	NM_000608	ENSG00000	ORM2	AGP-B|AGP	orosomuco	protein-coding
chr5-1285	9.954032	0.333719	0.755621	0.441649	0.658743	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	THE1B-int	34036	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr12-576	8.332991	0.366028	0.828886	0.44159	0.658786	0.981636	chr12	57615596	57615863	+	0	NA	intron (N	intron (N	-4181	NM_133489	65012	Hs.727726	NM_133489	ENSG00000	SLC26A10	-	solute ca	protein-coding
chr9-4377	17.60575	0.253809	0.574813	0.44155	0.658815	0.981636	chr9	43777445	43777877	+	0	NA	Intergeni	ALR/Alpha	651495	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr2-8803	5.873906	-0.43644	0.988463	-0.44154	0.658825	0.981636	chr2	88035480	88035684	+	0	NA	intron (N	MLT1J|LTR	20201	NM_001304	51315	Hs.469254	NM_016618	ENSG00000	KRCC1	CHBP2	lysine ri	protein-coding
chr19-362	9.069923	-0.34941	0.791537	-0.44144	0.658897	0.981636	chr19	36218795	36219193	+	0	NA	intron (N	AluY|SINE	-3910	NM_001042	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr1-1590	10.95507	0.314458	0.712446	0.441378	0.65894	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MEh|LIN	25013	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|F	interfero	protein-coding
chr17-394	10.95507	0.314458	0.712446	0.441378	0.65894	0.981636	chr17	39470315	39471801	+	0	NA	exon (NM_	exon (NM_	9572	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr16-686	7.869685	0.383351	0.868787	0.441249	0.659033	0.981636	chr16	686725	687111	+	0	NA	exon (NM_	exon (NM_	-2584	NM_001323	339123	Hs.533771	NM_001005	ENSG00000	JMJD8	C16orf20|	jumonji c	protein-coding
chr16-693	6.255604	0.411399	0.932663	0.441101	0.65914	0.981636	chr16	69375430	69375913	+	0	NA	intron (N	FLAM_A|SI	10336	NM_005652	7014	Hs.63335	NM_005652	ENSG00000	TERF2	TRBF2|TRF	telomeric	protein-coding
chr16-749	6.247746	0.414028	0.939135	0.440861	0.659313	0.981636	chr16	74955227	74955744	+	0	NA	intron (N	LFSINE_Ve	29638	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr4-1763	5.684595	0.429235	0.975026	0.440229	0.659771	0.981636	chr4	1.76E+08	1.76E+08	+	0	NA	Intergeni	MER52A|LT	23388	NM_021928	60559	Hs.42194	NM_021928	ENSG00000	SPCS3	PRO3567|S	signal pe	protein-coding
chr5-3129	5.684595	0.429235	0.975026	0.440229	0.659771	0.981636	chr5	31295336	31296167	+	0	NA	intron (N	MIRb|SINE	102065	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr1-2555	5.170441	0.44683	1.015171	0.440152	0.659827	0.981636	chr1	25555095	25556284	+	0	NA	intron (N	intron (N	12104	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr14-993	5.170441	0.44683	1.015171	0.440152	0.659827	0.981636	chr14	99397626	99398288	+	0	NA	3’ UTR (N	3’ UTR (N	82902	NM_199123	84193	Hs.510407	NM_032233	ENSG00000	SETD3	C14orf154	SET domai	protein-coding
chr21-323	5.170441	0.44683	1.015171	0.440152	0.659827	0.981636	chr21	32350157	32351766	+	0	NA	intron (N	intron (N	26361	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr4-1123	5.170441	0.44683	1.015171	0.440152	0.659827	0.981636	chr4	1.12E+08	1.12E+08	+	0	NA	intron (N	L2a|LINE|	5718	NM_025144	80216	Hs.652825	NM_025144	ENSG00000	ALPK1	8430410J1	alpha kin	protein-coding
chr9-8907	5.170441	0.44683	1.015171	0.440152	0.659827	0.981636	chr9	89075112	89075772	+	0	NA	intron (N	intron (N	83974	NM_005226	1903	Hs.585118	NM_005226	ENSG00000	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr1-3601	10.98835	0.317058	0.720447	0.440085	0.659876	0.981636	chr1	36014068	36014420	+	0	NA	intron (N	AluSx|SIN	-69850	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr2-1119	10.4252	0.320287	0.727926	0.439999	0.659938	0.981636	chr2	11195053	11198367	+	0	NA	intron (N	intron (N	41243	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr3-4750	10.4252	0.320287	0.727926	0.439999	0.659938	0.981636	chr3	47509240	47510224	+	0	NA	intron (N	intron (N	3613	NM_001363	54859	Hs.311100	NM_017713	ENSG00000	ELP6	C3orf75|T	elongator	protein-coding
chr13-491	9.887469	0.328298	0.746148	0.43999	0.659944	0.981636	chr13	49162881	49164937	+	0	NA	intron (N	L1M2|LINE	53592	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr1-3294	10.3762	0.32061	0.728911	0.439849	0.660047	0.981636	chr1	32943285	32943484	+	0	NA	intron (N	AluSc8|SI	21425	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr15-506	10.3762	0.32061	0.728911	0.439849	0.660047	0.981636	chr15	50609315	50609609	+	0	NA	intron (N	intron (N	-62796	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr13-524	9.613659	-0.33225	0.755404	-0.43984	0.660055	0.981636	chr13	52473877	52474565	+	0	NA	intron (N	AluJb|SIN	-14772	NR_002793	220115	Hs.528448	NR_002793		TPTE2P3	TPTEps1	transmemb	pseudo
chr17-497	9.613659	-0.33225	0.755404	-0.43984	0.660055	0.981636	chr17	49798886	49800619	+	0	NA	intron (N	AluJo|SIN	11071	NM_001199	11143	Hs.21907	NM_007067	ENSG00000	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr6-8562	9.613659	-0.33225	0.755404	-0.43984	0.660055	0.981636	chr6	85626798	85626997	+	0	NA	intron (N	intron (N	14554	NM_001159	10492	Hs.571177	NM_006372	ENSG00000	SYNCRIP	GRY-RBP|G	synaptota	protein-coding
chr1-9001	10.92178	0.31193	0.709235	0.439812	0.660074	0.981636	chr1	90013001	90029117	+	0	NA	intron (N	intron (N	25949	NM_181781	284695	Hs.306221	NM_181781	ENSG00000	ZNF326	ZAN75|ZIF	zinc fing	protein-coding
chr10-738	10.92178	0.31193	0.709235	0.439812	0.660074	0.981636	chr10	73846103	73848716	+	0	NA	non-codin	non-codin	27146	NM_001367	818	Hs.523045	NM_001222	ENSG00000	CAMK2G	CAMK|CAMK	calcium/c	protein-coding
chr12-110	10.92178	0.31193	0.709235	0.439812	0.660074	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz|SIN	32301	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr5-1802	10.92178	0.31193	0.709235	0.439812	0.660074	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L2a|LINE|	17581	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chr18-599	9.621517	-0.33369	0.759206	-0.43952	0.660286	0.981636	chr18	59903058	59903257	+	0	NA	3’ UTR (N	3’ UTR (N	3161	NM_021127	5366	Hs.96	NM_021127	ENSG00000	PMAIP1	APR|NOXA	phorbol-1	protein-coding
chr7-7630	9.621517	-0.33369	0.759206	-0.43952	0.660286	0.981636	chr7	76304029	76304739	+	0	NA	TTS (NM_C	TTS (NM_C	1711	NM_001540	3315	Hs.520973	NM_001540	ENSG00000	HSPB1	CMT2F|HEL	heat shoc	protein-coding
chr10-103	10.38406	0.319149	0.72627	0.439436	0.660346	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	L1ME1|LIN	-3962	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr2-1913	10.38406	0.319149	0.72627	0.439436	0.660346	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	127015	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr5-1156	8.63389	-0.35718	0.813055	-0.43931	0.660438	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	9238	NM_181836	51014	Hs.642817	NM_181836	ENSG00000	TMED7	CGI-109|p	transmemb	protein-coding
chr5-1495	8.63389	-0.35718	0.813055	-0.43931	0.660438	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	8854	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr22-245	9.183634	-0.35027	0.797691	-0.43911	0.660581	0.981636	chr22	24546024	24546474	+	0	NA	intron (N	AluYk3|SI	8889	NM_001284	83606	Hs.9850	NM_031444	ENSG00000	GUCD1	C22orf13|	guanylyl	protein-coding
chr19-116	17.62146	0.252036	0.574013	0.439077	0.660606	0.981636	chr19	11613548	11621395	+	0	NA	exon (NM_	exon (NM_	19988	NM_145295	199692	Hs.526665	NM_145295	ENSG00000	ZNF627	-	zinc fing	protein-coding
chr16-109	9.177626	-0.33904	0.772577	-0.43884	0.660778	0.981636	chr16	10962644	10963988	+	0	NA	intron (N	MLT1B|LTR	18752	NM_015226	23274	Hs.35490	NM_015226	ENSG00000	CLEC16A	Gop-1|KIA	C-type le	protein-coding
chr16-532	9.177626	-0.33904	0.772577	-0.43884	0.660778	0.981636	chr16	53285770	53289257	+	0	NA	intron (N	AluSq2|SI	79062	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr3-3819	9.177626	-0.33904	0.772577	-0.43884	0.660778	0.981636	chr3	38190845	38191348	+	0	NA	intron (N	AluJr|SIN	25559	NM_005109	9943	Hs.475970	NM_005109	ENSG00000	OXSR1	OSR1	oxidative	protein-coding
chr5-1297	9.177626	-0.33904	0.772577	-0.43884	0.660778	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PA10|LI	-38120	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr6-1422	6.343221	-0.41331	0.941862	-0.43882	0.660793	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	3’ UTR (N	3’ UTR (N	71772	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr1-8518	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr1	85189384	85190278	+	0	NA	intron (N	AluJr|SIN	11185	NM_032184	84144	Hs.533853	NM_032184	ENSG00000	SYDE2	-	synapse d	protein-coding
chr13-793	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr13	79375488	79378223	+	0	NA	intron (N	MER68|LTR	29366	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr15-518	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr15	51862879	51864251	+	0	NA	intron (N	intron (N	33912	NM_014547	29766	Hs.4998	NM_014547	ENSG00000	TMOD3	UTMOD	tropomodu	protein-coding
chr15-708	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr15	70831136	70833146	+	0	NA	exon (NM_	exon (NM_	-21098	NM_001284	54839	Hs.12692	NM_017691	ENSG00000	LRRC49	PGs4	leucine r	protein-coding
chr17-389	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr17	38901735	38906011	+	0	NA	intron (N	intron (N	-11106	NR_106837	1.02E+08		NR_106837	ENSG00000	MIR6779	hsa-mir-6	microRNA	ncRNA
chr19-439	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr19	4395434	4396110	+	0	NA	intron (N	AluSx3|SI	4775	NM_001199	6455	Hs.97616	NM_003025	ENSG00000	SH3GL1	CNSA1|EEN	SH3 domai	protein-coding
chr3-1414	9.605801	-0.33086	0.754017	-0.4388	0.660807	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	36183	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr10-270	5.479013	-0.45182	1.030184	-0.43858	0.660967	0.981636	chr10	27063809	27064292	+	0	NA	exon (NM_	exon (NM_	36448	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr7-1342	5.981609	-0.42004	0.958751	-0.43811	0.661304	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	23006	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr5-1802	5.997325	-0.42418	0.968657	-0.43791	0.661454	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	promoter-	promoter-	-127	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chr1-2673	8.716169	-0.35195	0.804146	-0.43767	0.661625	0.981636	chr1	26738398	26739053	+	0	NA	intron (N	AluSz|SIN	42710	NM_006015	8289	Hs.468972	NM_006015	ENSG00000	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr13-252	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr13	25260333	25263915	+	0	NA	intron (N	intron (N	25364	NM_004685	9107	Hs.643702	NM_004685	ENSG00000	MTMR6	-	myotubula	protein-coding
chr13-331	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr13	33156419	33157353	+	0	NA	intron (N	intron (N	29205	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr13-755	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr13	75553517	75556532	+	0	NA	intron (N	L1PREC2|L	5274	NM_006002	7347	Hs.162241	NM_006002	ENSG00000	UCHL3	UCH-L3	ubiquitin	protein-coding
chr13-771	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr13	77159645	77160222	+	0	NA	intron (N	intron (N	84419	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr13-946	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr13	94610868	94616176	+	0	NA	intron (N	FLAM_C|SI	11665	NM_180989	160897	Hs.439363	NM_180989	ENSG00000	GPR180	ITR	G protein	protein-coding
chr14-528	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr14	52875529	52877368	+	0	NA	intron (N	MER5A|DNA	74602	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr14-101	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-39	NR_029704	406946		NR_029704	ENSG00000	MIR154	MIRN154|m	microRNA	ncRNA
chr15-328	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr15	32885655	32886187	+	0	NA	intron (N	intron (N	-167056	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr15-430	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr15	43002758	43003237	+	0	NA	intron (N	intron (N	-82219	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-494	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr15	49479956	49481842	+	0	NA	intron (N	intron (N	57657	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr15-619	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr15	61928112	61928927	+	0	NA	intron (N	intron (N	131928	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr15-722	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr15	72223424	72224423	+	0	NA	intron (N	intron (N	5988	NM_001206	5315	Hs.534770	NM_002654	ENSG00000	PKM	CTHBP|HEL	pyruvate	protein-coding
chr16-702	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr16	70209934	70211171	+	0	NA	Intergeni	L1PA5|LIN	15481	NR_033959	1.01E+08	Hs.655258	NR_033959	ENSG00000	SMG1P7	-	SMG1 pseu	pseudo
chr17-135	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr17	1359198	1364876	+	0	NA	intron (N	intron (N	38185	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|H	tyrosine	protein-coding
chr19-190	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr19	19052241	19052919	+	0	NA	intron (N	intron (N	-11414	NM_001321	284439	Hs.303669	NM_178526	ENSG00000	SLC25A42	MECREN	solute ca	protein-coding
chr19-482	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr19	48248163	48249136	+	0	NA	intron (N	L1ME3G|LI	984	NR_033678	22900	Hs.68846	NM_014959	ENSG00000	CARD8	CARDINAL|	caspase r	protein-coding
chr19-530	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr19	53076749	53077917	+	0	NA	intron (N	L1M3c|LIN	9704	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr2-1771	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	17719713	17720785	+	0	NA	intron (N	intron (N	33561	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-3053	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	30534870	30535849	+	0	NA	intron (N	intron (N	88113	NM_001304	253558	Hs.468048	NM_182551	ENSG00000	LCLAT1	1AGPAT8|A	lysocardi	protein-coding
chr2-4391	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	43916684	43919263	+	0	NA	intron (N	intron (N	78016	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-4396	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	43965605	43967063	+	0	NA	intron (N	L1MA9|LIN	29655	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-7373	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	73731323	73731800	+	0	NA	intron (N	intron (N	5700	NM_001330	51002	Hs.157401	NM_016058	ENSG00000	TPRKB	CGI-121|C	TP53RK bi	protein-coding
chr2-1359	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	L1PA10|LI	-32654	NM_005915	4175	Hs.444118	NM_005915	ENSG00000	MCM6	MCG40308|	minichrom	protein-coding
chr2-1710	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1ME3E|LI	14296	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-2077	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-12204	NR_039934	1.01E+08		NR_039934	ENSG00000	MIR4775	-	microRNA	ncRNA
chr2-2161	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-23600	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr3-4807	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr3	48078880	48081186	+	0	NA	intron (N	L3|LINE|C	8815	NM_002375	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr3-1288	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSg|SIN	6748	NM_014049	28976	Hs.567482	NM_014049	ENSG00000	ACAD9	MC1DN20|N	acyl-CoA	protein-coding
chr3-1360	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	L1PB1|LIN	9038	NM_181897	5523	Hs.518155	NM_002718	ENSG00000	PPP2R3A	PPP2R3|PR	protein p	protein-coding
chr3-1416	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	MLT1L|LTR	-52003	NR_136190	646730	Hs.570677	NR_136190		LINC02618	-	long inte	ncRNA
chr3-1809	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	AluJb|SIN	28614	NM_001363	8087	Hs.478407	NM_005087	ENSG00000	FXR1	FXR1P	FMR1 auto	protein-coding
chr4-7780	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr4	7780610	7781275	+	0	NA	intron (N	intron (N	26852	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr4-2457	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr4	24572606	24573956	+	0	NA	intron (N	intron (N	11273	NM_001358	1665	Hs.696074	NM_001358	ENSG00000	DHX15	DBP1|DDX1	DEAH-box	protein-coding
chr4-1195	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	53566	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr4-1405	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	4723	NM_153702	255520	Hs.450105	NM_153702	ENSG00000	ELMOD2	9830169G1	ELMO doma	protein-coding
chr5-8739	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr5	87395618	87397089	+	0	NA	intron (N	AluSc8|SI	16551	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr5-1507	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	L1PA3|LIN	10310	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr7-1396	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	120404	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr7-1492	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	MER77B|LT	-20627	NM_012256	7988	Hs.490510	NM_012256	ENSG00000	ZNF212	C2H2-150|	zinc fing	protein-coding
chr8-1334	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MEg|LIN	89590	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1243	6.401926	-0.39962	0.913105	-0.43765	0.661639	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	L1PA17|LI	27091	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr1-1679	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-2229	NM_001297	55811	Hs.320892	NM_018417	ENSG00000	ADCY10	HCA2|HEL-	adenylate	protein-coding
chr16-372	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr16	3727208	3728921	+	0	NA	exon (NM_	exon (NM_	-10540	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr19-189	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr19	18921569	18922003	+	0	NA	intron (N	intron (N	2071	NM_019070	54555	Hs.143187	NM_019070	ENSG00000	DDX49	Dbp8|R270	DEAD-box	protein-coding
chr19-453	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr19	45351196	45352476	+	0	NA	TTS (NM_1	TTS (NM_1	11086	NM_177417	147700	Hs.298079	NM_145275	ENSG00000	KLC3	KLC2|KLC2	kinesin l	protein-coding
chr2-7242	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr2	72421995	72423077	+	0	NA	intron (N	LTR12C|LT	-274674	NM_001277	56603	Hs.91546	NM_019885	ENSG00000	CYP26B1	CYP26A2|F	cytochrom	protein-coding
chr22-413	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr22	41314977	41316165	+	0	NA	intron (N	MLT1A|LTR	-13202	NM_001317	5905	Hs.183800	NM_002883	ENSG00000	RANGAP1	Fug1|RANG	Ran GTPas	protein-coding
chr5-1772	6.230181	0.40463	0.925062	0.437409	0.661815	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	25766	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr11-108	9.128628	-0.34001	0.77741	-0.43736	0.661851	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	39640	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr8-1082	9.128628	-0.34001	0.77741	-0.43736	0.661851	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	9672	NM_001568	3646	Hs.405590	NM_001568	ENSG00000	EIF3E	EIF3-P48|	eukaryoti	protein-coding
chr11-576	10.39191	0.31768	0.726475	0.437289	0.661902	0.981636	chr11	57659517	57661517	+	0	NA	intron (N	AluSx1|SI	2755	NM_006831	10978	Hs.523687	NM_006831	ENSG00000	CLP1	HEAB|hClp	cleavage	protein-coding
chr11-130	10.39191	0.31768	0.726475	0.437289	0.661902	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-25794	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr12-120	10.39191	0.31768	0.726475	0.437289	0.661902	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	L2a|LINE|	13773	NM_001330	9921	Hs.442798	NM_014868	ENSG00000	RNF10	RIE2	ring fing	protein-coding
chr2-4432	9.095347	-0.34392	0.786493	-0.43728	0.661906	0.981636	chr2	44328778	44328977	+	0	NA	intron (N	intron (N	30872	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr1-1931	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr1	19318280	19319804	+	0	NA	intron (N	intron (N	6716	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-2729	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr1	27293833	27294577	+	0	NA	intron (N	MIR|SINE|	-27940	NM_032125	84065	Hs.469171	NM_032125	ENSG00000	TMEM222	C1orf160	transmemb	protein-coding
chr1-1790	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSx1|SI	-14054	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr10-804	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr10	80478854	80479636	+	0	NA	intron (N	L1PA3|LIN	10982	NM_001351	81619	Hs.308615	NM_030927	ENSG00000	TSPAN14	DC-TM4F2|	tetraspan	protein-coding
chr11-702	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr11	70298630	70299619	+	0	NA	intron (N	AluJb|SIN	15169	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr15-746	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr15	74672536	74674403	+	0	NA	intron (N	L2b|LINE|	22555	NM_001142	80153	Hs.96852	NM_025083	ENSG00000	EDC3	LSM16|MRT	enhancer	protein-coding
chr19-112	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr19	11238476	11239276	+	0	NA	promoter-	promoter-	-743	NM_018687	55908	Hs.534467	NM_018687	ENSG00000	ANGPTL8	C19orf80|	angiopoie	protein-coding
chr19-526	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr19	52625027	52626023	+	0	NA	intron (N	HERVH-int	12866	NM_001105	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr2-3872	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr2	38729700	38731089	+	0	NA	intron (N	AluSg|SIN	20967	NM_001031	6432	Hs.309090	NM_006276	ENSG00000	SRSF7	9G8|AAG3|	serine ar	protein-coding

chr2-1123	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	60701	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr20-373	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr20	37385704	37387763	+	0	NA	intron (N	intron (N	40605	NM_198291	6714	Hs.195659	NM_005417	ENSG00000	SRC	ASV|SRC1|	SRC protc	protein-coding
chr21-419	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr21	41901111	41902038	+	0	NA	intron (N	intron (N	-22092	NM_022115	63977	Hs.473893	NM_022115	ENSG00000	PRDM15	C21orf83|	PR/SET dc	protein-coding
chr3-1854	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	4621	NM_080652	90407	Hs.677570	NM_080652	ENSG00000	TMEM41A	2900010KC	transmemb	protein-coding
chr6-1050	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	3' UTR (N	3' UTR (N	36018	NM_147147	11149	Hs.221660	NM_007073	ENSG00000	BVES	CARICK|HE	blood ves	protein-coding
chr8-9714	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr8	97143145	97144980	+	0	NA	TTS (NM_C	TTS (NM_C	133866	NM_033512	85453	Hs.173094	NM_033512	ENSG00000	TSPYL5	-	TSPY like	protein-coding
chr9-1313	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr9	13132288	13132878	+	0	NA	intron (N	intron (N	146981	NM_003829	8777	Hs.169378	NM_003829	ENSG00000	MPDZ	HYC2|MUPF	multiple	protein-coding
chr9-1283	5.708169	0.421158	0.963359	0.437176	0.661984	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	7733	NR_049743	81605	Hs.495229	NM_030914	ENSG00000	URM1	C9orf74	ubiquitin	protein-coding
chr14-709	11.45951	0.305433	0.698658	0.437171	0.661987	0.981636	chr14	70946959	70948546	+	0	NA	intron (N	MER11B|LT	40293	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr12-987	8.667172	-0.35302	0.807528	-0.43717	0.661991	0.981636	chr12	98728027	98728968	+	0	NA	intron (N	AluSz6|SI	83197	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr4-1479	8.667172	-0.35302	0.807528	-0.43717	0.661991	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA11|LI	149829	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr5-1729	8.667172	-0.35302	0.807528	-0.43717	0.661991	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	AluJb|SIN	14145	NM_003945	8992	Hs.484188	NM_003945	ENSG00000	ATP6V0E1	ATP6H|ATF	ATPase H+	protein-coding
chr12-495	9.169768	-0.3376	0.77239	-0.43708	0.66205	0.981636	chr12	49564328	49564540	+	0	NA	intron (N	intron (N	2005	NM_001012	10445	Hs.25313	NM_006337	ENSG00000	MCRS1	ICP22BP|I	microsphe	protein-coding
chr14-594	9.169768	-0.3376	0.77239	-0.43708	0.66205	0.981636	chr14	59494933	59495532	+	0	NA	intron (N	intron (N	10715	NM_016475	51528	Hs.446850	NM_016475	ENSG00000	JKAMP	C14orf10C	JNK1/MAPK	protein-coding
chr6-7230	9.169768	-0.3376	0.77239	-0.43708	0.66205	0.981636	chr6	7230422	7231288	+	0	NA	exon (NM_	exon (NM_	82344	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chrX-1372	9.169768	-0.3376	0.77239	-0.43708	0.66205	0.981636	chrX	13729208	13730092	+	0	NA	intron (N	AluSp|SIN	4970	NM_001011	6399	Hs.592238	NM_014563	ENSG00000	TRAPPC2	MIP2A|SED	trafficki	protein-coding
chr5-1739	12.00695	0.306156	0.700515	0.437044	0.662079	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	exon (NM_	exon (NM_	-39120	NM_001144	133491	Hs.131469	NM_001144	ENSG00000	C5orf47	-	chromosom	protein-coding
chr15-756	8.845295	0.349827	0.80047	0.437027	0.662092	0.981636	chr15	75612113	75612489	+	0	NA	intron (N	AluSx|SIN	13424	NM_005701	10073	Hs.21577	NM_005701	ENSG00000	SNUPN	KPNBL|RNU	snurporti	protein-coding
chr17-182	8.845295	0.349827	0.80047	0.437027	0.662092	0.981636	chr17	18206490	18207474	+	0	NA	intron (N	intron (N	-18653	NM_004140	3996	Hs.513983	NM_004140	ENSG00000	LLGL1	DLG4|HUGL	LLGL scri	protein-coding
chr1-1543	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx|SIN	8099	NM_001367	57198	Hs.435700	NM_020452	ENSG00000	ATP8B2	ATPID	ATPase ph	protein-coding
chr11-755	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr11	755612	762356	+	0	NA	exon (NM_	exon (NM_	11520	NM_006755	6888	Hs.438678	NM_006755	ENSG00000	TALDO1	TAL|TAL-H	transaldc	protein-coding
chr12-133	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	12686	NM_152943	10795	Hs.124047	NM_003415	ENSG00000	ZNF268	HZF3	zinc fing	protein-coding
chr19-147	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr19	14712977	14723334	+	0	NA	intron (N	intron (N	28107	NM_001352	84449	Hs.515215	NM_032433	ENSG00000	ZNF333	-	zinc fing	protein-coding
chr19-572	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr19	57251800	57256063	+	0	NA	exon (NM_	exon (NM_	13299	NM_001023	390980	Hs.22488	NM_001023	ENSG00000	ZNF805	-	zinc fing	protein-coding
chr20-506	10.92964	0.310535	0.710758	0.436906	0.662179	0.981636	chr20	50617549	50627237	+	0	NA	intron (N	AluSz|SIN	-7608	NR_031634	1E+08		NR_031634	ENSG00000	MIR1302-5	MIRN1302-	microRNA	ncRNA
chr6-8969	8.340849	0.363995	0.833193	0.436867	0.662208	0.981636	chr6	89692307	89692973	+	0	NA	exon (NM_	exon (NM_	-53893	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr16-577	6.368645	-0.40531	0.928302	-0.43661	0.662391	0.981636	chr16	57775563	57775937	+	0	NA	promoter-	promoter-	-672	NM_001318	3801	Hs.23131	NM_005550	ENSG00000	KIFC3	-	kinesin f	protein-coding
chr3-1430	6.368645	-0.40531	0.928302	-0.43661	0.662391	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	49469	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr4-5633	5.74145	0.425606	0.975218	0.436422	0.662531	0.981636	chr4	5633089	5633928	+	0	NA	intron (N	MIR|SINE|	75051	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr4-7072	5.74145	0.425606	0.975218	0.436422	0.662531	0.981636	chr4	70725978	70726645	+	0	NA	intron (N	L2|LINE|L	4347	NM_001037	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr12-881	9.597943	-0.32949	0.755016	-0.43641	0.662541	0.981636	chr12	88116874	88117989	+	0	NA	intron (N	intron (N	24785	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr3-1770	9.597943	-0.32949	0.755016	-0.43641	0.662541	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	146881	NM_001321	79718	Hs.714201	NM_024665	ENSG00000	TBL1XR1	C21|DC42|	transduci	protein-coding
chr1-1232	9.349741	0.337054	0.773071	0.435994	0.662841	0.981636	chr1	12323810	12325485	+	0	NA	intron (N	MIR|SINE|	94617	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr2-1327	9.564661	-0.33331	0.764686	-0.43588	0.662922	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-121864	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2178	12.42264	-0.29954	0.687223	-0.43587	0.662934	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	-1318	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr15-491	9.424162	0.341021	0.782609	0.435749	0.663019	0.981636	chr15	49105965	49106358	+	0	NA	Intergeni	MLT1C|LTF	49438	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sigr	protein-coding
chr15-633	9.424162	0.341021	0.782609	0.435749	0.663019	0.981636	chr15	63303598	63303925	+	0	NA	intron (N	AluJb|SIN	26156	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr10-272	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr10	27231117	27232408	+	0	NA	exon (NM_	exon (NM_	8724	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr11-116	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	15803	NM_032725	84811	Hs.437341	NM_032725	ENSG00000	BUD13	Cwc26|fSA	BUD13 hom	protein-coding
chr12-672	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr12	6726003	6726349	+	0	NA	intron (N	AluY|SINE	1889	NM_001164	50813	Hs.530823	NM_016319	ENSG00000	COPS7A	CSN7|CSN7	COP9 sigr	protein-coding
chr14-775	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr14	77555068	77557039	+	0	NA	intron (N	AluSz|SIN	-57237	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr15-846	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr15	84688663	84690277	+	0	NA	intron (N	intron (N	26669	NM_014300	23478	Hs.9534	NM_014300	ENSG00000	SEC11A	1810012EC	SEC11 hom	protein-coding
chr2-1180	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr2	11807163	11808317	+	0	NA	intron (N	intron (N	29246	NR_036226	1E+08		NR_036226	ENSG00000	MIR4262	-	microRNA	ncRNA
chr2-3329	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr2	33293773	33294419	+	0	NA	intron (N	AluSx|SIN	-124420	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr20-509	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr20	5095990	5096497	+	0	NA	intron (N	intron (N	16833	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr20-315	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr20	31523990	31525199	+	0	NA	intron (N	L1ME4b|LI	10152	NM_178582	81502	Hs.373741	NM_030789	ENSG00000	HM13	H13|IMP1|	histocomp	protein-coding
chr4-7548	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr4	75485334	75486459	+	0	NA	intron (N	MER57A-ir	23400	NR_103725	25898	Hs.48297	NM_015436	ENSG00000	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr5-1810	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr5	1810642	1813024	+	0	NA	intron (N	L1MC5|LIN	10426	NM_004553	4726	Hs.408257	NM_004553	ENSG00000	NDUFS6	CI-13kA|C	NADH:ubic	protein-coding
chr6-7416	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr6	7416435	7417143	+	0	NA	intron (N	AluJo|SIN	26960	NM_001348	83732	Hs.437474	NM_031480	ENSG00000	RIOK1	AD034|RIC	RIO kinas	protein-coding
chr8-4311	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr8	43113881	43116599	+	0	NA	intron (N	intron (N	21725	NM_032237	84197	Hs.491646	NM_032237	ENSG00000	POMK	MDDGA12|M	protein (	protein-coding
chr8-8521	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr8	85214802	85217709	+	0	NA	TTS (NR_1	TTS (NR_1	4119	NR_120681	401466	Hs.443072	NM_001099	ENSG00000	RBIS	C8orf59	ribosomal	protein-coding
chr9-9507	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr9	95073552	95074316	+	0	NA	intron (N	intron (N	8584	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr9-1055	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chr9	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA2|LIN	18697	NM_001351	2218	Hs.55777	NM_006731	ENSG00000	FKTN	CMD1X|FCM	fukutin	protein-coding
chrX-1295	6.443066	-0.39608	0.909215	-0.43563	0.663104	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	L2|LINE|L	20255	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr1-6485	6.450924	-0.39805	0.913744	-0.43563	0.663106	0.981636	chr1	64854787	64855452	+	0	NA	intron (N	L2c|LINE|	110044	NM_018211	55225	Hs.591443	NM_018211	ENSG00000	RAVER2	-	ribonucle	protein-coding
chr7-6112	6.450924	-0.39805	0.913744	-0.43563	0.663106	0.981636	chr7	6112184	6113128	+	0	NA	intron (N	MER30|DNA	7707	NM_032172	84132	Hs.31856	NM_032172	ENSG00000	USP42	-	ubiquitin	protein-coding
chr17-401	9.928608	0.329369	0.756212	0.435551	0.663163	0.981636	chr17	40154920	40155246	+	0	NA	intron (N	AluYk3|SI	-6850	NR_106926	1.02E+08		NR_106926	ENSG00000	MIR6866	hsa-mir-6	microRNA	ncRNA
chrX-7129	9.928608	0.329369	0.756212	0.435551	0.663163	0.981636	chrX	71294280	71294479	+	0	NA	exon (NM_	exon (NM_	-7371	NM_012278	26548	Hs.109999	NM_012278	ENSG00000	ITGB1BP2	CHORDC3|I	integrin	protein-coding
chr2-2373	12.84481	-0.28708	0.659149	-0.43552	0.663182	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	58231	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr21-268	12.84481	-0.28708	0.659149	-0.43552	0.663182	0.981636	chr21	26837463	26844955	+	0	NA	intron (N	AluSz|SIN	4200	NM_006988	9510	Hs.643357	NM_006988	ENSG00000	ADAMTS1	C3-C5|MET	ADAM meta	protein-coding
chr1-2244	11.42623	0.302985	0.695819	0.435436	0.663246	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	4984	NM_025160	80232	Hs.497873	NM_025160	ENSG00000	WDR26	CDW2|GID7	WD repeat	protein-coding
chr15-771	11.42623	0.302985	0.695819	0.435436	0.663246	0.981636	chr15	77198585	77200401	+	0	NA	intron (N	Tigger2|D	25911	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr7-1212	11.42623	0.302985	0.695819	0.435436	0.663246	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA7|LIN	-35080	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr16-532	10.88065	0.310832	0.714503	0.435032	0.663539	0.981636	chr16	53238352	53238572	+	0	NA	exon (NM_	exon (NM_	30011	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr6-4358	10.88065	0.310832	0.714503	0.435032	0.663539	0.981636	chr6	43582562	43584992	+	0	NA	intron (N	MIR|SINE|	7592	NM_001291	5429	Hs.655467	NM_006502	ENSG00000	POLH	RAD30|RAD	DNA polym	protein-coding
chr20-505	9.895327	0.326673	0.751022	0.434972	0.663583	0.981636	chr20	50567893	50569518	+	0	NA	intron (N	intron (N	-17081	NR_030375	693230		NR_030375	ENSG00000	MIR645	MIRN645|h	microRNA	ncRNA
chr9-1301	9.895327	0.326673	0.751022	0.434972	0.663583	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	42905	NR_135124	401554	Hs.522437	NR_135124	ENSG00000	GPRACR	LncGPR107	GPR107 ac	ncRNA
chr14-572	5.932612	-0.42166	0.969437	-0.43495	0.663595	0.981636	chr14	57230785	57231049	+	0	NA	intron (N	intron (N	37988	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PF	exocyst c	protein-coding
chr15-251	5.932612	-0.42166	0.969437	-0.43495	0.663595	0.981636	chr15	25112715	25113198	+	0	NA	intron (N	L1M4a1|LI	-3589	NR_023915	3653	Hs.555970	NR_023915		IPW	NCRNA000C	imprintec	ncRNA
chr17-448	5.932612	-0.42166	0.969437	-0.43495	0.663595	0.981636	chr17	44867491	44867708	+	0	NA	intron (N	intron (N	19716	NR_073504	51751	Hs.151787	NM_016438	ENSG00000	HIGD1B	CLST1124C	HIG1 hypc	protein-coding
chr5-4912	6.238039	0.402186	0.925125	0.434737	0.663753	0.981636	chr5	49124062	49124910	+	0	NA	Intergeni	ALR/Alpha	1316802	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-8071	6.238039	0.402186	0.925125	0.434737	0.663753	0.981636	chr5	80718970	80720191	+	0	NA	intron (N	HAL1M8|LI	-64597	NM_000791	1719	Hs.592364	NM_000791	ENSG00000	DHFR	DHFRP1|DY	dihydrofc	protein-coding
chr9-1217	6.238039	0.402186	0.925125	0.434737	0.663753	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	20706	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr1-1081	5.973751	-0.4178	0.961088	-0.43471	0.66377	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	757	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr2-2031	5.973751	-0.4178	0.961088	-0.43471	0.66377	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-83743	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr11-647	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr11	6479250	6479629	+	0	NA	intron (N	intron (N	1892	NM_001370	23647	Hs.75139	NM_012402	ENSG00000	ARFIP2	POR1	ADP ribos	protein-coding
chr2-1087	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MD|LINE	-13213	NM_001351	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-cc	protein-coding
chr5-3886	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr5	38862432	38862988	+	0	NA	intron (N	SVA_D|Ret	16698	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-1118	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr6	11183505	11193253	+	0	NA	intron (N	intron (N	44289	NM_182966	4739	Hs.37982	NM_006403	ENSG00000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr7-2426	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr7	242697	262374	+	0	NA	intron (N	intron (N	59964	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMF	FAM20C gc	protein-coding
chr8-9804	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr8	98041340	98044783	+	0	NA	promoter-	promoter-	-844	NR_002581	26775	Hs.684855	NR_002581	ENSG00000	SNORA72	RNU72|U72	small nuc	snoRNA
chr9-1101	9.639082	-0.32718	0.752659	-0.43471	0.663777	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	3' UTR (N	3' UTR (N	39462	NM_001012	401546	Hs.125608	NM_001012	ENSG00000	C9orf152	bA470J20.	chromosom	protein-coding
chr8-7015	5.89933	-0.42777	0.9847	-0.43442	0.663985	0.981636	chr8	70155610	70155840	+	0	NA	intron (N	MER58B|DN	-84473	NM_024504	63978	Hs.736037	NM_024504	ENSG00000	PRDM14	PFM11	PR/SET dc	protein-coding
chr11-659	9.64694	-0.32858	0.75645	-0.43437	0.664022	0.981636	chr11	6599603	6601658	+	0	NA	intron (N	(CATA)n|S	2986	NM_015324	23378	Hs.652255	NM_015324	ENSG00000	RRP8	KIAA0409|	ribosomal	protein-coding
chr14-393	9.64694	-0.32858	0.75645	-0.43437	0.664022	0.981636	chr14	39327617	39328213	+	0	NA	intron (N	L1PA7|LIN	60530	NM_001354	4253	Hs.287694	NM_005930	ENSG00000	MIA2	CTAGE5|ME	MIA SH3 c	protein-coding
chr1-1559	10.89636	0.308026	0.70963	0.434066	0.66424	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	Tigger8|D	-5904	NR_106796	1.02E+08		NR_106796	ENSG00000	MIR6738	hsa-mir-6	microRNA	ncRNA
chr1-1863	10.89636	0.308026	0.70963	0.434066	0.66424	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	37808	NM_001127	10216	Hs.647723	NM_005807	ENSG00000	PRG4	CACP|HAPC	proteogly	protein-coding
chr1-2155	10.89636	0.308026	0.70963	0.434066	0.66424	0.981636	chr1	2.16E+08	2.16E+08	+	0	NA	exon (NM_	exon (NM_	11705	NM_001319	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr17-199	10.89636	0.308026	0.70963	0.434066	0.66424	0.981636	chr17	19957109	19957658	+	0	NA	intron (N	AluY|SINE	20445	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr14-709	9.854187	0.325502	0.749895	0.434064	0.664242	0.981636	chr14	70949407	70949990	+	0	NA	intron (N	intron (N	42239	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr5-9358	11.94824	0.299871	0.691018	0.433955	0.664321	0.981636	chr5	93585237	93585645	+	0	NA	exon (NM_	exon (NM_	2219	NM_005654	7025	Hs.519445	NM_005654	ENSG00000	NR2F1	BBOAS|BBS	nuclear r	protein-coding
chr20-944	9.16191	-0.33612	0.774768	-0.43384	0.664407	0.981636	chr20	9446731	9447103	+	0	NA	intron (N	(CAA)n|Si	-67441	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr7-1397	9.16191	-0.33612	0.774768	-0.43384	0.664407	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	2090	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr6-8883	5.676737	0.432146	0.9962	0.433795	0.664437	0.981636	chr6	88833489	88834039	+	0	NA	intron (N	AluSg|SIN	129854	NM_001286	8732	Hs.567378	NM_003800	ENSG00000	RNGTT	CAP1A|HCE	RNA guany	protein-coding
chr1-4292	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr1	42925437	42931417	+	0	NA	intron (N	MIRb|SINE	30441	NM_006516	6513	Hs.473721	NM_006516	ENSG00000	SLC2A1	CSE|DYT17	solute ca	protein-coding
chr1-8900	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr1	89008564	89017562	+	0	NA	intron (N	AluSz6|SI	9803	NM_001319	2635	Hs.720167	NM_018284	ENSG00000	GBP3	-	guanylate	protein-coding
chr12-461	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr12	46193633	46201853	+	0	NA	exon (NM_	exon (NM_	68773	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr13-369	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr13	36993066	36994086	+	0	NA	intron (N	intron (N	5764	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr14-999	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr14	99900916	99904125	+	0	NA	intron (N	MER41-int	-68902	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr16-295	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr16	29543351	29545537	+	0	NA	TTS (NR_1	TTS (NR_1	-38570	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr3-5759	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr3	57595203	57595884	+	0	NA	intron (N	intron (N	1801	NM_001660	378	Hs.652183	NM_001660	ENSG00000	ARF4	ARF2	ADP ribos	protein-coding
chr5-1285	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	8057	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr5-1786	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	MER1B|DNA	-14305	NM_173465	91522	Hs.660026	NM_173465	ENSG00000	COL23A1	-	collagen	protein-coding
chr6-1444	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	34752	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr8-4790	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr8	47908702	47912676	+	0	NA	intron (N	L1M5|LINE	49447	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr9-3331	9.631225	-0.32581	0.751276	-0.43368	0.664523	0.981636	chr9	33318417	33320058	+	0	NA	intron (N	intron (N	28721	NM_147134	4799	Hs.413074	NM_002504	ENSG00000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr1-2470	17.05046	0.252815	0.582961	0.433674	0.664525	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	3708	NM_001142	79862	Hs.163754	NM_024804	ENSG00000	ZNF669	-	zinc fing	protein-coding
chr12-101	5.211581	0.448383	1.034068	0.433611	0.664571	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz6|SI	37193	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr19-162	5.211581	0.448383	1.034068	0.433611	0.664571	0.981636	chr19	1626048	1626852	+	0	NA	intron (N	AluSp|SIN	-20988	NM_006830	10975	Hs.8372	NM_006830	ENSG00000	UQCR11	0710008DC	ubiquinol	protein-coding
chr5-1296	6.458782	-0.40004	0.922655	-0.43357	0.664599	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	LTR16A|LT	-92817	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr1-9754	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr1	9754148	9754971	+	0	NA	intron (N	AluSq4|SI	63092	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-2016	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	MIRb|SINE	15802	NM_020443	89796	Hs.585374	NM_020443	ENSG00000	NAV1	POMFIL3|S	neuron na	protein-coding
chr10-864	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr10	86481520	86483326	+	0	NA	intron (N	L1MC4|LIN	39361	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAAC	WAPL cohe	protein-coding
chr11-122	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr11	12206335	12210426	+	0	NA	TTS (NM_C	TTS (NM_C	44697	NR_106739	1.02E+08		NR_106739	ENSG00000	MIR6124	hsa-mir-6	microRNA	ncRNA
chr12-880	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr12	88078217	88079157	+	0	NA	intron (N	L1MC1|LIN	43151	NM_001009	91298	Hs.591009	NM_001009	ENSG00000	C12orf29	-	chromosom	protein-coding
chr14-350	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr14	35083460	35085016	+	0	NA	TTS (NM_C	TTS (NM_C	3157	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-501	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr14	50178835	50181371	+	0	NA	intron (N	AluSz|SIN	51475	NM_006939	6655	Hs.291533	NM_006939	ENSG00000	SOS2	NS9|SOS-2	SOS Ras/F	protein-coding
chr14-761	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr14	76169894	76172166	+	0	NA	3' UTR (N	3' UTR (N	16676	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch c	protein-coding
chr14-103	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	15790	NM_001100	7517	Hs.592325	NM_005432	ENSG00000	XRCC3	CMM6	X-ray rep	protein-coding
chr16-474	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr16	47453502	47453995	+	0	NA	intron (N	LTR67B|LT	7315	NM_030790	81533	Hs.42217	NM_030790	ENSG00000	ITFG1	2310047C2	integrin	protein-coding
chr16-678	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr16	67849538	67851095	+	0	NA	intron (N	AluY|SINE	-2623	NM_025082	80152	Hs.288382	NM_025082	ENSG00000	CENPT	C16orf56|	centromer	protein-coding
chr17-319	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr17	31982337	31984307	+	0	NA	intron (N	AluSx3|SI	-24061	NM_001321	114659	Hs.514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr18-276	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr18	2765745	2767988	+	0	NA	intron (N	intron (N	-80140	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding

chr19-168	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr19	16873022	16874103	+	0	NA	intron (N	intron (N	10288	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 trar	protein-coding
chr2-9919	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr2	99191494	99193055	+	0	NA	intron (N	intron (N	11090	NR_028356	51263	Hs.346736	NM_016503	ENSG00000	MRPL30	L28MT|L30	mitochonc	protein-coding
chr2-1279	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	52863	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr2-1591	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSx1|SI	-13312	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr20-445	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr20	44512680	44513448	+	0	NA	intron (N	intron (N	9006	NM_006811	10955	Hs.272168	NM_006811	ENSG00000	SERINC3	AIGP1|DIF	serine ir	protein-coding
chr3-1448	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr3	14485807	14486698	+	0	NA	non-codir	non-codir	54090	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr3-2733	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr3	27337870	27338465	+	0	NA	intron (N	L1PA6|LIN	31216	NM_199347	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-1490	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	46412	NM_004130	2992	Hs.477892	NM_004130	ENSG00000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr3-1837	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	46785	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr4-1650	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr4	16508869	16510380	+	0	NA	intron (N	MIR|SINE|	282961	NR_027697	202020	Hs.445315	NM_152684	ENSG00000	TAPT1-AS1	-	TAPT1 ant	ncRNA
chr4-2672	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr4	26724612	26725730	+	0	NA	intron (N	L1M4|LINE	135073	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr4-7565	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr4	75651460	75651758	+	0	NA	intron (N	intron (N	-21081	NM_001330	8999	Hs.591698	NM_003948	ENSG00000	CDKL2	KKIAMRE|F	cyclin de	protein-coding
chr6-4259	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr6	42594899	42596524	+	0	NA	intron (N	AluJb|SIN	31682	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitir	protein-coding
chr6-1114	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L2|LINE|L	-75882	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr6-1366	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	MIRb|SINE	27920	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr6-1495	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-3126	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr6-1580	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	56007	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1123	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-97818	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interferc	protein-coding
chr7-1405	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-54912	NR_117084	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr8-6150	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr8	61502047	61502386	+	0	NA	TTS (NM_1	TTS (NM_1	187595	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr9-9355	6.435208	-0.39409	0.909115	-0.43349	0.664661	0.981636	chr9	93551059	93554279	+	0	NA	intron (N	intron (N	-23915	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr17-818	5.178299	0.443657	1.024264	0.433147	0.664908	0.981636	chr17	81822514	81823245	+	0	NA	3’ UTR (N	3’ UTR (N	10412	NM_001288	348262	Hs.514632	NM_207368	ENSG00000	MCRIP1	FAM195B|C	MAPK regu	protein-coding
chr3-1885	10.87279	0.312271	0.721086	0.433057	0.664973	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	intron (N	AluSx1|SI	43506	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr1-2093	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr1	20930266	20930694	+	0	NA	intron (N	Tigger1|D	57952	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr12-191	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr12	19127002	19127427	+	0	NA	Intergeni	Tigger1|D	-2519	NM_019012	54477	Hs.188614	NM_019012	ENSG00000	PLEKHA5	PEPP-2|PE	pleckstri	protein-coding
chr3-3702	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr3	37025927	37026454	+	0	NA	intron (N	intron (N	32840	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homc	protein-coding
chr6-8975	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr6	89758299	89758976	+	0	NA	intron (N	intron (N	61157	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr7-1284	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	20414	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr7-1492	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1MA3|LIN	8282	NR_144367	1E+08	Hs.490512	NM_001195	ENSG00000	ZNF783	-	zinc fing	protein-coding
chr8-4160	5.667029	0.419331	0.968559	0.432944	0.665056	0.981636	chr8	41609157	41609915	+	0	NA	intron (N	intron (N	31020	NM_001363	137964	Hs.355753	NM_178819	ENSG00000	GPAT4	1-AGPAT 6	glycerol-	protein-coding
chr1-1566	9.654798	-0.33	0.762743	-0.43265	0.665269	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	4419	NM_006617	10763	Hs.527971	NM_006617	ENSG00000	NES	Nbla00170	nestin	protein-coding
chr13-114	7.207456	0.578916	1.338677	0.432454	0.665411	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-11998	NR_039724	1.01E+08		NR_039724	ENSG00000	MIR4502	-	microRNA	ncRNA
chr10-413	10.9375	0.309127	0.714953	0.432374	0.665469	0.981636	chr10	41313961	41314259	+	0	NA	Intergeni	ALR/Alpha	1053935	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-9888	10.19142	0.521658	1.207508	0.432012	0.665732	0.981636	chr4	98880947	98881146	+	0	NA	exon (NM_	exon (NM_	48087	NM_001130	1977	Hs.13211	NM_001968	ENSG00000	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr11-130	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	-18246	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr12-461	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr12	4612670	4613968	+	0	NA	intron (N	MIR|SINE|	8456	NM_001282	8798	Hs.439530	NM_003845	ENSG00000	DYRK4	-	dual spec	protein-coding
chr12-885	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr12	88516926	88518821	+	0	NA	intron (N	intron (N	62598	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligar	protein-coding
chr15-891	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr15	89185376	89187167	+	0	NA	intron (N	intron (N	35308	NM_000326	6017	Hs.1933	NM_000326	ENSG00000	RLBP1	CRALBP	retinalde	protein-coding
chr16-372	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr16	3729767	3731007	+	0	NA	intron (N	intron (N	-12863	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-680	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr16	68053602	68056605	+	0	NA	intron (N	intron (N	-30267	NM_173163	4775	Hs.436585	NM_004555	ENSG00000	NFATC3	NF-AT4c|N	nuclear f	protein-coding
chr19-183	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr19	18310800	18313958	+	0	NA	intron (N	intron (N	10697	NM_012321	25804	Hs.515255	NM_012321	ENSG00000	LSM4	GRP|YER11	LSM4 homc	protein-coding
chr21-448	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr21	44809395	44810579	+	0	NA	intron (N	intron (N	7746	NR_109928	1.02E+08	Hs.116142	NR_109928		LINC01424	-	long inte	ncRNA
chr3-1503	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr3	15030961	15032701	+	0	NA	intron (N	AluSx|SIN	33484	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochonc	protein-coding
chr7-5334	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr7	5334264	5335135	+	0	NA	intron (N	intron (N	51756	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-6684	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr7	6684941	6685596	+	0	NA	Intergeni	AluY|SINE	21679	NM_006956	7559	Hs.431471	NM_006956	ENSG00000	ZNF12	GIOT-3|HZ	zinc fing	protein-coding
chr7-1587	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	-54687	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr8-4295	5.674887	0.416681	0.964854	0.431859	0.665844	0.981636	chr8	42956758	42957629	+	0	NA	intron (N	intron (N	60215	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr19-471	9.357599	0.335311	0.776657	0.431736	0.665933	0.981636	chr19	47173070	47173298	+	0	NA	intron (N	AluSg|SIN	42349	NM_001145	10055	Hs.515500	NM_005500	ENSG00000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr5-3767	9.357599	0.335311	0.776657	0.431736	0.665933	0.981636	chr5	376762	376977	+	0	NA	intron (N	intron (N	66291	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr19-476	8.41527	0.368073	0.852889	0.43156	0.666061	0.981636	chr19	47699222	47699640	+	0	NA	intron (N	intron (N	-13991	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domair	protein-coding
chr1-2784	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr1	27849008	27851604	+	0	NA	exon (NM_	exon (NM_	15905	NR_002997	677774	Hs.689694	NR_002997	ENSG00000	SCARNA1	ACA35	small Ca	ncRNA
chr1-7029	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr1	70290890	70293092	+	0	NA	intron (N	AluSx1|SI	62731	NM_030816	81573	Hs.744989	NM_030816	ENSG00000	ANKRD13C	dJ677H15.	ankyrin r	protein-coding
chr1-1679	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	L1M4|LINE	-5839	NM_001143	25874	Hs.517768	NM_015415	ENSG00000	MPC2	BRP44|SLC	mitochonc	protein-coding
chr10-339	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr10	339333	341728	+	0	NA	intron (N	intron (N	160536	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-100	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-10798	NR_002954	677800	Hs.662165	NR_002954	ENSG00000	SNORA12	U108	small nuc	snoRNA
chr11-434	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr11	43440403	43441669	+	0	NA	intron (N	AluSz6|SI	82116	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-478	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr11	47828210	47829976	+	0	NA	intron (N	L1MB8|LIN	19257	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-625	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr11	62577631	62578871	+	0	NA	intron (N	intron (N	-4360	NM_001404	1937	Hs.144835	NM_001404	ENSG00000	EEF1G	EF1G|GIG3	eukaryoti	protein-coding
chr14-703	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr14	70332675	70334578	+	0	NA	intron (N	L1M1|LINE	26057	NM_016468	51241	Hs.709581	NM_016468	ENSG00000	COX16	C14orf112	cytochrom	protein-coding
chr15-636	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr15	63608481	63609035	+	0	NA	3’ UTR (N	3’ UTR (N	-7931	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr17-305	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr17	30513512	30514317	+	0	NA	intron (N	AluJr4|SI	36506	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-387	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr17	38768983	38769579	+	0	NA	3’ UTR (N	3’ UTR (N	16540	NR_104194	5691	Hs.82793	NM_002795	ENSG00000	PSMB3	HC10-II	proteasom	protein-coding
chr17-400	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr17	40047833	40049218	+	0	NA	intron (N	Charlie1a	5883	NR_052017	9862	Hs.462983	NM_014815	ENSG00000	MED24	ARC100|CR	mediator	protein-coding
chr18-639	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr18	63981672	63983078	+	0	NA	intron (N	intron (N	12294	NM_001348	5271	Hs.368077	NM_002640	ENSG00000	SERPINB8	C18orf53|	serpin fa	protein-coding
chr19-389	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr19	38905398	38906354	+	0	NA	intron (N	intron (N	5907	NM_002503	4793	Hs.9731	NM_002503	ENSG00000	NFKBIB	IKBB|TRIF	NFKB inhi	protein-coding
chr2-6186	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr2	61864392	61864969	+	0	NA	Intergeni	ERVL-int|	-10620	NM_001201	84140	Hs.440466	NM_032180	ENSG00000	FAM161A	RP28	FAM161 ce	protein-coding
chr22-240	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr22	24055090	24055811	+	0	NA	intron (N	intron (N	44080	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr22-453	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr22	45335460	45336221	+	0	NA	intron (N	intron (N	17397	NM_001349	55007	Hs.265018	NM_017911	ENSG00000	FAM118A	C22orf8	family wi	protein-coding
chr4-1588	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	63408	NM_001323	57600	Hs.652441	NM_020840	ENSG00000	FNIP2	FNIPL|MAF	folliculi	protein-coding
chr8-1449	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	L1M4b|LIN	-13631	NR_002807	286102	Hs.744580	NR_002807		TMED10P1	S31I125|S	transmemb	pseudo
chr9-8168	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr9	81681471	81682408	+	0	NA	intron (N	intron (N	7596	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr9-1089	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	21891	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr9-1124	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-45037	NM_001287	158405	Hs.656619	NM_133465	ENSG00000	KIAA1958	-	KIAA1958	protein-coding
chr9-1364	6.204757	0.39801	0.922473	0.43146	0.666134	0.981636	chr9	1.36E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	-15445	NM_001276	9919	Hs.522500	NM_014866	ENSG00000	SEC16A	KIAA0310|	SEC16 hom	protein-coding
chr10-730	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr10	73026056	73030536	+	0	NA	intron (N	intron (N	68678	NM_000917	5033	Hs.500047	NM_000917	ENSG00000	P4HA1	P4HA	prolyl 4-	protein-coding
chr10-933	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr10	93308931	93311220	+	0	NA	exon (NM_	exon (NM_	172259	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlir	protein-coding
chr15-437	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr15	43770086	43774183	+	0	NA	TTS (NM_0	TTS (NM_0	4832	NM_025165	80237	Hs.706346	NM_025165	ENSG00000	ELL3	-	elongatic	protein-coding
chr16-245	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr16	24546199	24550147	+	0	NA	intron (N	intron (N	8586	NM_032626	5930	Hs.188553	NM_006910	ENSG00000	RBBP6	MY038|P2P	RB bindir	protein-coding
chr17-161	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr17	16138295	16139108	+	0	NA	intron (N	MER5B|DNA	14495	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-397	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr17	39723711	39724006	+	0	NA	intron (N	intron (N	-2637	NR_039881	1.01E+08		NR_039881	ENSG00000	MIR4728	-	microRNA	ncRNA
chr17-645	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr17	64574815	64598845	+	0	NA	intron (N	intron (N	75477	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr19-177	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr19	17730071	17731916	+	0	NA	intron (N	AluSx1|SI	10837	NM_001308	55201	Hs.66048	NM_018174	ENSG00000	MAP1S	BPY2IP1|C	microtubu	protein-coding
chr2-3358	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr2	33585589	33587269	+	0	NA	intron (N	intron (N	12870	NM_015475	25940	Hs.468140	NM_015475	ENSG00000	FAM98A	-	family wi	protein-coding
chr2-3931	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr2	39311313	39311944	+	0	NA	intron (N	MLT1F|LTR	-67645	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-9717	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr2	97177018	97177701	+	0	NA	intron (N	L1PA2|LIN	64206	NM_001354	375248	Hs.541894	NM_198555	ENSG00000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr2-2161	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	AluSz|SIN	14231	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr21-347	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr21	34797568	34800038	+	0	NA	intron (N	MER2|DNA|	52978	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr5-1025	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr5	10252367	10261173	+	0	NA	intron (N	intron (N	6233	NM_001306	22948	Hs.1600	NM_012073	ENSG00000	CCT5	CCT-epsil	chaperoni	protein-coding
chr5-1284	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	133132	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr7-7468	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr7	74689006	74704450	+	0	NA	intron (N	AluSx1|SI	32190	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr9-1104	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-94712	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1119	9.623367	-0.32444	0.75227	-0.43128	0.666264	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-14417	NR_039814	1.01E+08		NR_039814	ENSG00000	MIR4668	mir-4668	microRNA	ncRNA
chr1-1095	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSp|SIN	-22140	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr11-652	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr11	652445	652819	+	0	NA	intron (N	AluSz|SIN	15363	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr12-252	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr12	25223529	25225642	+	0	NA	intron (N	Tigger3b|	26344	NM_001369	3845	Hs.505033	NM_004985	ENSG00000	KRAS	C-K-RAS|C	KRAS prot	protein-coding
chr2-8857	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr2	88578466	88579313	+	0	NA	intron (N	L1ME4a|LI	40169	NR_110236	1.02E+08	Hs.738045	NR_110236	ENSG00000	LOC101928	-	uncharact	ncRNA
chr2-1281	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSq2|SI	11004	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-glucc	protein-coding
chr22-298	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr22	29819613	29820685	+	0	NA	intron (N	intron (N	18125	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatir	protein-coding
chr4-4851	6.394068	-0.39759	0.921981	-0.43123	0.666301	0.981636	chr4	48513542	48515374	+	0	NA	intron (N	intron (N	24206	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr1-1539	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	3161	NM_001272	5872	Hs.151536	NM_002870	ENSG00000	RAB13	GIG4	RAB13, me	protein-coding
chr1-1799	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJr4|SI	22834	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr1-1835	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	exon (NM_	exon (NM_	44418	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr3-7097	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr3	70976012	70978269	+	0	NA	intron (N	intron (N	87784	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr3-1393	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	21468	NM_004766	9276	Hs.681616	NM_004766	ENSG00000	COPB2	MCPH19|be	coatomer	protein-coding
chr6-4430	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr6	44309929	44311555	+	0	NA	intron (N	MIR3|SINE	2605	NM_020745	57505	Hs.158381	NM_020745	ENSG00000	AARS2	AARSL|COX	alanyl-tR	protein-coding
chr8-1449	10.90422	0.306621	0.711154	0.431159	0.666353	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20377	NM_006958	7564	Hs.493225	NM_006958	ENSG00000	ZNF16	HZF1|KOX9	zinc fing	protein-coding
chr1-6170	6.196899	0.400499	0.929036	0.431091	0.666403	0.981636	chr1	61708514	61709112	+	0	NA	intron (N	MER46C|DN	16328	NM_032027	83941	Hs.656790	NM_032027	ENSG00000	TM2D1	BBP	TM2 domai	protein-coding
chr16-880	6.196899	0.400499	0.929036	0.431091	0.666403	0.981636	chr16	88026966	88028257	+	0	NA	exon (NM_	exon (NM_	57593	NM_001173	54971	Hs.461705	NM_017869	ENSG00000	BANP	BEND1|SMA	BTG3 assc	protein-coding
chr3-1558	6.196899	0.400499	0.929036	0.431091	0.666403	0.981636	chr3	15585799	15587438	+	0	NA	intron (N	intron (N	-14734	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding
chr2-1137	9.862045	0.323908	0.751639	0.430936	0.666515	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	10601	NM_001330	80255	Hs.355655	NM_025181	ENSG00000	SLC35F5	-	solute ca	protein-coding
chr3-1225	8.700453	-0.34872	0.809397	-0.43084	0.666585	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-21433	NM_002264	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr8-4316	9.556803	-0.33199	0.770654	-0.43079	0.666622	0.981636	chr8	43169405	43169979	+	0	NA	intron (N	intron (N	29228	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr12-118	5.659171	0.421987	0.980345	0.430447	0.66687	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	15140	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homc	protein-coding
chr15-682	11.40081	0.299229	0.69516	0.430446	0.666871	0.981636	chr15	68289993	68291228	+	0	NA	exon (NM_	exon (NM_	12865	NM_015322	10116	Hs.362733	NM_015322	ENSG00000	FEM1B	F1A-ALPHA	fem-1 hom	protein-coding
chr17-771	11.40081	0.299229	0.69516	0.430446	0.666871	0.981636	chr17	77194434	77197842	+	0	NA	intron (N	intron (N	10925	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr19-437	6.845817	-0.388	0.90207	-0.43013	0.667104	0.981636	chr19	43742052	43742392	+	0	NA	intron (N	AluJb|SIN	12740	NM_019108	56006	Hs.466875	NM_019108	ENSG00000	SMG9	C19orf61|	SMG9 nons	protein-coding
chr20-349	6.879099	-0.38244	0.889161	-0.43012	0.66711	0.981636	chr20	349816	351101	+	0	NA	intron (N	AluSq4|SI	2553	NM_001323	80023	Hs.416024	NM_024958	ENSG00000	NRSN2	C20orf98|	neurensir	protein-coding
chr4-1560	6.879099	-0.38244	0.889161	-0.43012	0.66711	0.981636	chr4	15603072	15604025	+	0	NA	TTS (NM_0	TTS (NM_0	51809	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box anc	protein-coding
chr2-5588	10.36649	0.313543	0.730352	0.429304	0.667702	0.981636	chr2	55880914	55881699	+	0	NA	intron (N	intron (N	42476	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr1-2775	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr1	27758518	27758805	+	0	NA	intron (N	AluJb|SIN	-14558	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr10-573	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr10	5739858	5743612	+	0	NA	intron (N	intron (N	56897	NM_001321	54906	Hs.610717	NM_017782	ENSG00000	TASOR2	C10orf18|	transcrip	protein-coding
chr10-124	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr10	1.24E+08	1.24E+08	+	0	NA	TTS (NM_0	TTS (NM_0	21799	NM_001322	4942	Hs.523332	NM_000274	ENSG00000	OAT	GACR|HOGA	ornithine	protein-coding
chr10-125	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	3922	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA

chr11-944	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr11	9445355	9446397	+		0	NA	3’ UTR (N	3’ UTR (N	14822	NR_036539	644656	Hs.597846	NR_036539	ENSG00000	LOC644656	-	uncharact	ncRNA
chr11-137	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr11	13714860	13715855	+		0	NA	intron (N	intron (N	46689	NM_032228	84188	Hs.501991	NM_032228	ENSG00000	FAR1	MLSTD2|PF	fatty acy	protein-coding
chr12-126	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr12	1263335	1264445	+		0	NA	intron (N	AluSq10|S	236142	NM_001301	23085	Hs.601216	NM_178039	ENSG00000	ERC1	Cast2|ELK	ELKS/RAB6	protein-coding
chr12-660	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr12	6603877	6604622	+		0	NA	intron (N	AluSx1|SI	2202	NM_001297	1108	Hs.162233	NM_001273	ENSG00000	CHD4	CHD-4|Mi-	chromodom	protein-coding
chr12-101	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr12	1.02E+08	1.02E+08	+		0	NA	3’ UTR (N	3’ UTR (N	45425	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr12-122	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr12	1.22E+08	1.22E+08	+		0	NA	3’ UTR (N	3’ UTR (N	28103	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr14-347	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr14	34789710	34792455	+		0	NA	intron (N	AluSp|SIN	-76259	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr14-747	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr14	74787807	74788979	+		0	NA	intron (N	AluY|SINE	25077	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr17-394	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr17	39468052	39468926	+		0	NA	intron (N	AluSp|SIN	7003	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr17-444	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr17	44422665	44423567	+		0	NA	intron (N	AluSq4|SI	13735	NM_001304	23131	Hs.463129	NM_001002	ENSG00000	GPATCH8	GPATC8|KI	G-patch c	protein-coding
chr17-826	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr17	82633882	82634519	+		0	NA	intron (N	L1MB2|LIN	14244	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr19-126	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr19	12671369	12671935	+		0	NA	TTS (NR_1	TTS (NR_1	1899	NM_032332	84292	Hs.657204	NM_032332	ENSG00000	WDR83	MORG1	WD repeat	protein-coding
chr2-4357	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr2	43574742	43575663	+		0	NA	intron (N	intron (N	20772	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr2-2379	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr2	2.38E+08	2.38E+08	+		0	NA	intron (N	intron (N	26065	NM_001278	140739	Hs.471785	NM_080678	ENSG00000	UBE2F	NCE2	ubiquitin	protein-coding
chr20-200	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr20	20028047	20029346	+		0	NA	intron (N	(ATATAC)n	10901	NM_181527	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr20-508	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr20	50897104	50898128	+		0	NA	intron (N	Tigger3|D	12175	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr21-437	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr21	43763507	43763869	+		0	NA	Intergeni	AluSg|SIN	12687	NM_000100	1476	Hs.695	NM_000100	ENSG00000	CSTB	CPI-B|CST	cystatin	protein-coding
chr3-1418	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr3	14181116	14183820	+		0	NA	intron (N	intron (N	3651	NM_014463	27258	Hs.111632	NM_014463	ENSG00000	LSM3	SMX4|USS2	LSM3 homo	protein-coding
chr3-3708	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr3	37082414	37082613	+		0	NA	intron (N	L1MC1|LIN	89163	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-1882	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr3	1.88E+08	1.88E+08	+		0	NA	intron (N	MLT1F2|LT	5795	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr4-2541	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr4	25414779	25415661	+		0	NA	intron (N	intron (N	37957	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr6-7190	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr6	7190914	7192563	+		0	NA	intron (N	L1MB8|LIN	83777	NM_001003	6239	Hs.298248	NM_002955	ENSG00000	RREB1	FINB|HNT|	ras respo	protein-coding
chr6-1751	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr6	17514449	17514831	+		0	NA	intron (N	AluSx|SIN	-3375	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr6-1091	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr6	1.09E+08	1.09E+08	+		0	NA	intron (N	intron (N	-11389	NR_152435	221262	Hs.373914	NM_173671	ENSG00000	CCDC162P	C6orf183|	coiled-cc	pseudo
chr7-1352	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr7	1.35E+08	1.35E+08	+		0	NA	intron (N	AluSz|SIN	1339	NR_106764	1.02E+08		NR_106764	ENSG00000	MIR6509	hsa-mir-6	microRNA	ncRNA
chr8-3821	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr8	38214128	38215866	+		0	NA	Intergeni	AluSz|SIN	-16494	NM_001164	23259	Hs.434966	NM_015214	ENSG00000	DDHD2	SAMWD1|SF	DDHD doma	protein-coding
chr9-9348	6.42735	-0.39204	0.913445	-0.42919	0.667786	0.981636	chr9	93484516	93484769	+		0	NA	intron (N	AluSx|SIN	-31041	NR_136229	158293	Hs.350364	NM_198841	ENSG00000	FAM120AOS	C9orf10OS	family wi	protein-coding
chr16-850	5.716027	0.418375	0.975097	0.42906	0.667879	0.981636	chr16	85075504	85076139	+		0	NA	intron (N	intron (N	12609	NM_001286	9764	Hs.301658	NM_014732	ENSG00000	KIAA0513	-	KIAA0513	protein-coding
chr6-3177	5.716027	0.418375	0.975097	0.42906	0.667879	0.981636	chr6	31778100	31779109	+		0	NA	intron (N	AluJb|SIN	-1276	NM_025258	80737	Hs.558553	NM_025258	ENSG00000	VWA7	C6orf27|C	von Wille	protein-coding
chr7-4439	5.716027	0.418375	0.975097	0.42906	0.667879	0.981636	chr7	44391279	44392130	+		0	NA	intron (N	intron (N	-66073	NM_172079	816	Hs.351887	NM_001220	ENSG00000	CAMK2B	CAM2|CAMK	calcium/c	protein-coding
chr7-1280	5.716027	0.418375	0.975097	0.42906	0.667879	0.981636	chr7	1.28E+08	1.28E+08	+		0	NA	TTS (NR_0	TTS (NR_0	248	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr16-217	6.245897	0.399778	0.93183	0.429025	0.667905	0.981636	chr16	2170279	2170864	+		0	NA	intron (N	intron (N	14789	NM_032271	84231	Hs.713632	NM_032271	ENSG00000	TRAF7	CAFDADD|R	TNF recep	protein-coding
chr1-2403	5.965893	-0.41539	0.968394	-0.42894	0.667964	0.981636	chr1	2.4E+08	2.4E+08	+		0	NA	intron (N	L1MD2|LIN	225837	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr12-780	5.965893	-0.41539	0.968394	-0.42894	0.667964	0.981636	chr12	78029833	78030313	+		0	NA	intron (N	Tigger4|D	199179	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr17-824	5.965893	-0.41539	0.968394	-0.42894	0.667964	0.981636	chr17	82471004	82471518	+		0	NA	intron (N	AluY|SINE	12520	NM_012336	26502	Hs.256526	NM_012336	ENSG00000	NARF	IOP2	nuclear p	protein-coding
chr2-7307	5.965893	-0.41539	0.968394	-0.42894	0.667964	0.981636	chr2	73079277	73079629	+		0	NA	intron (N	intron (N	-7617	NM_144579	94097	Hs.368171	NM_144579	ENSG00000	SFXN5	BBG-TCC|S	siderofle	protein-coding
chr11-134	6.871241	-0.38051	0.887091	-0.42894	0.667966	0.981636	chr11	1.34E+08	1.34E+08	+		0	NA	intron (N	intron (N	-16379	NR_145790	1.1E+08		NR_145790		SNORD153	-	small nuc	snoRNA
chr12-565	6.871241	-0.38051	0.887091	-0.42894	0.667966	0.981636	chr12	56525225	56525744	+		0	NA	intron (N	AluSz6|SI	3664	NM_002898	5939	Hs.505729	NM_002898	ENSG00000	RBMS2	SCR3	RNA bindi	protein-coding
chr2-1134	6.871241	-0.38051	0.887091	-0.42894	0.667966	0.981636	chr2	1.13E+08	1.13E+08	+		0	NA	intron (N	Tigger16a	-27807	NM_012184	200350	Hs.591554	NM_012184	ENSG00000	FOXD4L1	FOXD5|bA3	forkhead	protein-coding
chr2-2011	6.871241	-0.38051	0.887091	-0.42894	0.667966	0.981636	chr2	2.01E+08	2.01E+08	+		0	NA	intron (N	intron (N	767	NR_040030	65072	Hs.664613	NR_040030	ENSG00000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr1-1560	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr1	1.56E+08	1.56E+08	+		0	NA	intron (N	intron (N	4905	NM_020131	56893	Hs.283739	NM_020131	ENSG00000	UBQLN4	A1U|A1Up|	ubiquilin	protein-coding
chr1-2415	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr1	2.42E+08	2.42E+08	+		0	NA	3’ UTR (N	3’ UTR (N	40482	NM_001821	1122	Hs.654545	NM_001821	ENSG00000	CHML	REP2	CHM like	protein-coding
chr10-366	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr10	366073	369135	+		0	NA	intron (N	L1MC|LINE	187610	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr14-776	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr14	77679013	77679732	+		0	NA	intron (N	intron (N	28651	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homo	protein-coding
chr14-101	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr14	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	-59725	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT2O|DHC	dynein cy	protein-coding
chr15-509	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr15	50920374	50922300	+		0	NA	intron (N	intron (N	12654	NM_001252	23431	Hs.413366	NM_007347	ENSG00000	AP4E1	CPSQ4|SPC	adaptor r	protein-coding
chr16-727	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr16	72798307	72799048	+		0	NA	exon (NM_	exon (NM_	-133707	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr17-269	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr17	2699451	2700090	+		0	NA	intron (N	AluSx4|SI	-6851	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr17-411	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr17	4118428	4119351	+		0	NA	intron (N	HERVL-int	24141	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-570	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr17	57001812	57002738	+		0	NA	intron (N	intron (N	24168	NM_021626	59342	Hs.514950	NM_021626	ENSG00000	SCPEP1	HSCP1|RIS	serine ca	protein-coding
chr17-648	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr17	64815634	64816633	+		0	NA	intron (N	intron (N	5969	NR_036199	1E+08		NR_036199	ENSG00000	MIR4315-1	-	microRNA	ncRNA
chr18-625	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr18	62542987	62543808	+		0	NA	intron (N	intron (N	20372	NR_126534	54877	Hs.114191	NM_017742	ENSG00000	ZCCHC2	C18orf49	zinc fing	protein-coding
chr19-326	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr19	32630591	32631747	+		0	NA	intron (N	AluSx|SIN	-22700	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr19-556	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr19	55668050	55669026	+		0	NA	exon (NM_	exon (NM_	-6657	NM_001321	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-1214	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr2	1.21E+08	1.21E+08	+		0	NA	intron (N	(TA)n|Sim	-103885	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr2-1310	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr2	1.31E+08	1.31E+08	+		0	NA	intron (N	intron (N	26382	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr21-392	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr21	39229279	39230120	+		0	NA	intron (N	intron (N	-46185	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr21-440	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr21	44033834	44036435	+		0	NA	intron (N	MSTD|LTR|	22825	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr22-390	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr22	39017570	39019086	+		0	NA	exon (NM_	exon (NM_	-2799	NM_152426	140564	Hs.629775	NM_152426	ENSG00000	APOBEC3D	A3D|APOBE	apolipopr	protein-coding
chr4-8485	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr4	84859903	84860675	+		0	NA	intron (N	intron (N	-105327	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr7-7699	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr7	76990509	76992389	+		0	NA	intron (N	AluJo|SIN	10627	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr7-7777	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr7	77775834	77776823	+		0	NA	intron (N	L1MB8|LIN	22106	NM_032936	85025	Hs.19025	NM_032936	ENSG00000	TMEM60	C7orf35|D	transmemb	protein-coding
chr8-9920	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr8	99201686	99202951	+		0	NA	intron (N	intron (N	189052	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-1311	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chr9	1.31E+08	1.31E+08	+		0	NA	intron (N	L1PB1|LIN	29510	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chrX-4122	6.212615	0.395574	0.922535	0.428791	0.668075	0.981636	chrX	41227177	41227947	+		0	NA	intron (N	intron (N	-48177	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr12-119	9.20305	-0.33358	0.778656	-0.4284	0.668359	0.981636	chr12	1198897	1199212	+		0	NA	intron (N	MSTA|LTR|	171306	NM_001301	23085	Hs.601216	NM_178039	ENSG00000	ERC1	Cast2|ELK	ELKS/RAB6	protein-coding
chr1-1385	11.40866	0.297892	0.695376	0.42839	0.668367	0.981636	chr1	1385974	1398206	+		0	NA	TTS (NM_0	TTS (NM_0	6252	NM_001350	81669	Hs.515704	NM_030937	ENSG00000	CCNL2	ANIA-6B|C	cyclin L2	protein-coding
chr19-367	11.40866	0.297892	0.695376	0.42839	0.668367	0.981636	chr19	36754700	36762820	+		0	NA	intron (N	intron (N	14047	NM_001193	342892	Hs.406307	NM_001193	ENSG00000	ZNF850	ZNF850P	zinc fing	protein-coding
chr19-564	11.40866	0.297892	0.695376	0.42839	0.668367	0.981636	chr19	56406810	56423814	+		0	NA	intron (N	intron (N	10980	NM_001159	147949	Hs.146854	NM_152478	ENSG00000	ZNF583	-	zinc fing	protein-coding
chr19-565	11.40866	0.297892	0.695376	0.42839	0.668367	0.981636	chr19	56569185	56577483	+		0	NA	intron (N	MIR|SINE|	5866	NM_001001	388566	Hs.204449	NM_001001	ENSG00000	ZNF470	CZF-1	zinc fing	protein-coding
chr2-6936	11.40866	0.297892	0.695376	0.42839	0.668367	0.981636	chr2	69367114	69373456	+		0	NA	intron (N	L2c|LINE|	16942	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr14-777	6.360787	-0.40334	0.942231	-0.42807	0.668598	0.981636	chr14	77745202	77745522	+		0	NA	intron (N	L2c|LINE|	-15406	NR_161323	283579	Hs.375834	NM_174943	ENSG00000	C14orf178	-	chromosom	ncRNA
chr8-1023	6.360787	-0.40334	0.942231	-0.42807	0.668598	0.981636	chr8	1.02E+08	1.02E+08	+		0	NA	intron (N	Tigger18a	22002	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|E	ubiquitin	protein-coding
chr1-2226	6.767908	0.386477	0.903207	0.427894	0.668729	0.981636	chr1	2.23E+08	2.23E+08	+		0	NA	intron (N	intron (N	9404	NM_001324	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 c	protein-coding
chr10-296	6.767908	0.386477	0.903207	0.427894	0.668729	0.981636	chr10	29674191	29674917	+		0	NA	intron (N	intron (N	-39583	NM_021738	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr17-410	10.40763	0.314628	0.73554	0.427751	0.668832	0.981636	chr17	4103591	4105514	+		0	NA	intron (N	intron (N	38478	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-462	10.40763	0.314628	0.73554	0.427751	0.668832	0.981636	chr17	46216387	46218778	+		0	NA	intron (N	MLT1B|LTR	7792	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr1-2351	9.664506	-0.32214	0.753244	-0.42767	0.668889	0.981636	chr1	2.35E+08	2.35E+08	+		0	NA	3’ UTR (N	3’ UTR (N	16244	NR_002956	677802	Hs.744743	NR_002956	ENSG00000	SNORA14B	ACA14b	small nuc	snoRNA
chr17-498	9.664506	-0.32214	0.753244	-0.42767	0.668889	0.981636	chr17	49825440	49828397	+		0	NA	intron (N	intron (N	-18992	NM_001242	729220	Hs.434138	NM_001242791		FLJ45513	-	uncharact	protein-coding
chr2-3685	9.664506	-0.32214	0.753244	-0.42767	0.668889	0.981636	chr2	36856640	36857355	+		0	NA	intron (N	MSTA|LTR|	109539	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr22-387	9.664506	-0.32214	0.753244	-0.42767	0.668889	0.981636	chr22	38721572	38723104	+		0	NA	intron (N	intron (N	16394	NM_004286	9567	Hs.276925	NM_004286	ENSG00000	GTPBP1	GP-1|GP1|	GTP bindi	protein-coding
chr6-1323	9.664506	-0.32214	0.753244	-0.42767	0.668889	0.981636	chr6	1.32E+08	1.32E+08	+		0	NA	intron (N	L1M4a1|LI	85088	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr6-7570	9.582227	-0.32677	0.764362	-0.42751	0.669007	0.981636	chr6	75709595	75709812	+		0	NA	intron (N	FLAM_A|SI	-39536	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr1-2156	9.615509	-0.32306	0.755674	-0.42751	0.669009	0.981636	chr1	2.16E+08	2.16E+08	+		0	NA	intron (N	intron (N	52581	NM_001319	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr17-172	9.615509	-0.32306	0.755674	-0.42751	0.669009	0.981636	chr17	17265639	17267502	+		0	NA	intron (N	AluSz|SIN	14128	NM_001199	8533	Hs.6076	NM_003653	ENSG00000	COPS3	CSN3|SGN3	COP9 sign	protein-coding
chr4-1196	9.615509	-0.32306	0.755674	-0.42751	0.669009	0.981636	chr4	1.2E+08	1.2E+08	+		0	NA	intron (N	intron (N	11651	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr1-1089	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr1	1.09E+08	1.09E+08	+		0	NA	intron (N	L2a|LINE|	-13157	NM_015127	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr11-703	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr11	70359224	70360881	+		0	NA	intron (N	intron (N	-38454	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-122	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr12	1.22E+08	1.22E+08	+		0	NA	intron (N	AluSz|SIN	-7908	NM_019887	56616	Hs.169611	NM_019887	ENSG00000	DIABLO	DFNA64|SM	diablo IA	protein-coding
chr14-298	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr14	29839934	29840743	+		0	NA	intron (N	THE1B-int	86758	NM_001348	5587	Hs.508999	NM_002742	ENSG00000	PRKD1	CHDED|PKC	protein k	protein-coding
chr15-646	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr15	64691839	64692862	+		0	NA	intron (N	intron (N	10931	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr17-286	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr17	28654554	28655463	+		0	NA	intron (N	AluSx|SIN	6898	NM_006923	6388	Hs.514036	NM_006923	ENSG00000	SDF2	-	stromal c	protein-coding
chr19-296	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr19	29613121	29614724	+		0	NA	exon (NM_	exon (NM_	7639	NR_027368	10775	Hs.412870	NM_006627	ENSG00000	POP4	RPP29	POP4 homo	protein-coding
chr2-2916	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr2	29161542	29161951	+		0	NA	intron (N	LTR40b|LT	46331	NM_001287	79745	Hs.122927	NM_024692	ENSG00000	CLIP4	RSNL2	CAP-Gly c	protein-coding
chr2-3202	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr2	32020401	32021553	+		0	NA	intron (N	FLAM_C|SI	-9969	NR_126034	51072	Hs.444969	NM_015955	ENSG00000	MEMO1	C2orf4|CC	mediator	protein-coding
chr6-5298	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr6	52984969	52985774	+		0	NA	intron (N	intron (N	9913	NM_001512	2941	Hs.485557	NM_001512	ENSG00000	GSTA4	GSTA4-4|G	glutathio	protein-coding
chr7-3007	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr7	30070503	30070765	+		0	NA	intron (N	AluSg7|SI	25549	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr9-9507	5.682745	0.413951	0.968591	0.427374	0.669107	0.981636	chr9	95074739	95076157	+		0	NA	intron (N	intron (N	-9760	NR_029664	407011		NR_029664	ENSG00000	MIR23B	MIRN23B|h	microRNA	ncRNA
chr11-185	9.398739	0.336314	0.787261	0.427195	0.669237	0.981636	chr11	18546778	18547112	+		0	NA	exon (NM_	exon (NM_	-20003	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr11-702	6.837959	-0.38613	0.903931	-0.42716	0.66926	0.981636	chr11	70286174	70286419	+		0	NA	intron (N	AluSx|SIN	2341	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr12-543	6.837959	-0.38613	0.903931	-0.42716	0.66926	0.981636	chr12	54351470	54351669	+		0	NA	non-codin	non-codin	-2122	NR_120486	1.03E+08	Hs.670941	NR_120486	ENSG00000	LOC102724	-	uncharact	ncRNA
chr15-727	6.837959	-0.38613	0.903931	-0.42716	0.66926	0.981636	chr15	72760303	72760821	+		0	NA	intron (N	intron (N	-22273	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr9-1288	6.837959	-0.38613	0.903931	-0.42716	0.66926	0.981636	chr9	1.29E+08	1.29E+08	+		0	NA	intron (N	MIRb|SINE	-6528	NM_001352	883	Hs.495250	NM_004059	ENSG00000	KYAT1	CCBL1|GTK	kynurenin	protein-coding
chr22-463	10.87094	0.304098	0.712129	0.427026	0.66936	0.981636	chr22	46337869	46339590	+		0	NA	intron (N	intron (N	3015	NM_001282	55687	Hs.439524	NM_018006	ENSG00000	TRMU	LCAL3|MTC	tRNA 5-me	protein-coding
chr5-1407	10.87094	0.304098	0.712129	0.427026	0.66936	0.981636	chr5	1.41E+08	1.41E+08	+		0	NA	intron (N	intron (N	3737	NM_144723	153527	Hs.350194	NM_144723	ENSG00000	ZMAT2	Ptg-12|Sn	zinc fing	protein-coding
chr2-1350	10.10054	-0.31659	0.7417	-0.42685	0.669491	0.981636	chr2	1.35E+08	1.35E+08	+		0	NA	intron (N	L1ME2z|LI	8898	NM_012233	22930	Hs.306327	NM_012233	ENSG00000	RAB3GAP1	P130|RAB3	RAB3 GTPa	protein-coding
chr15-650	11.94639	0.292258	0.684749	0.42681	0.669518	0.981636	chr15	65012612	65015898	+		0	NA	intron (N	L2a|LINE|	15384	NM_139242	123263	Hs.531615	NM_139242	ENSG00000	MTFMT	COXPD15|F	mitochond	protein-coding
chr16-295	12.86237	-0.2822	0.661208	-0.42679	0.66953	0.981636	chr16	29532489	29534150	+		0	NA	Intergeni	Intergeni	-27445	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr19-129	12.86237	-0.2822	0.661208	-0.42679	0.66953	0.981636	chr19	12939100	12945543	+		0	NA	intron (N	AluY|SINE	1837	NR_106770	1.02E+08		NR_106770	ENSG00000	MIR6515	hsa-mir-6	microRNA	ncRNA
chr17-843	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr17	8438375	8439575	+		0	NA	intron (N	AluY|SINE	3091	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr18-137	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr18	13740301	13740974	+		0	NA	intron (N	AluJb|SIN	13964	NM_001308	8731	Hs.592347	NM_003799	ENSG00000	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr3-1237	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr3	1.24E+08	1.24E+08	+		0	NA	intron (N	MLT1F1|LT	17646	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr6-1272	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr6	1.27E+08	1.27E+08	+		0	NA	exon (NM_	exon (NM_	20238	NM_030963	81847	Hs.267120	NM_030963	ENSG00000	RNF146	-	ring fing	protein-coding
chr7-5515	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr7	55155301	55159831	+		0	NA	TTS (NM_2	TTS (NM_2	31383	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr9-1004	9.656648	-0.32078	0.75186	-0.42665	0.669636	0.981636	chr9	1E+08	1E+08	+		0	NA	TTS (NM_0	TTS (NM_0	10156	NM_001198	1.01E+08	Hs.598100	NM_001198812		MSANTD3-T	C9orf2|C9	MSANTD3-T	protein-coding
chr7-1285	9.195192	-0.33213	0.778469	-0.42664	0.669639	0.981636	chr7	1.29E+08	1.29E+08	+		0	NA	Intergeni	AluSx3|SI	70208	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|MET1	methyltra	protein-coding
chr12-511	6.206607	0.412932	0.967905	0.426625	0.669652	0.981636	chr12	51108666	51109473	+		0	NA	intron (N	intron (N	-25473	NM_030809	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr15-485	11.90525	0.291193	0.682712	0.426524	0.669726	0.981636	chr15	48525048	48526193	+		0	NA	intron (N	Charlie15	120168	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr3-1962	6.734627	0.382403	0.896855	0.426382	0.669829	0.981636	chr3	1.96E+08	1.96E+08	+		0	NA	intron (N	L1MB7|LIN	26694	NM_001312	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr11-119	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr11	1.19E+08	1.19E+08	+		0	NA	TTS (NM_0	TTS (NM_0	4677	NM_001164	2542	Hs.719203	NM_001467	ENSG00000	SLC37A4	G6PT1|G6P	solute ca	protein-coding
chr16-470	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr16	4709941	4711485	+		0	NA	intron (N	AluJb|SIN	16995	NM_001370	84309	Hs.513315	NM_032349	ENSG00000	NUDT16L1	SDOS|TIRR	nudix hyd	protein-coding
chr17-512	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr17	51285188	51285802	+		0	NA	intron (N	intron (N	24949	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WD	UTP18 sma	protein-coding
chr17-599	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr17	59916321	59917822	+		0	NA	intron (N	HAL1|LINE	23950	NR_161462	6198	Hs.463642	NM_003161	ENSG00000	RPS6KB1	PS6K|S6K|	ribosomal	protein-coding

chr19-325	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr19	32595100	32596104	+	0	NA	Intergeni	AluSc|SIN	12867	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr2-1214	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	L1P1|LINE	-91800	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr5-1093	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10545	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr7-1521	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	66344	NM_001371474								
chr8-7011	6.904522	-0.37527	0.880845	-0.42604	0.670079	0.981636	chr8	70113116	70113938	+	0	NA	3’ UTR (N	3’ UTR (N	-42275	NM_024504	63978	Hs.736037	NM_024504	ENSG00000	PRDM14	PFM11	PR/SET dc	protein-coding
chr10-427	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr10	42788511	42788917	+	0	NA	intron (N	intron (N	5919	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribc	protein-coding
chr17-803	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr17	80394667	80395813	+	0	NA	3’ UTR (N	3’ UTR (N	-19927	NR_148041	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr2-4714	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr2	47145069	47146337	+	0	NA	intron (N	L2a|LINE|	9605	NM_173649	285051	Hs.531575	NM_173649	ENSG00000	STPG4	C2orf61|C	sperm-tai	protein-coding
chr4-5261	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr4	52610176	52610883	+	0	NA	intron (N	intron (N	46010	NM_001134	64854	Hs.7966	NM_022832	ENSG00000	USP46	-	ubiquitir	protein-coding
chr7-4440	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr7	44403121	44403811	+	0	NA	intron (N	intron (N	-77835	NM_172079	816	Hs.351887	NM_001220	ENSG00000	CAMK2B	CAM2|CAMK	calcium/c	protein-coding
chr9-3712	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr9	37126490	37127900	+	0	NA	intron (N	intron (N	6597	NM_001289	84186	Hs.654700	NM_032226	ENSG00000	ZCCHC7	AIR1|HSPC	zinc fing	protein-coding
chr9-1347	6.863383	-0.37865	0.888918	-0.42597	0.670133	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	MLT1C|LTR	51524	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-1806	9.869903	0.322239	0.756539	0.425939	0.670152	0.981636	chr1	1806220	1806818	+	0	NA	exon (NM_	exon (NM_	-26488	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr19-413	6.91238	-0.37723	0.886851	-0.42536	0.670577	0.981636	chr19	41329672	41332588	+	0	NA	exon (NM_	exon (NM_	20653	NM_001346	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-cc	protein-coding
chr5-3616	6.91238	-0.37723	0.886851	-0.42536	0.670577	0.981636	chr5	36162363	36162672	+	0	NA	intron (N	L2a|LINE|	10406	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr1-1511	11.91311	0.289907	0.68179	0.425215	0.67068	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	4580	NM_024575	79626	Hs.432360	NM_024575	ENSG00000	TNFAIP8L2	TIPE2	TNF alpha	protein-coding
chr22-393	13.32383	-0.27584	0.648853	-0.42513	0.670744	0.981636	chr22	39311570	39319065	+	0	NA	promoter-	promoter-	-10	NR_000027	116937		NR_000027	ENSG00000	SNORD83A	RNU83A|U8	small nuc	snoRNA
chr2-2312	6.742485	0.380087	0.894133	0.42509	0.670771	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L1ME4a|LI	8029	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillc	protein-coding
chr13-496	8.692596	-0.34695	0.816388	-0.42499	0.670848	0.981636	chr13	49687633	49687832	+	0	NA	intron (N	LTR40A1|L	3754	NM_032565	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr18-232	8.692596	-0.34695	0.816388	-0.42499	0.670848	0.981636	chr18	23257665	23258222	+	0	NA	non-codir	non-codir	102118	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr20-283	20.79918	-0.22817	0.536979	-0.42492	0.670895	0.981636	chr20	28387973	28388196	+	0	NA	Intergeni	ALR/Alpha	214581	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1934	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr1	19340704	19341465	+	0	NA	intron (N	intron (N	28758	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-3754	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr1	37543930	37545401	+	0	NA	intron (N	intron (N	9628	NM_024700	79753	Hs.47232	NM_024700	ENSG00000	SNIP1	PML1|PMRE	Smad nucl	protein-coding
chr10-125	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	3375	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-478	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr11	47844703	47846103	+	0	NA	intron (N	AluSq2|SI	2947	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-126	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSz|SIN	25239	NM_003139	6734	Hs.368376	NM_003139	ENSG00000	SRPRA	DP|SRPR|S	SRP recep	protein-coding
chr12-654	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr12	65419170	65420796	+	0	NA	intron (N	intron (N	137328	NR_135033	1.05E+08	Hs.738044	NR_135033	ENSG00000	LOC105369	-	uncharact	ncRNA
chr12-104	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluY|SINE	-14495	NM_001261	7296	Hs.654922	NM_003330	ENSG00000	TXNRD1	GRIM-12|T	thioredox	protein-coding
chr14-673	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr14	67316983	67318533	+	0	NA	intron (N	intron (N	42046	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr19-569	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr19	5699994	5702439	+	0	NA	intron (N	AluJo|SIN	10921	NM_015414	25873	Hs.408018	NM_015414	ENSG00000	RPL36	L36	ribosomal	protein-coding
chr19-194	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr19	19493583	19495373	+	0	NA	intron (N	intron (N	21070	NM_032037	83983	Hs.532711	NM_032037	ENSG00000	TSSK6	CT72|FKSG	testis sp	protein-coding
chr2-9938	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr2	99385031	99385536	+	0	NA	intron (N	AluSp|SIN	47894	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr2-1329	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSc8|SI	72766	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2031	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSq2|SI	-40611	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr3-1255	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	L1MB7|LIN	17254	NM_022776	114885	Hs.477440	NM_022776	ENSG00000	OSBPL11	ORP-11|OF	oxysterol	protein-coding
chr5-7859	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr5	7859466	7860967	+	0	NA	intron (N	intron (N	8815	NM_024091	79072	Hs.653162	NM_024091	ENSG00000	FASTKD3	-	FAST kina	protein-coding
chr5-7236	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr5	72361496	72361954	+	0	NA	3’ UTR (N	3’ UTR (N	41352	NM_001284	79810	Hs.126906	NM_024754	ENSG00000	PTCD2	-	pentatric	protein-coding
chr6-7178	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr6	7178235	7180666	+	0	NA	intron (N	intron (N	71489	NM_001003	6239	Hs.298248	NM_002955	ENSG00000	RREB1	FINB|HNT|	ras respc	protein-coding
chr7-2357	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr7	2357319	2359720	+	0	NA	intron (N	intron (N	3692	NM_001037	8662	Hs.371001	NM_003751	ENSG00000	EIF3B	EIF3-ETA|	eukaryoti	protein-coding
chr9-1348	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	17753	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chrX-1096	6.896664	-0.37338	0.878793	-0.42488	0.670923	0.981636	chrX	1.1E+08	1.1E+08	+	0	NA	intron (N	L2c|LINE|	-33401	NM_012282	23630	Hs.522753	NM_012282	ENSG00000	KCNE5	KCNE1L	potassium	protein-coding
chr1-1801	11.41652	0.296547	0.698048	0.424823	0.670966	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	MIRb|SINE	31078	NM_002826	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr15-732	11.41652	0.296547	0.698048	0.424823	0.670966	0.981636	chr15	73287502	73288459	+	0	NA	intron (N	intron (N	-11930	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr11-108	11.36753	0.296806	0.698706	0.424794	0.670987	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	27475	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serir	protein-coding
chr13-444	11.36753	0.296806	0.698706	0.424794	0.670987	0.981636	chr13	44432851	44434705	+	0	NA	3’ UTR (N	3’ UTR (N	3080	NM_006022	8848	Hs.436383	NM_006022	ENSG00000	TSC22D1	Ptg-2|TGF	TSC22 dom	protein-coding
chr1-6231	10.08482	-0.31391	0.739056	-0.42474	0.671025	0.981636	chr1	6231726	6231950	+	0	NA	intron (N	L1MB7|LIN	4126	NM_012405	23463	Hs.515688	NM_012405	ENSG00000	ICMT	HSTE14|MS	isoprenyl	protein-coding
chr20-328	10.08482	-0.31391	0.739056	-0.42474	0.671025	0.981636	chr20	32826167	32827449	+	0	NA	intron (N	AluSz|SIN	6854	NM_012325	22919	Hs.472437	NM_012325	ENSG00000	MAPRE1	EB1	microtubu	protein-coding
chr9-1542	10.08482	-0.31391	0.739056	-0.42474	0.671025	0.981636	chr9	15425377	15426627	+	0	NA	intron (N	AluSp|SIN	3126	NR_161442	6619	Hs.546299	NM_003084	ENSG00000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr14-347	4.154246	-0.48059	1.13171	-0.42466	0.671083	0.981636	chr14	34752470	34753138	+	0	NA	TTS (NM_1	TTS (NM_1	-37981	NR_028130	1073	Hs.180141	NM_021914	ENSG00000	CFL2	NEM7	cofilin 2	protein-coding
chr15-225	4.154246	-0.48059	1.13171	-0.42466	0.671083	0.981636	chr15	22548158	22548961	+	0	NA	intron (N	L1MB5|LIN	53681	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr2-8857	8.448552	0.370962	0.874062	0.424411	0.671266	0.981636	chr2	88570312	88570672	+	0	NA	intron (N	intron (N	31772	NR_110236	1.02E+08	Hs.738045	NR_110236	ENSG00000	LOC101928	-	uncharact	ncRNA
chr7-1440	8.448552	0.370962	0.874062	0.424411	0.671266	0.981636	chr7	1440028	1440320	+	0	NA	intron (N	intron (N	19296	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr10-701	10.05154	-0.31758	0.748439	-0.42432	0.671333	0.981636	chr10	70167888	70168372	+	0	NA	intron (N	intron (N	2384	NM_001142	56681	Hs.499960	NM_020150	ENSG00000	SAR1A	SAR1|SARA	secretior	protein-coding
chr1-2483	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr1	24839410	24842433	+	0	NA	exon (NM_	exon (NM_	78495	NR_106789	1.02E+08		NR_106789	ENSG00000	MIR6731	hsa-mir-6	microRNA	ncRNA
chr11-883	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr11	88322960	88336298	+	0	NA	intron (N	A-rich|Lo	8107	NM_148170	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsir	protein-coding
chr12-763	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr12	76376948	76377932	+	0	NA	intron (N	L1PA7|LIN	-29025	NM_024685	79738	Hs.96322	NM_024685	ENSG00000	BBS10	C12orf58	Bardet-Bi	protein-coding
chr17-375	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr17	37559801	37561385	+	0	NA	intron (N	AluSx|SIN	48825	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr17-448	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr17	44861313	44864923	+	0	NA	intron (N	intron (N	15235	NR_073504	51751	Hs.151787	NM_016438	ENSG00000	HIGD1B	CLST11240	HIG1 hypc	protein-coding
chr2-3722	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr2	37227217	37228639	+	0	NA	exon (NM_	exon (NM_	3668	NM_005760	10153	Hs.135406	NM_005760	ENSG00000	CEBPZ	CBF|CBF2|	CCAAT enh	protein-coding
chr8-1033	9.64879	-0.3194	0.752855	-0.42425	0.671384	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	14317	NM_030780	81034	Hs.532265	NM_030780	ENSG00000	SLC25A32	MFT|MFTC|	solute ca	protein-coding
chr11-519	6.468489	-0.38842	0.915972	-0.42405	0.671531	0.981636	chr11	51904035	51904982	+	0	NA	Intergeni	ALR/Alpha	1495361	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-522	6.468489	-0.38842	0.915972	-0.42405	0.671531	0.981636	chr20	522282	523022	+	0	NA	intron (N	L1MD3|LIN	21138	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr21-261	6.468489	-0.38842	0.915972	-0.42405	0.671531	0.981636	chr21	26103552	26104221	+	0	NA	intron (N	intron (N	36504	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr9-1114	6.468489	-0.38842	0.915972	-0.42405	0.671531	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA6|LIN	37823	NM_001364	23392	Hs.368255	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 prc	protein-coding
chr18-319	4.187528	-0.47177	1.113521	-0.42367	0.671803	0.981636	chr18	31934645	31935391	+	0	NA	intron (N	intron (N	8110	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr2-2225	4.187528	-0.47177	1.113521	-0.42367	0.671803	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	57596	NR_130154	10056	Hs.471452	NM_005687	ENSG00000	FARSB	FARSLB|FF	phenylala	protein-coding
chr4-1688	4.187528	-0.47177	1.113521	-0.42367	0.671803	0.981636	chr4	16883396	16884171	+	0	NA	intron (N	intron (N	14862	NM_001130	9079	Hs.714330	NM_001290	ENSG00000	LDB2	CLIM1|LDE	LIM domai	protein-coding
chr8-2542	4.187528	-0.47177	1.113521	-0.42367	0.671803	0.981636	chr8	25423922	25424598	+	0	NA	promoter-	promoter-	1	NM_001083	2796	Hs.82963	NM_000825	ENSG00000	GNRH1	GNRH|GRH|	gonadotrc	protein-coding
chr1-2084	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr1	20844180	20845927	+	0	NA	intron (N	L1PA12|LI	-58365	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-1802	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	Intergeni	Intergeni	-12291	NR_037642	1.01E+08	Hs.496545	NR_037642	ENSG00000	LHX4-AS1	-	LHX4 anti	ncRNA
chr11-129	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr11	12916895	12917388	+	0	NA	intron (N	MLT1D|LTR	72407	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-674	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr11	67430849	67432455	+	0	NA	intron (N	(CCAT)n|S	3158	NM_003952	6199	Hs.534345	NM_003952	ENSG00000	RPS6KB2	KLS|P70-b	ribosomal	protein-coding
chr11-778	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr11	77833165	77833638	+	0	NA	intron (N	MER1A|DNA	-7737	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr12-986	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr12	98651826	98652915	+	0	NA	intron (N	L1M5|LINE	7070	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr13-460	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr13	46038300	46039290	+	0	NA	intron (N	AluSx3|SI	13951	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr14-393	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr14	39398733	39399710	+	0	NA	3’ UTR (N	3’ UTR (N	33279	NM_203301	254170	Hs.146632	NM_203301	ENSG00000	FBXO33	BMND12|Fb	F-box prc	protein-coding
chr14-709	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr14	70962156	70962805	+	0	NA	intron (N	(ATT)n|Si	55021	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr15-407	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr15	40750065	40751975	+	0	NA	intron (N	intron (N	4234	NM_018145	55177	Hs.511067	NM_018145	ENSG00000	RMDN3	FAM82A2|F	regulator	protein-coding
chr16-310	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr16	31079356	31081939	+	0	NA	exon (NM_	exon (NM_	6225	NM_014699	9726	Hs.119273	NM_014699	ENSG00000	ZNF646	-	zinc fing	protein-coding
chr16-476	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr16	47696779	47698383	+	0	NA	intron (N	intron (N	-161000	NR_110650	1.02E+08	Hs.589404	NR_110650	ENSG00000	LINC02133	-	long inte	ncRNA
chr17-809	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr17	80912765	80914139	+	0	NA	intron (N	AluJb|SIN	57761	NR_148968	400627	Hs.591201	NR_148968	ENSG00000	LOC400627	-	uncharact	ncRNA
chr19-424	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr19	4249307	4250673	+	0	NA	intron (N	AluSx|SIN	2910	NM_018074	55702	Hs.21811	NM_018074	ENSG00000	YJU2	CCDC94	YJU2 spli	protein-coding
chr2-9582	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr2	95827800	95828199	+	0	NA	Intergeni	L1PA12|LI	-1018	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr21-257	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr21	25722295	25723623	+	0	NA	Intergeni	Intergeni	-12013	NM_001197	2551	Hs.473470	NM_002040	ENSG00000	GABPA	E4TF1-60|	GA bindir	protein-coding
chr3-1264	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	18519	NM_025112	79364	Hs.440049	NM_025112	ENSG00000	ZXDC	ZXDL	ZXD famil	protein-coding
chr4-1222	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	74714	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr6-4950	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr6	495012	496194	+	0	NA	intron (N	L1ME2z|LI	103851	NR_046000	3662	Hs.401013	NM_002460	ENSG00000	IRF4	LSIRF|MUM	interferc	protein-coding
chr7-7556	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr7	75569242	75570003	+	0	NA	intron (N	(AAACA)n|	-41499	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homc	pseudo
chr7-1523	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	L1MC1|LIN	86986	NM_170606	58508	Hs.647120	NM_021230	ENSG00000	KMT2C	HALR|KLEF	lysine me	protein-coding
chr7-1589	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	69773	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SF	WD repeat	protein-coding
chr8-9632	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr8	96320523	96325110	+	0	NA	intron (N	MSTD-int|	60914	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr9-1299	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSz6|SI	56508	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chrX-1184	6.179333	0.391413	0.924589	0.423337	0.672049	0.981636	chrX	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-52410	NM_144658	139818	Hs.368203	NM_144658	ENSG00000	DOCK11	ACG|ZIZ2|	dedicator	protein-coding
chr1-3750	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr1	37503927	37505322	+	0	NA	intron (N	AluSq|SIN	-3630	NR_049844	1.01E+08		NR_049844	ENSG00000	MIR5581	-	microRNA	ncRNA
chr11-239	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr11	2393690	2395584	+	0	NA	intron (N	intron (N	-6113	NM_001297	10078	Hs.523424	NM_005706	ENSG00000	TSSC4	-	tumor sup	protein-coding
chr11-125	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-7034	NM_001301	403312	Hs.450611	NM_203452		LOC403312	-	putative	protein-coding
chr16-744	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr16	74490111	74492199	+	0	NA	exon (NM_	exon (NM_	-69685	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr17-766	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr17	76682496	76683607	+	0	NA	intron (N	intron (N	5612	NM_001363	439921	Hs.250723	NM_198530	ENSG00000	MXRA7	-	matrix re	protein-coding
chr2-1273	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr2	12734014	12735519	+	0	NA	intron (N	intron (N	-2601	NR_036072	1E+08		NR_036072	ENSG00000	MIR3125	mir-3125	microRNA	ncRNA
chr2-2062	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr2	20623358	20624810	+	0	NA	intron (N	intron (N	27014	NM_022460	64342	Hs.531785	NM_022460	ENSG00000	HS1BP3	ETM2|HS1-	HCLS1 bir	protein-coding
chr2-8538	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr2	85386777	85388698	+	0	NA	intron (N	intron (N	22095	NM_001320	822	Hs.516155	NM_001747	ENSG00000	CAPG	AFCP|HEL-	capping a	protein-coding
chr3-7340	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr3	73403212	73404272	+	0	NA	intron (N	intron (N	30253	NM_001303	23024	Hs.660347	NM_015009	ENSG00000	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr6-8971	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr6	89713679	89714516	+	0	NA	intron (N	MIRb|SINE	-75350	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr7-1405	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-46090	NR_117084	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr9-1377	6.220473	0.393119	0.929221	0.423063	0.672249	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	5766	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-4618	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr1	46189255	46190105	+	0	NA	intron (N	intron (N	7819	NM_001290	55624	Hs.525134	NM_017739	ENSG00000	POMGNT1	GNTI.2|Gr	protein (	protein-coding
chr1-1562	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	8172	NM_001199	1.01E+08	Hs.530479	NM_001199	ENSG00000	PMF1-BGLA	PMF-1|PMF	PMF1-BGLA	protein-coding
chr12-101	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-118397	NR_049838	1.01E+08		NR_049838	ENSG00000	MIR548AQ	-	microRNA	ncRNA
chr13-198	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr13	19856124	19856800	+	0	NA	intron (N	AluSp|SIN	7174	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr14-633	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr14	63383765	63385160	+	0	NA	exon (NM_	exon (NM_	-65527	NM_145171	122876	Hs.375028	NM_145171	ENSG00000	GPHB5	B5|GPB5|Z	glycoprot	protein-coding
chr14-101	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	47464	NM_001352	5527	Hs.368264	NM_002719	ENSG00000	PPP2R5C	B56G|B56g	protein p	protein-coding
chr16-360	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr16	3602036	3603389	+	0	NA	intron (N	intron (N	8894	NM_032444	84464	Hs.143681	NM_032444	ENSG00000	SLX4	BTBD12|FA	SLX4 stru	protein-coding
chr17-304	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr17	30465440	30466043	+	0	NA	3’ UTR (N	3’ UTR (N	-11667	NM_004871	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr22-502	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr22	50231961	50233452	+	0	NA	intron (N	intron (N	12317	NM_020461	85378	Hs.336431	NM_020461	ENSG00000	TUBGCP6	GCP-6|GCF	tubulin g	protein-coding
chr7-1298	6.171475	0.393853	0.931175	0.422964	0.672322	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	67524	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitir	protein-coding
chr11-112	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	Intergeni	L2a|LINE|	13492	NM_000317	5805	Hs.503860	NM_000317	ENSG00000	PTS	PTPS	6-pyruvoy	protein-coding
chr2-4654	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr2	46547268	46547665	+	0	NA	intron (N	intron (N	-4889	NM_001318	90423	Hs.437691	NM_080653	ENSG00000	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr2-8608	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr2	86080874	86081303	+	0	NA	intron (N	intron (N	24798	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-2034	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	TTS (NM_2	TTS (NM_2	66361	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr20-391	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr20	3918901	3919532	+	0	NA	intron (N	intron (N	-1653	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr5-3729	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr5	37291909	37293768	+	0	NA	intron (N	intron (N	-43410	NM_023073	65250	Hs.586199	NM_023073	ENSG00000	CPLANE1	C5orf42|H	ciliogene	protein-coding
chr6-1762	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr6	17621663	17623437	+	0	NA	intron (N	intron (N	22248	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr6-4303	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr6	43031772	43032444	+	0	NA	Intergeni	AluJr|SIN	10485	NM_033112	88745	Hs.309231	NM_033112	ENSG00000	RRP36	C6orf153|	ribosomal	protein-coding

chr7-7417	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr7	74178956	74180136	+	0	NA	intron (N	AluSx1|SI	5190	NM_031992	7458	Hs.52094	NM_02217	ENSG0000	EIF4H	WBSCR1|WS	eukaryoti	protein-coding
chr9-2036	6.419492	-0.38991	0.92217	-0.42281	0.672432	0.981636	chr9	20360882	20361195	+	0	NA	intron (N	MIR|SINE|	50200	NR_039684	1.01E+08		NR_039684	ENSG0000	MIR4473	-	microRNA	ncRNA
chr15-304	10.12596	-0.31172	0.737673	-0.42258	0.672605	0.981636	chr15	30479693	30482323	+	0	NA	intron (N	intron (N	7025	NR_03665	1E+08	Hs.56262	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr3-3729	10.12596	-0.31172	0.737673	-0.42258	0.672605	0.981636	chr3	37298771	37300369	+	0	NA	intron (N	intron (N	-55375	NR_149029	152048	Hs.59617	NM_152532	ENSG0000	LOC152048	-	uncharact	ncRNA
chr20-294	13.36497	-0.27421	0.649006	-0.42251	0.672651	0.981636	chr20	29485095	29485504	+	0	NA	intron (N	L1ME4b|LI	12035	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr11-672	11.92097	0.288628	0.683154	0.422494	0.672665	0.981636	chr11	67252925	67255851	+	0	NA	exon (NM_	exon (NM_	-12085	NM_001619	156	Hs.83636	NM_001619	ENSG0000	GRK2	ADRBK1|BA	G protei	protein-coding
chr11-185	10.3272	0.320908	0.759621	0.422458	0.672691	0.981636	chr11	18505813	18506064	+	0	NA	intron (N	AluSx|SIN	21004	NM_006292	7251	Hs.52351	NM_006292	ENSG0000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr19-353	6.830101	-0.38433	0.909848	-0.42242	0.672721	0.981636	chr19	3535310	3536020	+	0	NA	3’ UTR (N	3’ UTR (N	-3492	NM_001135	1E+08	Hs.66497	NM_001135	ENSG0000	C19orf71	-	chromosom	protein-coding
chr12-198	9.607651	-0.32165	0.761585	-0.42234	0.672777	0.981636	chr12	1985198	1987906	+	0	NA	intron (N	intron (N	17905	NM_001319	196513	Hs.13093	NM_15264	ENSG0000	DCP1B	DCP1	decapping	protein-coding
chr6-1309	9.607651	-0.32165	0.761585	-0.42234	0.672777	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	15487	NM_00135	2037	Hs.48647	NM_001431	ENSG0000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr15-637	11.38324	0.29413	0.69668	0.422189	0.672887	0.981636	chr15	63744364	63749045	+	0	NA	intron (N	L2c|LINE|	87244	NM_003922	8925	Hs.21038	NM_003922	ENSG0000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr14-690	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr14	69053284	69055009	+	0	NA	exon (NM_	exon (NM_	74464	NR_073422	161159	Hs.603341	NR_073422	ENSG0000	ACTN1-AS1	C14orf84	ACTN1 ant	ncRNA
chr14-100	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr14	1E+08	1E+08	+	0	NA	intron (N	intron (N	19485	NM_004184	7453	Hs.49759	NM_004184	ENSG0000	WARS	GAMMA-2|	tryptopha	protein-coding
chr15-828	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr15	82833183	82837605	+	0	NA	3’ UTR (N	3’ UTR (N	25766	NM_00108	123720	Hs.37736	NM_00108	ENSG0000	WHAMM	WHAMM1|WH	WASP homo	protein-coding
chr17-352	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr17	35258299	35259008	+	0	NA	5’ UTR (N	5’ UTR (N	15581	NM_144975	162394	Hs.58579	NM_144975	ENSG0000	SLFN5	-	schlafen	protein-coding
chr2-3023	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr2	30232742	30252584	+	0	NA	intron (N	L1ME4a|LI	11129	NM_030915	81606	Hs.56759	NM_030915	ENSG0000	LBH	-	LBH regul	protein-coding
chr7-7518	10.1181	-0.31039	0.73524	-0.42216	0.672907	0.981636	chr7	75188595	75190022	+	0	NA	intron (N	intron (N	-17310	NR_003187	654817	Hs.647047	NR_003187	ENSG0000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr1-1105	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr1	11057817	11058258	+	0	NA	intron (N	AluSx|SIN	1981	NM_003132	6723	Hs.76244	NM_003132	ENSG0000	SRM	PAPT|SPDS	spermidi	protein-coding
chr1-2332	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr1	23325317	23325894	+	0	NA	intron (N	intron (N	18679	NM_001102	10236	Hs.37376	NM_005826	ENSG0000	HNRNPR	HNRPR|hnR	heteroger	protein-coding
chr14-886	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr14	88604473	88604971	+	0	NA	intron (N	AluSz|SIN	10302	NM_207662	79882	Hs.68404	NM_024824	ENSG0000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr17-399	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr17	39997036	39997624	+	0	NA	exon (NM_	exon (NM_	16523	NM_002809	5709	Hs.12970	NM_002809	ENSG0000	PSMD3	P58|RPN3|	proteasom	protein-coding
chr22-205	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr22	20562092	20563684	+	0	NA	intron (N	AluJb|SIN	54841	NM_001293	51586	Hs.517421	NM_015889	ENSG0000	MED15	ARC105|CA	mediator	protein-coding
chr4-1052	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	88843	NM_001127	54790	Hs.36763	NM_017628	ENSG0000	TET2	KIAA1546|	tet methy	protein-coding
chr4-1682	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	63233	NM_017631	55601	Hs.59171	NM_017631	ENSG0000	DDX60	-	DExD/H-bo	protein-coding
chr5-1467	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr5	14679192	14679391	+	0	NA	intron (N	intron (N	14573	NM_138348	90268	Hs.40633	NM_138348	ENSG0000	OTULIN	AIPDS|FAM	OTU deubi	protein-coding
chr7-8787	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr7	87871169	87871761	+	0	NA	intron (N	MLT1F2|LT	4895	NM_018843	55972	Hs.208414	NM_018843	ENSG0000	SLC25A40	MCFP	solute ca	protein-coding
chr8-7670	6.460632	-0.38641	0.915872	-0.4219	0.673097	0.981636	chr8	76707798	76708602	+	0	NA	intron (N	intron (N	-24925	NR_02436	1E+08	Hs.59642	NR_02436	ENSG0000	ZFHX4-AS1	-	ZFHX4 ant	ncRNA
chr10-577	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr10	5771816	5773076	+	0	NA	intron (N	intron (N	40988	NM_001494	2665	Hs.29905	NM_001494	ENSG0000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr10-965	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr10	96539644	96540533	+	0	NA	intron (N	L3|LINE|C	-26162	NM_012465	7093	Hs.15429	NM_012465	ENSG0000	TLL2	-	tolloid l	protein-coding
chr12-625	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr12	62510615	62510814	+	0	NA	intron (N	L1MB2|LIN	43888	NM_015026	23041	Hs.38937	NM_015026	ENSG0000	MON2	-	MON2 homo	protein-coding
chr14-100	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-310	NR_00321	767595		NR_00321	ENSG0000	SNORD114-	14q(II-17	small nuc	snoRNA
chr16-118	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr16	11893879	11895483	+	0	NA	intron (N	AluJr|SIN	21275	NM_002094	2935	Hs.52878	NM_002094	ENSG0000	GSPT1	551G9.2|E	G1 to S p	protein-coding
chr17-767	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr17	76712960	76714552	+	0	NA	3’ UTR (N	3’ UTR (N	-2791	NM_001008	439921	Hs.25072	NM_19853	ENSG0000	MXRA7	-	matrix re	protein-coding
chr18-510	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr18	51058596	51059372	+	0	NA	intron (N	intron (N	28771	NM_005359	4089	Hs.75862	NM_005359	ENSG0000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr2-1118	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr2	11188647	11190039	+	0	NA	intron (N	intron (N	33876	NM_001282	130814	Hs.27441	NM_152391	ENSG0000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-8760	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr2	87609597	87612152	+	0	NA	Intergeni	Intergeni	-18881	NR_039634	1.01E+08		NR_039634	ENSG0000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr22-287	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr22	28751896	28753558	+	0	NA	intron (N	AluY|SINE	10046	NM_001318	150274	Hs.63278	NM_172002	ENSG0000	HSCB	DNAJC20|H	HscB mitc	protein-coding
chr3-2561	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr3	25613567	25616161	+	0	NA	intron (N	intron (N	49508	NM_001068	7155	Hs.47573	NM_001068	ENSG0000	TOP2B	TOPIIB|to	DNA topoi	protein-coding
chr3-1723	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	90403	NM_004122	2693	Hs.13021	NM_004122	ENSG0000	GHSR	GHDP	growth ho	protein-coding
chr3-1794	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	AluJo|SIN	39169	NM_021629	59345	Hs.17303	NM_021629	ENSG0000	GNB4	CMTD1F	G protei	protein-coding
chr4-8479	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr4	84794326	84795197	+	0	NA	intron (N	intron (N	-170855	NR_152774	404201	Hs.46730	NM_205857	ENSG0000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr5-3235	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr5	32356153	32358679	+	0	NA	intron (N	AluSx|SIN	37059	NR_030305	693164		NR_030305	ENSG0000	MIR579	MIRN579|M	microRNA	ncRNA
chr5-1402	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSx1|SI	24919	NM_002622	5201	Hs.48356	NM_002622	ENSG0000	PFDN1	PDF|PFD1	prefoldin	protein-coding
chr6-3224	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr6	3224970	3225787	+	0	NA	exon (NM_	exon (NM_	2275	NM_178012	347733	Hs.300701	NM_178012	ENSG0000	TUBB2B	CDCBM7|PM	tubulin b	protein-coding
chr6-1459	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	L1ME3E|LI	44133	NM_173082	257218	Hs.723297	NM_173082	ENSG0000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-4483	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr7	44832425	44836671	+	0	NA	exon (NM_	exon (NM_	13578	NM_201436	94239	Hs.48818	NM_012412	ENSG0000	H2AFV	H2A.Z-2|H	H2A histo	protein-coding
chr7-8739	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr7	87392925	87394892	+	0	NA	intron (N	Tigger2|D	48244	NM_001143	54677	Hs.12503	NM_021151	ENSG0000	CROT	COT	carnitine	protein-coding
chr9-3624	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr9	36243087	36244447	+	0	NA	intron (N	AluJr|SIN	14681	NM_00119	10020	Hs.5920	NM_005476	ENSG0000	GNE	DMRV|GLCN	glucosami	protein-coding
chr9-1281	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	FLAM_C|SI	3020	NM_001131	25792	Hs.21239	NM_012127	ENSG0000	CIZ1	LSFR1|NP9	CDKN1A in	protein-coding
chrX-7399	6.888806	-0.37152	0.880599	-0.4219	0.673101	0.981636	chrX	73994053	73996547	+	0	NA	intron (N	L1M4b|LIN	50976	NR_024582	554203	Hs.64831	NR_024582	ENSG0000	JPX	DCBALD06|	JPX trans	ncRNA
chr17-512	10.07697	-0.31261	0.741098	-0.42182	0.673158	0.981636	chr17	51280050	51281017	+	0	NA	intron (N	AluSz|SIN	19987	NM_016001	51096	Hs.709327	NM_016001	ENSG0000	UTP18	CGI-48|WD	UTP18 sma	protein-coding
chr10-804	5.186157	0.440167	1.043639	0.421762	0.673199	0.981636	chr10	80490070	80491100	+	0	NA	intron (N	L2b|LINE|	22322	NM_001351	81619	Hs.30861	NM_030927	ENSG0000	TSPAN14	DC-TM4F2|	tetraspan	protein-coding
chr19-218	12.41756	0.282588	0.670079	0.421723	0.673227	0.981636	chr19	21807070	21819881	+	0	NA	intron (N	L1MB2|LIN	22707	NM_001256	7594	Hs.53436	NM_003423	ENSG0000	ZNF43	HTF6|KOX2	zinc fing	protein-coding
chr16-234	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr16	23402813	23403934	+	0	NA	intron (N	intron (N	49816	NM_153603	91949	Hs.185807	NM_153603	ENSG0000	COG7	CDG2E	component	protein-coding
chr16-671	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr16	67147142	67147930	+	0	NA	TTS (NM_	TTS (NM_	3462	NM_033309	84752	Hs.74415	NM_033309	ENSG0000	B3GNT9	-	UDP-GlcNA	protein-coding
chr17-402	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr17	40266073	40267520	+	0	NA	intron (N	L2a|LINE|	-21083	NM_001254	990	Hs.40595	NM_001254	ENSG0000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr2-1012	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	6770	NM_017546	55571	Hs.74408	NM_017546	ENSG0000	CNOT11	C2orf29|C	CCR4-NOT	protein-coding
chr4-1280	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-36250	NM_018078	55132	Hs.654971	NM_018078	ENSG0000	LARP1B	LARP2	La ribonu	protein-coding
chr9-1003	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr9	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	6498	NM_001161	54881	Hs.49464	NM_017746	ENSG0000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr9-1131	6.709203	0.376148	0.892262	0.421567	0.673341	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	MER21C|LT	8603	NM_00186	1318	Hs.24030	NM_00186	ENSG0000	SLC31A2	COPT2|CTR	solute ca	protein-coding
chr17-301	6.855525	-0.37683	0.894741	-0.42116	0.673635	0.981636	chr17	30173905	30174972	+	0	NA	intron (N	intron (N	-57278	NR_036149	1E+08		NR_036149	ENSG0000	MIR3184	-	microRNA	ncRNA
chr2-3886	6.855525	-0.37683	0.894741	-0.42116	0.673635	0.981636	chr2	38867671	38868039	+	0	NA	intron (N	AluSx1|SI	8079	NM_198963	90957	Hs.46822	NM_198963	ENSG0000	DHX57	DDX57	DExH-box	protein-coding
chr17-312	11.87983	0.287577	0.682965	0.421071	0.673703	0.981636	chr17	31232139	31233525	+	0	NA	exon (NM_	exon (NM_	64407	NM_002544	4974	Hs.11387	NM_002544	ENSG0000	OMG	OMGP	oligodend	protein-coding
chr9-6065	11.87983	0.287577	0.682965	0.421071	0.673703	0.981636	chr9	60652976	60653796	+	0	NA	Intergeni	ALR/Alpha	-261021	NM_001113	727905	Hs.645497	NM_001113	ENSG0000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr1-4359	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr1	43590136	43591560	+	0	NA	intron (N	intron (N	-59301	NM_014663	9682	Hs.15598	NM_014663	ENSG0000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-6485	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr1	64858105	64860229	+	0	NA	intron (N	L3|LINE|C	107382	NM_001321	3716	Hs.20753	NM_002227	ENSG0000	JAK1	JAK1A|JAK	Janus kin	protein-coding
chr1-2064	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-27140	NM_014002	9641	Hs.32104	NM_014002	ENSG0000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr10-103	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	46004	NM_001365	9644	Hs.678727	NM_014631	ENSG0000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr11-183	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr11	18303543	18304551	+	0	NA	intron (N	L2a|LINE|	18093	NM_007216	11234	Hs.43759	NM_007216	ENSG0000	HPS5	AIBP63|BL	HPS5 biog	protein-coding
chr11-117	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	39576	NM_014956	22897	Hs.50400	NM_014956	ENSG0000	CEP164	NPHP15	centrosom	protein-coding
chr12-437	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr12	43778843	43782992	+	0	NA	intron (N	L2c|LINE|	21973	NM_001145	51135	Hs.13849	NM_016123	ENSG0000	IRAK4	IPD1|IRAK	interleuk	protein-coding
chr14-601	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr14	60109580	60110363	+	0	NA	intron (N	MLT1A-int	18048	NM_00133	64430	Hs.50949	NM_022495	ENSG0000	PCNX4	C14orf135	pecanex 4	protein-coding
chr15-657	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr15	65734145	65737896	+	0	NA	intron (N	Charlie1a	-16688	NR_039736	1.01E+08		NR_039736	ENSG0000	MIR4511	mir-4511	microRNA	ncRNA
chr15-737	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr15	73702945	73703736	+	0	NA	intron (N	intron (N	18570	NM_001329	80381	Hs.74491	NM_02524	ENSG0000	CD276	4Ig-B7-H3	CD276 mol	protein-coding
chr15-781	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr15	78160202	78163170	+	0	NA	exon (NM_	exon (NM_	12324	NM_00553	3419	Hs.59111	NM_00553	ENSG0000	IDH3A	-	isocitrat	protein-coding
chr16-165	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr16	1659612	1661944	+	0	NA	intron (N	AluSx|SIN	-17501	NM_14457	90861	Hs.513261	NM_14457	ENSG0000	JPT2	C16orf34|	Jupiter m	protein-coding
chr17-786	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr17	78675377	78676035	+	0	NA	3’ UTR (N	3’ UTR (N	41326	NM_001292	9267	Hs.19121	NM_004762	ENSG0000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr17-812	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr17	81275386	81276989	+	0	NA	intron (N	intron (N	19120	NM_001037	124565	Hs.35224	NM_13857	ENSG0000	SLC38A10	PP1744	solute ca	protein-coding
chr19-164	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr19	16426200	16427904	+	0	NA	intron (N	intron (N	44918	NM_001258	58513	Hs.65463	NM_021235	ENSG0000	EPS15L1	EPS15R	epidermal	protein-coding
chr19-189	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr19	18912018	18913869	+	0	NA	intron (N	intron (N	6444	NM_199444	11316	Hs.10326	NM_007263	ENSG0000	COPE	epsilon-C	coatomer	protein-coding
chr19-326	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr19	32698652	32699935	+	0	NA	intron (N	HERV9N-in	7332	NM_001105	390916	Hs.203961	NM_001105	ENSG0000	NUDT19	RP2	nudix hyd	protein-coding
chr19-437	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr19	43737818	43739832	+	0	NA	intron (N	intron (N	16137	NM_019108	56006	Hs.46687	NM_019108	ENSG0000	SMG9	C19orf61|	SMG9 nons	protein-coding
chr2-4265	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr2	42655209	42656939	+	0	NA	intron (N	intron (N	87442	NM_00133	57504	Hs.43541	NM_020744	ENSG0000	MTA3	-	metastasi	protein-coding
chr2-1136	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	MER5B|DNA	6151	NM_001354	11159	Hs.44642	NM_007082	ENSG0000	RABL2A	-	RAB, memb	protein-coding
chr2-1328	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-60014	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG0000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-2182	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	3754	NM_001302	14	Hs.83347	NM_001087	ENSG0000	AAMP	-	angio ass	protein-coding
chr3-3166	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	3166510	3167660	+	0	NA	intron (N	intron (N	12632	NM_016302	51185	Hs.18925	NM_016302	ENSG0000	CRBN	MRT2|MRT2	cereblon	protein-coding
chr3-4749	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	47497923	47501118	+	0	NA	intron (N	AluSx|SIN	13825	NM_001363	54859	Hs.31110	NM_017713	ENSG0000	ELP6	C3orf75|T	elongator	protein-coding
chr3-4758	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	47589352	47590446	+	0	NA	intron (N	intron (N	-9659	NM_001206	10675	Hs.45127	NM_006574	ENSG0000	CSPG5	NGC	chondroit	protein-coding
chr3-4910	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	49108642	49110578	+	0	NA	intron (N	intron (N	-4853	NM_001272	5859	Hs.79322	NM_005051	ENSG0000	QARS	GLNRS|MSC	glutaminy	protein-coding
chr3-1230	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	25210	NR_028444	10954	Hs.47735	NM_00681	ENSG0000	PDIA5	PDIR	protein d	protein-coding
chr3-1721	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	79508	NM_001135	64778	Hs.74488	NM_022763	ENSG0000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr6-3185	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr6	31857663	31859942	+	0	NA	3’ UTR (N	3’ UTR (N	4019	NM_000434	4758	Hs.520037	NM_000434	ENSG0000	NEU1	NANH|NEU|	neuramini	protein-coding
chr6-4177	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr6	41770295	41771063	+	0	NA	exon (NM_	exon (NM_	9221	NM_006653	10817	Hs.19420	NM_006653	ENSG0000	FRS3	FRS2-beta	fibroblas	protein-coding
chr6-1121	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-44294	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr7-2584	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr7	2584319	2586598	+	0	NA	intron (N	Tigger17a	26479	NM_152558	23288	Hs.520627	NM_152558	ENSG0000	IQCE	1700028PC	IQ motif	protein-coding
chr7-9627	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr7	96274520	96276027	+	0	NA	intron (N	L1PA4|LIN	46825	NR_027662	10165	Hs.48919	NM_014251	ENSG0000	SLC25A13	ARALAR2|C	solute ca	protein-coding
chr8-2728	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr8	27285983	27288766	+	0	NA	3’ UTR (N	3’ UTR (N	23898	NM_171982	23087	Hs.10422	NM_171982	ENSG0000	TRIM35	HLS5|MAIR	tripartit	protein-coding
chr9-3411	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr9	34114587	34115451	+	0	NA	intron (N	intron (N	11679	NM_015397	25853	Hs.49375	NM_015397	ENSG0000	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr9-9875	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr9	98752632	98755127	+	0	NA	intron (N	MER63C|DN	42676	NM_173551	203286	Hs.40689	NM_173551	ENSG0000	ANKS6	ANKRD14|N	ankyrin r	protein-coding
chr9-1283	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	6460	NM_001329	26995	Hs.63268	NM_015679	ENSG0000	TRUB2	CLONE2492	TruB pseu	protein-coding
chr9-1377	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	TTS (NM_	TTS (NM_	-6740	NR_147508	651337	Hs.60319	NR_147508	ENSG0000	LOC651337	-	uncharact	ncRNA
chrX-5364	6.187191	0.388969	0.92465	0.420666	0.673999	0.981636	chrX	53642240	53643329	+	0	NA	intron (N	L1M5|LINE	43935	NM_031407	10075	Hs.13690	NM_031407	ENSG0000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr10-313	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr10	31387142	31391178	+	0	NA	intron (N	intron (N	10595	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-780	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr10	78034477	78042180	+	0	NA	intron (N	intron (N	4465	NM_001142	6229	Hs.28013	NM_001026	ENSG0000	RPS24	DBA3|S24|	ribosomal	protein-coding
chr12-108	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	22106	NR_039717	1.01E+08		NR_039717	ENSG0000	MIR4496	-	microRNA	ncRNA
chr13-332	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr13	33239787	33241012	+	0	NA	intron (N	L1MB2|LIN	-34349	NM_001243	90627	Hs.156551	NM_052851	ENSG0000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr14-527	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr14	52711165	52717646	+	0	NA	intron (N	intron (N	7205	NR_158967	5706	Hs.156171	NM_002806	ENSG0000	PSMC6	SUG2|p42	proteasom	protein-coding
chr15-721	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr15	72198727	72219966	+	0	NA	intron (N	AluSx1|SI	-11559	NM_001012	196996	Hs.59633	NM_001012	ENSG0000	GRAMD2A	GRAMD2	GRAM doma	protein-coding
chr2-1559	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr2	15595683	15599047	+	0	NA	intron (N	intron (N	5497	NM_004939	1653	Hs.44059	NM_004939	ENSG0000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-1357	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSq|SIN	-28977	NR_163478	1.08E+08	Hs.59124	NM_001365239		LOC107985	-	uncharact	ncRNA
chr4-7314	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr4	73141481	73142544	+	0	NA	intron (N	intron (N	-72253	NM_00130	285521	Hs.356697	NM_173827	ENSG0000	COX18	COX18HS	cytochrom	protein-coding
chr5-3887	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr5	38875621	38880669	+	0	NA	intron (N	intron (N	32133	NM_001323	9180	Hs.12065	NM_003999	ENSG0000	OSMR	IL-31R-be	oncostati	protein-coding
chr7-1006	10.11025	-0.30908	0.735039	-0.42049	0.674128	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJo|SIN	3385	NM_005273	2783	Hs.18517	NM_005273	ENSG0000	GNB2	-	G protei	protein-coding
chr10-110	9.640932	-0.31798	0.756259	-0.42047	0.674142	0.981636	chr10	1107806	1108034	+	0	NA	intron (N	intron (N	-51216	NR_13430	3422	Hs.28365	NM_004508	ENSG0000	IDI1	IPP1|IPPI	isopenten	protein-coding
chr11-764	9.640932	-0.31798	0.756259	-0.42047	0.674142	0.981636	chr11	76473103	76473426	+	0	NA	intron (N	intron (N	28239	NM_020193	56946	Hs.35258	NM_020193	ENSG0000	EMSY	C11orf30|	EMSY tra	protein-coding
chr5-5692	9.640932	-0.31798	0.756259	-0.42047	0.674142	0.981636	chr5	56927449	56928367	+	0	NA	non-codi	non-codi	17846	NM_001323	133383	Hs.85950	NM_15370	ENSG0000	SETD9	C5orf35	SET domai	protein-coding
chr10-428	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr10	42830950	42832004	+	0	NA	3’ UTR (N	3’ UTR (N	-40044	NR_134479	1.02E+08	Hs.37640	NR_134479	ENSG0000	LINC02623	-	long inte	ncRNA
chr11-659	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr11	65977641	65978721	+	0	NA	intron (N	intron (N	16447	NM_005146	9092	Hs.50288	NM_005146	ENSG0000	SART1	Ara1|HAF|	spliceoso	protein-coding
chr11-778	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr11	77869410	77872355	+	0	NA	intron (N	L1ME3G|LI	29744	NM_001363	28971	Hs.74504	NM_024684	ENSG0000	AAMDC	C11orf67|	adipogene	protein-coding
chr12-535	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr12	53518433	53521404	+	0	NA	intron (N	AluSc8|SI	5934	NR_046221	1.01E+08	Hs.63360	NR_046221	ENSG0000	LOC100652	-	uncharact	ncRNA
chr14-775	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr14	77520615	77521277	+	0	NA	intron (N	L2a|LINE|	-22130	NM_199296	145501	Hs.29742	NM_182509	ENSG0000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr16-373	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr16	373559	374500	+	0	NA	exon (NM_	exon (NM_	-3491	NM_006428	10573	Hs.51323	NM_006428	ENSG0000	MRPL28	MAAT1|p15	mitochond	protein-coding

chr17-296	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr17	29674606	29676479	+	0	NA	intron (N	AluJr|SIN	-54119	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr19-374	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr19	37456613	37461023	+	0	NA	intron (N	L1MCa|LIN	8626	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr2-7375	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr2	73751476	73752871	+	0	NA	Intergeni	PABL_B-in	-14767	NM_001330	51002	Hs.157401	NM_016058	ENSG00000	TPRKB	CGI-121|C	TP53RK bi	protein-coding
chr2-2304	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1MA8|LIN	40486	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr21-336	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr21	33616150	33618074	+	0	NA	intron (N	AluSz|SIN	24629	NM_145858	9946	Hs.352671	NM_145311	ENSG00000	CRYZL1	4P11|QOH-	crystalli	protein-coding
chr22-238	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr22	23820244	23820964	+	0	NA	intron (N	L1MB3|LIN	18402	NM_001135	91319	Hs.593679	NM_198440	ENSG00000	DERL3	C22orf14|	derlin 3	protein-coding
chr22-265	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr22	26524771	26526214	+	0	NA	3’ UTR (N	3’ UTR (N	12960	NR_144529	1.01E+08	Hs.405877	NR_144529		LOC100507	-	uncharact	ncRNA
chr22-405	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr22	40551017	40552285	+	0	NA	intron (N	AluSx|SIN	-17824	NM_001318	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr3-9680	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr3	9680364	9681042	+	0	NA	intron (N	AluY|SINE	-23130	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr4-2257	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr4	2257239	2258174	+	0	NA	intron (N	intron (N	4403	NM_006454	10608	Hs.655020	NM_006454	ENSG00000	MXD4	MAD4|MST1	MAX dimer	protein-coding
chr6-3127	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr6	3127845	3130221	+	0	NA	intron (N	intron (N	10322	NM_004332	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr6-4293	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr6	42934536	42936173	+	0	NA	intron (N	intron (N	5874	NM_006586	10695	Hs.414099	NM_006586	ENSG00000	CNPY3	CAG4A|EIF	canopy FG	protein-coding
chr7-2207	6.717061	0.373869	0.889409	0.420357	0.674225	0.981636	chr7	2207396	2207861	+	0	NA	intron (N	MER21B|LT	25317	NM_001304	8379	Hs.654838	NM_003550	ENSG00000	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr10-920	6.701345	0.378524	0.900842	0.42019	0.674347	0.981636	chr10	92013870	92014398	+	0	NA	intron (N	intron (N	90364	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr17-667	6.701345	0.378524	0.900842	0.42019	0.674347	0.981636	chr17	66741946	66743051	+	0	NA	intron (N	intron (N	-44574	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr2-2067	6.701345	0.378524	0.900842	0.42019	0.674347	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	1719	NM_001136	22868	Hs.5930	NM_014929	ENSG00000	FASTKD2	KIAA0971	FAST kina	protein-coding
chr5-1507	6.701345	0.378524	0.900842	0.42019	0.674347	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	L1ME1|LIN	9277	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr1-1546	12.42541	0.281357	0.670303	0.419747	0.674671	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	4854	NM_001193	103	Hs.12341	NM_001111	ENSG00000	ADAR	ADAR1|AGS	adenosine	protein-coding
chr19-271	11.42438	0.295174	0.703255	0.419726	0.674686	0.981636	chr19	27134786	27136295	+	0	NA	Intergeni	ALR/Alpha	-657891	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-2013	6.163617	0.396364	0.944845	0.419501	0.67485	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1M1|LINE	16424	NR_110620	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr7-1587	6.163617	0.396364	0.944845	0.419501	0.67485	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MB3|LIN	37835	NM_020728	57488	Hs.490795	NM_020728	ENSG00000	ESYT2	CHR2SYT|E	extended	protein-coding
chr13-984	5.649464	0.409321	0.975842	0.419454	0.674884	0.981636	chr13	98438378	98439426	+	0	NA	intron (N	intron (N	83223	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-443	5.649464	0.409321	0.975842	0.419454	0.674884	0.981636	chr15	44390805	44391148	+	0	NA	intron (N	MLT1A1|LT	-36653	NM_016396	51496	Hs.497967	NM_016396	ENSG00000	CTDSPL2	HSPC058|H	CTD small	protein-coding
chr19-368	5.649464	0.409321	0.975842	0.419454	0.674884	0.981636	chr19	36808646	36809163	+	0	NA	intron (N	MER94B|DN	11341	NR_040028	284408	Hs.570010	NR_040027	ENSG00000	ZNF790-AS	-	ZNF790 ar	ncRNA
chr1-1846	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr1	1846357	1847140	+	0	NA	intron (N	AluJr4|SI	44339	NM_002074	2782	Hs.430425	NM_002074	ENSG00000	GNB1	MRD42	G protein	protein-coding
chr17-826	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr17	82609041	82610801	+	0	NA	Intergeni	L1M4|LINE	38523	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr2-2027	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr2	20277307	20278031	+	0	NA	intron (N	intron (N	49717	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio R	protein-coding
chr2-1902	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	L1ME3A|LI	54611	NM_001042	84281	Hs.389311	NM_032321	ENSG00000	C2orf88	smAKAP	chromosom	protein-coding
chr3-3698	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr3	36988778	36989751	+	0	NA	3’ UTR (N	3’ UTR (N	3867	NM_014805	9852	Hs.28020	NM_014805	ENSG00000	EPM2AIP1	-	EPM2A int	protein-coding
chr3-4815	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr3	48159405	48160220	+	0	NA	intron (N	L2a|LINE|	28605	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr4-1851	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	AluSc|SIN	15810	NM_001292	57587	Hs.535734	NM_020827	ENSG00000	CFAP97	KIAA1430|	cilia and	protein-coding
chr5-4316	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr5	43169565	43171168	+	0	NA	intron (N	intron (N	-21859	NM_153361	167359	Hs.25845	NM_153361	ENSG00000	NIM1K	NIM1	NIM1 seri	protein-coding
chr5-8112	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr5	81129803	81130583	+	0	NA	intron (N	intron (N	-103127	NM_001825	1160	Hs.80691	NM_001825	ENSG00000	CKMT2	SMTCK	creatine	protein-coding
chr5-1128	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	28505	NM_003135	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr6-3541	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr6	35410499	35410999	+	0	NA	intron (N	intron (N	-41612	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr7-3251	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr7	32510226	32511930	+	0	NA	intron (N	intron (N	15589	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-5601	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr7	56011918	56013376	+	0	NA	intron (N	AluSx|SIN	38797	NM_001370	5723	Hs.512656	NM_004577	ENSG00000	PSPH	PSP|PSPHD	phosphose	protein-coding
chr8-1230	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	MER21B|LT	9803	NM_001363	93594	Hs.492716	NM_145647	ENSG00000	TBC1D31	Gm85|WDR6	TBC1 doma	protein-coding
chr9-9207	4.17967	-0.46881	1.117666	-0.41945	0.674885	0.981636	chr9	92071151	92072356	+	0	NA	intron (N	LTR7C|LTR	43660	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr11-106	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	Intergeni	MER11B|LT	18872	NM_032424	84437	Hs.266782	NM_032424	ENSG00000	MSANTD4	KIAA1826	Myb/SANT	protein-coding
chr12-112	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	73456	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr13-770	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr13	77050952	77052190	+	0	NA	intron (N	intron (N	-23943	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr14-350	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr14	35093028	35094371	+	0	NA	intron (N	AluY|SINE	12618	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-911	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr14	91124326	91125666	+	0	NA	intron (N	LTR10C|LT	-1430	NR_003709	1E+08	Hs.693444	NR_003709	ENSG00000	SNORA11B	-	small nuc	snoRNA
chr16-577	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr16	57764952	57767099	+	0	NA	intron (N	intron (N	6327	NR_106830	1.02E+08		NR_106830	ENSG00000	MIR6772	hsa-mir-6	microRNA	ncRNA
chr19-406	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr19	40628576	40631458	+	0	NA	TTS (NM_C	TTS (NM_C	28648	NM_001042	8425	Hs.466766	NM_003573	ENSG00000	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr4-7135	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr4	71356338	71359244	+	0	NA	intron (N	intron (N	18738	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr5-1384	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2617	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr6-1366	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	21708	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr9-9428	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr9	94280028	94280978	+	0	NA	intron (N	intron (N	-21192	NR_160773	158257	Hs.652626	NR_046163	ENSG00000	LINC02603	MIRLET7DH	long inte	ncRNA
chr9-1101	6.929946	-0.36828	0.878355	-0.41928	0.67501	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	31174	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr10-136	5.690603	0.411046	0.980407	0.41926	0.675026	0.981636	chr10	13691699	13692564	+	0	NA	intron (N	Arthur1C|	15436	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr19-450	5.690603	0.411046	0.980407	0.41926	0.675026	0.981636	chr19	4500878	4502938	+	0	NA	TTS (NM_C	TTS (NM_C	16578	NM_001367	729359	Hs.591387	NM_001080	ENSG00000	PLIN4	KIAA1881|	perilipin	protein-coding
chr19-957	5.690603	0.411046	0.980407	0.41926	0.675026	0.981636	chr19	9570344	9571387	+	0	NA	intron (N	AluSq2|SI	13639	NM_001308	7675	Hs.501537	NM_001008	ENSG00000	ZNF121	D19S204|Z	zinc fing	protein-coding
chr9-1371	5.690603	0.411046	0.980407	0.41926	0.675026	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NM_C	TTS (NM_C	4668	NM_013379	29952	Hs.37916	NM_013379	ENSG00000	DPP7	DPP2|DPPI	dipeptidy	protein-coding
chr2-6940	9.68993	-0.31704	0.757167	-0.41872	0.675422	0.981636	chr2	69403836	69405210	+	0	NA	intron (N	L1MA8|LIN	-17269	NM_001244	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr5-6604	9.68993	-0.31704	0.757167	-0.41872	0.675422	0.981636	chr5	66048389	66049424	+	0	NA	intron (N	intron (N	-95394	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SR	splicing	protein-coding
chr9-1360	9.179476	-0.32903	0.785906	-0.41866	0.675464	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	MER52A|LT	65995	NM_144653	138151	Hs.112895	NM_144653	ENSG00000	NACC2	BEND9|BTE	NACC fami	protein-coding
chr1-1737	11.3911	0.292765	0.699356	0.418621	0.675493	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1PA4|LIN	11474	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLE	kelch lik	protein-coding
chr2-2186	6.937804	-0.37016	0.884343	-0.41857	0.67553	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	AluJr|SIN	18582	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr3-4853	6.937804	-0.37016	0.884343	-0.41857	0.67553	0.981636	chr3	48534394	48535112	+	0	NA	intron (N	L1MEc|LIN	15268	NR_106881	1.02E+08		NR_106881	ENSG00000	MIR6823	hsa-mir-6	microRNA	ncRNA
chr3-1956	19.07425	0.232232	0.554914	0.418502	0.67558	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	non-codin	non-codin	-14589	NR_122105	440993	Hs.708999	NM_001013714		MIR570HG	LINC00969	MIR570 ho	ncRNA
chr1-1236	18.06536	0.238958	0.571253	0.418305	0.675724	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2180449	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-9357	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr1	93570077	93572281	+	0	NA	intron (N	AluSx|SIN	13983	NM_001308	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr1-1625	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	AluSx|SIN	21909	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr1-1761	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	MLT1F2|LT	60923	NM_001001	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr10-918	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr10	91850735	91852793	+	0	NA	intron (N	Tigger16a	53338	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr11-573	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr11	57327119	57327870	+	0	NA	exon (NM_	exon (NM_	-2542	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr11-118	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-9433	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr12-571	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr12	57146938	57147913	+	0	NA	intron (N	intron (N	194	NR_131938	1.06E+08	Hs.609540	NR_131938	ENSG00000	LRP1-AS	-	LRP1 anti	ncRNA
chr13-769	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr13	76995865	76997800	+	0	NA	intron (N	L1PB1|LIN	4751	NM_006493	1203	Hs.30213	NM_006493	ENSG00000	CLN5	-	CLN5 intr	protein-coding
chr14-999	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr14	99939777	99941069	+	0	NA	3’ UTR (N	3’ UTR (N	-30999	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr15-249	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr15	24981552	24983476	+	0	NA	TTS (NR_C	TTS (NR_C	520	NR_001293	91380		NR_001293	ENSG00000	SNORD107	HBII-436	small nuc	snoRNA
chr15-588	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr15	58810353	58814117	+	0	NA	intron (N	AluSg4|SI	40933	NM_001040	54629	Hs.591122	NM_019092	ENSG00000	MINDY2	FAM63B	MINDY lys	protein-coding
chr16-746	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr16	74629699	74637048	+	0	NA	intron (N	L1ME1|LIN	-26259	NR_027265	2734	Hs.109731	NM_012201	ENSG00000	GLG1	CFR-1|ESL	golgi gly	protein-coding
chr18-318	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr18	31880485	31882473	+	0	NA	intron (N	L1PA17|LI	61649	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr2-4713	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr2	47139799	47140545	+	0	NA	intron (N	L1MC1|LIN	15136	NM_173649	285051	Hs.531575	NM_173649	ENSG00000	STPG4	C2orf61|C	sperm-tai	protein-coding
chr2-9164	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr2	91649716	91650359	+	0	NA	intron (N	AluSc|SIN	9912	NR_027238	654342	Hs.469287	NR_027238		LSP1P4	-	LSP1 pseu	pseudo
chr2-2031	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSz6|SI	-62157	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr2-2161	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	40028	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr2-2328	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	Tigger1|D	-44537	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr20-323	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr20	32331594	32332206	+	0	NA	3’ UTR (N	3’ UTR (N	-26444	NM_015338	171023	Hs.374043	NM_015338	ENSG00000	ASXL1	BOPS|MDS	ASXL tran	protein-coding
chr20-583	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr20	58353959	58355193	+	0	NA	intron (N	intron (N	-34543	NM_004738	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP asso	protein-coding
chr21-414	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr21	41431507	41433244	+	0	NA	intron (N	intron (N	325	NM_001282	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr22-359	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr22	35935458	35935965	+	0	NA	intron (N	intron (N	25919	NM_001349	23543	Hs.282998	NM_014309	ENSG00000	RBFOX2	FOX2|Fox-	RNA bindi	protein-coding
chr22-377	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr22	37768007	37773264	+	0	NA	intron (N	AluSp|SIN	24401	NM_138632	11078	Hs.533030	NM_007032	ENSG00000	TRIOBP	DFNB28|HR	TRIO and	protein-coding
chr3-1130	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	12677	NM_001319	25871	Hs.591288	NM_015412	ENSG00000	NEPRO	C3orf17|N	nucleolus	protein-coding
chr3-1248	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	71120	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr3-1250	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	12547	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr3-1341	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	L1PA5|LIN	82503	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr3-1542	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	Intergeni	L1PA5|LIN	56144	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr3-1865	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-10482	NM_017541	1427	Hs.376209	NM_017541	ENSG00000	CRYGS	CRYG8|CTR	crystalli	protein-coding
chr4-6762	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr4	67628825	67635044	+	0	NA	intron (N	intron (N	69221	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr4-1063	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	20178	NM_001195	1.01E+08	Hs.722750	NM_001195	ENSG00000	GIMD1	-	GIMAP fam	protein-coding
chr4-1587	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	TTS (NM_C	TTS (NM_C	13251	NM_005038	5481	Hs.183958	NM_005038	ENSG00000	PPID	CYP-40|CY	peptidylp	protein-coding
chr5-9549	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr5	95495416	95496432	+	0	NA	intron (N	L1MEd|LIN	59081	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1420	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11280	NM_005471	10007	Hs.633853	NM_005471	ENSG00000	GNPDA1	GNP1|GNPD	glucosami	protein-coding
chr5-1432	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	L1MA4|LIN	103639	NM_001364	2908	Hs.122926	NM_000176	ENSG00000	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr5-1517	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	AluJb|SIN	-21736	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA
chr6-1078	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA7|LIN	-62030	NM_001286	256380	Hs.486109	NM_198081	ENSG00000	SCML4	dJ47M23.1	Scm polyc	protein-coding
chr7-3249	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr7	32497436	32498382	+	0	NA	intron (N	AluYk3|SI	2420	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-4731	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr7	47311282	47313462	+	0	NA	intron (N	intron (N	152431	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1355	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	33711	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr7-1523	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	126120	NM_170606	58508	Hs.647120	NM_021230	ENSG00000	KMT2C	HALR|KLEF	lysine me	protein-coding
chr8-5380	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr8	53800113	53800821	+	0	NA	intron (N	Looper|DN	42575	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr8-8171	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr8	81712762	81717385	+	0	NA	exon (NM_	exon (NM_	6227	NM_024699	79752	Hs.655453	NM_024699	ENSG00000	ZFAND1	-	zinc fing	protein-coding
chr9-6481	6.922088	-0.36642	0.876308	-0.41814	0.675848	0.981636	chr9	6481731	6485157	+	0	NA	intron (N	MER2|DNA|	70245	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr2-2305	5.152876	0.435259	1.04098	0.418124	0.675856	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	83856	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr10-793	9.682072	-0.31568	0.755778	-0.41769	0.676174	0.981636	chr10	79300199	79302833	+	0	NA	intron (N	intron (N	-45953	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr3-6415	9.682072	-0.31568	0.755778	-0.41769	0.676174	0.981636	chr3	64152871	64153414	+	0	NA	intron (N	intron (N	-34402	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr7-2512	9.682072	-0.31568	0.755778	-0.41769	0.676174	0.981636	chr7	25120127	25121532	+	0	NA	3’ UTR (N	3’ UTR (N	4532	NM_018947	54205	Hs.437060	NM_018947	ENSG00000	CYCS	CYC|HCS|T	cytochrom	protein-coding
chr17-160	6.452774	-0.3843	0.920088	-0.41767	0.676187	0.981636	chr17	16039942	16040895	+	0	NA	intron (N	intron (N	40594	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-182	6.452774	-0.3843	0.920088	-0.41767	0.676187	0.981636	chr17	18275717	18276390	+	0	NA	intron (N	intron (N	14943	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochond	protein-coding
chr2-1201	6.452774	-0.3843	0.920088	-0.41767	0.676187	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	MER2|DNA|	57816	NM_024121	79134	Hs.376722	NM_024121	ENSG00000	TMEM185B	FAM11B	transmemb	protein-coding
chr3-1003	6.452774	-0.3843	0.920088	-0.41767	0.676187	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSx|SIN	10368	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr2-2020	10.10239	-0.30777	0.737071	-0.41755	0.676273	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2071	NM_003507	8324	Hs.173859	NM_003507	ENSG00000	FZD7	FzE3	frizzled	protein-coding
chr5-8306	10.10239	-0.30777	0.737071	-0.41755	0.676273	0.981636	chr5	83060593	83062136	+	0	NA	intron (N	intron (N	2973	NR_003139	677765	Hs.693283	NR_003139	ENSG00000	SCARNA18	SCARNA18A	small Caj	ncRNA
chr19-271	10.44877	0.315565	0.755866	0.417488	0.676321	0.981636	chr19	27188814	27189615	+	0	NA	Intergeni	ALR/Alpha	-604217	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-1522	4.146388	-0.47775	1.144861	-0.4173	0.676461	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	160688	NM_001371474								
chr1-3616	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr1	36169334	36169848	+	0	NA	intron (N	intron (N	13431	NM_001286	55700	Hs.356096	NM_018067	ENSG00000	MAP7D1	PARCC1|RF	MAP7 doma	protein-coding
chr13-758	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr13	75818661	75819423	+	0	NA	intron (N	intron (N	-51996	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 down	protein-coding
chr17-155	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr17	15537754	15538191	+	0	NA	3’ UTR (N	3’ UTR (N	25511	NM_001204	1.01E+08	Hs.164595	NM_001204	ENSG00000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chr2-1139	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSg|SIN	-23638	NR_110174	1.01E+08	Hs.741753	NR_110174		ACTR3-AS1	-	ACTR3 ant	ncRNA

chr3-4566	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr3	45665845	45666500	+	0	NA	intron (N	intron (N	22710	NR_033947	644714	Hs.712889	NR_033947		LIMD1-AS1	-	LIMD1 ant	ncRNA
chr4-5271	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr4	52713793	52714228	+	0	NA	TTS (NR_0	TTS (NR_0	761	NR_003016	677810	Hs.635034	NR_003016	ENSG00000	SNORA26	HBI-6	small nuc	snoRNA
chr4-5691	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr4	56917798	56918238	+	0	NA	intron (N	AluY|SINE	9105	NM_001193	5978	Hs.307836	NM_005612	ENSG00000	REST	DFNA27|GI	RE1 siler	protein-coding
chr6-1191	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-44551	NM_001288	79632	Hs.443789	NM_024581	ENSG00000	FAM184A	C6orf60	family wi	protein-coding
chr7-1356	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJr|SIN	-29531	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr9-5739	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr9	5739916	5740790	+	0	NA	intron (N	HERVL-int	92764	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-2185	6.880949	-0.36966	0.886364	-0.41706	0.676637	0.981636	chr9	21858005	21859592	+	0	NA	intron (N	intron (N	56162	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr1-1035	9.373315	0.33147	0.79481	0.417044	0.676647	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSp|SIN	12296	NM_017619	55599	Hs.632423	NM_017619	ENSG00000	RNPC3	IGHD5|RBM	RNA bindi	protein-coding
chr1-4338	11.89555	0.285008	0.683406	0.41704	0.676649	0.981636	chr1	43383984	43387962	+	0	NA	intron (N	intron (N	3827	NM_001001	112950	Hs.301756	NM_052877	ENSG00000	MED8	ARC32	mediator	protein-coding
chr15-824	11.89555	0.285008	0.683406	0.41704	0.676649	0.981636	chr15	82459766	82461377	+	0	NA	Intergeni	MamGypLTR	-15702	NR_120378	1.03E+08	Hs.694638	NR_120378		LOC102724	-	uncharact	ncRNA
chr4-5629	5.723885	0.41539	0.996268	0.416946	0.676718	0.981636	chr4	5629943	5630362	+	0	NA	intron (N	intron (N	78407	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr7-7432	5.723885	0.41539	0.996268	0.416946	0.676718	0.981636	chr7	74323687	74324137	+	0	NA	intron (N	Tigger3|D	34437	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIF	CAP-Gly d	protein-coding
chr1-1559	12.39213	0.279101	0.669398	0.416944	0.67672	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluYa5|SI	2908	NR_003005	677771	Hs.678903	NR_003005	ENSG00000	SCARNA4	ACA26	small Ca	ncRNA
chr10-103	12.39213	0.279101	0.669398	0.416944	0.67672	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	TTS (NM_0	TTS (NM_0	63298	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucle	protein-coding
chr4-2667	10.15139	-0.30692	0.73676	-0.41658	0.676987	0.981636	chr4	26676829	26680833	+	0	NA	intron (N	PRIMA4_LT	94747	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr9-1346	10.15139	-0.30692	0.73676	-0.41658	0.676987	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-48562	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 ar	ncRNA
chr16-900	11.33424	0.29433	0.706818	0.416416	0.677106	0.981636	chr16	90031239	90032244	+	0	NA	intron (N	MIRb|SINE	-1840	NR_122031	750	Hs.633032	NM_001214	ENSG00000	GAS8-AS1	C16orf3	GAS8 ant	ncRNA
chr1-1788	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	Tigger3a|	42721	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGF	angiopoie	protein-coding
chr1-1966	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	LTR9D|LTR	38777	NM_000186	3075	Hs.363396	NM_000186	ENSG00000	CFH	AHUS1|AME	complemer	protein-coding
chr1-2354	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSq2|SI	64038	NM_152490	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr1-2467	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	-25153	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr11-108	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	MER5A1|DN	47709	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Cc	protein-coding
chr12-710	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr12	7103732	7105150	+	0	NA	intron (N	MER6A|DNA	-3867	NR_026947	283314	Hs.744212	NR_026947	ENSG00000	C1RL-AS1	MATL2963	C1RL ant	ncRNA
chr15-731	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr15	73151108	73151815	+	0	NA	intron (N	THE1C|LTR	98977	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NC	neogenin	protein-coding
chr16-433	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr16	4337000	4338001	+	0	NA	exon (NM_	exon (NM_	5276	NM_032575	84662	Hs.592087	NM_032575	ENSG00000	GLIS2	NKL|NPHP7	GLIS fami	protein-coding
chr16-665	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr16	66526656	66531591	+	0	NA	intron (N	intron (N	20999	NM_001271	7084	Hs.512619	NM_004614	ENSG00000	TK2	MTDPS2|MT	thymidine	protein-coding
chr16-703	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr16	70329761	70334364	+	0	NA	intron (N	intron (N	14685	NR_039997	1.01E+08	Hs.635008	NR_039997	ENSG00000	LOC100506	-	uncharact	ncRNA
chr16-891	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr16	89101171	89103389	+	0	NA	intron (N	intron (N	8428	NR_104293	197322	Hs.461727	NM_174917	ENSG00000	ACSF3	-	acyl-CoA	protein-coding
chr16-895	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr16	89537674	89538728	+	0	NA	TTS (NM_1	TTS (NM_1	-22456	NM_001243	6137	Hs.410817	NM_000977	ENSG00000	RPL13	BBC1|D16S	ribosomal	protein-coding
chr19-189	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr19	18928452	18929038	+	0	NA	TTS (NR_0	TTS (NR_0	9030	NM_019070	54555	Hs.143187	NM_019070	ENSG00000	DDX49	Dbp8|R270	DEAD-box	protein-coding
chr21-454	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr21	45482858	45483701	+	0	NA	intron (N	intron (N	5013	NR_106873	1.02E+08		NR_106873	ENSG00000	MIR6815	hsa-mir-6	microRNA	ncRNA
chr21-463	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr21	46345826	46347100	+	0	NA	intron (N	intron (N	21796	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr3-1003	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	19987	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr3-1848	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	L1MEc|LIN	51740	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr8-2329	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr8	23290166	23290587	+	0	NA	exon (NM_	exon (NM_	2268	NM_001136	203069	Hs.458644	NM_001136	ENSG00000	R3HCC1	-	R3H domai	protein-coding
chr9-8934	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr9	89347988	89349180	+	0	NA	intron (N	intron (N	29733	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bir	protein-coding
chr9-1363	6.724919	0.37163	0.892453	0.416414	0.677107	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-10385	NM_052813	64170	Hs.694071	NM_052813	ENSG00000	CARD9	CANDF2|hC	caspase r	protein-coding
chr12-129	10.14353	-0.30561	0.734329	-0.41617	0.677283	0.981636	chr12	12971998	12975402	+	0	NA	intron (N	L2|LINE|L	-6137	NR_038920	1.01E+08	Hs.127718	NR_038920	ENSG00000	GPRC5D-AS	-	GPRC5D ar	ncRNA
chr20-176	10.14353	-0.30561	0.734329	-0.41617	0.677283	0.981636	chr20	17656847	17660381	+	0	NA	exon (NM_	exon (NM_	23628	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr3-1886	10.14353	-0.30561	0.734329	-0.41617	0.677283	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	intron (N	LTR16E2|L	-41379	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr2-1181	7.239073	0.363407	0.873481	0.416045	0.677377	0.981636	chr2	11815476	11815936	+	0	NA	intron (N	intron (N	21280	NR_036226	1E+08		NR_036226	ENSG00000	MIR4262	-	microRNA	ncRNA
chr21-392	7.239073	0.363407	0.873481	0.416045	0.677377	0.981636	chr21	39297740	39299132	+	0	NA	exon (NM_	exon (NM_	15196	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr17-489	10.34893	0.307746	0.739709	0.416036	0.677383	0.981636	chr17	48940481	48941295	+	0	NA	intron (N	intron (N	3954	NM_001317	11267	Hs.127249	NM_007241	ENSG00000	SNF8	Dot3|EAP3	SNF8 subu	protein-coding
chr5-1723	6.945662	-0.37209	0.894577	-0.41594	0.677456	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	L1MB7|LIN	60248	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr16-856	5.999175	-0.40854	0.982235	-0.41593	0.677459	0.981636	chr16	85676339	85677083	+	0	NA	TTS (NM_0	TTS (NM_0	12243	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|F	GINS comp	protein-coding
chr1-1800	10.85337	0.298661	0.71834	0.415765	0.677582	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MEg|LIN	-97897	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr8-1034	9.633074	-0.31652	0.762171	-0.41529	0.677929	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	12598	NM_015420	25879	Hs.532265	NM_015420	ENSG00000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr1-1614	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr1	16142640	16143723	+	0	NA	intron (N	(GATG)n|S	12888	NM_001329	1969	Hs.171596	NM_004431	ENSG00000	EPHA2	ARCC2|CTF	EPH recep	protein-coding
chr1-2330	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr1	23303524	23306391	+	0	NA	3’ UTR (N	3’ UTR (N	-19439	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr1-2023	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	exon (NM_	exon (NM_	8624	NM_014176	29089	Hs.5199	NM_014176	ENSG00000	UBE2T	FANCT|HSF	ubiquitin	protein-coding
chr10-355	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr10	35533661	35535998	+	0	NA	intron (N	L1MB8|LIN	-70512	NM_153368	219770	Hs.638922	NM_153368	ENSG00000	GJD4	CX40.1	gap junct	protein-coding
chr10-499	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr10	49981981	49983233	+	0	NA	intron (N	intron (N	-5711	NM_001365	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CI	ArfGAP wi	protein-coding
chr10-500	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr10	50002512	50005647	+	0	NA	intron (N	AluSz6|SI	15761	NM_001077	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CI	ArfGAP wi	protein-coding
chr10-708	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr10	70837301	70837650	+	0	NA	intron (N	intron (N	21527	NM_003901	8879	Hs.499984	NM_003901	ENSG00000	SGPL1	NPHS14|S1	sphingosi	protein-coding
chr12-625	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr12	62543138	62547836	+	0	NA	intron (N	intron (N	57947	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr13-199	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr13	19978242	19980336	+	0	NA	intron (N	L1MB4|LIN	19475	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr13-455	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr13	45516782	45518090	+	0	NA	intron (N	intron (N	52497	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr13-526	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr13	52649361	52650661	+	0	NA	Intergeni	L1ME3A|LI	-2825	NM_006704	10910	Hs.281902	NM_006704	ENSG00000	SUGT1	SGT1	SGT1 homc	protein-coding
chr14-229	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr14	22967927	22969519	+	0	NA	Intergeni	AluY|SINE	8119	NM_198086	84962	Hs.655832	NM_032876	ENSG00000	AJUBA	JUB	ajuba LIM	protein-coding
chr14-529	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr14	52916026	52919111	+	0	NA	intron (N	intron (N	33482	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr14-551	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr14	55134578	55134967	+	0	NA	intron (N	intron (N	-2211	NR_003225	3958	Hs.531081	NM_002306	ENSG00000	LGALS3	CBP35|GAL	galectin	protein-coding
chr14-921	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr14	92115569	92119294	+	0	NA	intron (N	intron (N	4275	NM_004545	4707	Hs.183435	NM_004545	ENSG00000	NDUFB1	CI-MNLL|C	NADH:ubic	protein-coding
chr15-253	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	25338425	25340267	+	0	NA	intron (N	intron (N	61003	NR_001289	338429		NR_001289	ENSG00000	SNORD109B	HBII-438B	small nuc	snoRNA
chr15-519	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	51912284	51913639	+	0	NA	3’ UTR (N	3’ UTR (N	11159	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homc	pseudo
chr15-572	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	57271185	57275633	+	0	NA	intron (N	intron (N	5248	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr15-654	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	65482720	65487282	+	0	NA	intron (N	intron (N	32273	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr15-687	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	68784346	68785068	+	0	NA	intron (N	intron (N	17218	NR_036197	1E+08		NR_036197	ENSG00000	MIR4312	-	microRNA	ncRNA
chr15-896	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr15	89638913	89641892	+	0	NA	intron (N	MIR|SINE|	15065	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr16-293	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr16	29382513	29383085	+	0	NA	exon (NM_	exon (NM_	21746	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr17-851	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr17	8518717	8519869	+	0	NA	intron (N	intron (N	83409	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-442	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr17	44208609	44211689	+	0	NA	exon (NM_	exon (NM_	-2310	NR_106840	1.02E+08		NR_106840	ENSG00000	MIR6782	hsa-mir-6	microRNA	ncRNA
chr17-619	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr17	61968291	61969842	+	0	NA	intron (N	intron (N	-41084	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr17-625	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr17	62526123	62530319	+	0	NA	intron (N	L2a|LINE|	47108	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr18-130	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr18	13070686	13073376	+	0	NA	intron (N	intron (N	80669	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr2-3325	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr2	33250059	33259171	+	0	NA	intron (N	L1PA4|LIN	120018	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-1012	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	Tigger12|	8961	NR_003070	692205	Hs.656503	NR_003070	ENSG00000	SNORD89	HBII-289	small nuc	snoRNA
chr2-1975	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	L1M4|LINE	11415	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr2-2075	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	TTS (NM_0	TTS (NM_0	21140	NM_001371428								
chr20-436	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr20	43615142	43615341	+	0	NA	intron (N	AluSx|SIN	24304	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr3-3700	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr3	37001993	37004494	+	0	NA	intron (N	intron (N	9893	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homc	protein-coding
chr3-9794	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr3	97943983	97947649	+	0	NA	TTS (NM_1	TTS (NM_1	26615	NM_153182	84864	Hs.570562	NM_032778	ENSG00000	RIOX2	JMJD10|MD	ribosomal	protein-coding
chr3-1216	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-38223	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr3-1558	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSp|SIN	28390	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr4-1750	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr4	17509001	17509488	+	0	NA	intron (N	intron (N	2846	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHF	quinoid d	protein-coding
chr4-1395	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	35975	NM_001306	80854	Hs.480792	NM_030648	ENSG00000	SETD7	KMT7|SET7	SET domai	protein-coding
chr4-1451	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	-13941	NM_001256	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding
chr5-3849	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr5	38495071	38497591	+	0	NA	intron (N	intron (N	50785	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AC	EGF like,	protein-coding
chr5-5596	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr5	55964726	55966203	+	0	NA	intron (N	L1MC5|LIN	29499	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr5-8130	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr5	81308925	81315181	+	0	NA	intron (N	intron (N	10466	NM_001131	84240	Hs.15536	NM_032280	ENSG00000	ZCCHC9	PPP1R41	zinc fing	protein-coding
chr6-1551	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr6	15511376	15511821	+	0	NA	intron (N	intron (N	151430	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr6-1176	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	19921	NM_138459	116150	Hs.289008	NM_138459	ENSG00000	NUS1	C6orf68|C	NUS1 dehy	protein-coding
chr7-6799	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr7	6799975	6801028	+	0	NA	intron (N	AluJr|SIN	25794	NM_198097	221960	Hs.567779	NM_198097	ENSG00000	CCZ1B	C7orf28A|	CCZ1 homc	protein-coding
chr7-7537	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr7	75376599	75377166	+	0	NA	Intergeni	MER1B|DNA	17682	NR_040583	54441	Hs.632310	NM_018991		STAG3L1	STAG3L1P|	stromal a	pseudo
chr8-9107	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr8	91076952	91079878	+	0	NA	exon (NM_	exon (NM_	8071	NM_001286	51633	Hs.30532	NM_016023	ENSG00000	OTUD6B	CGI-77|DU	OTU domai	protein-coding
chr9-1313	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr9	13133358	13133857	+	0	NA	intron (N	MER5A|DNA	145957	NM_003829	8777	Hs.169378	NM_003829	ENSG00000	MPDZ	HYC2|MUPF	multiple	protein-coding
chr9-9914	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr9	99142750	99143834	+	0	NA	intron (N	intron (N	38179	NM_004612	7046	Hs.494622	NM_004612	ENSG00000	TGFBR1	AAT5|ACVR	transform	protein-coding
chr9-1119	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	10000	NM_003358	7357	Hs.304249	NM_003358	ENSG00000	UGCG	GCS|GLCT1	UDP-gluco	protein-coding
chrX-5367	6.91423	-0.36454	0.878107	-0.41514	0.678037	0.981636	chrX	53678239	53679804	+	0	NA	intron (N	intron (N	7698	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr1-1261	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr1	12611297	12612743	+	0	NA	intron (N	intron (N	4769	NM_001319	9249	Hs.289347	NM_004753	ENSG00000	DHRS3	DD83.1|RD	dehydroge	protein-coding
chr1-1700	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr1	17001346	17002718	+	0	NA	intron (N	intron (N	9896	NM_022089	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-1839	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	113368	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr11-662	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr11	66227693	66228971	+	0	NA	intron (N	intron (N	-28962	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr13-495	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr13	49513028	49514264	+	0	NA	intron (N	intron (N	16590	NM_001040	51131	Hs.369039	NM_001040	ENSG00000	PHF11	APY|BCAP|	PHD finge	protein-coding
chr17-554	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr17	5540726	5542088	+	0	NA	intron (N	intron (N	-40401	NM_001162	728392	Hs.104305	NM_001162	ENSG00000	LOC728392	-	uncharact	protein-coding
chr17-679	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr17	67950616	67951366	+	0	NA	intron (N	AluSz|SIN	42615	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr18-215	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr18	21544173	21544739	+	0	NA	intron (N	AluSq2|SI	56248	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr19-137	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr19	1372998	1374825	+	0	NA	intron (N	intron (N	-9996	NM_024407	374291	Hs.211914	NM_024407	ENSG00000	NDUFS7	CI-20|CI-	NADH:ubic	protein-coding
chr19-553	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr19	55342496	55343551	+	0	NA	intron (N	intron (N	3147	NM_032701	84787	Hs.590982	NM_032701	ENSG00000	KMT5C	SUV420H2|	lysine me	protein-coding
chr2-2320	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	L1PA7|LIN	75485	NR_046477	129563	Hs.732236	NM_152383	ENSG00000	DIS3L2	FAM6A|PRI	DIS3 like	protein-coding
chr21-461	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr21	46195426	46197666	+	0	NA	intron (N	HAL1b|LIN	-2387	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr21-464	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr21	46438892	46441088	+	0	NA	intron (N	intron (N	-18901	NM_206891	23181	Hs.189585	NM_015151	ENSG00000	DIP2A	C21orf106	disco int	protein-coding
chr3-1632	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr3	16321187	16322560	+	0	NA	intron (N	intron (N	56661	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr5-1337	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr5	1337182	1338596	+	0	NA	intron (N	intron (N	7210	NM_030782	81037	Hs.444673	NM_030782	ENSG00000	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr6-4334	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr6	43344947	43345545	+	0	NA	intron (N	AluJb|SIN	24401	NM_014345	24149	Hs.509718	NM_014345	ENSG00000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr7-2262	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr7	2262428	2263652	+	0	NA	intron (N	AluSx1|SI	-5463	NR_106895	1.02E+08		NR_106895	ENSG00000	MIR6836	hsa-mir-6	microRNA	ncRNA
chr8-1437	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	20485	NR_030633	1E+08		NR_030633	ENSG00000	MIR937	MIRN937|h	microRNA	ncRNA
chr8-1440	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	3055	NM_003801	8733	Hs.627962	NM_003801	ENSG00000	GPAA1	GAA1|GPIE	glycosylp	protein-coding
chr9-1519	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr9	15192724	15193218	+	0	NA	intron (N	intron (N	57247	NM_001168	158219	Hs.563630	NM_152574	ENSG00000	TTC39B	C9orf52	tetratric	protein-coding
chr9-1251	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	3710	NM_173690	286205	Hs.59504	NM_173690	ENSG00000	SCAI	C9orf126|	suppresso	protein-coding
chr9-1288	6.195049	0.386448	0.931357	0.414931	0.678193	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4184	NM_004435	2021	Hs.745161	NM_004435	ENSG00000	ENDOG	-	endonucle	protein-coding
chr1-2596	5.657322	0.406513	0.979788	0.414899	0.678216	0.981636	chr1	25967131	25967610	+	0	NA	intron (N	intron (N	30693	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr18-510	5.657322	0.406513	0.979788	0.414899	0.678216	0.981636	chr18	51057426	51058421	+	0	NA	intron (N	intron (N	27710	NM_005359	4089	Hs.75862	NM_005359	ENSG00000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr2-2328	5.657322	0.406513	0.979788	0.414899	0.678216	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-19172	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding

chr4-1357	5.657322	0.406513	0.979788	0.414899	0.678216	0.981636	chr4	13578389	13578931	+	0	NA	intron (N	AluJo|SIN	-30836	NR_015450	285548	Hs.529284	NR_015450		LINC01096	-	long inte	ncRNA
chr6-1697	5.657322	0.406513	0.979788	0.414899	0.678216	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	8983	NM_001278	55780	Hs.47546	NM_018341	ENSG00000	ERMARD	C6orf70|F	ER membra	protein-coding
chr1-2251	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr1	22513030	22514542	+	0	NA	intron (N	intron (N	-49703	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr1-3208	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr1	32080717	32081740	+	0	NA	intron (N	intron (N	-5721	NR_049850	1.01E+08		NR_049850	ENSG00000	MIR5585	-	microRNA	ncRNA
chr1-5275	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr1	52757059	52758645	+	0	NA	intron (N	intron (N	31399	NM_024646	79699	Hs.476280	NM_024646	ENSG00000	ZYG11B	ZYG11	zyg-11 fa	protein-coding
chr1-2294	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	MER44A|DN	28791	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr11-183	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr11	18343147	18344521	+	0	NA	intron (N	L2b|LINE|	21267	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr11-119	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9692	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr14-775	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr14	77595893	77597058	+	0	NA	intron (N	AluYh3|SI	20292	NM_004863	9517	Hs.435661	NM_004863	ENSG00000	SPTLC2	HSN1C|LCB	serine pa	protein-coding
chr15-641	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr15	64115242	64115591	+	0	NA	intron (N	intron (N	19434	NM_001242	6642	Hs.188634	NM_003099	ENSG00000	SNX1	HsT17379|	sorting n	protein-coding
chr16-443	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr16	4431169	4431903	+	0	NA	intron (N	intron (N	5668	NM_001135	9093	Hs.459779	NM_005147	ENSG00000	DNAJA3	HCA57|TID	DnaJ heat	protein-coding
chr16-283	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr16	28395511	28396529	+	0	NA	intron (N	Tigger4b|	-4969	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr16-574	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr16	57437592	57439147	+	0	NA	intron (N	intron (N	9016	NM_020313	57019	Hs.4900	NM_020313	ENSG00000	CIAPIN1	Anamorsin	cytokine	protein-coding
chr17-318	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr17	31851783	31853941	+	0	NA	exon (NM_	exon (NM_	6100	NM_001330	55352	Hs.462729	NM_018405	ENSG00000	COPRS	C17orf79|	coordinat	protein-coding
chr21-371	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr21	37176374	37177822	+	0	NA	intron (N	MLT1H|LTR	16828	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-428	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr22	42874046	42874499	+	0	NA	intron (N	AluJr|SIN	-16999	NM_001142	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-1026	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr3	10269940	10271460	+	0	NA	exon (NM_	exon (NM_	-9651	NR_162141	1.13E+08		NR_162141		MIR12127	-	microRNA	ncRNA
chr3-3939	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr3	39395919	39397381	+	0	NA	3’ UTR (N	3’ UTR (N	-10070	NM_001304	3921	Hs.449909	NM_002295	ENSG00000	RPSA	37LRP|67L	ribosomal	protein-coding
chr3-5255	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr3	52557458	52558415	+	0	NA	intron (N	intron (N	21331	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr6-9055	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr6	90555457	90556777	+	0	NA	intron (N	Tigger17a	30955	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr8-2340	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr8	234090	235420	+	0	NA	intron (N	intron (N	2299	NM_001042	169270	Hs.591388	NM_173539	ENSG00000	ZNF596	-	zinc fing	protein-coding
chr9-1113	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	Tigger1|D	-49573	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHC	olfactory	protein-coding
chrX-4575	6.683779	0.369976	0.891935	0.414801	0.678288	0.981636	chrX	45754590	45755987	+	0	NA	Intergeni	L1PB1|LIN	-8164	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr1-1200	11.35782	0.290325	0.699989	0.414756	0.67832	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	65268	NM_024408	4853	Hs.487360	NM_024408	ENSG00000	NOTCH2	AGS2|HJCY	notch rec	protein-coding
chr7-6664	6.7582	0.375648	0.905858	0.414687	0.678371	0.981636	chr7	66642862	66643504	+	0	NA	TTS (NM_1	TTS (NM_1	-11336	NR_110037	1.01E+08	Hs.667408	NR_110037		LOC100996	-	uncharact	ncRNA
chr1-6768	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr1	67686052	67690093	+	0	NA	3’ UTR (N	3’ UTR (N	2871	NM_001924	1647	Hs.80409	NM_001924	ENSG00000	GADD45A	DDIT1|GAD	growth ar	protein-coding
chr10-740	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr10	74073070	74076333	+	0	NA	intron (N	intron (N	76127	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr11-128	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	60657	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr12-654	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr12	6544537	6547372	+	0	NA	intron (N	MER44C|DN	10088	NM_080730	25900	Hs.15243	NM_015438	ENSG00000	IFFO1	HOM-TES-1	intermedi	protein-coding
chr14-504	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr14	50421738	50425950	+	0	NA	intron (N	LTR16C|LT	-26546	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr2-3647	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr2	36479213	36481898	+	0	NA	intron (N	intron (N	117613	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-1357	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-12914	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr2-1974	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	6175	NM_002156	3329	Hs.595053	NM_002156	ENSG00000	HSPD1	CPN60|GRO	heat shoc	protein-coding
chr3-1224	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSc5|SI	47240	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr5-9551	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr5	95516274	95517268	+	0	NA	intron (N	intron (N	38234	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr7-7471	10.13567	-0.3043	0.734128	-0.4145	0.678506	0.981636	chr7	74710849	74718140	+	0	NA	intron (N	intron (N	14424	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr19-223	6.847667	-0.37504	0.904868	-0.41446	0.678534	0.981636	chr19	2234226	2234459	+	0	NA	promoter-	promoter-	-193	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr3-4870	6.847667	-0.37504	0.904868	-0.41446	0.678534	0.981636	chr3	48702679	48703027	+	0	NA	intron (N	L2a|LINE|	14368	NM_001005	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr17-187	6.228331	0.390572	0.942975	0.414191	0.678734	0.981636	chr17	18732978	18733840	+	0	NA	intron (N	L2b|LINE|	-10645	NR_051988	10517	Hs.592128	NM_031456	ENSG00000	FBXW10	Fbw10|HRE	F-box and	protein-coding
chr3-1977	6.79682	-0.39072	0.944098	-0.41385	0.678981	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-5963	NM_001363	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr11-125	4.212952	-0.46028	1.112771	-0.41363	0.679144	0.981636	chr11	12531943	12532894	+	0	NA	3’ UTR (N	3’ UTR (N	-142003	NM_021961	7003	Hs.655331	NM_021961	ENSG00000	TEAD1	AA|NTEF-1	TEA domai	protein-coding
chr12-693	4.212952	-0.46028	1.112771	-0.41363	0.679144	0.981636	chr12	69373805	69375719	+	0	NA	intron (N	SVA_B|Ret	15019	NM_006530	8089	Hs.4029	NM_006530	ENSG00000	YEATS4	4930573H1	YEATS dom	protein-coding
chr2-6111	4.212952	-0.46028	1.112771	-0.41363	0.679144	0.981636	chr2	61111787	61112715	+	0	NA	intron (N	L1ME1|LIN	32724	NR_036496	339803	Hs.252433	NR_036496	ENSG00000	LOC339803	-	uncharact	ncRNA
chr1-9853	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	9853344	9854798	+	0	NA	intron (N	L1M5|LINE	-29545	NM_014944	22883	Hs.29665	NM_014944	ENSG00000	CLSTN1	ALC-ALPHA	calsynten	protein-coding
chr1-1228	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	12282831	12285470	+	0	NA	intron (N	intron (N	54120	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3285	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	32852528	32853884	+	0	NA	intron (N	AluSc8|SI	17607	NM_001171	252995	Hs.524234	NM_153756	ENSG00000	FNDC5	FRCP2|iri	fibronect	protein-coding
chr1-1156	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	22824	NM_001172	81839	Hs.515130	NM_138959	ENSG00000	VANGL1	KITENIN|L	VANGL pla	protein-coding
chr1-1244	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2956338	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1502	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14491	NM_001136	81611	Hs.656466	NM_030920	ENSG00000	ANP32E	LANP-L|LA	acidic nu	protein-coding
chr1-1850	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	MER2B|DNA	43269	NM_007212	6045	Hs.591490	NM_007212	ENSG00000	RNF2	BAP-1|BAF	ring fing	protein-coding
chr1-2018	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-1336	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr1-2051	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	-27460	NM_001193	5929	Hs.519230	NM_005057	ENSG00000	RBBP5	RBQ3|SWD1	RB bindin	protein-coding
chr1-2207	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	2.21E+08	2.21E+08	+	0	NA	intron (N	intron (N	-16135	NM_022746	64757	Hs.497816	NM_022746	ENSG00000	1-Mar	MOSC1	mitochond	protein-coding
chr1-2315	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (N	intron (N	4219	NM_005999	7257	Hs.13318	NM_005999	ENSG00000	TSNAX	C3PO|TRAX	translin	protein-coding
chr10-149	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr10	14926033	14927170	+	0	NA	intron (N	AluSx1|SI	27495	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-684	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr10	68484895	68486456	+	0	NA	intron (N	AluSg7|SI	-13554	NR_102264	1763	Hs.532446	NM_001080	ENSG00000	DNA2	DNA2L|hDN	DNA repli	protein-coding
chr10-731	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr10	73193551	73195695	+	0	NA	intron (N	AluSx4|SI	26504	NM_173348	317662	Hs.408577	NM_173348	ENSG00000	FAM149B1	KIAA0974	family wi	protein-coding
chr10-956	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr10	95681440	95687629	+	0	NA	exon (NM_	exon (NM_	9393	NM_015631	26123	Hs.438991	NM_015631	ENSG00000	TCTN3	C10orf61|	tectonic	protein-coding
chr11-651	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr11	65197115	65203538	+	0	NA	intron (N	AluJb|SIN	-13514	NR_033396	440044	Hs.532372	NM_001004	ENSG00000	SLC22A20P	Oat6|SLC2	solute ca	pseudo
chr11-671	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr11	67138229	67140828	+	0	NA	intron (N	AluSx1|SI	20265	NM_012308	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-681	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr11	68167123	68171090	+	0	NA	intron (N	intron (N	44190	NM_001369	51111	Hs.632120	NM_016028	ENSG00000	KMT5B	CGI-85|CG	lysine me	protein-coding
chr11-108	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz|SIN	104799	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-647	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr12	64715935	64717597	+	0	NA	exon (NM_	exon (NM_	42640	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr12-986	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr12	98676888	98678795	+	0	NA	intron (N	intron (N	32541	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-132	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-9876	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr13-302	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr13	30214891	30216902	+	0	NA	intron (N	L1PA3|LIN	-62822	NR_138041	1.02E+08	Hs.639879	NR_138041		LINC00384	-	long inte	ncRNA
chr14-351	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr14	35132576	35134323	+	0	NA	intron (N	L1M1|LINE	10897	NM_001256	9692	Hs.458487	NM_014672	ENSG00000	PRORP	KIAA0391|	protein c	protein-coding
chr14-754	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr14	75459963	75463979	+	0	NA	intron (N	intron (N	29837	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr15-281	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr15	28138791	28140685	+	0	NA	intron (N	L1MEd|LIN	-40423	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr15-651	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr15	65162078	65163121	+	0	NA	intron (N	intron (N	22743	NM_006660	10845	Hs.113823	NM_006660	ENSG00000	CLPX	EPP2	caseinoly	protein-coding
chr15-664	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr15	66481557	66482200	+	0	NA	exon (NM_	exon (NM_	15156	NR_039737	1.01E+08		NR_039737	ENSG00000	MIR4512	-	microRNA	ncRNA
chr15-762	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr15	76213967	76215321	+	0	NA	TTS (NM_0	TTS (NM_0	-33158	NR_120360	1.02E+08	Hs.631721	NR_120360	ENSG00000	LOC101929	-	uncharact	ncRNA
chr15-910	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr15	91003239	91006119	+	0	NA	intron (N	intron (N	-10144	NM_199413	9055	Hs.366401	NM_003981	ENSG00000	PRC1	ASE1	protein r	protein-coding
chr16-490	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr16	490199	490960	+	0	NA	intron (N	AluJb|SIN	15655	NM_001142	9727	Hs.531642	NM_014700	ENSG00000	RAB11FIP3	CART1|FIF	RAB11 fam	protein-coding
chr16-175	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr16	1750830	1756401	+	0	NA	intron (N	AluY|SINE	18094	NM_002513	4832	Hs.514065	NM_002513	ENSG00000	NME3	DR-nm23|N	NME/NM23	protein-coding
chr16-251	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr16	25161007	25165911	+	0	NA	intron (N	AluSc|SIN	-14427	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr16-750	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr16	75037107	75038490	+	0	NA	intron (N	intron (N	38774	NM_032268	84937	Hs.427284	NM_032268	ENSG00000	ZNRF1	NIN283	zinc and	protein-coding
chr17-188	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr17	1888674	1892724	+	0	NA	intron (N	intron (N	60694	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTO	replicati	protein-coding
chr17-467	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr17	4670892	4678037	+	0	NA	intron (N	intron (N	29673	NM_014389	27043	Hs.744899	NM_014389	ENSG00000	PELP1	MNAR|P160	proline,	protein-coding
chr17-441	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr17	44181188	44182970	+	0	NA	intron (N	intron (N	4638	NR_049729	339201	Hs.656564	NM_178542	ENSG00000	ASB16-AS1	C17orf65	ASB16 ant	ncRNA
chr17-626	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr17	62664761	62665882	+	0	NA	intron (N	AluSz|SIN	37651	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr17-767	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr17	76773736	76775600	+	0	NA	intron (N	intron (N	-24376	NR_110837	1.02E+08	Hs.617206	NR_110837	ENSG00000	LINC02080	-	long inte	ncRNA
chr18-235	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr18	23552034	23557505	+	0	NA	exon (NM_	exon (NM_	31737	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr18-459	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr18	45987617	45992083	+	0	NA	intron (N	7SK|RNA|R	-22521	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr18-634	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr18	63409104	63411061	+	0	NA	intron (N	MER58A|DN	12394	NM_004869	9525	Hs.126550	NM_004869	ENSG00000	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr19-107	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr19	10797718	10799019	+	0	NA	intron (N	intron (N	18114	NR_039903	1.01E+08		NR_039903	ENSG00000	MIR4748	mir-4748	microRNA	ncRNA
chr19-500	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr19	50005583	50009136	+	0	NA	intron (N	MER102c|D	18013	NM_016440	51231	Hs.443330	NM_016440	ENSG00000	VRK3	-	VRK serin	protein-coding
chr2-1592	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	L1ME1|LIN	41610	NM_152528	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr20-302	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr20	3021792	3028951	+	0	NA	intron (N	AluSx4|SI	-18251	NM_001501	2797	Hs.129715	NM_001501	ENSG00000	GNRH2	GnRH-II|L	gonadotro	protein-coding
chr20-176	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr20	17671314	17672062	+	0	NA	intron (N	intron (N	10554	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr22-439	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr22	43966259	43971275	+	0	NA	exon (NM_	exon (NM_	13325	NM_015380	25813	Hs.505824	NM_015380	ENSG00000	SAMM50	CGI-51|OM	SAMM50 sc	protein-coding
chr3-1963	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJr|SIN	-31772	NR_037950	1.01E+08	Hs.733180	NR_037950		TM4SF19-T	-	TM4SF19-T	ncRNA
chr4-5691	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr4	5691457	5693757	+	0	NA	intron (N	AluYb8|SI	15952	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr5-6571	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr5	65718973	65719567	+	0	NA	intron (N	intron (N	2839	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr5-9547	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr5	95475487	95476634	+	0	NA	intron (N	L1P4a|LIN	78945	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr6-2824	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr6	28245253	28248098	+	0	NA	intron (N	intron (N	5594	NM_019110	387032	Hs.44720	NM_019110	ENSG00000	ZKSCAN4	P1P373C6|	zinc fing	protein-coding
chr6-6369	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr6	63699244	63700894	+	0	NA	intron (N	intron (N	53543	NM_015153	23469	Hs.348921	NM_015153	ENSG00000	PHF3	-	PHD finge	protein-coding
chr6-1089	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	21357	NM_001199	27244	Hs.591336	NM_014454	ENSG00000	SESN1	PA26|SEST	sestrin 1	protein-coding
chr7-5202	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr7	5202533	5203829	+	0	NA	intron (N	intron (N	-11088	NM_001033	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr7-6580	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr7	6580811	6586585	+	0	NA	intron (N	intron (N	6244	NM_018106	55146	Hs.5268	NM_018106	ENSG00000	ZDHHC4	ZNF374	zinc fing	protein-coding
chr7-4447	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr7	44478210	44479553	+	0	NA	intron (N	THE1C|LTR	11777	NM_015332	23386	Hs.488171	NM_015332	ENSG00000	NUDCD3	NudCL	NudC doma	protein-coding
chr7-9896	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr7	98969067	98972741	+	0	NA	intron (N	intron (N	-42261	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-1183	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr8	11838082	11839445	+	0	NA	3’ UTR (N	3’ UTR (N	29324	NM_001908	1508	Hs.520898	NM_001908	ENSG00000	CTSB	APPS|CPSB	cathepsin	protein-coding
chr8-7303	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr8	73039761	73042039	+	0	NA	intron (N	L1MCb|LIN	32036	NM_017489	7013	Hs.442707	NM_003218	ENSG00000	TERF1	PIN2|TRBF	telomeric	protein-coding
chr9-1217	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	17351	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr9-1283	6.691637	0.367721	0.889082	0.413597	0.67917	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	4376	NM_005094	10999	Hs.656699	NM_005094	ENSG00000	SLC27A4	ACSVL4|FA	solute ca	protein-coding
chr12-687	6.675921	0.372281	0.900519	0.413407	0.679308	0.981636	chr12	68751719	68752471	+	0	NA	exon (NM_	exon (NM_	5919	NM_001354	55508	Hs.506011	NM_018656	ENSG00000	SLC35E3	BLOV1	solute ca	protein-coding
chr17-847	6.675921	0.372281	0.900519	0.413407	0.679308	0.981636	chr17	8474748	8475317	+	0	NA	3’ UTR (N	3’ UTR (N	39148	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr18-123	6.675921	0.372281	0.900519	0.413407	0.679308	0.981636	chr18	12358609	12359507	+	0	NA	intron (N	intron (N	18218	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr2-1087	10.5717	-0.29983	0.725369	-0.41335	0.679352	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSx|SIN	13462	NM_006267	5903	Hs.199561	NM_006267	ENSG00000	RANBP2	ADANE|ANE	RAN bindi	protein-coding
chr3-3384	10.09453	-0.30645	0.74139	-0.41335	0.679354	0.981636	chr3	33845932	33846270	+	0	NA	intron (N	intron (N	47471	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr11-133	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr11	13360014	13361303	+	0	NA	intron (N	intron (N	79621	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr15-490	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr15	49031356	49033141	+	0	NA	intron (N	intron (N	14198	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr15-642	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr15	64212413	64212959	+	0	NA	intron (N	AluJr4|SI	-49531	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr18-273	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr18	2737832	2738376	+	0	NA	intron (N	intron (N	82217	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr2-8776	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr2	8776704	8777711	+	0	NA	intron (N	intron (N	60406	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr2-1603	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-44942	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr21-326	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr21	32690636	32691145	+	0	NA	intron (N	AluSp|SIN	37031	NM_001160	8867	Hs.473632	NM_003895	ENSG00000	SYNJ1	EIEE53|IN	synaptoja	protein-coding
chr22-415	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr22	41518468	41519080	+	0	NA	intron (N	AluSz|SIN	25696	NM_001018	171568	Hs.712617	NM_138338	ENSG00000	POLR3H	RPC22.9|R	RNA polym	protein-coding
chr9-5081	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr9	5081178	5083003	+	0	NA	intron (N	LTR5B|LTR	40397	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr9-5143	6.15391	0.384716	0.931578	0.412972	0.679627	0.981636	chr9	5143748	5145210	+	0	NA	Intergeni	L1PA13|LI	41160	NM_007179	11172	Hs.632648	NM_007179	ENSG00000	INSL6	RIF1	insulin l	protein-coding
chr16-188	7.340555	-0.3649	0.883699	-0.41293	0.679661	0.981636	chr16	18888433	18889151	+	0	NA	intron (N	intron (N	37612	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr1-1542	11.9034	0.283697	0.687092	0.412895	0.679684	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5743	NM_001010	388701	Hs.104967	NM_001010	ENSG00000	C1orf189	-	chromosom	protein-coding

chr1-1603	12.90444	0.271296	0.65769	0.412498	0.679974	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSx|SIN	12213	NM_001098	1314	Hs.162121	NM_004371	ENSG00000	COPA	AILJK|HEF	coatomer	protein-coding
chr1-1828	12.90444	0.271296	0.65769	0.412498	0.679974	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	non-codin	non-codin	-27398	NR_148933	647070	Hs.191518	NR_148933		LOC647070	-	uncharact	ncRNA
chr1-1836	12.90444	0.271296	0.65769	0.412498	0.679974	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MB4|LIN	6032	NM_005717	10092	Hs.518609	NM_005717	ENSG00000	ARPC5	ARC16|dJ1	actin rel	protein-coding
chr19-573	12.90444	0.271296	0.65769	0.412498	0.679974	0.981636	chr19	57327387	57330082	+	0	NA	exon (NM_	exon (NM_	8262	NM_213598	125919	Hs.202544	NM_213598	ENSG00000	ZNF543	-	zinc fing	protein-coding
chr7-9952	12.90444	0.271296	0.65769	0.412498	0.679974	0.981636	chr7	99524144	99533980	+	0	NA	intron (N	intron (N	23052	NM_145111	221786	Hs.596587	NM_145111	ENSG00000	FAM200A	C7orf38	family wi	protein-coding
chr2-1012	7.365979	-0.35768	0.867346	-0.41238	0.680062	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-33	NR_003070	692205	Hs.656503	NR_003070	ENSG00000	SNORD89	HBII-289	small nuc	snoRNA
chr9-4101	13.83613	-0.26287	0.637494	-0.41236	0.680079	0.981636	chr9	41011142	41014048	+	0	NA	intron (N	intron (N	20334	NR_034006	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr1-1179	7.213649	0.357442	0.867219	0.41217	0.680215	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	9276	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr17-619	7.213649	0.357442	0.867219	0.41217	0.680215	0.981636	chr17	61907507	61908265	+	0	NA	intron (N	intron (N	20096	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr17-633	7.213649	0.357442	0.867219	0.41217	0.680215	0.981636	chr17	63393566	63393988	+	0	NA	intron (N	AluSq2|SI	46490	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-2245	7.213649	0.357442	0.867219	0.41217	0.680215	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	Tigger2|D	2877	NM_001257	8452	Hs.372286	NM_003590	ENSG00000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr1-3941	4.171812	-0.46581	1.1304	-0.41207	0.680286	0.981636	chr1	39416669	39418379	+	0	NA	intron (N	intron (N	8451	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr5-1325	4.171812	-0.46581	1.1304	-0.41207	0.680286	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L2|LINE|L	37369	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr12-121	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJo|SIN	-9152	NM_144668	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr14-313	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr14	31331115	31334290	+	0	NA	intron (N	Tigger1|D	87848	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-914	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr14	91466661	91467435	+	0	NA	intron (N	intron (N	42656	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr14-102	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	32791	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-445	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr15	44594190	44595937	+	0	NA	intron (N	AluSz|SIN	57916	NM_003758	8669	Hs.404056	NM_003758	ENSG00000	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr15-636	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr15	63677354	63678006	+	0	NA	intron (N	intron (N	-76853	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-943	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr15	94336183	94337039	+	0	NA	intron (N	intron (N	-19319	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr4-1406	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-18731	NR_077215	644962	Hs.676500	NR_077215		TNRC18P1	-	trinucle	pseudo
chr5-1802	7.221507	0.355267	0.862305	0.411997	0.680342	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-26616	NM_175062	255426	Hs.190559	NM_175062	ENSG00000	RASGEF1C	-	RasGEF do	protein-coding
chr1-1930	12.40785	0.276634	0.671997	0.411659	0.680589	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	L1MB4|LIN	-18387	NM_001350	51377	Hs.145469	NM_015984	ENSG00000	UCHL5	CGI-70|IN	ubiquitin	protein-coding
chr10-679	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr10	67969418	67980533	+	0	NA	intron (N	AluSq2|SI	35908	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr15-412	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr15	41285370	41289048	+	0	NA	intron (N	AluSx|SIN	1867	NR_152821	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr15-928	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr15	92885103	92896004	+	0	NA	intron (N	intron (N	7257	NR_037602	1.01E+08	Hs.622504	NR_037600		LINC01578	-	long inte	ncRNA
chr16-696	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr16	69691142	69693642	+	0	NA	exon (NM_	exon (NM_	16283	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr2-6524	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr2	65240355	65241911	+	0	NA	intron (N	intron (N	13438	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-1890	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	68044	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr5-1135	10.12781	-0.30297	0.736157	-0.41156	0.680661	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	40240	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr8-2333	9.666356	-0.31283	0.760194	-0.41151	0.680695	0.981636	chr8	23333150	23333431	+	0	NA	intron (N	intron (N	-2918	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG00000	LOC100507	-	uncharact	ncRNA
chr13-253	6.444916	-0.38205	0.928871	-0.4113	0.680852	0.981636	chr13	25311474	25311710	+	0	NA	intron (N	AluSq2|SI	9967	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUF	nucleopor	protein-coding
chr17-375	6.444916	-0.38205	0.928871	-0.4113	0.680852	0.981636	chr17	37589553	37589914	+	0	NA	intron (N	AluY|SINE	19685	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chrX-1294	6.444916	-0.38205	0.928871	-0.4113	0.680852	0.981636	chrX	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx1|SI	52694	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr1-3100	10.86123	0.297158	0.722569	0.411251	0.680888	0.981636	chr1	31003532	31003861	+	0	NA	intron (N	AluSq2|SI	-35459	NR_003066	692200		NR_003066		SNORD103C	HBII-251|	small nuc	snoRNA
chr1-2241	12.36671	0.275615	0.670467	0.411078	0.681015	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSx1|SI	18093	NM_015176	23219	Hs.64691	NM_015176	ENSG00000	FBXO28	CENP-30|F	F-box pro	protein-coding
chr7-1026	10.61284	-0.29776	0.724861	-0.41078	0.681233	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	10054	NM_001166	1E+08	Hs.433879	NM_001166	ENSG00000	SPDYE2B	SPDYE2L	speedy/RI	protein-coding
chr20-380	9.212757	-0.32488	0.790993	-0.41072	0.681278	0.981636	chr20	38089854	38090197	+	0	NA	3’ UTR (N	3’ UTR (N	56279	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatic	protein-coding
chr12-121	6.161768	0.382246	0.931638	0.410295	0.68159	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	MLT1A0|LT	6704	NM_001286	64897	Hs.528671	NM_022895	ENSG00000	C12orf43	Custos	chromosom	protein-coding
chr16-718	6.161768	0.382246	0.931638	0.410295	0.68159	0.981636	chr16	71800331	71801677	+	0	NA	intron (N	AluSp|SIN	7830	NM_001030	164	Hs.461253	NM_001128	ENSG00000	AP1G1	ADTG|CLAF	adaptor r	protein-coding
chr2-6079	6.161768	0.382246	0.931638	0.410295	0.68159	0.981636	chr2	60797383	60797809	+	0	NA	3’ UTR (N	3’ UTR (N	41328	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr10-101	6.873091	-0.36778	0.896399	-0.41029	0.681597	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MEf|LIN	106042	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr11-120	6.873091	-0.36778	0.896399	-0.41029	0.681597	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	39112	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr20-636	6.873091	-0.36778	0.896399	-0.41029	0.681597	0.981636	chr20	63667208	63667485	+	0	NA	intron (N	intron (N	9536	NM_032957	51750	Hs.745057	NM_016434	ENSG00000	RTEL1	C20orf41|	regulator	protein-coding
chr1-2797	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr1	27977506	27977799	+	0	NA	intron (N	AluSx4|SI	18190	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr1-8564	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr1	85648485	85651214	+	0	NA	3’ UTR (N	3’ UTR (N	58584	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr10-843	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr10	84383938	84384722	+	0	NA	intron (N	L1PB4|LIN	-40609	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-cc	protein-coding
chr11-671	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr11	67126921	67128363	+	0	NA	intron (N	intron (N	8379	NM_012308	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr12-781	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr12	78118088	78119449	+	0	NA	intron (N	intron (N	240978	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr15-430	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr15	43066580	43067942	+	0	NA	intron (N	intron (N	38777	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-670	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr15	67077300	67077887	+	0	NA	intron (N	L2c|LINE|	11991	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr15-101	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSp|SIN	28846	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr18-923	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr18	9235269	9235677	+	0	NA	intron (N	L1MC5|LIN	97910	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr18-235	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr18	23571410	23571656	+	0	NA	intron (N	AluSz|SIN	14973	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr2-2586	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr2	25869611	25870437	+	0	NA	intron (N	FAM|SINE|	8463	NM_018263	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr2-3319	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr2	33191568	33195651	+	0	NA	intron (N	Tigger1|D	59012	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-3947	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr2	39476992	39477999	+	0	NA	intron (N	intron (N	40079	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-6919	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr2	69197213	69198219	+	0	NA	intron (N	intron (N	94034	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-2161	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-35681	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr3-1122	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr3	11227612	11228543	+	0	NA	intron (N	intron (N	2096	NM_001098	3269	Hs.1570	NM_000861	ENSG00000	HRH1	H1-R|H1R|	histamine	protein-coding
chr3-2390	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr3	23909420	23910022	+	0	NA	intron (N	(AATG)n|S	-6824	NM_001253	6138	Hs.381219	NM_002948	ENSG00000	RPL15	DBA12|EC4	ribosomal	protein-coding
chr3-1364	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	L1PA5|LIN	219265	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-5338	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr4	53386427	53387541	+	0	NA	intron (N	MER107|DN	9331	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr4-1137	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSg|SIN	10099	NM_001321	817	Hs.144114	NM_001221	ENSG00000	CAMK2D	CAMKD	calcium/c	protein-coding
chr4-1476	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21056	NM_018241	55751	Hs.203896	NM_018241	ENSG00000	TMEM184C	TMEM34	transmemb	protein-coding
chr5-7155	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr5	71555554	71558514	+	0	NA	intron (N	intron (N	-30306	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcrc	protein-coding
chr7-7297	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr7	72978540	72979327	+	0	NA	Intergeni	AluSx|SIN	9251	NR_104007	1E+08	Hs.695009	NR_104007		LOC100101	-	FKBP prol	pseudo
chr7-7546	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr7	75462349	75463484	+	0	NA	intron (N	L1MB4|LIN	23383	NR_160303	1E+08	Hs.712563	NM_001099	ENSG00000	POM121C	POM121-2	POM121 tr	protein-coding
chr7-1313	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSp|SIN	5748	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr8-1130	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr8	11307774	11308624	+	0	NA	intron (N	L1MA9|LIN	-22787	NM_054028	83650	Hs.458397	NM_054028	ENSG00000	SLC35G5	AMAC|AMAC	solute ca	protein-coding
chr9-8367	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr9	83679019	83680291	+	0	NA	intron (N	intron (N	-28180	NR_135839	1.05E+08	Hs.9589	NR_135839	ENSG00000	LOC105376	-	uncharact	ncRNA
chr9-1110	6.906372	-0.36263	0.883853	-0.41028	0.681602	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	496	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-969	7.350263	-0.35399	0.863481	-0.40996	0.681834	0.981636	chr12	9695479	9696146	+	0	NA	non-codin	non-codin	26099	NM_001197	29121	Hs.268326	NM_013269	ENSG00000	CLEC2D	CLAX|LLT1	C-type le	protein-coding
chr5-1484	7.350263	-0.35399	0.863481	-0.40996	0.681834	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	18659	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr8-1030	7.350263	-0.35399	0.863481	-0.40996	0.681834	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	44164	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATF	ATPase H+	protein-coding
chr10-354	6.95537	-0.36127	0.88144	-0.40986	0.681907	0.981636	chr10	354070	355661	+	0	NA	intron (N	intron (N	174871	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr11-108	6.95537	-0.36127	0.88144	-0.40986	0.681907	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJb|SIN	8406	NM_001363	143888	Hs.83286	NM_153705	ENSG00000	POGLUT3	KDELC2	protein (	protein-coding
chr6-9954	6.95537	-0.36127	0.88144	-0.40986	0.681907	0.981636	chr6	99542428	99543607	+	0	NA	3’ UTR (N	3’ UTR (N	22023	NM_001195	1E+08	Hs.634506	NM_001195	ENSG00000	TSTD3	-	thiosulfa	protein-coding
chr11-121	6.732777	0.369369	0.901227	0.409851	0.681915	0.981636	chr11	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA6|LIN	-32648	NM_005422	7007	Hs.248162	NM_005422	ENSG00000	TECTA	DFNA12|DF	tectorin	protein-coding
chr12-625	6.732777	0.369369	0.901227	0.409851	0.681915	0.981636	chr12	62512656	62513508	+	0	NA	intron (N	THE1B-int	46256	NM_015026	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr19-361	6.732777	0.369369	0.901227	0.409851	0.681915	0.981636	chr19	36124026	36125937	+	0	NA	intron (N	L1MB7|LIN	9211	NM_001300	1155	Hs.31053	NM_001281	ENSG00000	TBCB	CG22|CKAP	tubulin f	protein-coding
chr7-5906	6.732777	0.369369	0.901227	0.409851	0.681915	0.981636	chr7	59060504	59061285	+	0	NA	Intergeni	ALR/Alpha	1610717	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr16-294	10.59713	-0.29518	0.720243	-0.40983	0.681928	0.981636	chr16	29442017	29446836	+	0	NA	exon (NM_	exon (NM_	2600	NR_135312	1E+08	Hs.552700	NR_135312	ENSG00000	SMG1P6	-	SMG1 pseu	pseudo
chr3-1570	10.59713	-0.29518	0.720243	-0.40983	0.681928	0.981636	chr3	15705968	15708188	+	0	NA	intron (N	intron (N	-9707	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr22-412	5.950177	-0.40988	1.000509	-0.40967	0.682045	0.981636	chr22	41230581	41230810	+	0	NA	3’ UTR (N	3’ UTR (N	10236	NM_138481	150356	Hs.344488	NM_138481	ENSG00000	CHADL	SLRR4B	chondroac	protein-coding
chr1-1202	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	12021805	12025373	+	0	NA	intron (N	AluYc|SIN	4091	NM_021933	60672	Hs.8595	NM_021933	ENSG00000	MIIP	IIP45	migration	protein-coding
chr1-1231	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	12313666	12315175	+	0	NA	intron (N	intron (N	84390	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-2290	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	22908570	22913927	+	0	NA	intron (N	intron (N	-48022	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr1-4361	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	43613261	43614363	+	0	NA	intron (N	intron (N	-36337	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-4600	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	46007201	46009846	+	0	NA	intron (N	intron (N	122150	NM_001328	8503	Hs.655387	NM_003629	ENSG00000	PIK3R3	p55|p55-G	phosphoin	protein-coding
chr1-9171	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	91718948	91720292	+	0	NA	intron (N	intron (N	166531	NR_036634	7049	Hs.482390	NM_003243	ENSG00000	TGFBR3	BGCAN|bet	transform	protein-coding
chr1-1679	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	non-codin	non-codin	-4031	NM_001297	55811	Hs.320892	NM_018417	ENSG00000	ADCY10	HCA2|HEL-	adenylate	protein-coding
chr1-2402	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	119815	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-294	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr10	29472648	29475035	+	0	NA	exon (NM_	exon (NM_	63598	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr10-102	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-45566	NM_001345	81603	Hs.336810	NM_030912	ENSG00000	TRIM8	GERP|RNF2	tripartit	protein-coding
chr10-119	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	9894	NR_110305	119559	Hs.655168	NM_178867	ENSG00000	SFXN4	BCRM1|COX	siderofle	protein-coding
chr11-128	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr11	1288549	1290110	+	0	NA	intron (N	intron (N	13461	NM_001318	54472	Hs.368527	NM_019009	ENSG00000	TOLLIP	IL-1RAcPI	toll inte	protein-coding
chr11-949	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr11	9494840	9495873	+	0	NA	intron (N	AluSx1|SI	34344	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-117	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	48107	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-507	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr12	50737268	50741637	+	0	NA	exon (NM_	exon (NM_	-24649	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr12-109	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	46290	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr12-131	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-40257	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr14-321	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr14	32146183	32149405	+	0	NA	intron (N	(TG)n|Sim	-54251	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr14-101	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	MIR3|SINE	-56841	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-250	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr15	25096816	25098045	+	0	NA	promoter-	promoter-	-232	NR_003339	1E+08		NR_003339	ENSG00000	SNORD116-	HBII-85-2	small nuc	snoRNA
chr15-407	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr15	40742719	40744115	+	0	NA	intron (N	AluSz|SIN	11837	NM_018145	55177	Hs.511067	NM_018145	ENSG00000	RMDN3	FAM82A2|F	regulator	protein-coding
chr15-781	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr15	78169973	78172528	+	0	NA	3’ UTR (N	3’ UTR (N	21888	NM_005530	3419	Hs.591110	NM_005530	ENSG00000	IDH3A	-	isocitrat	protein-coding
chr15-101	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	19404	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr16-136	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr16	1361920	1366629	+	0	NA	TTS (NM_0	TTS (NM_0	12343	NM_032520	84572	Hs.241575	NM_032520	ENSG00000	GNPTG	C16orf27|	N-acetylg	protein-coding
chr16-207	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr16	2079199	2081837	+	0	NA	intron (N	AluY|SINE	9766	NR_030646	1E+08		NR_030646	ENSG00000	MIR1225	MIRN1225	microRNA	ncRNA
chr16-752	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr16	75291571	75293226	+	0	NA	Intergeni	AluJb|SIN	-24391	NM_001170	9564	Hs.479747	NM_014567	ENSG00000	BCAR1	CAS|CAS1|	BCAR1 sca	protein-coding
chr16-842	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr16	84299683	84301894	+	0	NA	intron (N	AluSx|SIN	5910	NM_021197	58189	Hs.36688	NM_021197	ENSG00000	WFDC1	PS20	WAP four-	protein-coding
chr17-790	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr17	7905962	7906920	+	0	NA	TTS (NR_0	TTS (NR_0	318	NR_003000	677763		NR_003000	ENSG00000	SCARNA21	ACA68|SCA	small Ca	ncRNA
chr17-288	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr17	28805132	28806114	+	0	NA	intron (N	AluJb|SIN	6848	NM_001288	55731	Hs.564533	NM_018182	ENSG00000	FAM222B	C17orf63	family wi	protein-coding
chr17-802	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr17	80283197	80283774	+	0	NA	intron (N	intron (N	22633	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr18-218	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr18	21843392	21844775	+	0	NA	intron (N	intron (N	-12677	NR_110369	1.03E+08	Hs.658808	NR_110369	ENSG00000	MIR133A1H	MIR1-2HG	MIR133A1	ncRNA
chr18-552	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr18	55268944	55269567	+	0	NA	intron (N	intron (N	33405	NM_001348	6925	Hs.605153	NM_003199	ENSG00000	TCF4	E2-2|FECD	transcrip	protein-coding
chr19-221	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	2211415	2212392	+	0	NA	intron (N	intron (N	22246	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr19-243	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	2433903	2434793	+	0	NA	TTS (NR_1	TTS (NR_1	652	NR_106958	1.02E+08		NR_106958	ENSG00000	MIR7108	hsa-mir-7	microRNA	ncRNA
chr19-753	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	7537065	7540039	+	0	NA	intron (N	intron (N	2835	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr19-163	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	16383814	16386104	+	0	NA	intron (N	intron (N	60133	NM_016270	10365	Hs.685136	NM_016270	ENSG00000	KLF2	LKLF	Kruppel l	protein-coding
chr19-350	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	35008415	35012798	+	0	NA	intron (N	intron (N	10283	NM_001320	57655	Hs.515351	NM_020895	ENSG00000	GRAMD1A	KIAA1533	GRAM doma	protein-coding
chr19-373	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	37346131	37349962	+	0	NA	intron (N	intron (N	13397	NM_001329	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding

chr19-435	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr19	43540445	43544597	+	0	NA	TTS (NM_0	TTS (NM_0	9333	NM_174945	284346	Hs.213534	NM_174945	ENSG00000	ZNF575	-	zinc fing	protein-coding
chr2-3867	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr2	38678862	38681767	+	0	NA	intron (N	AluJb|SIN	14200	NM_138801	130589	Hs.435012	NM_138801	ENSG00000	GALM	BLOCK25|G	galactose	protein-coding
chr2-6079	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr2	60791449	60792713	+	0	NA	intron (N	intron (N	35813	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr2-2379	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSz|SIN	6922	NM_001278	140739	Hs.471785	NM_080678	ENSG00000	UBE2F	NCE2	ubiquitin	protein-coding
chr20-214	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr20	2144457	2145033	+	0	NA	3’ UTR (N	3’ UTR (N	42918	NM_080836	140901	Hs.100057	NM_080836	ENSG00000	STK35	CLIK1|STK	serine/th	protein-coding
chr20-351	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr20	35138862	35139463	+	0	NA	intron (N	AluSc8|SI	8174	NM_001145	55741	Hs.720177	NM_018217	ENSG00000	EDEM2	C20orf31|	ER degrac	protein-coding
chr21-437	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr21	43795039	43801896	+	0	NA	intron (N	intron (N	8890	NM_003683	8568	Hs.110757	NM_003683	ENSG00000	RRP1	D21S2056E	ribosomal	protein-coding
chr22-499	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr22	49920401	49921631	+	0	NA	intron (N	Tigger3a|	2382	NM_024324	79174	Hs.211282	NM_024324	ENSG00000	CRELD2	-	cysteine	protein-coding
chr22-502	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr22	50222439	50223511	+	0	NA	intron (N	intron (N	21964	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr3-5246	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr3	52463155	52465214	+	0	NA	intron (N	AluSz6|SI	8580	NM_007184	11188	Hs.435290	NM_007184	ENSG00000	NISCH	I-1|IR1|I	nischarin	protein-coding
chr3-1362	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	L1M4|LINE	29791	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-1316	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr4	1316197	1318828	+	0	NA	intron (N	intron (N	7721	NM_001297	10296	Hs.139896	NM_005882	ENSG00000	MAEA	EMLP|EMP|	macrophag	protein-coding
chr4-2716	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr4	2716084	2717594	+	0	NA	intron (N	AluSx1|SI	39497	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr4-5801	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr4	5801725	5803142	+	0	NA	intron (N	MER1A|DNA	85380	NM_001288	1400	Hs.135270	NM_001313	ENSG00000	CRMP1	CRMP-1|DF	collapsin	protein-coding
chr4-5818	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr4	5818380	5821395	+	0	NA	TTS (NM_0	TTS (NM_0	67926	NM_001288	1400	Hs.135270	NM_001313	ENSG00000	CRMP1	CRMP-1|DF	collapsin	protein-coding
chr4-1568	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr4	1.57E+08	1.57E+08	+	0	NA	intron (N	THE1C-int	131466	NR_036641	56034	Hs.570855	NM_016205	ENSG00000	PDGFC	FALLOTEIN	platelet	protein-coding
chr5-3711	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr5	37119306	37119959	+	0	NA	intron (N	AluSp|SIN	-129414	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1769	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-31636	NM_002115	3101	Hs.411695	NM_002115	ENSG00000	HK3	HKIII|HXK	hexokinas	protein-coding
chr6-3868	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr6	38681953	38684266	+	0	NA	intron (N	(AAT)n|Si	20036	NM_006708	2739	Hs.268849	NM_006708	ENSG00000	GLO1	GLOD1|GLY	glyoxalas	protein-coding
chr6-8755	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr6	87552416	87553192	+	0	NA	intron (N	intron (N	37183	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr8-2904	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr8	29048309	29049587	+	0	NA	intron (N	intron (N	157634	NM_001324	79618	Hs.563560	NM_024567	ENSG00000	HMBOX1	HNF1LA|HO	homeobox	protein-coding
chr9-7972	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr9	79727135	79727693	+	0	NA	TTS (NM_0	TTS (NM_0	-97116	NR_121213	1.02E+08	Hs.571630	NR_121212		LINC01507	XLOC_0003	long inte	ncRNA
chr9-9764	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr9	97641334	97642631	+	0	NA	intron (N	intron (N	8161	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCE	nuclear c	protein-coding
chr9-1089	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	MIRb|SINE	26519	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr9-1358	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	88208	NM_015447	157922	Hs.522493	NM_015447	ENSG00000	CAMSAP1	-	calmoduli	protein-coding
chr9-1377	6.699495	0.365458	0.892125	0.409649	0.682063	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	10085	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr1-1112	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr1	11123842	11125111	+	0	NA	intron (N	intron (N	-19422	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr10-103	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	LTR86B1|L	15593	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr14-203	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr14	20369406	20371922	+	0	NA	intron (N	L1ME3|LIN	27050	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr19-240	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr19	24056142	24056825	+	0	NA	intron (N	BSR/Beta|	23034	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr20-506	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr20	50634184	50635152	+	0	NA	intron (N	intron (N	2250	NM_080829	140876	Hs.372578	NM_080829	ENSG00000	RIPOR3	C20orf175	RIPOR fam	protein-coding
chr21-371	7.229365	0.353169	0.862427	0.409506	0.682168	0.981636	chr21	37181354	37181763	+	0	NA	intron (N	intron (N	12368	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr10-608	5.916896	-0.41608	1.016301	-0.40941	0.682242	0.981636	chr10	60878508	60878802	+	0	NA	intron (N	intron (N	65530	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr12-623	4.205094	-0.45725	1.11691	-0.40939	0.682254	0.981636	chr12	62336706	62337650	+	0	NA	TTS (NM_0	TTS (NM_0	76774	NR_147080	9958	Hs.434951	NM_006313	ENSG00000	USP15	UNPH-2|UN	ubiquitin	protein-coding
chr15-409	4.205094	-0.45725	1.11691	-0.40939	0.682254	0.981636	chr15	40975957	40977293	+	0	NA	Intergeni	Intergeni	23154	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr2-2025	4.205094	-0.45725	1.11691	-0.40939	0.682254	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-109886	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr7-1589	4.205094	-0.45725	1.11691	-0.40939	0.682254	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSp|SIN	49978	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SF	WD repeat	protein-coding
chr1-4048	7.391403	-0.35086	0.857306	-0.40926	0.68235	0.981636	chr1	40483852	40484695	+	0	NA	intron (N	AluSx1|SI	6983	NM_001320	339559	Hs.434385	NM_198494	ENSG00000	ZFP69	ZFP69A|ZK	ZFP69 zin	protein-coding
chr9-3249	7.391403	-0.35086	0.857306	-0.40926	0.68235	0.981636	chr9	32498696	32500298	+	0	NA	intron (N	AluSq2|SI	26699	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr16-701	12.37457	0.27438	0.670691	0.409101	0.682466	0.981636	chr16	70121849	70124783	+	0	NA	intron (N	AluJb|SIN	9690	NM_001322	55066	Hs.744043	NM_017990	ENSG00000	PDPR	PDP3	pyruvate	protein-coding
chr2-9514	12.37457	0.27438	0.670691	0.409101	0.682466	0.981636	chr2	95147656	95157613	+	0	NA	intron (N	intron (N	6951	NM_001318	84874	Hs.355664	NM_032788	ENSG00000	ZNF514	-	zinc fing	protein-coding
chr12-105	7.383545	-0.34903	0.853619	-0.40889	0.682624	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MIR|SINE|	5495	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr14-574	7.383545	-0.34903	0.853619	-0.40889	0.682624	0.981636	chr14	57409589	57410147	+	0	NA	3’ UTR (N	3’ UTR (N	19282	NM_001011	122830	Hs.165465	NM_001011	ENSG00000	NAA30	C14orf35|	N(alpha)-	protein-coding
chr21-143	7.383545	-0.34903	0.853619	-0.40889	0.682624	0.981636	chr21	14373739	14375601	+	0	NA	intron (N	intron (N	8476	NM_006948	6782	Hs.352341	NM_006948	ENSG00000	HSPA13	STCH	heat shoc	protein-coding
chr9-1284	7.383545	-0.34903	0.853619	-0.40889	0.682624	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MER103C|D	-22477	NM_001003	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr3-4703	10.17681	-0.3021	0.738902	-0.40885	0.682649	0.981636	chr3	47037397	47038937	+	0	NA	intron (N	intron (N	26625	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr10-943	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr10	94335363	94336694	+	0	NA	intron (N	MER85|DNA	26911	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr11-642	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr11	64261973	64263596	+	0	NA	exon (NM_	exon (NM_	11254	NM_000932	5331	Hs.523761	NM_000932	ENSG00000	PLCB3	-	phospholi	protein-coding
chr13-197	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr13	19758795	19759735	+	0	NA	intron (N	intron (N	23680	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr15-651	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr15	65170030	65171168	+	0	NA	intron (N	AluSx1|SI	14743	NM_006660	10845	Hs.113823	NM_006660	ENSG00000	CLPX	EPP2	caseinoly	protein-coding
chr15-671	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr15	67175872	67177678	+	0	NA	intron (N	intron (N	10620	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr17-756	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr17	75656062	75656564	+	0	NA	intron (N	AluSp|SIN	10062	NM_001162	1E+08	Hs.662541	NM_001162	ENSG00000	SMIM6	C17orf110	small int	protein-coding
chr17-802	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr17	80225805	80226193	+	0	NA	intron (N	intron (N	5572	NM_001166	284129	Hs.4866	NM_173626	ENSG00000	SLC26A11	-	solute ca	protein-coding
chr2-2025	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-81614	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr22-457	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr22	45735008	45735543	+	0	NA	intron (N	intron (N	-25249	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-3735	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr3	37351405	37352264	+	0	NA	intron (N	Tigger1|D	-34435	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr7-1572	6.947512	-0.35942	0.879386	-0.40872	0.682747	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	L1ME4a|LI	-71958	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr2-9261	12.87116	0.269118	0.65861	0.408615	0.682822	0.981636	chr2	92617681	92618734	+	0	NA	Intergeni	ALR/Alpha	677074	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-7320	12.87116	0.269118	0.65861	0.408615	0.682822	0.981636	chr7	73206734	73207620	+	0	NA	non-codin	non-codin	-13462	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr2-7107	7.262646	0.357008	0.87385	0.408546	0.682873	0.981636	chr2	71076626	71077098	+	0	NA	intron (N	intron (N	8214	NM_001330	55577	Hs.7036	NM_017567	ENSG00000	NAGK	GNK|HSA24	N-acetylg	protein-coding
chr15-655	10.16895	-0.30081	0.736467	-0.40845	0.682946	0.981636	chr15	65592914	65593724	+	0	NA	intron (N	intron (N	17812	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr16-303	10.16895	-0.30081	0.736467	-0.40845	0.682946	0.981636	chr16	30304346	30305553	+	0	NA	intron (N	intron (N	30425	NR_002453	595101	Hs.654650	NR_002453	ENSG00000	SMG1P5	-	SMG1 pseu	pseudo
chr18-361	10.16895	-0.30081	0.736467	-0.40845	0.682946	0.981636	chr18	36165269	36166277	+	0	NA	intron (N	AluSx|SIN	21662	NR_134605	1.02E+08	Hs.600673	NR_134605	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-4398	10.16895	-0.30081	0.736467	-0.40845	0.682946	0.981636	chr2	43981999	43982286	+	0	NA	intron (N	AluSz6|SI	13847	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr7-1514	10.18467	-0.30339	0.743622	-0.40799	0.683283	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-25971	NR_131779	155051	Hs.647104	NM_144727	ENSG00000	CRYGN	-	crystalli	protein-coding
chr5-9550	10.08667	-0.30511	0.74811	-0.40784	0.683389	0.981636	chr5	95502584	95503701	+	0	NA	intron (N	intron (N	51863	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr19-365	13.41674	0.264091	0.647592	0.407804	0.683417	0.981636	chr19	36511895	36526409	+	0	NA	intron (N	intron (N	9119	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr19-520	13.41674	0.264091	0.647592	0.407804	0.683417	0.981636	chr19	52032625	52047055	+	0	NA	intron (N	AluSg|SIN	8721	NM_001322	9668	Hs.655934	NM_014650	ENSG00000	ZNF432	-	zinc fing	protein-coding
chr6-3320	13.86941	-0.26032	0.638434	-0.40775	0.683456	0.981636	chr6	33202083	33204335	+	0	NA	intron (N	intron (N	-1446	NM_014234	7923	Hs.415058	NM_014234	ENSG00000	HSD17B8	D6S2245E|	hydroxyst	protein-coding
chr5-3475	10.58927	-0.29392	0.721082	-0.40761	0.683556	0.981636	chr5	34757481	34761746	+	0	NA	intron (N	MER1A|DNA	72054	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr7-1011	10.58927	-0.29392	0.721082	-0.40761	0.683556	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5050	NM_000602	5054	Hs.414795	NM_000602	ENSG00000	SERPINE1	PAI|PAI-1	serpin fa	protein-coding
chr2-3319	10.11995	-0.30162	0.74047	-0.40734	0.68376	0.981636	chr2	33199501	33200929	+	0	NA	intron (N	L1PA3|LIN	65618	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr9-1109	10.11995	-0.30162	0.74047	-0.40734	0.68376	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	Tigger1|D	126440	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr13-196	6.814385	-0.38091	0.935345	-0.40724	0.683831	0.981636	chr13	19652009	19652208	+	0	NA	intron (N	AluSx3|SI	18449	NM_017520	54737	Hs.269654	NM_017520	ENSG00000	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr2-1358	5.698461	0.407867	1.001738	0.40716	0.683891	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	9946	NM_005915	4175	Hs.444118	NM_005915	ENSG00000	MCM6	MCG40308|	minichrom	protein-coding
chr6-3098	5.698461	0.407867	1.001738	0.40716	0.683891	0.981636	chr6	3098878	3099499	+	0	NA	intron (N	intron (N	-19188	NR_026649	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr10-871	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr10	87167891	87168323	+	0	NA	intron (N	L1PA16|LI	-57341	NM_001099	728118	Hs.710565	NM_001099	ENSG00000	NUTM2A	FAM22A	NUT famil	protein-coding
chr12-950	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr12	95063955	95064468	+	0	NA	intron (N	AluSc8|SI	9407	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr15-619	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr15	61908609	61909751	+	0	NA	intron (N	intron (N	151267	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr2-8503	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr2	85039560	85040469	+	0	NA	intron (N	AluSq2|SI	27333	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr4-7313	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr4	73131369	73133141	+	0	NA	intron (N	AluSx|SIN	-62496	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-1395	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (N	AluY|SINE	12859	NM_001306	80854	Hs.480792	NM_030648	ENSG00000	SETD7	KMT7|SET7	SET domai	protein-coding
chr5-1423	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5482	NR_131221	1.01E+08	Hs.684549	NR_131221		SPRY4-IT1	SPRIGHTLY	SPRY4 int	ncRNA
chr6-1166	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	L1PA3|LIN	22970	NM_001010	345895	Hs.160380	NM_001010	ENSG00000	RSPH4A	CILD11|RS	radial sp	protein-coding
chr6-1552	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	MER47A|DN	-8912	NM_001001	49861	Hs.567491	NM_001001	ENSG00000	CLDN20	-	claudin 2	protein-coding
chr7-1276	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	43289	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr7-1571	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	40173	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr8-9933	7.375687	-0.34726	0.853476	-0.40688	0.684095	0.981636	chr8	99336163	99336442	+	0	NA	intron (N	L1PA3|LIN	200428	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr6-1697	11.40681	0.289892	0.712489	0.406871	0.684102	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-7873	NR_026780	80069	Hs.677182	NM_025002	ENSG00000	LINC00574	C6orf208|	long inte	ncRNA
chr18-576	10.16109	-0.29949	0.736265	-0.40677	0.684174	0.981636	chr18	57654259	57656119	+	0	NA	intron (N	intron (N	24858	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr1-1233	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr1	12335125	12335548	+	0	NA	intron (N	AluSz6|SI	105306	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-1791	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24635	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr13-363	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr13	36322980	36323871	+	0	NA	intron (N	L4_A_Mam|	22969	NM_015087	23111	Hs.440414	NM_015087	ENSG00000	SPART	SPG20|TAH	spartin	protein-coding
chr15-813	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr15	81317535	81318565	+	0	NA	intron (N	MIRc|SINE	6091	NR_135013	80765	Hs.513075	NM_030574	ENSG00000	STARD5	-	StAR rela	protein-coding
chr2-1021	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	364	NM_001320	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding
chr22-191	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr22	19136681	19138817	+	0	NA	intron (N	intron (N	6441	NM_053006	23617	Hs.694070	NM_053006	ENSG00000	TSSK2	DGS-G|SPO	testis sp	protein-coding
chr5-3712	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr5	37120912	37121648	+	0	NA	intron (N	intron (N	-127766	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1387	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-30015	NR_134244	1.05E+08	Hs.445981	NR_134244	ENSG00000	LOC105379	-	uncharact	ncRNA
chr8-2810	7.188225	0.351601	0.864897	0.406524	0.684358	0.981636	chr8	28106995	28108774	+	0	NA	intron (N	intron (N	14745	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr1-2847	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr1	28473943	28474856	+	0	NA	intron (N	AluSx|SIN	-31544	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr1-3209	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr1	32091817	32093074	+	0	NA	intron (N	AluJb|SIN	5496	NR_049850	1.01E+08		NR_049850	ENSG00000	MIR5585	-	microRNA	ncRNA
chr1-5403	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr1	54030779	54037048	+	0	NA	intron (N	AluSx|SIN	-15727	NM_001276	388633	Hs.439583	NM_001010	ENSG00000	LDLRAD1	-	low densi	protein-coding
chr1-1145	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	5675	NM_005872	10286	Hs.22960	NM_005872	ENSG00000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr1-1549	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-1660	NM_001321	1.02E+08	Hs.533597	NM_001321726		LOC101928	-	uncharact	protein-coding
chr10-683	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr10	68352504	68353449	+	0	NA	intron (N	HAL1|LINE	-20048	NM_022129	64081	Hs.198158	NM_022129	ENSG00000	PBLD	HEL-S-306	phenazine	protein-coding
chr11-530	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr11	530683	531476	+	0	NA	Intergeni	Intergeni	4488	NM_176795	3265	Hs.37003	NM_005343	ENSG00000	HRAS	C-BAS/HAS	HRas prot	protein-coding
chr11-661	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr11	66193981	66195174	+	0	NA	intron (N	intron (N	-62717	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr12-110	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	68923	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr15-943	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr15	94369319	94376984	+	0	NA	intron (N	intron (N	17221	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr17-532	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr17	5322727	5322926	+	0	NA	intron (N	AluSz6|SI	40542	NM_001291	9135	Hs.584784	NM_004703	ENSG00000	RABEP1	RAB5EP|RA	rabaptin,	protein-coding
chr17-288	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr17	28860033	28860772	+	0	NA	promoter-	promoter-	-969	NR_039876	1.01E+08		NR_039876	ENSG00000	MIR451B	-	microRNA	ncRNA
chr19-206	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr19	20633337	20639736	+	0	NA	intron (N	intron (N	25035	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr2-2747	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr2	27475870	27477550	+	0	NA	exon (NM_	exon (NM_	13033	NM_015662	26160	Hs.127401	NM_015662	ENSG00000	IFT172	BBS20|NPH	intraflag	protein-coding
chr2-3241	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr2	32413600	32418862	+	0	NA	intron (N	intron (N	59203	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-6509	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr2	65094951	65097216	+	0	NA	intron (N	AluSx3|SI	34023	NM_004161	5861	Hs.310645	NM_004161	ENSG00000	RAB1A	RAB1|YPT1	RAB1A, me	protein-coding
chr3-1502	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr3	15023411	15024869	+	0	NA	exon (NM_	exon (NM_	41175	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr3-1224	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	MER11B|LT	28268	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr3-1424	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	27210	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr4-8478	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr4	84786335	84787298	+	0	NA	intron (N	MIR|SINE|	-178800	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr5-1770	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	non-codin	non-codin	-21692	NM_002011	2264	Hs.165950	NM_002011	ENSG00000	FGFR4	CD334|JTK	fibroblas	protein-coding
chr6-3154	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr6	31549326	31550738	+	0	NA	intron (N	AluSg|SIN	2424	NM_001144	4795	Hs.2764	NM_005007	ENSG00000	NFKBIL1	IKBL|NFKB	NFKB inhi	protein-coding
chr6-4354	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr6	43544601	43546379	+	0	NA	intron (N	AluSz6|SI	28401	NM_001363	9533	Hs.743509	NM_004875	ENSG00000	POLR1C	AC40|HLD1	RNA polym	protein-coding
chr6-1585	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	L3|LINE|C	-17956	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA

chr7-9248	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr7	92487810	92489204	+	0	NA	intron (N	Charlie23	-10561	NM_001130	30816		NM_014590	ENSG00000	ERVW-1	ENV|ENVW|	endogenou	protein-coding
chr7-1123	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	-102124	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interfero	protein-coding
chr9-5113	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr9	5113828	5114309	+	0	NA	intron (N	intron (N	71571	NM_007179	11172	Hs.632648	NM_007179	ENSG00000	INSL6	RIF1	insulin l	protein-coding
chr9-3397	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr9	33970922	33972229	+	0	NA	intron (N	intron (N	-18721	NR_003685	1E+08		NR_003685	ENSG00000	SNORD121A	-	small nuc	snoRNA
chr9-1015	7.196083	0.349472	0.859992	0.406367	0.684473	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	28023	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr6-1339	9.658498	-0.31131	0.766124	-0.40635	0.684489	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	31771	NM_004865	9519	Hs.486507	NM_004865	ENSG00000	TBPL1	MGC:8389|	TATA-box	protein-coding
chr2-7141	7.342405	-0.35227	0.866926	-0.40634	0.684491	0.981636	chr2	71412438	71412996	+	0	NA	intron (N	L1HS|LINE	-40844	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LC	dysferlin	protein-coding
chr14-673	11.87798	0.280026	0.689221	0.406293	0.684527	0.981636	chr14	67321258	67321470	+	0	NA	intron (N	intron (N	38440	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VA1	ATPase H+	protein-coding
chr2-9219	12.92015	0.268925	0.662202	0.406108	0.684663	0.981636	chr2	92198845	92200155	+	0	NA	Intergeni	ALR/Alpha	258367	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-108	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	80970	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr16-120	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr16	12052331	12052866	+	0	NA	intron (N	intron (N	75864	NM_032167	92017	Hs.458401	NM_032167	ENSG00000	SNX29	A-388D4.1	sorting r	protein-coding
chr2-1343	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	88187	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GN1	alpha-1,6	protein-coding
chr22-402	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr22	40278637	40279019	+	0	NA	intron (N	AluSz|SIN	-67672	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr7-7485	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr7	74857639	74858663	+	0	NA	Intergeni	L1MB4|LIN	-6575	NM_001281	84163	Hs.647017	NM_173537	ENSG00000	GTF2IRD2	FP630|GTF	GTF2I rep	protein-coding
chr8-9706	6.658356	0.363781	0.895884	0.406058	0.6847	0.981636	chr8	9706432	9707509	+	0	NA	exon (NM_	exon (NM_	-34702	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr12-458	6.202907	0.38378	0.945152	0.406051	0.684705	0.981636	chr12	45874160	45875192	+	0	NA	intron (N	Tigger1|D	115898	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr18-549	12.38243	0.273127	0.67307	0.405792	0.684895	0.981636	chr18	54924912	54927104	+	0	NA	intron (N	MamRep187	32040	NM_001143	80323	Hs.120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-co	protein-coding
chr12-543	10.63041	-0.29187	0.7193	-0.40577	0.684908	0.981636	chr12	54394013	54411130	+	0	NA	intron (N	AluSg7|SI	-11273	NM_001130	25946	Hs.505653	NM_015481	ENSG00000	ZNF385A	HZF|RZF|Z	zinc fing	protein-coding
chr5-1285	10.63041	-0.29187	0.7193	-0.40577	0.684908	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	2594	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr6-3620	10.63041	-0.29187	0.7193	-0.40577	0.684908	0.981636	chr6	36201054	36201880	+	0	NA	exon (NM_	exon (NM_	4723	NM_015695	27154	Hs.520096	NM_015695	ENSG00000	BRPF3	-	bromodoma	protein-coding
chr7-1349	10.63041	-0.29187	0.7193	-0.40577	0.684908	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-24692	NR_160299	340351	Hs.648616	NM_178563	ENSG00000	AGBL3	CCP3	ATP/GTP b	protein-coding
chr1-8388	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr1	8388365	8390369	+	0	NA	intron (N	intron (N	34465	NM_001042	473	Hs.463041	NM_012102	ENSG00000	RERE	ARG|ARP|A	arginine-	protein-coding
chr1-5396	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr1	53965173	53966864	+	0	NA	intron (N	intron (N	19668	NM_001256	115353	Hs.40094	NM_052940	ENSG00000	LRRC42	dJ167A19.	leucine r	protein-coding
chr1-1137	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-15135	NM_001323	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr12-486	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr12	48678565	48679005	+	0	NA	intron (N	intron (N	3453	NM_017822	54934	Hs.505412	NM_017822	ENSG00000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr12-122	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx|SIN	26193	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr15-422	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr15	42229502	42229912	+	0	NA	intron (N	intron (N	-21403	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr16-697	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr16	69787446	69788122	+	0	NA	intron (N	L2a|LINE|	25452	NM_007014	11060	Hs.408458	NM_007014	ENSG00000	WWP2	AIP2|WWp2	WW domain	protein-coding
chr2-2721	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr2	27219003	27219341	+	0	NA	intron (N	intron (N	1782	NM_001306	790	Hs.377010	NM_004341	ENSG00000	CAD	CDG1Z|EIE	carbamoyl	protein-coding
chr22-328	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr22	32859484	32862143	+	0	NA	3’ UTR (N	3’ UTR (N	59997	NM_000362	7078	Hs.644633	NM_000362	ENSG00000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr4-1187	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	46108	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr7-2332	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr7	23321380	23322118	+	0	NA	intron (N	L1PA3|LIN	22410	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr8-2301	6.939654	-0.35752	0.881191	-0.40572	0.684948	0.981636	chr8	23012818	23013940	+	0	NA	intron (N	L1ME3B|LI	13800	NM_015178	23221	Hs.372688	NM_015178	ENSG00000	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr14-751	10.63827	-0.29315	0.722658	-0.40565	0.684998	0.981636	chr14	75133753	75135735	+	0	NA	3’ UTR (N	3’ UTR (N	-7696	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr16-317	10.90237	0.298063	0.735002	0.405527	0.68509	0.981636	chr16	31723534	31723821	+	0	NA	intron (N	intron (N	10448	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr6-9654	5.616182	0.404283	0.997624	0.405246	0.685297	0.981636	chr6	96540436	96540892	+	0	NA	intron (N	intron (N	18858	NM_015323	23376	Hs.149367	NM_015323	ENSG00000	UFL1	KIAA0776|	UFM1 spec	protein-coding
chr6-3218	10.86909	0.295575	0.729629	0.405103	0.685402	0.981636	chr6	32187876	32188075	+	0	NA	exon (NM_	exon (NM_	2227	NM_002586	5089	Hs.509545	NM_002586	ENSG00000	PBX2	G17|HOX12	PBX homec	protein-coding
chr1-1119	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr1	11197034	11199714	+	0	NA	intron (N	intron (N	9019	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr10-919	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr10	91966806	91968160	+	0	NA	intron (N	intron (N	43713	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF	B-TFIID T	protein-coding
chr11-782	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr11	78206024	78206251	+	0	NA	intron (N	intron (N	17218	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitir	protein-coding
chr14-306	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr14	30673799	30675751	+	0	NA	intron (N	intron (N	52456	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-449	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr14	44939957	44941969	+	0	NA	intron (N	AluSg|SIN	20522	NM_001308	54813	Hs.550906	NM_017658	ENSG00000	KLHL28	BTBD5	kelch lik	protein-coding
chr16-700	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr16	70009488	70013931	+	0	NA	intron (N	intron (N	-18637	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr16-874	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr16	87409770	87411845	+	0	NA	intron (N	MER5B|DNA	18471	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr17-549	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr17	54958383	54961581	+	0	NA	intron (N	intron (N	8672	NR_135677	1353	Hs.591171	NM_004375	ENSG00000	COX11	COX11P	cytochrom	protein-coding
chr17-767	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr17	76768936	76771438	+	0	NA	intron (N	AluY|SINE	-28857	NR_110837	1.02E+08	Hs.617206	NR_110837	ENSG00000	LINC02080	-	long inte	ncRNA
chr18-488	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr18	48816709	48820076	+	0	NA	intron (N	L2|LINE|L	124415	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr19-489	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr19	48990366	48991200	+	0	NA	intron (N	intron (N	2526	NM_002103	2997	Hs.386225	NM_002103	ENSG00000	GYS1	GSY|GYS	glycogen	protein-coding
chr2-1912	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	MIR|SINE|	38135	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr20-334	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr20	3345760	3348525	+	0	NA	intron (N	L1MEc|LIN	60520	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr20-252	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr20	25284280	25285472	+	0	NA	intron (N	MamRep115	36791	NM_002862	5834	Hs.368157	NM_002862	ENSG00000	PYGB	GPBB	glycogen	protein-coding
chr20-636	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr20	63614491	63615111	+	0	NA	intron (N	LTR13|LTF	12300	NM_012384	26205	Hs.473286	NM_012384	ENSG00000	GMEB2	GMEB-2|P7	glucocort	protein-coding
chr22-240	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr22	24070582	24071630	+	0	NA	intron (N	intron (N	59736	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr6-3745	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr6	37458615	37459224	+	0	NA	intron (N	intron (N	25698	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr7-1283	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	23452	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr8-1335	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	44129	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-3742	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr9	37427894	37430957	+	0	NA	intron (N	intron (N	6729	NM_012203	9380	Hs.155742	NM_012203	ENSG00000	GRHPR	GLXR|GLYD	glyoxylat	protein-coding
chr9-1326	6.666214	0.361536	0.893013	0.40485	0.685588	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	35256	NM_020064	56751	Hs.283809	NM_020064	ENSG00000	BARHL1	-	BarH like	protein-coding
chr19-572	12.88687	0.266745	0.659064	0.404733	0.685674	0.981636	chr19	57209768	57213545	+	0	NA	exon (NM_	exon (NM_	-19367	NM_001015	6795	Hs.98338	NM_003160	ENSG00000	AURKC	AIE2|AIK3	aurora ki	protein-coding
chr1-2237	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	33438	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr10-740	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr10	74092094	74110233	+	0	NA	intron (N	intron (N	49665	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr14-673	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr14	67364764	67368410	+	0	NA	intron (N	L1ME4b|LI	6259	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr14-688	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr14	68885399	68891155	+	0	NA	intron (N	intron (N	91025	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr4-7701	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr4	77017485	77021585	+	0	NA	intron (N	intron (N	55375	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr5-1675	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr5	16754596	16772464	+	0	NA	exon (NM_	exon (NM_	-146472	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-6605	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr5	66050624	66052004	+	0	NA	intron (N	intron (N	-92986	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr9-2773	10.62255	-0.29061	0.71805	-0.40473	0.685679	0.981636	chr9	2773033	2778694	+	0	NA	Intergeni	AluSz|SIN	58353	NM_133497	169522	Hs.622675	NM_133497	ENSG00000	KCNV2	KV11.1|Kv	potassium	protein-coding
chr5-4835	13.4246	0.262955	0.649728	0.404716	0.685687	0.981636	chr5	48356698	48357775	+	0	NA	Intergeni	ALR/Alpha	2084052	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-504	7.237223	0.3511	0.867587	0.404686	0.685708	0.981636	chr10	50459435	50460748	+	0	NA	intron (N	intron (N	163865	NM_147156	259230	Hs.654698	NM_147156	ENSG00000	SGMS1	MOB|MOB1|	sphingomy	protein-coding
chr14-776	6.169625	0.379644	0.938403	0.404564	0.685798	0.981636	chr14	77693433	77694017	+	0	NA	intron (N	AluSx1|SI	14298	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homc	protein-coding
chr16-873	6.169625	0.379644	0.938403	0.404564	0.685798	0.981636	chr16	87330309	87331535	+	0	NA	3’ UTR (N	3’ UTR (N	13413	NR_135180	1.02E+08	Hs.667450	NR_135180	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-808	6.169625	0.379644	0.938403	0.404564	0.685798	0.981636	chr17	80846814	80847144	+	0	NA	intron (N	intron (N	-41347	NR_110852	1.02E+08	Hs.670692	NR_110852	ENSG00000	LOC101928	-	uncharact	ncRNA
chr3-5786	6.169625	0.379644	0.938403	0.404564	0.685798	0.981636	chr3	57862132	57863045	+	0	NA	intron (N	AluSc|SIN	-27326	NM_001311	7871	Hs.476432	NM_007159	ENSG00000	SLMAP	SLAP	sarcolemm	protein-coding
chr7-1118	6.169625	0.379644	0.938403	0.404564	0.685798	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	92217	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr5-3888	10.64612	-0.29445	0.728194	-0.40435	0.685952	0.981636	chr5	38888054	38888343	+	0	NA	intron (N	LTR9B|LTF	42186	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr2-2075	7.180367	0.35382	0.875236	0.404257	0.686024	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	non-codin	non-codin	27903	NM_145280	151194	Hs.664764	NM_145280	ENSG00000	METTL21A	FAM119A|M	methyltra	protein-coding
chr3-1701	7.180367	0.35382	0.875236	0.404257	0.686024	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx1|SI	24972	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomec	protein-coding
chr1-1090	10.58141	-0.29268	0.724037	-0.40423	0.686046	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	5083	NM_005645	6884	Hs.632426	NM_005645	ENSG00000	TAF13	MRT60|TAF	TATA-box	protein-coding
chr11-870	7.725953	0.339181	0.839702	0.40393	0.686264	0.981636	chr11	8703196	8704402	+	0	NA	intron (N	intron (N	18360	NR_002977	677826	Hs.745552	NR_002977	ENSG00000	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr4-8414	7.725953	0.339181	0.839702	0.40393	0.686264	0.981636	chr4	8414526	8414994	+	0	NA	intron (N	intron (N	25963	NM_003501	8310	Hs.479122	NM_003501	ENSG00000	ACOX3	-	acyl-CoA	protein-coding
chr1-3348	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr1	33484769	33486313	+	0	NA	intron (N	AluJb|SIN	12896	NM_145238	7579	Hs.442705	NM_145238	ENSG00000	ZSCAN20	KOX29|ZFP	zinc fing	protein-coding
chr1-3543	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr1	35439351	35440909	+	0	NA	intron (N	intron (N	-74053	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-9450	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr1	94502124	94503315	+	0	NA	intron (N	AluSz|SIN	39040	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-2064	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	L1MC4a|LI	-37929	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr10-121	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr10	12100421	12102003	+	0	NA	intron (N	intron (N	-28429	NR_024576	55176	Hs.112955	NM_018144	ENSG00000	SEC61A2	-	SEC61 tra	protein-coding
chr10-503	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr10	50308835	50311895	+	0	NA	intron (N	intron (N	-61755	NM_001143	56624	Hs.512645	NM_019893	ENSG00000	ASAH2	BCDase|HN	N-acylsph	protein-coding
chr10-974	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr10	97436037	97441266	+	0	NA	intron (N	intron (N	7355	NR_134587	51013	Hs.632089	NM_016046	ENSG00000	EXOSC1	CGI-108|C	exosome c	protein-coding
chr11-779	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr11	77954456	77956428	+	0	NA	intron (N	intron (N	39226	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTC	integratc	protein-coding
chr11-948	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr11	94853291	94861645	+	0	NA	intron (N	intron (N	89112	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr13-483	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr13	48307662	48308449	+	0	NA	intron (N	intron (N	4308	NM_000321	5925	Hs.408528	NM_000321	ENSG00000	RB1	OSRC|PPP1	RB transc	protein-coding
chr13-950	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr13	95030088	95031755	+	0	NA	intron (N	intron (N	70880	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr14-242	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr14	24205731	24210307	+	0	NA	exon (NM_	exon (NM_	2323	NM_174944	283629	Hs.314432	NM_174944	ENSG00000	TSSK4	C14orf20|	testis sp	protein-coding
chr14-583	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr14	58365919	58367241	+	0	NA	intron (N	intron (N	-29350	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr15-505	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr15	50585477	50586739	+	0	NA	intron (N	intron (N	-39442	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitir	protein-coding
chr16-145	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	14587914	14593055	+	0	NA	intron (N	AluSx1|SI	39776	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr16-148	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	14865139	14867712	+	0	NA	intron (N	(TATATG)r	32704	NM_014287	23420	Hs.743963	NM_014287	ENSG00000	NOMO1	Nomo|PM5	NODAL moc	protein-coding
chr16-252	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	25243178	25243924	+	0	NA	intron (N	AluSx1|SI	14294	NM_001012	342357	Hs.513451	NM_001012	ENSG00000	ZKSCAN2	ZNF694|ZS	zinc fing	protein-coding
chr16-577	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	57768157	57769081	+	0	NA	intron (N	intron (N	3733	NR_106830	1.02E+08		NR_106830	ENSG00000	MIR6772	hsa-mir-6	microRNA	ncRNA
chr16-874	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	87421379	87423992	+	0	NA	intron (N	AluSx|SIN	30349	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr16-895	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr16	89544345	89557145	+	0	NA	intron (N	intron (N	-9912	NM_001243	6137	Hs.410817	NM_000977	ENSG00000	RPL13	BBC1|D16S	ribosomal	protein-coding
chr17-154	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr17	1546327	1553250	+	0	NA	intron (N	AluSx|SIN	13004	NM_006224	5306	Hs.429819	NM_006224	ENSG00000	PITPNA	HEL-S-36|	phosphati	protein-coding
chr17-404	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr17	4040499	4041471	+	0	NA	intron (N	intron (N	63882	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-636	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr17	63603386	63608087	+	0	NA	intron (N	intron (N	4841	NM_016360	51204	Hs.174134	NM_016360	ENSG00000	TACO1	CCDC44	translati	protein-coding
chr18-797	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr18	79724137	79725903	+	0	NA	intron (N	L1MD1|LIN	43590	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCF	CTD phosp	protein-coding
chr2-3723	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	37237966	37239265	+	0	NA	intron (N	intron (N	6957	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|M	NADH:ubic	protein-coding
chr2-3885	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	38853452	38855928	+	0	NA	intron (N	AluSp|SIN	21244	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr2-3898	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	38984716	38988176	+	0	NA	intron (N	intron (N	-26102	NR_028386	375196	Hs.659035	NR_028386	ENSG00000	LOC375196	-	uncharact	ncRNA
chr2-1613	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	-45324	NM_006593	10716	Hs.210862	NM_006593	ENSG00000	TBR1	IDDAS|TBF	T-box bra	protein-coding
chr2-2133	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	2.13E+08	2.13E+08	+	0	NA	intron (N	L1MA3|LIN	20120	NM_024532	79582	Hs.743365	NM_024532	ENSG00000	SPAG16	PF20|WDR2	sperm ass	protein-coding
chr2-2186	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	-18191	NM_014640	9654	Hs.471405	NM_014640	ENSG00000	TTLL4	-	tubulin t	protein-coding
chr20-233	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr20	23393616	23394908	+	0	NA	intron (N	L2a|LINE|	27226	NR_104266	63908	Hs.269471	NM_022080	ENSG00000	NAPB	SNAP-BETA	NSF attac	protein-coding
chr20-349	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr20	34930856	34932622	+	0	NA	intron (N	intron (N	23896	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathic	protein-coding
chr22-404	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr22	40405858	40407318	+	0	NA	exon (NM_	exon (NM_	35994	NM_001350	27352	Hs.474914	NM_015705	ENSG00000	SGSM3	CIP85|MAF	small G p	protein-coding
chr3-9788	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr3	9788797	9790505	+	0	NA	intron (N	intron (N	-2844	NM_001024	10093	Hs.323342	NM_005718	ENSG00000	ARPC4	ARC20|P2C	actin rel	protein-coding
chr3-1649	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr3	16491437	16493453	+	0	NA	intron (N	MIRb|SINE	21254	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr3-3714	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr3	37142973	37143873	+	0	NA	intron (N	intron (N	31159	NM_006309	9209	Hs.740522	NM_006309	ENSG00000	LRRFIP2	HUFI-2	LRR bindi	protein-coding
chr3-5265	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr3	52652701	52654673	+	0	NA	intron (N	AluSg|SIN	31912	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromc	protein-coding
chr4-8882	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr4	888257	890283	+	0	NA	intron (N	intron (N	43046	NM_005255	2580	Hs.369607	NM_005255	ENSG00000	GAK	DNAJ26|DN	cyclin G	protein-coding
chr5-4191	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr5	41913083	41913989	+	0	NA	intron (N	MIRb|SINE	9192	NM_175921	285636	Hs.29899	NM_175921	ENSG00000	C5orf51	-	chromosom	protein-coding
chr5-1228	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-15473	NR_146145	28966	Hs.483200	NM_014035	ENSG00000	SNX24	PRO1284|S	sorting r	protein-coding
chr5-1345	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	14785	NM_015288	23338	Hs.732155	NM_015288	ENSG00000	JADE2	JADE-2|PH	jade fami	protein-coding
chr5-1719	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	46677	NM_033644	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTF	F-box anc	protein-coding
chr6-3610	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr6	36101681	36104963	+	0	NA	TTS (NM_1	TTS (NM_1	-27191	NR_072996	5603	Hs.178695	NM_002754	ENSG00000	MAPK13	MAPK 13|M	mitogen-a	protein-coding

chr6-8761	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr6	87611266	87613862	+	0	NA	intron (N	intron (N	22497	NM_012381	23595	Hs.410228	NM_012381	ENSG00000	ORC3	LAT|LATHE	origin re	protein-coding
chr6-1053	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	50949	NM_002726	5550	Hs.436564	NM_002726	ENSG00000	PREP	PE|PEP	prolyl er	protein-coding
chr7-5910	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr7	5910169	5912094	+	0	NA	intron (N	intron (N	12398	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr7-1012	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSx1|SI	6481	NM_001084	8985	Hs.153357	NM_001084	ENSG00000	PLOD3	LH3	procollag	protein-coding
chr9-1288	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-14584	NM_004435	2021	Hs.745161	NM_004435	ENSG00000	ENDOG	-	endonucle	protein-coding
chr9-1323	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx3|SI	17405	NR_134525	7270	Hs.54780	NM_007344	ENSG00000	TTF1	TTF-1|TTF	transcrip	protein-coding
chrX-1669	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chrX	16692955	16693349	+	0	NA	exon (NM_	exon (NM_	19065	NM_001144	56474	Hs.227049	NM_019857	ENSG00000	CTPS2	-	CTP synth	protein-coding
chrX-4068	7.203941	0.347381	0.860114	0.403879	0.686302	0.981636	chrX	40688336	40688673	+	0	NA	exon (NM_	exon (NM_	-40943	NM_001330	159013	Hs.495961	NM_144970	ENSG00000	CXorf38	-	chromosom	protein-coding
chr6-1496	10.15324	-0.29815	0.738298	-0.40383	0.686337	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	non-codin	non-codin	-13058	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr12-114	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr12	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	8991	NM_016569	6926	Hs.744016	NM_005996	ENSG00000	TBX3	TBX3-ISO|	T-box tra	protein-coding
chr15-558	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr15	55830179	55831075	+	0	NA	intron (N	intron (N	86504	NM_001284	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|	NEDD4 E3	protein-coding
chr16-109	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr16	10927478	10928903	+	0	NA	TTS (NM_0	TTS (NM_0	14278	NM_014015	28955	Hs.592051	NM_014015	ENSG00000	DEXI	MYLE	Dexi homo	protein-coding
chr18-585	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr18	58500417	58502959	+	0	NA	intron (N	MIRb|SINE	-50536	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr2-2327	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSx1|SI	-20215	NM_001172	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr4-1683	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	79974	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-7825	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr5	78259010	78260062	+	0	NA	intron (N	L1MA1|LIN	35162	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr9-1334	7.416826	-0.34427	0.852675	-0.40376	0.68639	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-6448	NR_024514	11093	Hs.131433	NM_139025	ENSG00000	ADAMTS13	ADAM-TS13	ADAM meta	protein-coding
chr1-1126	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	10871	NM_001042	389	Hs.502659	NM_175744	ENSG00000	RHOC	ARH9|ARHC	ras homol	protein-coding
chr10-501	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr10	50112863	50113157	+	0	NA	intron (N	L1MB7|LIN	45056	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr14-739	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr14	73913091	73913538	+	0	NA	intron (N	LTR61|LTR	26455	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding
chr17-822	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr17	8229129	8229453	+	0	NA	intron (N	intron (N	-5248	NR_026951	284029	Hs.121692	NM_173621	ENSG00000	LINC00324	C17orf44|	long inte	ncRNA
chr17-423	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr17	42380741	42380940	+	0	NA	intron (N	AluJb|SIN	7602	NM_001369	6774	Hs.463059	NM_003150	ENSG00000	STAT3	ADMIO|ADM	signal tr	protein-coding
chr2-1799	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	37251	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr22-363	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr22	36359450	36359886	+	0	NA	intron (N	intron (N	28399	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr3-1326	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA7|LIN	14962	NM_178445	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr4-4757	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr4	47578267	47578913	+	0	NA	intron (N	intron (N	-74079	NR_107020	1.02E+08		NR_107020	ENSG00000	MIR8053	hsa-mir-8	microRNA	ncRNA
chr5-1494	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	51330	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr5-1542	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	MIR|SINE|	-48536	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr8-1191	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-40569	NR_134297	1.02E+08	Hs.676598	NR_134297	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-1298	6.898514	-0.36064	0.893856	-0.40346	0.686607	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20025	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr1-2467	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr1	24673882	24677432	+	0	NA	Intergeni	L2|LINE|L	32078	NM_001366	10250	Hs.18192	NM_005839	ENSG00000	SRRM1	160-KD|PC	serine ar	protein-coding
chr1-3269	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr1	32691253	32692409	+	0	NA	intron (N	MER33|DNA	10939	NM_001161	81493	Hs.712631	NM_030786	ENSG00000	SYNC	SYNC1|SYN	syncoilin	protein-coding
chr1-3335	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr1	33358961	33359804	+	0	NA	intron (N	intron (N	9030	NR_125978	1.02E+08	Hs.568627	NR_125978	ENSG00000	LOC101929	-	uncharact	ncRNA
chr1-5193	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr1	51939461	51945109	+	0	NA	intron (N	intron (N	48415	NM_002867	5865	Hs.123072	NM_002867	ENSG00000	RAB3B	-	RAB3B, me	protein-coding
chr10-125	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	50156	NM_001321	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-566	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr11	5668593	5670762	+	0	NA	intron (N	intron (N	15397	NM_033093	85363	Hs.125300	NM_033034	ENSG00000	TRIM5	RNF88|TRI	tripartit	protein-coding
chr16-845	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr16	84563710	84569667	+	0	NA	3’ UTR (N	3’ UTR (N	51390	NM_021149	23406	Hs.289092	NM_021149	ENSG00000	COTL1	CLP	coactosin	protein-coding
chr17-365	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr17	36571792	36573526	+	0	NA	intron (N	AluJb|SIN	-19220	NM_024308	79154	Hs.462859	NM_024308	ENSG00000	DHRS11	ARPG836|S	dehydroge	protein-coding
chr17-742	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr17	74206491	74207149	+	0	NA	intron (N	AluY|SINE	3142	NM_001035	6169	Hs.380953	NM_000999	ENSG00000	RPL38	L38	ribosomal	protein-coding
chr17-772	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr17	77214888	77218463	+	0	NA	3’ UTR (N	3’ UTR (N	31462	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr19-172	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr19	17204086	17209748	+	0	NA	intron (N	intron (N	-8440	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-481	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr19	48188049	48189482	+	0	NA	intron (N	AluY|SINE	18085	NM_199341	374920	Hs.664054	NM_199341	ENSG00000	ZSWIM9	C19orf68	zinc fing	protein-coding
chr2-9519	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr2	9519165	9522523	+	0	NA	intron (N	AluSp|SIN	34986	NM_003183	6868	Hs.404914	NM_003183	ENSG00000	ADAM17	ADAM18|CD	ADAM meta	protein-coding
chr2-1562	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr2	15620935	15633854	+	0	NA	intron (N	intron (N	35526	NM_004939	1653	Hs.440599	NM_004939	ENSG00000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-1327	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-110282	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr20-380	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr20	3800748	3806470	+	0	NA	intron (N	intron (N	3547	NM_001287	994	Hs.153752	NM_004358	ENSG00000	CDC25B	-	cell divi	protein-coding
chr21-255	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr21	25596295	25597355	+	0	NA	intron (N	Tigger19a	10664	NM_017446	54148	Hs.420696	NM_017446	ENSG00000	MRPL39	C21orf92|	mitochond	protein-coding
chr3-4772	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr3	47728161	47728966	+	0	NA	intron (N	L1M5|LINE	53330	NM_003074	6599	Hs.476179	NM_003074	ENSG00000	SMARCC1	BAF155|CR	SWI/SNF r	protein-coding
chr3-1723	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	76566	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr6-7608	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr6	7608321	7609169	+	0	NA	intron (N	intron (N	18547	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr6-5253	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr6	52533531	52535868	+	0	NA	intron (N	Charlie8|	42361	NM_012288	9697	Hs.520182	NM_012288	ENSG00000	TRAM2	-	transloca	protein-coding
chr8-1802	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr8	18029853	18030559	+	0	NA	TTS (NM_0	TTS (NM_0	52990	NM_001363	427	Hs.527412	NM_004315	ENSG00000	ASAH1	AC|ACDase	N-acylsph	protein-coding
chr8-3078	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr8	30784343	30787719	+	0	NA	3’ UTR (N	3’ UTR (N	26787	NM_001009	5516	Hs.491440	NM_004156	ENSG00000	PPP2CB	PP2Abeta|	protein p	protein-coding
chr8-6157	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chr8	61573852	61578077	+	0	NA	intron (N	MER74B|LT	113847	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chrX-5189	7.408968	-0.3425	0.849006	-0.40341	0.686647	0.981636	chrX	51896052	51896831	+	0	NA	exon (NM_	exon (NM_	2818	NM_001005	9500	Hs.5258	NM_006986	ENSG00000	MAGED1	DLXIN-1|N	MAGE fami	protein-coding
chr18-801	9.819056	0.312901	0.775867	0.403292	0.686733	0.981636	chr18	80137710	80138350	+	0	NA	exon (NM_	exon (NM_	-9894	NR_028339	1E+08	Hs.352602	NM_001145	ENSG00000	PARD6G-AS	-	PARD6G ar	ncRNA
chr11-863	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr11	86315321	86316036	+	0	NA	intron (N	L1MEd|LIN	13438	NM_001322	51501	Hs.283322	NM_016401	ENSG00000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr17-863	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr17	863383	864106	+	0	NA	intron (N	AluJo|SIN	367	NM_001205	64359	Hs.527989	NM_022463	ENSG00000	NXN	NRX|TRG-4	nucleored	protein-coding
chr2-7307	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr2	73075071	73075396	+	0	NA	3’ UTR (N	3’ UTR (N	-3397	NM_144579	94097	Hs.368171	NM_144579	ENSG00000	SFXN5	BBG-TCC|S	siderofle	protein-coding
chr20-347	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr20	34745025	34746661	+	0	NA	intron (N	intron (N	36561	NM_001242	23054	Hs.368971	NM_014071	ENSG00000	NCOA6	AIB3|ASC2	nuclear r	protein-coding
chr6-4761	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr6	47619308	47619767	+	0	NA	intron (N	L1PB1|LIN	-36935	NM_153839	222611	Hs.724860	NM_153839	ENSG00000	ADGRF2	GPR111|PC	adhesion	protein-coding
chr9-1363	7.367829	-0.34553	0.85688	-0.40324	0.686774	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	4807	NM_015597	26086	Hs.239370	NM_015597	ENSG00000	GPSM1	AGS3	G protein	protein-coding
chr12-421	7.718095	0.34129	0.846426	0.403213	0.686792	0.981636	chr12	42160266	42160791	+	0	NA	non-codin	non-codin	-15654	NM_001099	283464	Hs.259347	NM_173601	ENSG00000	GXYLT1	GLT8D3	glucoside	protein-coding
chr1-1831	13.39132	0.260835	0.646895	0.403211	0.686793	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	AluSq10|S	8361	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr16-331	13.39132	0.260835	0.646895	0.403211	0.686793	0.981636	chr16	3311639	3318925	+	0	NA	intron (N	AluY|SINE	9070	NM_001324	7627	Hs.513292	NM_153028	ENSG00000	ZNF75A	-	zinc fing	protein-coding
chr1-1236	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr1	12367678	12368674	+	0	NA	intron (N	(AC)n|Sim	138146	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-2471	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	L1ME3A|LI	20976	NM_001297	7678	Hs.421238	NM_003431	ENSG00000	ZNF124	HZF-16|HZ	zinc fing	protein-coding
chr11-281	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr11	28171236	28172088	+	0	NA	intron (N	intron (N	63274	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr15-101	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	MLT1J2|LT	6960	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr19-200	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr19	2000873	2003105	+	0	NA	intron (N	AluSx|SIN	13725	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr22-383	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr22	38378330	38380587	+	0	NA	intron (N	intron (N	19457	NM_001289	1.03E+08	Hs.720223	NM_001289	ENSG00000	TPTEP2-CS	LOC400927	TPTEP2-CS	protein-coding
chr3-8163	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr3	81632081	81632665	+	0	NA	intron (N	L1PA7|LIN	129272	NM_000158	2632	Hs.436062	NM_000158	ENSG00000	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr4-8467	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr4	84676651	84677327	+	0	NA	intron (N	intron (N	93862	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr5-1723	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	61680	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr7-1588	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	34667	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SF	WD repeat	protein-coding
chr8-7870	6.707353	0.363127	0.900902	0.40307	0.686897	0.981636	chr8	78705572	78706350	+	0	NA	intron (N	L1PA13|LI	18413	NR_077236	1.01E+08	Hs.388511	NR_077236		LOC101241	-	chromosom	pseudo
chr2-1891	6.403776	-0.38522	0.955915	-0.40298	0.686962	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	19970	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr16-222	6.478197	-0.37615	0.933916	-0.40277	0.687117	0.981636	chr16	22275422	22275844	+	0	NA	intron (N	AluSx1|SI	-21742	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr8-9989	6.478197	-0.37615	0.933916	-0.40277	0.687117	0.981636	chr8	99891011	99891425	+	0	NA	intron (N	MLT1B|LTR	2489	NM_004374	1345	Hs.351875	NM_004374	ENSG00000	COX6C	-	cytochrom	protein-coding
chr15-722	6.437058	-0.37962	0.94278	-0.40266	0.687197	0.981636	chr15	72270413	72270612	+	0	NA	intron (N	L2a|LINE|	2042	NM_001323	56965	Hs.270244	NM_020213	ENSG00000	PARP6	ARTD17|PA	poly(ADP-	protein-coding
chr17-756	7.733811	0.337178	0.837606	0.402549	0.68728	0.981636	chr17	75678576	75679225	+	0	NA	intron (N	L3|LINE|C	11562	NM_013260	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTF	SAP30 bin	protein-coding
chr3-6416	7.733811	0.337178	0.837606	0.402549	0.68728	0.981636	chr3	64162549	64162976	+	0	NA	intron (N	intron (N	-24782	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr10-329	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr10	32909255	32923555	+	0	NA	intron (N	L1PA5|LIN	-14933	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr14-346	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr14	34606252	34609846	+	0	NA	exon (NM_	exon (NM_	22099	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting n	protein-coding
chr14-582	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr14	58267387	58270414	+	0	NA	intron (N	intron (N	-19133	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA
chr15-603	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr15	60345713	60364483	+	0	NA	intron (N	intron (N	42888	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr17-596	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr17	59649708	59665423	+	0	NA	intron (N	AluSx|SIN	37670	NM_004859	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr17-645	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr17	64567081	64572691	+	0	NA	intron (N	intron (N	62909	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr18-459	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr18	45942443	45944752	+	0	NA	intron (N	intron (N	23732	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr2-1010	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4164	NM_000993	6160	Hs.469473	NM_000993	ENSG00000	RPL31	L31	ribosomal	protein-coding
chr3-1007	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	TTS (NM_0	TTS (NM_0	40245	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr3-1194	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	33255	NR_073506	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr4-7702	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr4	77023530	77035684	+	0	NA	intron (N	intron (N	45303	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr4-1195	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	34749	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr8-1028	10.61469	-0.28936	0.718887	-0.40251	0.687312	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	28634	NR_149020	401472		NR_149020		GASAL1	GASL1	growth ar	ncRNA
chr10-725	7.424684	-0.3461	0.860024	-0.40243	0.687368	0.981636	chr10	72547873	72548518	+	0	NA	intron (N	intron (N	-24209	NM_001195	10367	Hs.524367	NM_006077	ENSG00000	MICU1	CALC|CBAR	mitochond	protein-coding
chr15-309	10.20038	-0.306	0.760413	-0.40241	0.687382	0.981636	chr15	30930626	30931041	+	0	NA	intron (N	MLT1F2|LT	26918	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr11-106	4.648985	-0.43316	1.076575	-0.40235	0.687423	0.981636	chr11	10620783	10621622	+	0	NA	intron (N	intron (N	31099	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr1-6825	4.197236	-0.45406	1.129633	-0.40195	0.687718	0.981636	chr1	6825303	6826129	+	0	NA	intron (N	intron (N	40262	NM_001195	23261	Hs.397705	NM_015215	ENSG00000	CAMTA1	CANPMR	calmoduli	protein-coding
chr3-3736	4.197236	-0.45406	1.129633	-0.40195	0.687718	0.981636	chr3	37362134	37363077	+	0	NA	intron (N	AluJr|SIN	-23664	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr1-1137	10.83581	0.292991	0.729583	0.401587	0.687988	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	MIR|SINE|	48960	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr13-102	6.865233	-0.36584	0.911298	-0.40145	0.68809	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	27478	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr21-289	6.865233	-0.36584	0.911298	-0.40145	0.68809	0.981636	chr21	28982270	28982907	+	0	NA	intron (N	intron (N	10289	NM_001320	26046	Hs.288773	NM_015565	ENSG00000	LTN1	C21orf10|	listerin	protein-coding
chr1-1457	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	43817	NR_103845	11126	Hs.488237	NM_007053	ENSG00000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr1-2130	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	8756	NM_001300	90806	Hs.157078	NM_144567	ENSG00000	ANGEL2	Ccr4d|KIA	angel hom	protein-coding
chr10-864	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr10	86470482	86472900	+	0	NA	intron (N	AluJb|SIN	50093	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr10-936	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr10	93690658	93692631	+	0	NA	intron (N	intron (N	10928	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr10-999	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr10	99904130	99905992	+	0	NA	intron (N	intron (N	9031	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr11-917	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr11	9176472	9181068	+	0	NA	intron (N	intron (N	84407	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr11-996	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr11	9963339	9964125	+	0	NA	intron (N	intron (N	124590	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr12-216	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	21640316	21644903	+	0	NA	intron (N	intron (N	15185	NM_001174	3945	Hs.446149	NM_002300	ENSG00000	LDHB	HEL-S-281	lactate d	protein-coding
chr12-566	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	56619143	56622271	+	0	NA	intron (N	AluSq2|SI	9619	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WALp	bromodoma	protein-coding
chr12-567	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	56721276	56723664	+	0	NA	intron (N	AluSg|SIN	2829	NM_005594	4666	Hs.505735	NM_005594	ENSG00000	NACA	HSD48|NAC	nascent p	protein-coding
chr12-676	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	67657630	67659366	+	0	NA	exon (NM_	exon (NM_	9753	NM_003583	8445	Hs.173135	NM_003583	ENSG00000	DYRK2	-	dual spec	protein-coding
chr12-104	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	18168	NM_013320	29915	Hs.506558	NM_013320	ENSG00000	HCFC2	HCF-2|HCF	host cell	protein-coding
chr12-121	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluY|SINE	8013	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr12-132	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-7298	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr13-513	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr13	51381457	51381756	+	0	NA	intron (N	intron (N	-32967	NR_049878	1.01E+08		NR_049878	ENSG00000	MIR5693	-	microRNA	ncRNA
chr13-110	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	18744	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr14-451	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr14	45114777	45119297	+	0	NA	TTS (NM_0	TTS (NM_0	6162	NR_003691	1E+08	Hs.712501	NR_003691	ENSG00000	SNORD127	-	small nuc	snoRNA
chr14-645	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr14	64521711	64524053	+	0	NA	exon (NM_	exon (NM_	17486	NR_110550	1.03E+08	Hs.667192	NR_110550	ENSG00000	LOC102723	-	uncharact	ncRNA
chr15-408	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr15	40897705	40898318	+	0	NA	intron (N	AluYc|SIN	3561	NM_020857	57617	Hs.23876	NM_020857	ENSG00000	VPS18	PEP3	VPS18 cor	protein-coding
chr15-670	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr15	67081631	67083095	+	0	NA	intron (N	intron (N	16761	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding

chr15-801	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr15	80122732	80123942	+	0	NA	intron (N	intron (N	24921	NM_001242	54469	Hs.596679	NM_019006	ENSG00000	ZFAND6	AWP1|ZA20	zinc fing	protein-coding
chr16-676	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr16	67619841	67621710	+	0	NA	exon (NM_	exon (NM_	-24369	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr17-497	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	4970541	4973004	+	0	NA	intron (N	AluSz6|SI	-1622	NR_106925	1.02E+08		NR_106925	ENSG00000	MIR6865	hsa-mir-6	microRNA	ncRNA
chr17-273	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	27315519	27318348	+	0	NA	Intergeni	MER30|DNA	22819	NM_134265	26118	Hs.446017	NM_015626	ENSG00000	WSB1	SWIP1|WSE	WD repeat	protein-coding
chr17-356	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	35684631	35687243	+	0	NA	intron (N	AluSq2|SI	-45702	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr17-376	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	37617146	37620174	+	0	NA	intron (N	AluSp|SIN	-3621	NR_106744	1.02E+08		NR_106744	ENSG00000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr17-383	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	38323131	38323603	+	0	NA	TTS (NM_0	TTS (NM_0	20443	NM_001004	440435	Hs.462915	NM_001004	ENSG00000	GPR179	CSNB1E|GF	G protein	protein-coding
chr17-400	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	40025086	40026686	+	0	NA	TTS (NR_1	TTS (NR_1	523	NR_106944	1.02E+08		NR_106944	ENSG00000	MIR6884	hsa-mir-6	microRNA	ncRNA
chr17-470	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr17	47049405	47049799	+	0	NA	Intergeni	Intergeni	-70349	NM_203400	388394	Hs.367999	NM_203400	ENSG00000	RPRML	-	reprimo l	protein-coding
chr18-960	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr18	9600638	9601423	+	0	NA	intron (N	intron (N	13529	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr2-9359	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr2	9359013	9360242	+	0	NA	intron (N	intron (N	62964	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-2610	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr2	26109738	26113448	+	0	NA	intron (N	AluSp|SIN	-61495	NM_001168	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 assc	protein-coding
chr2-8648	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr2	86488429	86491814	+	0	NA	intron (N	intron (N	48660	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1087	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-5131	NM_001351	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-cc	protein-coding
chr2-1357	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	3' UTR (N	3' UTR (N	-35654	NR_045486	1.01E+08	Hs.662020	NR_045486	ENSG00000	LOC100507	-	uncharact	ncRNA
chr21-648	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr21	6489074	6493711	+	0	NA	intron (N	intron (N	7856	NM_001320	1.03E+08	Hs.365116	NM_001320	ENSG00000	U2AF1L5	-	U2 small	protein-coding
chr3-4767	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr3	47675379	47679276	+	0	NA	intron (N	AluSx1|SI	-15633	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-1586	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	7642	NM_020169	56925	Hs.478067	NM_020169	ENSG00000	LXN	ECI|TCI	latexin	protein-coding
chr4-1435	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	MER20|DNA	-16716	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr5-1490	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr5	1490338	1493011	+	0	NA	intron (N	Looper|DN	19182	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr5-4312	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr5	43123553	43127401	+	0	NA	intron (N	intron (N	3912	NM_001330	7690	Hs.535804	NM_003432	ENSG00000	ZNF131	ZBTB35|pH	zinc fing	protein-coding
chr5-4361	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr5	43610258	43610832	+	0	NA	intron (N	Tigger15a	-7315	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr5-1591	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	47386	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr5-1772	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	53406	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr6-4265	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr6	42657793	42659297	+	0	NA	intron (N	intron (N	64052	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-9955	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr6	99556063	99558040	+	0	NA	intron (N	intron (N	11609	NM_005190	892	Hs.430646	NM_005190	ENSG00000	CCNC	CycC|SRB1	cyclin C	protein-coding
chr6-1459	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	51108	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-1033	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	18443	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr8-2532	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr8	25323987	25324388	+	0	NA	intron (N	intron (N	-21215	NR_106936	1.02E+08		NR_106936	ENSG00000	MIR6876	hsa-mir-6	microRNA	ncRNA
chr8-3055	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr8	30559933	30562498	+	0	NA	intron (N	intron (N	-77365	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-6151	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr8	61511799	61517540	+	0	NA	intron (N	AluY|SINE	175142	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-9371	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr8	93714734	93721946	+	0	NA	intron (N	intron (N	17790	NR_156452	137392	Hs.125038	NM_145269	ENSG00000	FAM92A	FAM92A1|F	family wi	protein-coding
chr9-2806	7.40111	-0.34074	0.848863	-0.40141	0.68812	0.981636	chr9	2806173	2807781	+	0	NA	intron (N	AluY|SINE	37118	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio F	protein-coding
chr14-105	4.163954	-0.46268	1.153944	-0.40096	0.68845	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	TTS (NM_1	TTS (NM_1	12295	NM_017955	55038	Hs.34045	NM_017955	ENSG00000	CDCA4	HEPP|SEI-	cell divi	protein-coding
chr1-1787	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA15|LI	37153	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-1835	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	46103	NM_001331	9887	Hs.591463	NM_014837	ENSG00000	SMG7	C1orf16|F	SMG7 nons	protein-coding
chr1-2343	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	L2a|LINE|	6288	NM_001301	388753	Hs.23198	NM_001012	ENSG00000	COA6	C1orf31|C	cytochrom	protein-coding
chr10-303	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr10	30312373	30313896	+	0	NA	3' UTR (N	3' UTR (N	36204	NM_018109	55149	Hs.173946	NM_018109	ENSG00000	MTPAP	PAPD1|SPA	mitochonc	protein-coding
chr10-103	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	46092	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5'-nuclec	protein-coding
chr11-123	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJr|SIN	40078	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr11-134	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	9329	NM_014174	29087	Hs.13645	NM_014174	ENSG00000	THYN1	HSPC144|M	thymocyte	protein-coding
chr13-209	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr13	20994653	20995066	+	0	NA	intron (N	AluJo|SIN	-45431	NR_104058	1.02E+08	Hs.637638	NR_104058	ENSG00000	LINC00367	-	long inte	ncRNA
chr15-700	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr15	70054575	70056292	+	0	NA	intron (N	intron (N	24035	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr15-793	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr15	79317621	79319284	+	0	NA	intron (N	intron (N	7340	NM_001301	23423	Hs.71608	NM_007364	ENSG00000	TMED3	C15orf22|	transmemb	protein-coding
chr17-294	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr17	29476648	29477020	+	0	NA	intron (N	MER2|DNA|	85909	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAF	TAO kinas	protein-coding
chr18-353	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr18	35309484	35310057	+	0	NA	non-codin	non-codin	19498	NR_024566	10778	Hs.314246	NM_006629	ENSG00000	ZNF271P	CT-ZFP48|	zinc fing	pseudo
chr19-840	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr19	8402142	8402868	+	0	NA	exon (NM_	exon (NM_	-10798	NM_001005	51257	Hs.631861	NM_016496	ENSG00000	2-Mar	HSPC240|M	membrane	protein-coding
chr19-452	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr19	45284662	45285292	+	0	NA	intron (N	AluSq2|SI	33706	NM_001199	57787	Hs.34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr2-1547	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr2	15471938	15473723	+	0	NA	intron (N	LTR41B|LT	88504	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAC	neuroblas	protein-coding
chr2-1098	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-51653	NR_038099	1E+08	Hs.535619	NM_001205	ENSG00000	LIMS4	LIMS3L	LIM zinc	protein-coding
chr2-1136	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	LTR79|LTR	2731	NM_001354	11159	Hs.446425	NM_007082	ENSG00000	RABL2A	-	RAB, memb	protein-coding
chr21-462	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr21	46291322	46291956	+	0	NA	3' UTR (N	3' UTR (N	5297	NM_001314	54059	Hs.474066	NM_058181	ENSG00000	YBEY	C21orf57	ybeY meta	protein-coding
chr22-178	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr22	17885007	17885933	+	0	NA	intron (N	L1ME4a|LI	21416	NM_001122	57553	Hs.528024	NM_015241	ENSG00000	MICAL3	MICAL-3	microtubu	protein-coding
chr4-7768	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr4	7768514	7770414	+	0	NA	intron (N	intron (N	15374	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr4-3984	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr4	39843632	39844358	+	0	NA	intron (N	AluJo|SIN	133916	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr5-7355	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr5	73553232	73558056	+	0	NA	intron (N	intron (N	9995	NM_023039	57763	Hs.239154	NM_023039	ENSG00000	ANKRA2	ANKRA	ankyrin r	protein-coding
chr7-7452	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr7	74524281	74527562	+	0	NA	intron (N	intron (N	-70047	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr7-7522	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr7	75225627	75227239	+	0	NA	intron (N	MLT1F|LTR	-10754	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr7-9904	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr7	99043304	99043645	+	0	NA	intron (N	intron (N	30309	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-9477	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr8	94777169	94778295	+	0	NA	exon (NM_	exon (NM_	-45555	NM_017864	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integratc	protein-coding
chr9-1344	6.674071	0.359234	0.896072	0.400899	0.688495	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	3' UTR (N	3' UTR (N	30486	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr1-3165	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr1	31657110	31657412	+	0	NA	intron (N	intron (N	-12385	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr1-1126	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	8195	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr10-104	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	26458	NR_030760	1E+08		NR_030760	ENSG00000	MIR936	MIRN936|h	microRNA	ncRNA
chr12-120	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluY|SINE	13985	NM_006836	10985	Hs.298716	NM_006836	ENSG00000	GCN1	GCN1L|GCN	GCN1 acti	protein-coding
chr16-585	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr16	58517079	58517783	+	0	NA	intron (N	intron (N	1952	NR_134583	79918	Hs.731691	NM_024860	ENSG00000	SETD6	-	SET domai	protein-coding
chr4-3977	6.931796	-0.35553	0.886954	-0.40085	0.688534	0.981636	chr4	39779424	39779735	+	0	NA	3' UTR (N	3' UTR (N	81443	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitir	protein-coding
chr17-246	6.64264	0.368342	0.919923	0.400405	0.688858	0.981636	chr17	2462678	2462953	+	0	NA	intron (N	MSTA|LTR|	-47379	NR_028335	284009	Hs.632244	NM_001025459		LOC284009	-	uncharact	ncRNA
chr16-677	6.740635	0.367026	0.916751	0.400356	0.688895	0.981636	chr16	67743802	67744267	+	0	NA	intron (N	intron (N	-24718	NR_027398	81577	Hs.307084	NM_030819	ENSG00000	GFOD2	-	glucose-f	protein-coding
chr17-781	6.740635	0.367026	0.916751	0.400356	0.688895	0.981636	chr17	78192157	78193484	+	0	NA	intron (N	intron (N	5503	NM_001010	125061	Hs.558614	NM_001010	ENSG00000	AFMID	FKF|KF|KF	arylforma	protein-coding
chr19-625	6.128486	0.377785	0.944126	0.400143	0.689051	0.981636	chr19	6258407	6258814	+	0	NA	intron (N	intron (N	21365	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr6-2663	13.39918	0.25969	0.649031	0.400119	0.689069	0.981636	chr6	26635350	26645407	+	0	NA	intron (N	L2a|LINE|	19368	NM_024639	79692	Hs.126280	NM_024639	ENSG00000	ZNF322	HCG12|ZNF	zinc fing	protein-coding
chr8-5574	6.120628	0.380189	0.950712	0.3999	0.68923	0.981636	chr8	55742875	55743074	+	0	NA	intron (N	L2|LINE|L	30404	NM_001286	137695	Hs.420076	NM_152417	ENSG00000	TMEM68	-	transmemb	protein-coding
chr13-758	4.641127	-0.43041	1.076639	-0.39977	0.689327	0.981636	chr13	75816978	75817692	+	0	NA	intron (N	intron (N	-53703	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 dowr	protein-coding
chr16-816	5.631898	0.398686	0.997643	0.399628	0.689431	0.981636	chr16	81658891	81659280	+	0	NA	intron (N	intron (N	-6269	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr3-5142	6.672037	0.551277	1.379733	0.399553	0.689486	0.981636	chr3	51420550	51420818	+	0	NA	exon (NM_	exon (NM_	29399	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr1-1565	7.172509	0.356186	0.891963	0.399329	0.689651	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1971	NM_144772	128240	Hs.528320	NM_144772	ENSG00000	NAXE	AIBP|APOA	NAD(P)HX	protein-coding
chr1-2080	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr1	20805151	20807469	+	0	NA	TTS (NM_0	TTS (NM_0	-19622	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-2129	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	MIRb|SINE	15480	NM_001300	90806	Hs.157078	NM_144567	ENSG00000	ANGEL2	Ccr4d|KIA	angel hom	protein-coding
chr11-119	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	MER8|DNA|	24350	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr12-117	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSp|SIN	24535	NM_015002	23014	Hs.740376	NM_015002	ENSG00000	FBXO21	FBX21	F-box prc	protein-coding
chr15-491	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr15	49111992	49115161	+	0	NA	Intergeni	L1MA4A|LI	42023	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sigr	protein-coding
chr15-780	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr15	78042498	78043599	+	0	NA	intron (N	intron (N	34604	NM_144572	23102	Hs.567426	NM_015079	ENSG00000	TBC1D2B	-	TBC1 doma	protein-coding
chr18-923	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr18	9230848	9232870	+	0	NA	intron (N	L1MA4A|LI	94296	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr19-326	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr19	32643460	32644548	+	0	NA	intron (N	AluJr|SIN	31176	NM_032139	84079	Hs.59236	NM_032139	ENSG00000	ANKRD27	PP12899|V	ankyrin r	protein-coding
chr2-6939	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr2	69397815	69400513	+	0	NA	intron (N	AluSx|SIN	-11910	NM_001244	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr4-1836	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	6289	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr8-4317	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr8	43178268	43179269	+	0	NA	intron (N	SVA_E|Ret	38304	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr8-9453	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr8	94535619	94537145	+	0	NA	intron (N	intron (N	17087	NM_015496	25962	Hs.202238	NM_015496	ENSG00000	VIRMA	KIAA1429|	vir like	protein-coding
chr9-1090	7.700529	0.333665	0.835733	0.399249	0.68971	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	29010	NM_032012	23731	Hs.308074	NM_032012	ENSG00000	TMEM245	C9orf5|CC	transmemb	protein-coding
chr2-2023	10.60683	-0.28809	0.721833	-0.3991	0.689816	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10904	NR_003031	692058		NR_003031	ENSG00000	SNORD11	HBII-95	small nuc	snoRNA
chr7-3061	10.60683	-0.28809	0.721833	-0.3991	0.689816	0.981636	chr7	30616605	30618729	+	0	NA	intron (N	intron (N	22789	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr8-1189	10.60683	-0.28809	0.721833	-0.3991	0.689816	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	20460	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr1-3539	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr1	35390507	35391055	+	0	NA	intron (N	intron (N	-24704	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-1449	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	L1MB7|LIN	164501	NM_001330	647135	Hs.497575	NM_001271	ENSG00000	SRGAP2B	SRGAP2L|S	SLIT-ROBO	protein-coding
chr10-215	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr10	21551095	21554585	+	0	NA	intron (N	intron (N	18668	NM_001195	8028	Hs.30385	NM_004641	ENSG00000	MLLT10	AF10	MLLT10 hi	protein-coding
chr11-349	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr11	34941223	34942153	+	0	NA	promoter-	promoter-	-149	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr13-445	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr13	44510673	44511033	+	0	NA	intron (N	AluSx|SIN	-36552	NM_001243	8848	Hs.436383	NM_006022	ENSG00000	TSC22D1	Ptg-2|TGF	TSC22 dom	protein-coding
chr16-482	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr16	48253662	48254879	+	0	NA	intron (N	L2c|LINE|	-6731	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr18-235	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr18	23558676	23561707	+	0	NA	intron (N	intron (N	26315	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr2-1105	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MD2|LIN	11133	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr7-9823	7.162802	0.345795	0.866427	0.399104	0.689816	0.981636	chr7	98239703	98240696	+	0	NA	intron (N	intron (N	12033	NM_015395	25851	Hs.592281	NM_015395	ENSG00000	TECPR1	-	tectonin	protein-coding
chr16-574	7.741669	0.335238	0.83999	0.399098	0.689821	0.981636	chr16	57451494	57451953	+	0	NA	intron (N	L1ME4a|LI	-4195	NM_001308	57019	Hs.4900	NM_020313	ENSG00000	CIAPIN1	Anamorsir	cytokine	protein-coding
chr20-436	7.741669	0.335238	0.83999	0.399098	0.689821	0.981636	chr20	43620174	43621535	+	0	NA	intron (N	intron (N	29917	NM_001323	51098	Hs.444332	NM_016004	ENSG00000	IFT52	C20orf9|C	intraflag	protein-coding
chr1-1043	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr1	1043330	1048854	+	0	NA	intron (N	intron (N	12099	NM_001364	375790	Hs.273330	NM_198576	ENSG00000	AGRN	AGRIN|CMS	agrin	protein-coding
chr1-1182	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr1	11825703	11827684	+	0	NA	intron (N	intron (N	-13626	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr1-2473	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSq2|SI	4696	NM_001329	84838	Hs.168677	NM_032752	ENSG00000	ZNF496	NIZP1|ZFF	zinc fing	protein-coding
chr11-678	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr11	678305	679523	+	0	NA	intron (N	MER33|DNA	-16677	NM_001276	283232	Hs.448664	NM_174940	ENSG00000	TMEM80	-	transmemb	protein-coding
chr12-126	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr12	12637549	12642320	+	0	NA	intron (N	MER11A|LT	28058	NM_001310	1389	Hs.591156	NM_001310	ENSG00000	CREBL2	-	cAMP resp	protein-coding
chr12-102	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz|SIN	2891	NM_024057	79023	Hs.444276	NM_024057	ENSG00000	NUP37	MCPH24|p3	nucleopor	protein-coding
chr13-482	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr13	48262734	48263227	+	0	NA	3' UTR (N	3' UTR (N	29774	NM_021999	9445	Hs.643683	NM_021999	ENSG00000	ITM2B	ABRI|BRI|	integral	protein-coding
chr13-995	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr13	99541536	99544616	+	0	NA	intron (N	L2a|LINE|	-34036	NR_126390	1.04E+08	Hs.639387	NR_126390		LINC01039	-	long inte	ncRNA
chr17-171	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr17	17142179	17145822	+	0	NA	intron (N	intron (N	62333	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-193	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr17	19310626	19315356	+	0	NA	intron (N	intron (N	-6730	NR_048576	1.01E+08	Hs.621672	NR_048576	ENSG00000	EPN2-AS1	-	EPN2 anti	ncRNA
chr17-440	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr17	44088001	44089287	+	0	NA	intron (N	intron (N	17733	NR_028582	92579	Hs.294005	NM_138387	ENSG00000	G6PC3	SCN4|UGRP	glucose-6	protein-coding
chr19-848	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr19	8482169	8488290	+	0	NA	intron (N	intron (N	17411	NM_032152	84106	Hs.465812	NM_032152	ENSG00000	PRAM1	PML-RAR|P	PML-RARA	protein-coding
chr19-488	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr19	48822185	48822969	+	0	NA	intron (N	intron (N	-11548	NM_001164	587	Hs.512670	NM_001190	ENSG00000	BCAT2	BCAM|BCAT	branched	protein-coding
chr2-8534	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr2	85345628	85346731	+	0	NA	intron (N	intron (N	8349	NM_017750	54884	Hs.440401	NM_017750	ENSG00000	RETSAT	-	retinol s	protein-coding
chr2-2082	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MER58A|DN	15369	NM_001282	3417	Hs.593422	NM_005896	ENSG00000	IDH1	HEL-216|H	isocitrat	protein-coding
chr2-2184	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	1615	NR_029500	407017		NR_029500	ENSG00000	MIR26B	MIRN26B|h	microRNA	ncRNA
chr20-492	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr20	49233650	49240190	+	0	NA	intron (N	intron (N	17625	NM_017895	55661	Hs.65234	NM_017895	ENSG00000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr20-496	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr20	49640370	49643733	+	0	NA	intron (N	MIRb|SINE	71827	NM_004776	9334	Hs.370487	NM_004776	ENSG00000	B4GALT5	B4Gal-T5|	beta-1,4-	protein-coding
chr3-4593	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr3	45931173	45933073	+	0	NA	intron (N	MIRb|SINE	-11341	NM_006564	10663	Hs.34526	NM_006564	ENSG00000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding

chr3-4877	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr3	48770664	48771381	+	0	NA	intron (N	AluSx|SIN	-53744	NM_001146	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr4-3764	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr4	37646508	37647152	+	0	NA	intron (N	AluJr|SIN	39546	NM_001085	768211	Hs.283378	NM_001085	ENSG00000	RELL1	-	RELT like	protein-coding
chr5-3124	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr5	31249248	31251434	+	0	NA	intron (N	intron (N	56655	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr8-2873	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr8	28739740	28740219	+	0	NA	intron (N	intron (N	38478	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr8-1279	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	5300	NR_103558	641384	Hs.629674	NM_001037	ENSG00000	TMEM75	-	transmemb	ncRNA
chrX-3825	7.211799	0.345279	0.865263	0.399045	0.68986	0.981636	chrX	3825319	3827688	+	0	NA	intron (N	AluSx3|SI	17391	NR_034031	389906	Hs.636199	NM_001045547		LOC389906	-	zinc fing	pseudo
chr1-1183	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr1	11832656	11836344	+	0	NA	non-codin	non-codin	-5819	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr1-7769	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr1	77693301	77695883	+	0	NA	Intergeni	Intergeni	-11165	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-9265	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr1	92656718	92659191	+	0	NA	intron (N	MSTA|LTR|	127154	NM_001350	7813	Hs.594434	NM_005665	ENSG00000	EVI5	EVI-5|NB4	ecotropic	protein-coding
chr1-1471	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	AluYm1|SI	7234	NR_103870	5565	Hs.50732	NM_005399	ENSG00000	PRKAB2	-	protein k	protein-coding
chr10-380	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr10	38099215	38101131	+	0	NA	intron (N	MER11C|LT	5836	NM_001324	7587	Hs.292575	NM_003421	ENSG00000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr11-240	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr11	2402266	2403105	+	0	NA	exon (NM_	exon (NM_	1935	NM_001297	10078	Hs.523424	NM_005706	ENSG00000	TSSC4	-	tumor sup	protein-coding
chr12-633	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr12	6339310	6340721	+	0	NA	intron (N	intron (N	2061	NM_001346	7132	Hs.279594	NM_001065	ENSG00000	TNFRSF1A	CD120a|FF	TNF recep	protein-coding
chr12-928	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr12	92816404	92820144	+	0	NA	intron (N	L1ME1|LIN	81785	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-100	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	L1PA15|LI	60558	NM_001006	23074	Hs.572154	NM_015054	ENSG00000	UHRF1BP1L	SHIP164	UHRF1 bin	protein-coding
chr12-121	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	LTR16C|LT	725	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr14-556	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr14	55662125	55662832	+	0	NA	intron (N	intron (N	82271	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr14-608	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr14	60881840	60884556	+	0	NA	intron (N	L1MA2|LIN	97881	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr14-735	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr14	73574147	73575635	+	0	NA	TTS (NM_0	TTS (NM_0	5832	NM_001364	10965	Hs.446685	NM_006821	ENSG00000	ACOT2	CTE-IA|CT	acyl-CoA	protein-coding
chr15-417	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr15	41760105	41760978	+	0	NA	intron (N	intron (N	-13943	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr15-433	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr15	43337314	43337801	+	0	NA	intron (N	intron (N	6885	NM_001012	161823	Hs.533913	NM_001012	ENSG00000	ADAL	-	adenosine	protein-coding
chr15-656	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr15	65665370	65666024	+	0	NA	intron (N	intron (N	22818	NM_001254	9187	Hs.173092	NM_004727	ENSG00000	SLC24A1	CSNB1D|Hs	solute ca	protein-coding
chr15-731	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr15	73176889	73178028	+	0	NA	intron (N	intron (N	-122452	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr16-299	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr16	29920512	29922182	+	0	NA	intron (N	L1ME5|LIN	4879	NR_110933	253980	Hs.534590	NM_178863	ENSG00000	KCTD13	BACURD1|F	potassium	protein-coding
chr18-922	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr18	9227452	9228277	+	0	NA	intron (N	L1MA4A|LI	90301	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr19-381	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr19	38152978	38153863	+	0	NA	intron (N	AluSx|SIN	-9676	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr2-5815	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr2	58159741	58161614	+	0	NA	TTS (NM_0	TTS (NM_0	80703	NR_156742	55120	Hs.631890	NM_018062	ENSG00000	FANCL	FAAP43|PH	FA comple	protein-coding
chr2-2307	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L3|LINE|C	-63582	NM_001287	81618	Hs.111577	NM_030926	ENSG00000	ITM2C	BRI3|BRIC	integral	protein-coding
chr2-2380	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-29445	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr3-1143	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-4563	NM_001164	26137	Hs.202577	NM_015642	ENSG00000	ZBTB20	DPZF|HOF|	zinc fing	protein-coding
chr3-1840	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	4786	NM_005688	10057	Hs.368563	NM_005688	ENSG00000	ABCC5	ABC33|EST	ATP bindi	protein-coding
chr4-1750	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr4	17500421	17502268	+	0	NA	intron (N	intron (N	10746	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHF	quinoid c	protein-coding
chr4-1844	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-44935	NR_125933	1.03E+08	Hs.432281	NR_125933	ENSG00000	LINC02362	-	long inte	ncRNA
chr5-4353	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr5	43536303	43538791	+	0	NA	intron (N	intron (N	19530	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr5-9573	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr5	95733469	95734270	+	0	NA	intron (N	MIRb|SINE	-1767	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr5-1135	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	HSMAR2|DN	46514	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-7894	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr6	78948792	78950412	+	0	NA	intron (N	MER74B|LT	82051	NM_001010	134728	Hs.656212	NM_001010	ENSG00000	IRAK1BP1	AIP70|SIM	interleuk	protein-coding
chr6-1323	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	L1PA8A|LI	90935	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr7-9898	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr7	98980251	98986452	+	0	NA	exon (NM_	exon (NM_	-29814	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1298	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-60518	NR_029615	406959		NR_029615	ENSG00000	MIR183	MIRN183|m	microRNA	ncRNA
chr8-1022	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	37036	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-1340	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	9593	NM_001355	266655	Hs.654869	NM_001355	ENSG00000	BRD3OS	LINC00094	BRD3 oppo	protein-coding
chrX-1425	7.17066	0.3437	0.861509	0.398951	0.689929	0.981636	chrX	1425020	1425660	+	0	NA	intron (N	intron (N	24809	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chr6-8888	4.674408	-0.42245	1.059262	-0.39882	0.690026	0.981636	chr6	88885272	88886225	+	0	NA	intron (N	L1MC4a|LI	77870	NM_001286	8732	Hs.567378	NM_003800	ENSG00000	RNGTT	CAP1A|HCE	RNA guany	protein-coding
chr10-920	7.692671	0.335712	0.842434	0.398503	0.690259	0.981636	chr10	92026141	92028101	+	0	NA	intron (N	intron (N	103351	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr17-281	10.64797	-0.28606	0.718686	-0.39803	0.690605	0.981636	chr17	28184842	28187487	+	0	NA	intron (N	intron (N	-40399	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr2-7565	10.64797	-0.28606	0.718686	-0.39803	0.690605	0.981636	chr2	75652649	75653986	+	0	NA	intron (N	intron (N	6534	NM_014763	9801	Hs.44024	NM_014763	ENSG00000	MRPL19	L19mt|MRP	mitochond	protein-coding
chr9-8844	8.273388	0.338549	0.850759	0.397937	0.690676	0.981636	chr9	88449076	88449515	+	0	NA	intron (N	intron (N	60851	NM_006717	10927	Hs.146804	NM_006717	ENSG00000	SPIN1	SPIN|TDRD	spindlin	protein-coding
chr1-2468	7.359971	-0.3438	0.863992	-0.39792	0.690692	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	PABL_B-ir	60225	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-119	7.359971	-0.3438	0.863992	-0.39792	0.690692	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	7276	NM_005308	2869	Hs.524625	NM_005308	ENSG00000	GRK5	FP2025|GF	G protein	protein-coding
chr13-370	7.359971	-0.3438	0.863992	-0.39792	0.690692	0.981636	chr13	37053215	37054459	+	0	NA	intron (N	L1PA4|LIN	5650	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr2-1719	7.359971	-0.3438	0.863992	-0.39792	0.690692	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-33974	NM_001322	254042	Hs.298250	NM_199227	ENSG00000	METAP1D	MAP 1D|MA	methionyl	protein-coding
chr10-102	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx1|SI	47421	NM_001178	51684	Hs.404089	NM_016169	ENSG00000	SUFU	JBTS32|PF	SUFU nega	protein-coding
chr11-475	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr11	47584245	47584877	+	0	NA	TTS (NM_0	TTS (NM_0	-2090	NM_001367	399888	Hs.502529	NM_001164	ENSG00000	FAM180B	-	family wi	protein-coding
chr15-722	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr15	72249200	72249510	+	0	NA	intron (N	intron (N	-17731	NM_001206	5315	Hs.534770	NM_002654	ENSG00000	PKM	CTHBP|HEL	pyruvate	protein-coding
chr15-723	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr15	72351217	72353057	+	0	NA	intron (N	AluJb|SIN	23877	NM_001318	3073	Hs.604479	NM_000520	ENSG00000	HEXA	TSD	hexosamin	protein-coding
chr16-581	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr16	58170227	58171438	+	0	NA	intron (N	L1ME1|LIN	27274	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr16-856	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr16	85667797	85672969	+	0	NA	intron (N	L1M5|LINE	18571	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|F	GINS comp	protein-coding
chr19-101	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr19	10139555	10142277	+	0	NA	intron (N	intron (N	-21017	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr19-448	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr19	44859849	44860443	+	0	NA	intron (N	L1MB7|LIN	13849	NM_001042	5819	Hs.655455	NM_002856	ENSG00000	NECTIN2	CD112|HVE	nectin ce	protein-coding
chr2-2414	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	FLAM_C|SI	-45773	NR_036083	1E+08		NR_036083	ENSG00000	MIR3133	-	microRNA	ncRNA
chr20-420	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr20	420513	424606	+	0	NA	intron (N	AluJb|SIN	14260	NM_006462	10616	Hs.29546	NM_006462	ENSG00000	RBCK1	C20orf18|	RANBP2-ty	protein-coding
chr3-1192	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	180	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG00000	B4GALT4-A	-	B4GALT4 a	ncRNA
chr3-1195	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	5749	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr4-7150	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr4	71506874	71507915	+	0	NA	intron (N	L1PA11|LI	168341	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr7-4506	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr7	45064116	45065322	+	0	NA	intron (N	intron (N	24250	NM_001146	23148	Hs.96633	NM_001146	ENSG00000	NACAD	-	NAC alpha	protein-coding
chr7-9895	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr7	98953864	98956414	+	0	NA	exon (NM_	exon (NM_	-58026	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-3831	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr8	38316785	38320061	+	0	NA	intron (N	intron (N	-49191	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTP	phospholi	protein-coding
chr9-3464	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr9	34648190	34649946	+	0	NA	exon (NM_	exon (NM_	2393	NM_000155	2592	Hs.522090	NM_000155	ENSG00000	GALT	-	galactose	protein-coding
chr9-3708	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr9	37086752	37088680	+	0	NA	non-codin	non-codin	7820	NR_036592	1.01E+08	Hs.446271	NR_036592	ENSG00000	EBLN3P	EBLN3	endogenou	pseudo
chr9-9594	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chr9	95945450	95948126	+	0	NA	intron (N	Tigger1|D	70780	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chrX-4122	7.708387	0.33169	0.833645	0.39788	0.690719	0.981636	chrX	41223350	41226157	+	0	NA	exon (NM_	exon (NM_	-50986	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr8-1220	11.07615	-0.28135	0.707307	-0.39777	0.690798	0.981636	chr8	12202543	12203693	+	0	NA	TTS (NR_1	TTS (NR_1	-8985	NR_148876	653333	Hs.458413	NM_001137	ENSG00000	FAM86B2	-	family wi	protein-coding
chr1-1591	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr1	15919784	15922835	+	0	NA	intron (N	AluSx|SIN	54823	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-5183	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr1	51833139	51836645	+	0	NA	intron (N	intron (N	1510	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-2056	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19819	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr10-350	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr10	35023941	35025786	+	0	NA	intron (N	intron (N	49420	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr14-363	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr14	36308303	36309160	+	0	NA	intron (N	intron (N	11906	NM_001308	51562	Hs.368647	NM_016586	ENSG00000	MBIP	-	MAP3K12 b	protein-coding
chr14-582	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr14	58287743	58291951	+	0	NA	TTS (NR_1	TTS (NR_1	1814	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA
chr16-310	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr16	31042059	31042724	+	0	NA	Intergeni	CpG	8833	NM_004604	6810	Hs.83734	NM_004604	ENSG00000	STX4	STX4A|p35	syntaxin	protein-coding
chr17-812	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr17	81241097	81241493	+	0	NA	TTS (NM_0	TTS (NM_0	1381	NR_148426	284184	Hs.356545	NM_001086	ENSG00000	NDUFAF8	C17orf89	NADH:ubiq	protein-coding
chr2-3261	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr2	32616978	32617443	+	0	NA	intron (N	AluSx3|SI	-10840	NM_001193	55622	Hs.468125	NM_017735	ENSG00000	TTC27	-	tetratric	protein-coding
chr2-7323	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr2	73239788	73242623	+	0	NA	intron (N	intron (N	6897	NM_006429	10574	Hs.368149	NM_006429	ENSG00000	CCT7	CCTETA|CC	chaperoni	protein-coding
chr2-2349	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-2686	NM_001371303								
chr20-176	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr20	17653597	17655506	+	0	NA	intron (N	intron (N	27691	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr20-449	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr20	44981208	44982404	+	0	NA	intron (N	intron (N	15294	NR_147974	6789	Hs.472838	NM_006282	ENSG00000	STK4	KRS2|MST1	serine/th	protein-coding
chr22-408	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr22	40841844	40844645	+	0	NA	intron (N	L1ME3Cz|L	13395	NM_003932	6767	Hs.712713	NM_003932	ENSG00000	ST13	AAG2|FAM1	ST13 Hsp7	protein-coding
chr3-1496	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr3	14966708	14968247	+	0	NA	intron (N	L1M4|LINE	-19036	NR_046251	1.01E+08	Hs.517821	NR_046251	ENSG00000	FGD5-AS1	-	FGD5 anti	ncRNA
chr3-5723	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr3	57238121	57239661	+	0	NA	intron (N	L1MB5|LIN	11162	NM_012096	26060	Hs.476415	NM_012096	ENSG00000	APPL1	APPL|DIP1	adaptor p	protein-coding
chr3-1324	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	AluJo|SIN	44483	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr5-5290	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr5	52901000	52901894	+	0	NA	intron (N	intron (N	-87905	NM_002203	3673	Hs.482077	NM_002203	ENSG00000	ITGA2	BR|CD49B|	integrin	protein-coding
chr5-1339	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	10572	NM_020199	56951	Hs.744034	NM_020199	ENSG00000	C5orf15	HTGN29|KC	chromosom	protein-coding
chr6-1766	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr6	17666705	17667892	+	0	NA	intron (N	intron (N	-38832	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-8174	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr6	81745476	81747729	+	0	NA	3’ UTR (N	3’ UTR (N	6079	NM_017633	55603	Hs.10784	NM_017633	ENSG00000	TENT5A	C6orf37|F	terminal	protein-coding
chr6-1365	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	MSTB2|LTR	-38855	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr6-1497	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSc|SIN	5000	NR_104456	348995	Hs.510375	NM_024647	ENSG00000	NUP43	bA350J20.	nucleopor	protein-coding
chr8-6561	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr8	65610668	65611971	+	0	NA	intron (N	L1M5|LINE	22858	NM_018120	55156	Hs.269542	NM_018120	ENSG00000	ARMC1	Arcp	armadillo	protein-coding
chr9-1090	7.393252	-0.33898	0.852247	-0.39775	0.690816	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	L1M4a1|LI	-32509	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr15-489	6.980793	-0.35406	0.890363	-0.39766	0.690884	0.981636	chr15	48994190	48994913	+	0	NA	intron (N	L2c|LINE|	-30632	NM_203349	399694	Hs.642615	NM_203349	ENSG00000	SHC4	RaLP|SHCD	SHC adapt	protein-coding
chr20-583	6.980793	-0.35406	0.890363	-0.39766	0.690884	0.981636	chr20	58316825	58318598	+	0	NA	intron (N	AluYc|SIN	7996	NM_020673	57403	Hs.529044	NM_020673	ENSG00000	RAB22A	-	RAB22A, m	protein-coding
chr19-528	13.36589	0.257578	0.647774	0.397636	0.690899	0.981636	chr19	52837241	52854477	+	0	NA	intron (N	AluSp|SIN	11760	NR_102300	90333	Hs.467223	NM_199132	ENSG00000	ZNF468	-	zinc fing	protein-coding
chr8-3259	6.136344	0.37527	0.944183	0.397455	0.691032	0.981636	chr8	32596026	32596299	+	0	NA	intron (N	intron (N	336	NM_001159	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr21-436	7.245081	0.349011	0.878194	0.397419	0.691059	0.981636	chr21	43683178	43683841	+	0	NA	intron (N	intron (N	23949	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr17-391	7.154944	0.347938	0.876791	0.396831	0.691492	0.981636	chr17	39193347	39193842	+	0	NA	intron (N	intron (N	4075	NM_199247	782	Hs.635	NM_000723	ENSG00000	CACNB1	CAB1|CACN	calcium v	protein-coding
chr3-1559	7.154944	0.347938	0.876791	0.396831	0.691492	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSz6|SI	39684	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr9-1290	7.154944	0.347938	0.876791	0.396831	0.691492	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	L1ME3D|LI	-15417	NM_001135	57171	Hs.21701	NM_020438	ENSG00000	DOLPP1	LSFR2	dolichylc	protein-coding
chr6-4267	6.972935	-0.35221	0.888292	-0.3965	0.691735	0.981636	chr6	42672028	42672438	+	0	NA	intron (N	AluSx|SIN	50364	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr1-1890	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	18909435	18912169	+	0	NA	intron (N	intron (N	-8003	NM_001319	8659	Hs.77448	NM_003748	ENSG00000	ALDH4A1	ALDH4|P5C	aldehyde	protein-coding
chr1-1479	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA3|LIN	31980	NR_111936	1E+08	Hs.696575	NR_003377		PDZK1P1	PDZK1P2	PDZ domai	pseudo
chr1-1804	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	MER44C|DN	15104	NM_032360	84320	Hs.200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr1-2036	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-48245	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNO	small nuc	snoRNA
chr1-2199	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz|SIN	45111	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr1-2242	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	32431	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr1-2263	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSz|SIN	20893	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr10-893	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr10	89339405	89340359	+	0	NA	exon (NM_	exon (NM_	7353	NM_001031	3437	Hs.47338	NM_001549	ENSG00000	IFIT3	CIG-49|GA	interfero	protein-coding
chr10-102	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	FLAM_C|SI	27886	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr10-113	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	AluJo|SIN	-10796	NM_001267	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr11-465	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr11	46544507	46546495	+	0	NA	intron (N	intron (N	41943	NR_160027	55626	Hs.654644	NM_017749	ENSG00000	AMBRA1	DCAF3|WDF	autophagy	protein-coding
chr11-666	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr11	66666197	66667208	+	0	NA	3’ UTR (N	3’ UTR (N	11185	NM_031492	83759	Hs.618713	NM_031492	ENSG00000	RBM4B	RBM30|RBM	RNA bindi	protein-coding
chr11-117	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	45014	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-652	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr12	6529927	6530737	+	0	NA	intron (N	L1MC1|LIN	-4185	NM_001289	2597	Hs.544577	NM_002046	ENSG00000	GAPDH	G3PD|GAPD	glycerald	protein-coding
chr12-307	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr12	30728738	30729899	+	0	NA	exon (NM_	exon (NM_	25196	NM_001319	65981	Hs.234355	NM_023925	ENSG00000	CAPRIN2	C1QDC1|EE	caprin fa	protein-coding
chr12-497	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr12	49795916	49798928	+	0	NA	intron (N	intron (N	30991	NM_001368	57701	Hs.143067	NM_001037	ENSG00000	NCKAP5L	Cep169|FF	NCK assoc	protein-coding

chr12-511	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr12	51100580	51103847	+	0	NA	intron (N	intron (N	-18617	NM_030809	81566	Hs.524425	NM_030809	ENSG0000C	CSRNP2	C12orf2|C	cysteine	protein-coding
chr12-111	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-7359	NR_106819	1.02E+08		NR_106819	ENSG0000C	MIR6761	hsa-mir-6	microRNA	ncRNA
chr13-453	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr13	45397610	45400629	+	0	NA	intron (N	intron (N	-19043	NR_047031	1.01E+08	Hs.658038	NR_047031	ENSG0000C	SLC25A30-	-	SLC25A30	ncRNA
chr13-951	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr13	95120145	95121511	+	0	NA	intron (N	intron (N	-89516	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-350	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr14	35004290	35005569	+	0	NA	intron (N	intron (N	21937	NM_003136	6729	Hs.167535	NM_003136	ENSG0000C	SRP54	-	signal re	protein-coding
chr15-417	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr15	41709061	41711982	+	0	NA	intron (N	AluJr|SIN	18936	NR_030356	693211		NR_030356	ENSG0000C	MIR626	MIRN626|H	microRNA	ncRNA
chr15-657	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr15	65724954	65729270	+	0	NA	intron (N	AluJr4|SI	-7780	NR_039736	1.01E+08		NR_039736	ENSG0000C	MIR4511	mir-4511	microRNA	ncRNA
chr15-732	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr15	73282977	73283992	+	0	NA	intron (N	LTR33|LTR	-16426	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr15-856	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr15	85693440	85695491	+	0	NA	intron (N	MER58B|DN	64260	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr16-377	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr16	3773959	3775169	+	0	NA	intron (N	intron (N	-57040	NM_016292	10131	Hs.30345	NM_016292	ENSG0000C	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-704	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr16	70494618	70499943	+	0	NA	exon (NM_	exon (NM_	26274	NM_001365	25839	Hs.208680	NM_015386	ENSG0000C	COG4	CDG2J|COI	component	protein-coding
chr16-743	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr16	74356305	74360192	+	0	NA	intron (N	AluSx|SIN	10007	NR_026950	283922	Hs.558726	NR_026950	ENSG0000C	LOC283922	-	pyruvate	pseudo
chr16-748	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr16	74891485	74893879	+	0	NA	intron (N	intron (N	92441	NM_030581	79726	Hs.280951	NM_030581	ENSG0000C	WDR59	CDW12|FP9	WD repeat	protein-coding
chr16-878	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr16	87849791	87851146	+	0	NA	intron (N	intron (N	-3428	NR_162122	1.13E+08		NR_162122		MIR11401	-	microRNA	ncRNA
chr17-229	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	2294945	2300313	+	0	NA	intron (N	intron (N	6156	NM_017575	23293	Hs.448342	NM_017575	ENSG0000C	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-417	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	4174796	4181364	+	0	NA	intron (N	intron (N	34383	NM_001254	124936	Hs.513871	NM_144611	ENSG0000C	CYB5D2	-	cytochrom	protein-coding
chr17-107	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	10709203	10712310	+	0	NA	TTS (NM_C	TTS (NM_C	5826	NR_049723	1.01E+08	Hs.674373	NR_049723		MAGOH2P	MAGOH2	mago homc	pseudo
chr17-397	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	39707762	39713141	+	0	NA	exon (NM_	exon (NM_	10473	NR_110535	2064	Hs.446352	NM_004448	ENSG0000C	ERBB2	CD340|HEF	erb-b2 re	protein-coding
chr17-481	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	48112710	48114391	+	0	NA	intron (N	AluJr|SIN	5965	NM_013323	29916	Hs.15827	NM_013323	ENSG0000C	SNX11	-	sorting r	protein-coding
chr17-634	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	63411500	63416266	+	0	NA	intron (N	intron (N	26384	NM_001330	1534	Hs.355264	NM_001915	ENSG0000C	CYB561	CYB561A1|	cytochrom	protein-coding
chr17-787	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr17	78794458	78798744	+	0	NA	3’ UTR (N	3’ UTR (N	-14259	NM_004762	9267	Hs.191215	NM_004762	ENSG0000C	CYTH1	B2-1|CYTC	cytohesin	protein-coding
chr19-591	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr19	5915488	5919316	+	0	NA	3’ UTR (N	3’ UTR (N	3148	NM_004058	828	Hs.584744	NM_004058	ENSG0000C	CAPS	CAPS1	calcyphos	protein-coding
chr19-420	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr19	42078716	42081326	+	0	NA	exon (NM_	exon (NM_	3855	NM_022752	64763	Hs.13323	NM_022752	ENSG0000C	ZNF574	FP972	zinc fing	protein-coding
chr2-2723	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr2	27236030	27242335	+	0	NA	exon (NM_	exon (NM_	21792	NM_001306	790	Hs.377010	NM_004341	ENSG0000C	CAD	CDG1Z|EIE	carbamoyl	protein-coding
chr2-3687	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr2	36876471	36876968	+	0	NA	intron (N	intron (N	89817	NM_003162	6801	Hs.127486	NM_003162	ENSG0000C	STRN	PPP2R6A|S	striatin	protein-coding
chr2-7114	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr2	71142972	71145634	+	0	NA	intron (N	intron (N	13669	NM_005791	10199	Hs.656208	NM_005791	ENSG0000C	MPHOSPH10	CT90|MPP1	M-phase p	protein-coding
chr2-9792	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr2	97924388	97925897	+	0	NA	intron (N	AluJb|SIN	70806	NM_015348	23505	Hs.469376	NM_015348	ENSG0000C	TMEM131	CC28|PRO1	transmemb	protein-coding
chr2-2299	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	13460	NM_001348	9320	Hs.572642	NM_004238	ENSG0000C	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr20-325	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr20	3252226	3253620	+	0	NA	intron (N	intron (N	-13733	NM_001174	83959	Hs.105607	NM_032034	ENSG0000C	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-138	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr20	13808189	13812212	+	0	NA	intron (N	L2b|LINE|	25172	NR_147982	79133	Hs.472165	NM_024120	ENSG0000C	NDUFAF5	C20orf7|M	NADH:ubic	protein-coding
chr20-636	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr20	63667671	63669051	+	0	NA	intron (N	L2a|LINE|	10551	NM_032957	51750	Hs.745057	NM_016434	ENSG0000C	RTEL1	C20orf41|	regulator	protein-coding
chr21-392	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr21	39235210	39238512	+	0	NA	intron (N	intron (N	-53347	NM_203433	8624	Hs.473838	NM_003720	ENSG0000C	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-1414	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr3	14146905	14148637	+	0	NA	intron (N	intron (N	22831	NM_024334	79188	Hs.517817	NM_024334	ENSG0000C	TMEM43	ARVC5|ARV	transmemb	protein-coding
chr3-5762	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr3	57627353	57630730	+	0	NA	intron (N	intron (N	31252	NR_132369	1.06E+08	Hs.667207	NR_132369	ENSG0000C	ARF4-AS1	-	ARF4 anti	ncRNA
chr3-1958	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	10287	NR_106887	1.02E+08		NR_106887	ENSG0000C	MIR6829	hsa-mir-6	microRNA	ncRNA
chr4-1357	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr4	13579490	13581880	+	0	NA	intron (N	intron (N	-32861	NR_015450	285548	Hs.529284	NR_015450		LINC01096	-	long inte	ncRNA
chr5-1321	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	HAL1|LINE	9168	NR_047470	1.01E+08	Hs.519568	NR_047470	ENSG0000C	P4HA2-AS1	-	P4HA2 ant	ncRNA
chr5-1797	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-17363	NM_145867	4056	Hs.706741	NM_145867	ENSG0000C	LTC4S	-	leukotrie	protein-coding
chr6-4206	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr6	42067980	42069172	+	0	NA	exon (NM_	exon (NM_	18052	NM_138572	129685	Hs.520122	NM_138572	ENSG0000C	TAF8	II|TAF|TA	TATA-box	protein-coding
chr6-9055	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr6	90558707	90560324	+	0	NA	intron (N	intron (N	27557	NM_003188	6885	Hs.594838	NM_003188	ENSG0000C	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr7-7640	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr7	764084	766274	+	0	NA	intron (N	MIR|SINE|	-37503	NM_001164	5575	Hs.520851	NM_002735	ENSG0000C	PRKAR1B	PRKAR1	protein k	protein-coding
chr7-2656	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr7	2656378	2658505	+	0	NA	intron (N	(GTGATG)r	-22081	NM_133463	155185	Hs.42221	NM_133463	ENSG0000C	AMZ1	-	archaelys	protein-coding
chr7-7550	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr7	75505331	75508175	+	0	NA	TTS (NR_C	TTS (NR_C	13126	NM_001306	442590	Hs.632298	NM_001099	ENSG0000C	SPDYE5	-	speedy/RI	protein-coding
chr7-1062	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	34286	NM_005746	10135	Hs.489615	NM_005746	ENSG0000C	NAMPT	111003501	nicotinam	protein-coding
chr7-1589	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	AluY|SINE	-70866	NR_024394	154822	Hs.544783	NM_198345	ENSG0000C	LINC00689	-	long inte	ncRNA
chr9-1140	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	29019	NM_001633	259	Hs.436911	NM_001633	ENSG0000C	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-1305	7.178517	0.341603	0.86163	0.396461	0.691765	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	18922	NM_003934	8939	Hs.98751	NM_003934	ENSG0000C	FUBP3	FBP3	far upstr	protein-coding
chr19-119	13.87034	0.252213	0.636363	0.396335	0.691858	0.981636	chr19	11902175	11906451	+	0	NA	intron (N	AluJr|SIN	16531	NM_001364	7620	Hs.565280	NM_021915	ENSG0000C	ZNF69	Cos5|hZNF	zinc fing	protein-coding
chr1-7470	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr1	74703322	74704096	+	0	NA	Intergeni	Intergeni	29341	NM_001889	1429	Hs.83114	NM_001889	ENSG0000C	CRYZ	-	crystalli	protein-coding
chr12-132	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	24570	NM_170682	22953	Hs.258580	NM_012226	ENSG0000C	P2RX2	DFNA41|P2	purinergi	protein-coding
chr13-503	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr13	50380608	50381300	+	0	NA	intron (N	LTR85b|LT	146495	NR_125753	1.04E+08	Hs.722230	NR_125753	ENSG0000C	DLEU1-AS1	LINC01308	DLEU1 ant	ncRNA
chr17-618	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr17	61894073	61894678	+	0	NA	intron (N	intron (N	-30816	NM_032043	83990	Hs.128903	NM_032043	ENSG0000C	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr2-1572	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	12042	NM_001329	11227	Hs.269027	NM_014568	ENSG0000C	GALNT5	GALNAC-T5	polypepti	protein-coding
chr21-348	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr21	34842882	34843677	+	0	NA	intron (N	(CA)n|Sim	45420	NM_001001	861	Hs.149261	NM_001754	ENSG0000C	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr3-3063	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr3	30630848	30631457	+	0	NA	intron (N	AluSc|SIN	24551	NM_003242	7048	Hs.82028	NM_003242	ENSG0000C	TGFBR2	AAT3|FAA3	transform	protein-coding
chr6-8753	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr6	87532685	87533341	+	0	NA	intron (N	intron (N	56974	NM_020320	57038	Hs.485910	NM_020320	ENSG0000C	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr7-1351	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	L1M2a1|LI	8487	NM_018295	55281	Hs.521213	NM_018295	ENSG0000C	TMEM140	-	transmemb	protein-coding
chr9-1348	4.66655	-0.41975	1.059319	-0.39624	0.691926	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	L2b|LINE|	14702	NR_039691	1.01E+08		NR_039691	ENSG0000C	MIR3689C	-	microRNA	ncRNA
chr18-478	7.44225	-0.33776	0.853053	-0.39594	0.692148	0.981636	chr18	47844863	47845443	+	0	NA	intron (N	intron (N	85506	NM_005901	4087	Hs.12253	NM_005901	ENSG0000C	SMAD2	JV18|JV18	SMAD fami	protein-coding
chr4-2505	7.44225	-0.33776	0.853053	-0.39594	0.692148	0.981636	chr4	2505798	2506519	+	0	NA	intron (N	intron (N	-29217	NM_001366	8603	Hs.652364	NM_003704	ENSG0000C	FAM193A	C4orf8|RE	family wi	protein-coding
chr5-1501	7.44225	-0.33776	0.853053	-0.39594	0.692148	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-2424	NM_005211	1436	Hs.586219	NM_005211	ENSG0000C	CSF1R	C-FMS|CD1	colony st	protein-coding
chrX-5294	7.44225	-0.33776	0.853053	-0.39594	0.692148	0.981636	chrX	52947652	52948691	+	0	NA	exon (NM_	exon (NM_	8584	NM_001099	727866	Hs.6451	NM_001099	ENSG0000C	FAM156B	TMEM29B	family wi	protein-coding
chr10-683	10.64012	-0.2848	0.719522	-0.39581	0.692244	0.981636	chr10	68338344	68345608	+	0	NA	intron (N	intron (N	-9048	NM_022129	64081	Hs.198158	NM_022129	ENSG0000C	PBLD	HEL-S-306	phenazine	protein-coding
chr20-179	10.64012	-0.2848	0.719522	-0.39581	0.692244	0.981636	chr20	17943679	17955500	+	0	NA	intron (N	intron (N	13357	NR_003045	692086	Hs.680747	NR_003045	ENSG0000C	SNORD17	HBI-43	small nuc	snoRNA
chr3-1599	10.64012	-0.2848	0.719522	-0.39581	0.692244	0.981636	chr3	1.6E+08	1.6E+08	+	0	NA	intron (N	MLT1D|LTR	2932	NM_001354	3592	Hs.673	NM_000882	ENSG0000C	IL12A	CLMF|IL-1	interleuk	protein-coding
chr7-1287	10.64012	-0.2848	0.719522	-0.39581	0.692244	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	11179	NM_001199	813	Hs.7753	NM_001219	ENSG0000C	CALU	-	calumenin	protein-coding
chr7-1523	6.177483	0.376839	0.952307	0.395712	0.692318	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	Tigger2b_	88753	NM_170606	58508	Hs.647120	NM_021230	ENSG0000C	KMT2C	HALR|KLEF	lysine me	protein-coding
chr17-596	9.238181	-0.3188	0.805663	-0.3957	0.692328	0.981636	chr17	59607220	59607503	+	0	NA	3’ UTR (N	3’ UTR (N	-12328	NM_001288	1213	Hs.491351	NM_004859	ENSG0000C	CLTC	CHC|CHC17	clathrin	protein-coding
chr10-125	8.238257	0.323224	0.816924	0.395661	0.692355	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	2172	NR_110859	26098	Hs.468688	NM_015608	ENSG0000C	EDRF1	C10orf137	erythroic	protein-coding
chr9-1372	8.238257	0.323224	0.816924	0.395661	0.692355	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NM_C	TTS (NM_C	4847	NM_017723	54863	Hs.495541	NM_017723	ENSG0000C	TOR4A	C9orf167	torsin fa	protein-coding
chr1-3622	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr1	36228371	36232510	+	0	NA	intron (N	AluSx1|SI	5997	NM_001321	9967	Hs.744057	NM_005119	ENSG0000C	THRAP3	BCLAF2|TF	thyroid h	protein-coding
chr11-937	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr11	93759171	93760377	+	0	NA	exon (NM_	exon (NM_	13331	NM_001369	28970	Hs.8360	NM_014039	ENSG0000C	C11orf54	PTD012|PT	chromosom	protein-coding
chr11-108	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	108189	NM_001351	472	Hs.367437	NM_000051	ENSG0000C	ATM	AT1|ATA|A	ATM serin	protein-coding
chr16-749	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr16	74915865	74916064	+	0	NA	exon (NM_	exon (NM_	69159	NM_030581	79726	Hs.280951	NM_030581	ENSG0000C	WDR59	CDW12|FP9	WD repeat	protein-coding
chr2-2192	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	TTS (NM_1	TTS (NM_1	3220	NM_001270	130617	Hs.534540	NM_138802	ENSG0000C	ZFAND2B	AIRAPL	zinc fing	protein-coding
chr4-4850	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr4	48509838	48510923	+	0	NA	intron (N	intron (N	20128	NM_175619	326340	Hs.276457	NM_175619	ENSG0000C	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr4-1192	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L1PA7|LIN	38729	NM_001371396								
chr4-1434	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	-51508	NM_003601	8467	Hs.558422	NM_003601	ENSG0000C	SMARCA5	ISWI|SNF2	SWI/SNF r	protein-coding
chr5-3892	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr5	38921446	38923365	+	0	NA	intron (N	intron (N	76393	NM_001323	9180	Hs.120658	NM_003999	ENSG0000C	OSMR	IL-31R-be	oncostati	protein-coding
chr9-2717	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr9	27172695	27174970	+	0	NA	intron (N	AluJo|SIN	64691	NM_000459	7010	Hs.89640	NM_000459	ENSG0000C	TEK	CD202B|GI	TEK recep	protein-coding
chr9-3724	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr9	37249602	37250104	+	0	NA	intron (N	intron (N	129255	NM_001289	84186	Hs.654700	NM_032226	ENSG0000C	ZCCHC7	AIR1|HSPC	zinc fing	protein-coding
chr9-1222	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	27701	NM_001346	92399	Hs.368011	NM_138777	ENSG0000C	MRRF	MRFF|MTRF	mitochonc	protein-coding
chrX-4498	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chrX	44988914	44989430	+	0	NA	intron (N	L1PA4|LIN	115997	NM_021140	7403	Hs.522616	NM_021140	ENSG0000C	KDM6A	KABUK2|UT	lysine de	protein-coding
chrX-4903	7.434392	-0.33602	0.849384	-0.3956	0.692398	0.981636	chrX	49036516	49039642	+	0	NA	exon (NM_	exon (NM_	5278	NM_001282	7030	Hs.730740	NM_006521	ENSG0000C	TFE3	RCCP2|RCC	transcrip	protein-coding
chr1-2479	11.11729	-0.2794	0.706388	-0.39553	0.692451	0.981636	chr1	24798489	24799821	+	0	NA	intron (N	SVA_F|Ret	53708	NM_013943	25932	Hs.440544	NM_013943	ENSG0000C	CLIC4	CLIC4L|H1	chloride	protein-coding
chr16-704	6.632932	0.357454	0.904367	0.395254	0.692656	0.981636	chr16	70478035	70478405	+	0	NA	intron (N	intron (N	23625	NM_145059	197258	Hs.7907	NM_145059	ENSG0000C	FCSK	1110046B1	fucose ki	protein-coding
chr8-1445	6.632932	0.357454	0.904367	0.395254	0.692656	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	exon (NM_	exon (NM_	2949	NM_014665	9684	Hs.459391	NM_014665	ENSG0000C	LRRC14	LRRC14A	leucine r	protein-coding
chr14-688	11.10943	-0.27817	0.704208	-0.39502	0.692831	0.981636	chr14	68869263	68884627	+	0	NA	intron (N	intron (N	-80702	NM_001244	677	Hs.85155	NM_004926	ENSG0000C	ZFP36L1	BRF1|Berg	ZFP36 rin	protein-coding
chr22-415	4.633269	-0.42779	1.083867	-0.39469	0.693071	0.981636	chr22	41580447	41581552	+	0	NA	intron (N	AluSc|SIN	8841	NM_002676	5372	Hs.75835	NM_002676	ENSG0000C	PMM1	PMM 1|PMM	phosphoma	protein-coding
chr16-864	7.450108	-0.33951	0.860403	-0.39459	0.693144	0.981636	chr16	86498554	86499364	+	0	NA	intron (N	CpG	9901	NR_033925	400550	Hs.448825	NR_033925	ENSG0000C	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr1-5510	10.59898	-0.2868	0.72696	-0.39451	0.693202	0.981636	chr1	55102938	55103816	+	0	NA	intron (N	L2c|LINE|	63155	NR_110451	255738	Hs.18844	NM_174936	ENSG0000C	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr14-496	10.59898	-0.2868	0.72696	-0.39451	0.693202	0.981636	chr14	49618638	49619432	+	0	NA	exon (NM_	exon (NM_	1591	NM_001001	6166	Hs.444749	NM_001001	ENSG0000C	RPL36AL	RPL36A	ribosomal	protein-coding
chr1-2306	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	27764	NM_000029	183	Hs.19383	NM_000029	ENSG0000C	AGT	ANHU|SERF	angiotens	protein-coding
chr12-132	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-19332	NR_002979	677829	Hs.742405	NR_002979	ENSG0000C	SNORA49	ACA49	small nuc	snoRNA
chr17-480	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr17	48060280	48064342	+	0	NA	TTS (NM_C	TTS (NM_C	13952	NM_003204	4779	Hs.514284	NM_003204	ENSG0000C	NFE2L1	LCR-F1|NF	nuclear f	protein-coding
chr20-351	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr20	35136968	35138487	+	0	NA	intron (N	intron (N	9609	NM_001145	55741	Hs.720177	NM_018217	ENSG0000C	EDEM2	C20orf31|	ER degrac	protein-coding
chr20-476	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr20	47652160	47653933	+	0	NA	exon (NM_	exon (NM_	133018	NM_018837	55959	Hs.162016	NM_018837	ENSG0000C	SULF2	HSULF-2	sulfatase	protein-coding
chr3-3731	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr3	37313826	37314565	+	0	NA	intron (N	AluSx|SIN	-70000	NR_149029	152048	Hs.596176	NM_152532	ENSG0000C	LOC152048	-	uncharact	ncRNA
chr4-4758	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr4	47585853	47588128	+	0	NA	intron (N	intron (N	-65679	NR_107020	1.02E+08		NR_107020	ENSG0000C	MIR8053	hsa-mir-8	microRNA	ncRNA
chr7-5313	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr7	5313189	5316996	+	0	NA	exon (NM_	exon (NM_	32149	NM_001040	222962	Hs.4302	NM_153247	ENSG0000C	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-1512	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	-4532	NM_001369	1.14E+08	Hs.686793	NM_001369125		LOC114483	-	novel his	protein-coding
chr8-4728	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr8	47286241	47287826	+	0	NA	intron (N	MER11A|LT	26095	NM_001080	23514	Hs.381058	NM_001080	ENSG0000C	SPIDR	KIAA0146	scaffold	protein-coding
chr9-7170	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr9	71700388	71701219	+	0	NA	exon (NM_	exon (NM_	67710	NM_001135	23670	Hs.494146	NM_013390	ENSG0000C	CEMIP2	TMEM2	cell migr	protein-coding
chr9-1329	7.716245	0.329745	0.836019	0.394423	0.693269	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	16129	NM_001362	7248	Hs.370854	NM_000368	ENSG0000C	TSC1	LAM|TSC	TSC compl	protein-coding
chr2-9626	10.17866	-0.29321	0.743565	-0.39433	0.693335	0.981636	chr2	96269320	96269666	+	0	NA	intron (N	intron (N	3268	NM_004804	9391	Hs.12109	NM_004804	ENSG0000C	CIAO1	CIA1|WDR3	cytosolic	protein-coding
chr22-363	10.17866	-0.29321	0.743565	-0.39433	0.693335	0.981636	chr22	36348817	36349495	+	0	NA	exon (NM_	exon (NM_	38911	NM_002473	4627	Hs.474751	NM_002473	ENSG0000C	MYH9	BDPLT6|DF	myosin he	protein-coding
chr12-160	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr12	16014234	16014590	+	0	NA	intron (N	THE1D-int	103080	NM_015954	51071	Hs.39429	NM_015954	ENSG0000C	DERA	CGI-26|DE	deoxyribc	protein-coding
chr12-576	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr12	57608620	57609423	+	0	NA	intron (N	intron (N	-1095	NM_001111	115557	Hs.61581	NM_133483	ENSG0000C	ARHGEF25	GEFT|p63F	Rho guani	protein-coding
chr17-182	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr17	18241875	18244181	+	0	NA	intron (N	intron (N	15710	NM_002018	2314	Hs.513984	NM_002018	ENSG0000C	FLII	FLI|FLIL|	FLII acti	protein-coding
chr19-481	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr19	4817450	4819156	+	0	NA	exon (NM_	exon (NM_	13439	NM_182919	148022	Hs.29344	NM_014261	ENSG0000C	TICAM1	IIAE6|MyI	toll like	protein-coding
chr20-487	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr20	4872261	4874403	+	0	NA	intron (N	intron (N	-49724	NM_014737	9770	Hs.631504	NM_014737	ENSG0000C	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr4-5814	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr4	5814547	5815550	+	0	NA	TTS (NM_1	TTS (NM_1	72765	NM_001288	1400	Hs.135270	NM_001313	ENSG0000C	CRMP1	CRMP-1|DF	collapsin	protein-coding
chr6-3344	6.681929	0.356818	0.904892	0.394321	0.693344	0.981636	chr6	33447758	33448972	+	0	NA	intron (N	intron (N	-6211	NM_152735	221504	Hs.591805	NM_152735	ENSG0000C	ZBTB9	ZNF919	zinc fing	protein-coding
chr11-902	4.230517	-0.44532	1.129596	-0.39423	0.693413	0.981636	chr11	90216454	90217522	+	0	NA	intron (N	intron (N	6061	NM_012124	26973	Hs.22857	NM_012124	ENSG0000C	CHORDC1	CHP1	cysteine	protein-coding
chrX-5362	4.230517	-0.44532	1.129596	-0.39423	0.693413	0.981636	chrX	53621400	53622229	+	0	NA	intron (N	intron (N	-64540	NR_029484	406889		NR_029484	ENSG0000C	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr11-123	6.923938	-0.35343	0.896985	-0.39402	0.693565	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	15689	NM_024769	79827	Hs.591949	NM_024769	ENSG0000C	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr16-118	6.923938	-0.35343	0.896985	-0.39402	0.693565	0.981636	chr16	11872828	11873731	+	0	NA	intron (N	intron (N	-21737	NM_015659	26156	Hs.401842	NM_015659	ENSG0000C	RSL1D1	CSIG|L12|	ribosomal	protein-coding
chr18-318	6.64079	0.355202	0.90161	0.393964	0.693608	0.981636	chr18	31836917	31838372	+	0	NA	intron (N	AluSz6|SI	-76764	NM_001034	147407	Hs.567708	NM_001034	ENSG0000C	SLC25A52	MCART2	solute ca	protein-coding
chr2-2022	6.64079	0.355202	0.90161	0.393964	0.693608	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluY|SINE	14340	NM_001005	7341	Hs.81424	NM_003352	ENSG0000C	SUMO1	DAP1|GMP1	small ubi	protein-coding
chr2-2317	6.64079	0.355202	0.90161	0.393964	0.693608	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	Plat_L3|I	2797	NM_001282	64708	Hs.335061	NM_022730	ENSG0000C	COPS7B	CSN7B|SGN	COP9 sigr	protein-coding
chrX-6884	6.64079	0.355202	0.90161	0.393964	0.693608	0.981636	chrX	68840592	68841141	+	0	NA	3’ UTR (N	3’ UTR (N	11869	NM_004429	1947	Hs.144700	NM_004429	ENSG0000C	EFNB1	CFND|CFNS	ephrin B1	protein-coding
chr11-696	7.870425	-0.32785	0.832537	-0.3938	0.693732	0.981636	chr11	69669385	69669996	+	0	NA	intron (N	intron (N	5663	NM_153451	220064	Hs.667996	NM_153451	ENSG0000C	LTO1	CIAB1|ORA	LTO1 matu	protein-coding
chr22-363	7.870425	-0.32785	0.832537	-0.3938	0.693732	0.981636	chr22	36343995	36345686	+	0	NA	intron (N	intron (N	43227	NM_002473	4627	Hs.474751	NM_002473	ENSG0000C	MYH9	BDPLT6|DF	myosin he	protein-coding

chr1-2688	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	26888828	26889133	+	0	NA	exon (NM_	exon (NM_	1303	NM_018066	54707	Hs.14333	NM_018066	ENSG00000	GPN2	ATPBD1B	GPN-loop	protein-coding
chr1-3125	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	31258347	31259535	+	0	NA	TTS (NM_0	TTS (NM_0	-19054	NM_024522	79570	Hs.470259	NM_024522	ENSG00000	NKAIN1	FAM77C	sodium/po	protein-coding
chr1-1089	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1M3|LINE	22881	NM_001278	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr1-1147	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	18369	NM_001242	7812	Hs.69855	NM_007158	ENSG00000	CSDE1	D1S155E|U	cold shoc	protein-coding
chr1-2237	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	5788	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr1-2433	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-41240	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr10-104	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	L1ME3Cz|L	34101	NM_014720	9748	Hs.591922	NM_014720	ENSG00000	SLK	LOSK|STK2	STE20 lik	protein-coding
chr10-124	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-15961	NM_014661	9679	Hs.129195	NM_014661	ENSG00000	FAM53B	KIAA0140|	family wi	protein-coding
chr12-216	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr12	21635000	21638257	+	0	NA	intron (N	intron (N	21166	NM_001174	3945	Hs.446149	NM_002300	ENSG00000	LDHB	HEL-S-281	lactate d	protein-coding
chr12-780	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr12	78022063	78023192	+	0	NA	intron (N	intron (N	191733	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr13-514	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr13	51427863	51430245	+	0	NA	intron (N	MIRc|SINE	23982	NM_012141	26512	Hs.439440	NM_012141	ENSG00000	INTS6	DBI-1|DDX	integrato	protein-coding
chr14-356	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr14	35621645	35622360	+	0	NA	intron (N	L1PA6|LIN	87838	NM_032594	84684	Hs.62813	NM_032594	ENSG00000	INSM2	IA-6|IA6|	INSM tran	protein-coding
chr15-413	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr15	41394166	41395286	+	0	NA	intron (N	AluSx|SIN	7770	NR_045620	51103	Hs.106529	NM_016013	ENSG00000	NDUFAF1	CGI-65|CG	NADH:ubiq	protein-coding
chr15-425	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr15	42560546	42562876	+	0	NA	TTS (NM_0	TTS (NM_0	12873	NM_001130	55142	Hs.14347	NM_018097	ENSG00000	HAUS2	C15orf25|	HAUS augm	protein-coding
chr15-505	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr15	50559297	50559775	+	0	NA	non-codin	non-codin	-12870	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-890	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr16	8905693	8908235	+	0	NA	intron (N	intron (N	29675	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr16-224	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr16	22496551	22498288	+	0	NA	Intergeni	Intergeni	-7030	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr16-311	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr16	31122114	31123003	+	0	NA	intron (N	MER3|DNA|	4894	NM_032188	84148	Hs.533803	NM_032188	ENSG00000	KAT8	MOF|MYST1	lysine ac	protein-coding
chr17-171	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr17	17182277	17183874	+	0	NA	intron (N	intron (N	23258	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-319	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr17	31986924	31987634	+	0	NA	intron (N	L2|LINE|L	-20104	NM_001321	114659	Hs.514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr17-376	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr17	37637342	37638441	+	0	NA	intron (N	HSMAR2|DN	5555	NM_001291	11056	Hs.590937	NM_007010	ENSG00000	DDX52	HUSSY19|F	DExD-box	protein-coding
chr2-2003	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	L1PA4|LIN	24906	NM_001282	26010	Hs.120323	NM_015535	ENSG00000	SPATS2L	DNAPTP6|S	spermatog	protein-coding
chr2-2017	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	15166	NM_020919	57679	Hs.471096	NM_020919	ENSG00000	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr20-564	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr20	56406571	56408206	+	0	NA	Intergeni	L1MB7|LIN	-4648	NM_001164	57091	Hs.473144	NM_020356	ENSG00000	CASS4	C20orf32|	Cas scaff	protein-coding
chr3-5272	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr3	52728535	52729965	+	0	NA	intron (N	MER11A|LT	23144	NM_014041	28972	Hs.11125	NM_014041	ENSG00000	SPCS1	HSPC033|S	signal pe	protein-coding
chr3-1055	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	179601	NM_001627	214	Hs.591293	NM_001627	ENSG00000	ALCAM	CD166|MEM	activated	protein-coding
chr4-6766	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr4	67663732	67667432	+	0	NA	intron (N	L1M5|LINE	35573	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOF	ubiquitin	protein-coding
chr4-9990	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr4	99902398	99904687	+	0	NA	intron (N	MIRb|SINE	-8996	NR_024170	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr5-7964	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr5	79643174	79647164	+	0	NA	exon (NM_	exon (NM_	32728	NM_001349	167153	Hs.418198	NM_173797	ENSG00000	TENT2	APD4|GLD2	terminal	protein-coding
chr5-8733	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr5	87332989	87334314	+	0	NA	intron (N	intron (N	-10023	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr5-1432	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	TTS (NM_0	TTS (NM_0	101351	NR_046816	1.01E+08	Hs.666717	NR_046816	ENSG00000	ARHGAP26-	-	ARHGAP26	ncRNA
chr6-5718	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr6	57189440	57191160	+	0	NA	TTS (NM_0	TTS (NM_0	17974	NM_004282	9532	Hs.745046	NM_004282	ENSG00000	BAG2	BAG-2|dJ4	BCL2 asso	protein-coding
chr6-1697	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJb|SIN	-10497	NR_026780	80069	Hs.677182	NM_025002	ENSG00000	LINC00574	C6orf208|	long inte	ncRNA
chr7-1055	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	3137	NM_001318	54517	Hs.520619	NM_019042	ENSG00000	PUS7	IDDABS	pseudouri	protein-coding
chr7-1278	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	155713	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-1301	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2b|LINE|	-19241	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-1222	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MEi|LIN	12562	NM_001346	92399	Hs.368011	NM_138777	ENSG00000	MRRF	MRFF|MTRF	mitochond	protein-coding
chr9-1305	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	16239	NM_003934	8939	Hs.98751	NM_003934	ENSG00000	FUBP3	FBP3	far upstr	protein-coding
chrX-6573	7.426534	-0.33426	0.84924	-0.3936	0.693875	0.981636	chrX	65734771	65735414	+	0	NA	intron (N	MIR3|SINE	67438	NM_002444	4478	Hs.87752	NM_002444	ENSG00000	MSN	HEL70|IMD	moesin	protein-coding
chr19-797	6.715211	0.360663	0.916433	0.393551	0.693912	0.981636	chr19	7972484	7974345	+	0	NA	intron (N	AluY|SINE	-29748	NM_006351	10469	Hs.465784	NM_006351	ENSG00000	TIMM44	TIM44	transloca	protein-coding
chr5-1543	7.749527	0.33332	0.847005	0.393528	0.69393	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	MIRb|SINE	29752	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr2-8730	6.965078	-0.35027	0.890115	-0.39351	0.693946	0.981636	chr2	8730050	8730390	+	0	NA	3’ UTR (N	3’ UTR (N	48164	NM_002166	3398	Hs.180919	NM_002166	ENSG00000	ID2	GIG8|ID2A	inhibitor	protein-coding
chr2-2307	6.965078	-0.35027	0.890115	-0.39351	0.693946	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	26301	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr4-7612	6.965078	-0.35027	0.890115	-0.39351	0.693946	0.981636	chr4	76129165	76129762	+	0	NA	intron (N	L1MD2|LIN	18934	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-1284	6.965078	-0.35027	0.890115	-0.39351	0.693946	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L1PA3|LIN	49584	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr8-4241	6.965078	-0.35027	0.890115	-0.39351	0.693946	0.981636	chr8	42416807	42417064	+	0	NA	3’ UTR (N	3’ UTR (N	25055	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr12-928	11.10157	-0.27696	0.703997	-0.39342	0.694013	0.981636	chr12	92840359	92843453	+	0	NA	intron (N	L1MB2|LIN	87389	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early end	protein-coding
chr6-1108	11.10157	-0.27696	0.703997	-0.39342	0.694013	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	TTS (NM_0	TTS (NM_0	21488	NM_001287	262	Hs.159118	NM_001634	ENSG00000	AMD1	ADOMETDC|	adenosylm	protein-coding
chr7-1079	11.10157	-0.27696	0.703997	-0.39342	0.694013	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	Tigger3a|	33279	NM_002291	3912	Hs.650585	NM_002291	ENSG00000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr1-1009	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MB3|LIN	41457	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr1-1145	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	11179	NM_005872	10286	Hs.22960	NM_005872	ENSG00000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr1-1163	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	10338	NM_001160	476	Hs.371889	NM_000701	ENSG00000	ATP1A1	CMT2DD|HO	ATPase Na	protein-coding
chr1-1479	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	17222	NM_016334	51463	Hs.504320	NM_016334	ENSG00000	GPR89B	GPHR|GPR8	G protein	protein-coding
chr1-2242	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	-16637	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr10-593	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr10	5932396	5932877	+	0	NA	intron (N	L1MC5a|LI	36292	NM_001351	3601	Hs.445124	NM_002189	ENSG00000	IL15RA	CD215	interleuk	protein-coding
chr11-341	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr11	34109300	34121508	+	0	NA	intron (N	L2c|LINE|	9775	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr14-677	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr14	67769279	67770188	+	0	NA	intron (N	intron (N	46857	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr15-731	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr15	73116732	73117629	+	0	NA	intron (N	intron (N	64696	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NO	neogenin	protein-coding
chr16-756	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr16	75615852	75619593	+	0	NA	intron (N	MER5A|DNA	5559	NM_012091	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr19-982	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr19	9829692	9831001	+	0	NA	TTS (NM_0	TTS (NM_0	2428	NM_001048	59286	Hs.534477	NM_024292	ENSG00000	UBL5	HUB1	ubiquitin	protein-coding
chr2-2229	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	49343	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr20-367	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr20	36794245	36794870	+	0	NA	exon (NM_	exon (NM_	-20794	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr4-7312	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr4	73120150	73121316	+	0	NA	intron (N	intron (N	-50974	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr5-7375	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr5	73752999	73754306	+	0	NA	intron (N	intron (N	-59894	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-7474	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr5	74745279	74745980	+	0	NA	intron (N	intron (N	21488	NR_104006	84340	Hs.277154	NM_032380	ENSG00000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr6-1459	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	L1MEc|LIN	31730	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-1573	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	26586	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-1131	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr8	11310379	11313528	+	0	NA	intron (N	Tigger1|D	-19033	NM_054028	83650	Hs.458397	NM_054028	ENSG00000	SLC35G5	AMAC|AMAC	solute ca	protein-coding
chr9-1001	7.675106	0.328217	0.835277	0.392943	0.694361	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	intron (N	7257	NM_014425	27130	Hs.558477	NM_014425	ENSG00000	INVS	INV|NPH2|	inversin	protein-coding
chr16-322	14.38264	0.246164	0.626656	0.392821	0.694452	0.981636	chr16	3222087	3233048	+	0	NA	intron (N	THE1D|LTR	7591	NM_001145	7752	Hs.632222	NM_003454	ENSG00000	ZNF200	-	zinc fing	protein-coding
chr17-157	14.38264	0.246164	0.626656	0.392821	0.694452	0.981636	chr17	15701172	15717090	+	0	NA	intron (N	L1ME3A|LI	9379	NM_001369	57335	Hs.585799	NM_020652	ENSG00000	ZNF286A	ZNF286	zinc fing	protein-coding
chr16-196	14.83532	-0.24286	0.618382	-0.39274	0.694513	0.981636	chr16	1962060	1964164	+	0	NA	promoter-	promoter-	-6	NR_002326	26784	Hs.745496	NR_002326	ENSG00000	SNORA64	RNU64|U64	small nuc	snoRNA
chr14-687	14.87923	0.242592	0.617775	0.392686	0.694551	0.981636	chr14	68787306	68792607	+	0	NA	exon (NM_	exon (NM_	3958	NM_004926	677	Hs.85155	NM_004926	ENSG00000	ZFP36L1	BRF1|Berg	ZFP36 rin	protein-coding
chr11-122	7.862567	-0.32614	0.830758	-0.39258	0.694629	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MEc|LIN	38694	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr2-2312	7.862567	-0.32614	0.830758	-0.39258	0.694629	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	22040	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr16-218	10.63226	-0.2835	0.722469	-0.39241	0.694759	0.981636	chr16	21864550	21865056	+	0	NA	non-codin	non-codin	1932	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr1-2089	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr1	20898879	20899531	+	0	NA	intron (N	intron (N	89227	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr1-4266	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr1	42665124	42665961	+	0	NA	intron (N	intron (N	7119	NM_006347	10465	Hs.256639	NM_006347	ENSG00000	PPIH	CYP-20|CY	peptidylp	protein-coding
chr1-9681	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr1	96811294	96811636	+	0	NA	intron (N	AluSx4|SI	88827	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr10-300	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr10	30020516	30021104	+	0	NA	intron (N	intron (N	38776	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr13-772	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr13	77278423	77278692	+	0	NA	intron (N	L1MA7|LIN	48537	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|P	MYC bindi	protein-coding
chr19-324	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr19	32416496	32416742	+	0	NA	intron (N	MER77B|LT	10494	NM_207325	147991	Hs.194392	NM_207325	ENSG00000	DPY19L3	-	dpy-19 li	protein-coding
chr3-1461	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	MER5A|DNA	38560	NM_182943	5352	Hs.477866	NM_000935	ENSG00000	PLOD2	BRKS2|LH2	procollag	protein-coding
chr3-1491	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	29224	NM_032383	84343	Hs.558314	NM_032383	ENSG00000	HPS3	BLOC2S1|S	HPS3 biog	protein-coding
chr4-1282	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	4104	NM_006320	10424	Hs.507910	NM_006320	ENSG00000	PGRMC2	DG6|PMBP	progester	protein-coding
chr5-5310	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr5	53106411	53107686	+	0	NA	intron (N	intron (N	2709	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr7-1283	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	10883	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr7-1379	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSz6|SI	18364	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr8-1084	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MCa|LIN	10198	NM_014673	9694	Hs.654351	NM_014673	ENSG00000	EMC2	KIAA0103|	ER membra	protein-coding
chr9-1131	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	34694	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chrX-1294	7.385395	-0.33719	0.859318	-0.39239	0.694771	0.981636	chrX	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx3|SI	33872	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr15-619	8.204975	0.319873	0.815466	0.392258	0.694868	0.981636	chr15	61943970	61944380	+	0	NA	intron (N	L1PA16|LI	116272	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr2-1018	7.667248	0.330211	0.84198	0.392184	0.694922	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-136967	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chrX-5340	7.667248	0.330211	0.84198	0.392184	0.694922	0.981636	chrX	53409106	53410294	+	0	NA	intron (N	intron (N	-3935	NR_106916	1.02E+08		NR_106916	ENSG00000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr1-1590	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	AluYk3|SI	12113	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|P	interfero	protein-coding
chr15-405	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr15	40560400	40562736	+	0	NA	intron (N	L1PB3|LIN	3474	NM_001080	90416	Hs.654661	NM_052849	ENSG00000	CCDC32	C15orf57	coiled-co	protein-coding
chr17-372	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr17	37281319	37282832	+	0	NA	intron (N	MSTB|LTR|	17692	NM_198837	31	Hs.160556	NM_000664	ENSG00000	ACACA	ACAC|ACAC	acetyl-Co	protein-coding
chr2-1967	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	6795	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr7-3005	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr7	30054980	30056113	+	0	NA	intron (N	intron (N	10461	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr7-1492	8.212833	0.317975	0.811563	0.391805	0.695202	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	12369	NM_003575	8427	Hs.729056	NM_003575	ENSG00000	ZNF282	HUB1	zinc fing	protein-coding
chr1-1550	7.219657	0.343115	0.875853	0.39175	0.695243	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	12951	NM_001252	51043	Hs.729279	NM_001252	ENSG00000	ZBTB7B	CKROX|THP	zinc fing	protein-coding
chr14-204	7.219657	0.343115	0.875853	0.39175	0.695243	0.981636	chr14	20401008	20403592	+	0	NA	intron (N	AluSx1|SI	11201	NM_007110	7011	Hs.508835	NM_007110	ENSG00000	TEP1	TLP1|TP1|	telomeras	protein-coding
chr2-2161	7.219657	0.343115	0.875853	0.39175	0.695243	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	AluSz6|SI	-36473	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr1-3779	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr1	3779523	3782396	+	0	NA	3’ UTR (N	3’ UTR (N	8172	NM_001163	388588	Hs.22047	NM_001163	ENSG00000	SMIM1	Vel	small int	protein-coding
chr1-1257	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr1	12570641	12572893	+	0	NA	intron (N	AluSp|SIN	7256	NR_106788	1.02E+08		NR_106788	ENSG00000	MIR6730	hsa-mir-6	microRNA	ncRNA
chr1-2684	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr1	26841161	26842282	+	0	NA	intron (N	intron (N	15033	NM_032283	84243	Hs.523710	NM_032283	ENSG00000	ZDHHC18	DHHC-18|D	zinc fing	protein-coding
chr10-777	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr10	77790887	77794923	+	0	NA	intron (N	intron (N	133850	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr11-332	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr11	33286952	33287629	+	0	NA	exon (NM_	exon (NM_	28959	NM_001278	10114	Hs.201918	NM_005734	ENSG00000	HIPK3	DYRK6|FIS	homeodoma	protein-coding
chr12-119	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	5880	NM_006253	5564	Hs.741184	NM_006253	ENSG00000	PRKAB1	AMPK|HAMP	protein k	protein-coding
chr14-777	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr14	77723263	77725775	+	0	NA	intron (N	L1MA4|LIN	16416	NR_052025	81892	Hs.655105	NM_031210	ENSG00000	SLIRP	C14orf156	SRA stem-	protein-coding
chr16-826	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr16	82678	83321	+	0	NA	intron (N	intron (N	4774	NM_001015	4350	Hs.459596	NM_002434	ENSG00000	MPG	AAG|ADPG|	N-methylp	protein-coding
chr16-533	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr16	53313052	53313503	+	0	NA	intron (N	intron (N	57935	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-802	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr17	802485	804502	+	0	NA	intron (N	intron (N	21140	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr17-849	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr17	8492085	8492921	+	0	NA	exon (NM_	exon (NM_	56619	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-182	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr17	18208943	18211071	+	0	NA	TTS (NM_0	TTS (NM_0	-15628	NM_004140	3996	Hs.513983	NM_004140	ENSG00000	LLGL1	DLG4|HUGL	LLGL scri	protein-coding
chr19-364	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr19	3649811	3652087	+	0	NA	intron (N	AluSq2|SI	-24134	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr19-592	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr19	5920312	5925568	+	0	NA	intron (N	AluSz6|SI	8686	NM_004058	828	Hs.584744	NM_004058	ENSG00000	CAPS	CAPS1	calcyphos	protein-coding
chr19-189	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr19	18922096	18924362	+	0	NA	intron (N	intron (N	3514	NM_019070	54555	Hs.143187	NM_019070	ENSG00000	DDX49	Dbp8|R270	DEAD-box	protein-coding
chr2-2388	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr2	23884201	23885592	+	0	NA	intron (N	intron (N	42227	NM_017552	54454	Hs.467862	NM_017552	ENSG00000	ATAD2B	-	ATPase fa	protein-coding
chr2-2610	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr2	26101119	26101772	+	0	NA	intron (N	intron (N	67361	NM_016131	10890	Hs.467960	NM_016131	ENSG00000	RAB10	-	RAB10, me	protein-coding
chr2-4257	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr2	42576025	42580868	+	0	NA	intron (N	intron (N	9814	NM_001330	57504	Hs.435413	NM_020744	ENSG00000	MTA3	-	metastasi	protein-coding
chr2-2383	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	33040	NM_001139	26146	Hs.631898	NM_015650	ENSG00000	TRAF3IP1	IFT54|MIP	TRAF3 int	protein-coding
chr21-337	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr21	33769551	33772587	+	0	NA	intron (N	intron (N	128568	NM_001331	6453	Hs.90221	NM_003024	ENSG00000	ITSN1	ITSN|SH3D	intersect	protein-coding

chr4-518	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr4	51866891	51868056	+	0	NA	intron (N	MER52A|LT	23894	NM_001287	23142	Hs.605388	NM_015115	ENSG0000	DCUN1D4	-	defective	protein-coding
chr5-1377	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr5	13774292	13776934	+	0	NA	intron (N	MIR3|SINE	168867	NM_001369	1767	Hs.21236	NM_001369	ENSG0000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-4268	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr6	42688151	42689889	+	0	NA	intron (N	L2a|LINE|	33577	NM_000322	5961	Hs.654489	NM_000322	ENSG0000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-160	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	LTR5A|LTR	-9788	NR_003288	729603	Hs.67481	NR_003288	ENSG0000	LOC729603	-	calcineur	pseudo
chr7-6505	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr7	65056104	65056823	+	0	NA	intron (N	AluY|SINE	-9536	NR_145729	1.1E+08		NR_145729	ENSG0000	SNORA22C	-	small nuc	snoRNA
chr7-7559	7.186375	0.339455	0.866792	0.391622	0.695338	0.981636	chr7	75591220	75591827	+	0	NA	intron (N	intron (N	-63400	NR_028059	5387	Hs.659871	NM_005395	ENSG0000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr1-122	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	1220849	1223745	+	0	NA	intron (N	intron (N	-8144	NM_003327	7293	Hs.12978	NM_003327	ENSG0000	TNFRSF4	ACT35|CD1	TNF recep	protein-coding
chr1-1241	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	12416692	12418377	+	0	NA	intron (N	intron (N	-89712	NR_003025	677885	Hs.65845	NR_003025	ENSG0000	SNORA59A	ACA59	small nuc	snoRNA
chr1-8689	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	86899274	86900168	+	0	NA	intron (N	SVA_D|Ret	14405	NM_004261	9403	Hs.362728	NM_004261	ENSG0000	SELENOF	15-Sep	selenopro	protein-coding
chr1-1111	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	10153	NR_138483	10390	Hs.363572	NM_00609	ENSG0000	CEPT1	-	choline/e	protein-coding
chr1-1508	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJr|SIN	3794	NM_001286	405	Hs.632446	NM_001668	ENSG0000	ARNT	HIF-1-bet	aryl hydr	protein-coding
chr1-1988	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	L2a|LINE|	-19607	NR_029626	406995		NR_029626	ENSG0000	MIR181A1	MIR213|MI	microRNA	ncRNA
chr1-2064	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-31320	NM_014002	9641	Hs.321045	NM_014002	ENSG0000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr1-2352	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluJo|SIN	-19950	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr10-131	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr10	13140609	13144884	+	0	NA	Intergeni	Intergeni	-18812	NM_018518	55388	Hs.198363	NM_018518	ENSG0000	MCM10	CNA43|DNA	minichrom	protein-coding
chr10-792	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr10	79207503	79210480	+	0	NA	intron (N	intron (N	-138478	NM_005729	10105	Hs.381072	NM_005729	ENSG0000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr11-573	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr11	57312411	57314349	+	0	NA	exon (NM_	exon (NM_	11572	NM_033396	85456	Hs.53073	NM_033396	ENSG0000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr12-679	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr12	6794320	6796664	+	0	NA	intron (N	intron (N	5964	NM_001195	920	Hs.631659	NM_000616	ENSG0000	CD4	CD4mut	CD4 molec	protein-coding
chr12-144	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr12	14473584	14476249	+	0	NA	intron (N	intron (N	89635	NM_181352	55729	Hs.504856	NM_018179	ENSG0000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr12-559	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr12	55979303	55982027	+	0	NA	intron (N	intron (N	6587	NM_002868	5869	Hs.157659	NM_002868	ENSG0000	RAB5B	-	RAB5B, me	protein-coding
chr12-572	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr12	57255837	57259308	+	0	NA	intron (N	MIRc|SINE	-6385	NM_001286	246329	Hs.417595	NM_145064	ENSG0000	STAC3	MYPBB|NAM	SH3 and c	protein-coding
chr13-102	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	9916	NM_000123	2073	Hs.258429	NM_000123	ENSG0000	ERCC5	COFS3|ERC	ERCC exci	protein-coding
chr14-523	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr14	52315524	52317247	+	0	NA	intron (N	intron (N	2073	NM_000956	5732	Hs.2090	NM_000956	ENSG0000	PTGER2	EP2	prostagla	protein-coding
chr14-545	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr14	54522708	54525417	+	0	NA	intron (N	L2|LINE|L	14156	NM_006568	10668	Hs.59106	NM_006568	ENSG0000	CGRRF1	CGR19|RNF	cell grow	protein-coding
chr14-888	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr14	88878259	88882557	+	0	NA	non-codin	non-codin	55757	NM_001366	123016	Hs.303055	NM_144596	ENSG0000	TTC8	BBS8|RP51	tetratric	protein-coding
chr15-349	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr15	34916716	34918944	+	0	NA	intron (N	AluJo|SIN	51912	NM_014691	9716	Hs.510958	NM_014691	ENSG0000	AQR	IBP160|fS	aquarius	protein-coding
chr15-619	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr15	61915562	61915844	+	0	NA	exon (NM_	exon (NM_	144744	NM_017684	54832	Hs.511668	NM_017684	ENSG0000	VPS13C	PARK23	vacuolar	protein-coding
chr15-732	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr15	73297820	73304764	+	0	NA	intron (N	intron (N	1382	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr16-158	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr16	15882019	15883795	+	0	NA	intron (N	AluSx3|SI	5696	NM_001304	123811	Hs.514179	NM_14460	ENSG0000	FOPNL	C16orf63|	FGFR1OP N	protein-coding
chr16-289	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr16	28980779	28984500	+	0	NA	intron (N	MIR|SINE|	-2164	NM_001014	27040	Hs.632179	NM_014387	ENSG0000	LAT	IMD52|LAT	linker fo	protein-coding
chr16-563	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr16	56399586	56405443	+	0	NA	intron (N	intron (N	22475	NM_001323	267	Hs.295137	NM_001144	ENSG0000	AMFR	GP78|RNF4	autocrine	protein-coding
chr16-574	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr16	57464147	57468052	+	0	NA	intron (N	intron (N	3420	NM_03294	5432	Hs.79402	NM_002694	ENSG0000	POLR2C	RPB3|RPB3	RNA polym	protein-coding
chr17-82	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr17	82091511	82095738	+	0	NA	exon (NM_	exon (NM_	-3484	NR_132755	1.07E+08		NR_132755		SNORD134	ZL12	small nuc	snoRNA
chr19-107	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr19	10793009	10796995	+	0	NA	intron (N	AluJo|SIN	14748	NR_039903	1.01E+08		NR_039903	ENSG0000	MIR4748	mir-4748	microRNA	ncRNA
chr19-11	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr19	11022898	11024578	+	0	NA	intron (N	intron (N	39586	NM_001128	6597	Hs.327527	NM_003072	ENSG0000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-33	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr19	33088253	33090063	+	0	NA	intron (N	MIRc|SINE	7977	NM_018025	55094	Hs.466436	NM_018025	ENSG0000	GPATCH1	ECGP|GPAT	G-patch c	protein-coding
chr19-413	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr19	41316726	41318595	+	0	NA	intron (N	AluJb|SIN	7183	NM_001346	90324	Hs.437497	NM_052848	ENSG0000	CCDC97	-	coiled-co	protein-coding
chr19-573	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr19	57325129	57326866	+	0	NA	intron (N	intron (N	5525	NM_213598	125919	Hs.202544	NM_213598	ENSG0000	ZNF543	-	zinc fing	protein-coding
chr2-2011	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1176	NM_001202	8837	Hs.390736	NM_003879	ENSG0000	CFLAR	CASH|CASP	CASP8 and	protein-coding
chr20-333	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr20	33382941	33383742	+	0	NA	intron (N	AluSx1|SI	18178	NM_016408	51654	Hs.435952	NM_016082	ENSG0000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr20-49	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr20	49004601	49007459	+	0	NA	intron (N	AluSq2|SI	40026	NR_110625	1.03E+08	Hs.20900	NR_110624	ENSG0000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr21-336	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr21	33611295	33614005	+	0	NA	intron (N	L1ME3E|LI	-23966	NM_017613	29980	Hs.436341	NM_017613	ENSG0000	DONSON	B17|C21or	downstrea	protein-coding
chr22-264	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr22	26493856	26496994	+	0	NA	TTS (NM_	TTS (NM_	11548	NM_001013	402055	Hs.709914	NM_001013	ENSG0000	SRRD	HC/HCC|SR	SRR1 doma	protein-coding
chr22-296	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr22	29671700	29677134	+	0	NA	intron (N	intron (N	-45586	NM_182527	164633	Hs.643608	NM_182527	ENSG0000	CABP7	CALN2	calcium b	protein-coding
chr3-1014	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	10148851	10154690	+	0	NA	3’ UTR (N	3’ UTR (N	9992	NM_198156	7428	Hs.517792	NM_000551	ENSG0000	VHL	HRCA1|RCA	von Hippe	protein-coding
chr3-3341	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	33418897	33419617	+	0	NA	intron (N	AluSz|SIN	21121	NM_001128	7342	Hs.72912	NM_014517	ENSG0000	UBP1	LBP-1B|LB	upstream	protein-coding
chr3-3701	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	37018618	37021121	+	0	NA	intron (N	AluSc5|SI	26519	NM_001258	4292	Hs.195364	NM_000249	ENSG0000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-4973	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	49734596	49736494	+	0	NA	intron (N	intron (N	-11571	NM_013334	29925	Hs.567488	NM_013334	ENSG0000	GMPPB	LGMDR19|M	GDP-manno	protein-coding
chr3-5007	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	50072930	50077621	+	0	NA	exon (NM_	exon (NM_	-13644	NM_005778	10181	Hs.43948	NM_005778	ENSG0000	RBM5	G15|H37|L	RNA bindi	protein-coding
chr3-1255	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	exon (NM_	exon (NM_	15531	NM_003794	8723	Hs.507243	NM_003794	ENSG0000	SNX4	ATG24B	sorting r	protein-coding
chr3-1423	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	LTR101_Ma	52978	NM_001282	54464	Hs.435103	NM_019001	ENSG0000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr3-1968	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	62689	NM_002577	5062	Hs.51853	NM_002577	ENSG0000	PAK2	PAK65|PAK	p21 (RAC1	protein-coding
chr4-687	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr4	6876588	6881296	+	0	NA	intron (N	L2|LINE|L	-30502	NM_001113	57533	Hs.518611	NM_020773	ENSG0000	TBC1D14	-	TBC1 doma	protein-coding
chr4-1358	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr4	13586256	13590518	+	0	NA	intron (N	MER104|DN	39338	NM_148894	259282	Hs.744935	NM_148894	ENSG0000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr4-118	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	13981	NR_109983	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr5-1361	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MB7|LIN	28647	NM_00135	389332	Hs.12768	NM_00135	ENSG0000	SMIM32	-	small int	protein-coding
chr6-3691	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr6	36913711	36916697	+	0	NA	intron (N	intron (N	29252	NM_001286	221477	Hs.433381	NM_152734	ENSG0000	C6orf89	BRAP|PS1T	chromosom	protein-coding
chr6-5713	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr6	57136741	57137987	+	0	NA	intron (N	intron (N	34849	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr6-1184	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	L1MB1|LIN	-11732	NR_00273	23629	Hs.64805	NR_002730		BRD7P3	BP75	bromodoma	pseudo
chr7-8421	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	842198	845300	+	0	NA	TTS (NM_	TTS (NM_	2375	NM_001367	23353	Hs.438072	NM_025154	ENSG0000	SUN1	UNC84A	Sad1 and	protein-coding
chr7-9825	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	98256820	98257674	+	0	NA	Intergeni	AluJr|SIN	-5015	NM_015395	25851	Hs.592281	NM_015395	ENSG0000	TECPR1	-	tectonin	protein-coding
chr7-9961	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	99619982	99626335	+	0	NA	intron (N	intron (N	6212	NM_00135	221785	Hs.446297	NM_145115	ENSG0000	ZSCAN25	ZNF498	zinc fing	protein-coding
chr7-1072	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	L1MB8|LIN	124561	NM_012257	26959	Hs.162032	NM_012257	ENSG0000	HBP1	-	HMG-box t	protein-coding
chr7-1438	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	-20521	NR_015421	154761	Hs.716689	NR_015421	ENSG0000	LOC154761	-	family wi	pseudo
chr7-1513	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	9474	NM_001363	51667	Hs.647082	NM_016118	ENSG0000	NUB1	BS4|NUB1L	negative	protein-coding
chr7-1513	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSp|SIN	14943	NM_001363	51667	Hs.647082	NM_016118	ENSG0000	NUB1	BS4|NUB1L	negative	protein-coding
chr7-1557	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	66747	NR_132318	6469	Hs.164537	NM_000193	ENSG0000	SHH	HHG1|HLP3	sonic hed	protein-coding
chr8-2209	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr8	22097615	22102723	+	0	NA	intron (N	FRAM|SINE	9250	NM_024815	79873	Hs.527101	NM_024815	ENSG0000	NUDT18	MTH3	nudix hyd	protein-coding
chr8-948	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr8	94866938	94869395	+	0	NA	intron (N	intron (N	27088	NM_057749	9134	Hs.521693	NM_004702	ENSG0000	CCNE2	CYCE2	cyclin E2	protein-coding
chr8-128	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	47804	NR_031612	1E+08		NR_031612	ENSG0000	MIR1207	MIRN1207|	microRNA	ncRNA
chr8-1438	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	1808	NR_030633	1E+08		NR_030633	ENSG0000	MIR937	MIRN937|h	microRNA	ncRNA
chr9-3782	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr9	37826269	37827042	+	0	NA	intron (N	L1ME5|LIN	25858	NM_024345	79269	Hs.118394	NM_024345	ENSG0000	DCAF10	WDR32	DDB1 and	protein-coding
chr9-9264	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr9	92641877	92649822	+	0	NA	intron (N	L1M4|LINE	24282	NM_022755	64768	Hs.459896	NM_022755	ENSG0000	IPPK	C9orf12|I	inositol-	protein-coding
chr9-123	7.682963	0.326259	0.833189	0.391579	0.695369	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	13275	NR_030331	693185		NR_030331	ENSG0000	MIR600	MIRN600|h	microRNA	ncRNA
chr12-492	14.82746	-0.24193	0.618154	-0.39138	0.695515	0.981636	chr12	49269456	49273954	+	0	NA	intron (N	intron (N	6623	NM_032704	84790	Hs.65239	NM_032704	ENSG0000	TUBA1C	TUBA6|bcm	tubulin a	protein-coding
chr17-848	4.699832	-0.4122	1.053641	-0.39122	0.695638	0.981636	chr17	8481228	8482694	+	0	NA	intron (N	intron (N	46077	NM_030808	81565	Hs.372123	NM_030808	ENSG0000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr7-7599	4.699832	-0.4122	1.053641	-0.39122	0.695638	0.981636	chr7	7599851	7600611	+	0	NA	intron (N	intron (N	32205	NM_00137	54468	Hs.520215	NM_019005	ENSG0000	MIOS	MIO|Sea4|	meiosis r	protein-coding
chr9-1306	4.699832	-0.4122	1.053641	-0.39122	0.695638	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	21749	NM_003934	8939	Hs.98751	NM_003934	ENSG0000	FUBP3	FBP3	far upstr	protein-coding
chr1-968	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr1	96803698	96804947	+	0	NA	intron (N	intron (N	81684	NR_125356	58155	Hs.596061	NM_02119	ENSG0000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr10-314	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr10	31480672	31481601	+	0	NA	intron (N	L1MC4a|LI	-81381	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr12-57	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr12	57061447	57062278	+	0	NA	intron (N	AluSc|SIN	-10664	NM_001256	4640	Hs.5394	NM_005379	ENSG0000	MYO1A	BBMI|DFNA	myosin IA	protein-coding
chr15-83	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr15	83037782	83039149	+	0	NA	intron (N	L1PA16|LI	-26826	NM_144597	123207	Hs.352541	NM_144597	ENSG0000	C15orf40	-	chromosom	protein-coding
chr18-577	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr18	57756430	57757219	+	0	NA	intron (N	L1MC4|LIN	46491	NM_005603	5205	Hs.216623	NM_005603	ENSG0000	ATP8B1	ATPIC|BRI	ATPase ph	protein-coding
chr2-2075	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26106	NM_14528	151194	Hs.664764	NM_14528	ENSG0000	METTL21A	FAM119A|H	methyltra	protein-coding
chr3-1081	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	Tigger2|D	36319	NM_01801	55081	Hs.412196	NM_01801	ENSG0000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr4-430	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr4	4306830	4308179	+	0	NA	intron (N	MIR|SINE|	17253	NM_00133	166793	Hs.419997	NM_145291	ENSG0000	ZBTB49	ZNF509	zinc fing	protein-coding
chr5-1773	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSc8|SI	8618	NM_006816	10960	Hs.75864	NM_006816	ENSG0000	LMAN2	C5orf8|GP	lectin, m	protein-coding
chr6-3783	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chr6	37833126	37834764	+	0	NA	intron (N	L1MC1|LIN	14218	NM_021943	60685	Hs.36959	NM_021943	ENSG0000	ZFAND3	TEX27	zinc fing	protein-coding
chrX-3085	4.658692	-0.41709	1.066392	-0.39112	0.695708	0.981636	chrX	30854671	30855146	+	0	NA	exon (NM_	exon (NM_	20285	NR_145449	727682		NR_145449		TAB3-AS1	CXorf29	TAB3 anti	ncRNA
chr1-2048	10.68126	-0.2827	0.72341	-0.39079	0.695954	0.981636	chr1	20483389	20484246	+	0	NA	intron (N	intron (N	2393	NM_018584	55450	Hs.731383	NM_018584	ENSG0000	CAMK2N1	PRO1489	calcium/c	protein-coding
chr4-8807	10.68126	-0.2827	0.72341	-0.39079	0.695954	0.981636	chr4	88070944	88071517	+	0	NA	intron (N	AluJo|SIN	63595	NR_156488	5311	Hs.181272	NM_000297	ENSG0000	PKD2	APKD2|PC2	polycysti	protein-coding
chr13-491	8.197117	0.321868	0.823678	0.39077	0.695968	0.981636	chr13	49178471	49178987	+	0	NA	intron (N	AluJb|SIN	-41609	NM_001507	2862	Hs.248126	NM_001507	ENSG0000	MLNR	GPR38|MTL	motilin r	protein-coding
chr16-38	8.197117	0.321868	0.823678	0.39077	0.695968	0.981636	chr16	3809786	3810172	+	0	NA	intron (N	intron (N	70141	NM_001079	1387	Hs.459759	NM_00438	ENSG0000	CREBBP	CBP|KAT3A	CREB binc	protein-coding
chr20-492	11.09372	-0.27576	0.705755	-0.39073	0.696	0.981636	chr20	49272218	49275912	+	0	NA	intron (N	intron (N	3992	NM_021035	57169	Hs.371794	NM_021035	ENSG0000	ZNFX1	-	zinc fing	protein-coding
chr2-2304	11.14086	-0.28327	0.725346	-0.39053	0.696141	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	LTR87|LTR	28107	NM_001206	6672	Hs.369056	NM_003113	ENSG0000	SP100	lysp100b	SP100 nuc	protein-coding
chr1-385	6.648648	0.352849	0.904553	0.390081	0.696477	0.981636	chr1	3850872	3851610	+	0	NA	intron (N	LTR79|LTR	5970	NM_014704	9731	Hs.133089	NM_014704	ENSG0000	CEP104	CFAP256|C	centrosom	protein-coding
chr1-1563	6.648648	0.352849	0.904553	0.390081	0.696477	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	SVA_D|Ret	-10013	NM_144627	128229	Hs.534539	NM_144627	ENSG0000	TSACC	C1orf182|	TSSK6 act	protein-coding
chr12-123	6.648648	0.352849	0.904553	0.390081	0.696477	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-18002	NM_207437	196385	Hs.622654	NM_207437	ENSG0000	DNAH10	-	dynein ax	protein-coding
chr17-64	6.648648	0.352849	0.904553	0.390081	0.696477	0.981636	chr17	64055174	64055575	+	0	NA	intron (N	intron (N	-34740	NM_001099	3384	Hs.43146	NM_000873	ENSG0000	ICAM2	CD102	intercell	protein-coding
chr5-8072	6.648648	0.352849	0.904553	0.390081	0.696477	0.981636	chr5	80726243	80726567	+	0	NA	intron (N	intron (N	-71422	NM_000791	1719	Hs.592364	NM_000791	ENSG0000	DHFR	DHFRP1|DY	dihydrofo	protein-coding
chr12-491	15.29677	-0.23865	0.611975	-0.38997	0.696558	0.981636	chr12	49184338	49186810	+	0	NA	exon (NM_	exon (NM_	3506	NM_006009	7846	Hs.654422	NM_006009	ENSG0000	TUBA1A	B-ALPHA-1	tubulin a	protein-coding
chr1-3509	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr1	35094595	35096161	+	0	NA	intron (N	AluSz6|SI	15993	NM_024772	79830	Hs.471243	NM_024772	ENSG0000	ZMYM1	MYM	zinc fing	protein-coding
chr10-11	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	1863	NM_005871	10285	Hs.632093	NM_005871	ENSG0000	SMNDC1	SMNR|SPF3	survival	protein-coding
chr14-103	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11657	NM_001302	84334	Hs.598441	NM_001302	ENSG0000	COA8	APOP|APOP	cytochrom	protein-coding
chr16-175	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr16	1750266	1750790	+	0	NA	intron (N	intron (N	15543	NR_036138	1E+08		NR_036138	ENSG0000	MIR3177	mir-3177	microRNA	ncRNA
chr18-542	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr18	54200981	54203090	+	0	NA	TTS (NM_	TTS (NM_	20377	NR_00297	677819	Hs.655869	NR_00297	ENSG0000	SNORA37	ACA37	small nuc	snoRNA
chr2-6274	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr2	62749150	62750428	+	0	NA	intron (N	L1PA5|LIN	42892	NM_001354	23301	Hs.271667	NM_015252	ENSG0000	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-1975	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	24470	NM_001204	25843	Hs.633165	NM_015387	ENSG0000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr3-500	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr3	50064525	50065394	+	0	NA	intron (N	AluY|SINE	-23960	NM_005778	10181	Hs.43948	NM_005778	ENSG0000	RBM5	G15|H37|L	RNA bindi	protein-coding
chr4-7314	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr4	73143834	73144033	+	0	NA	intron (N	AluJr4|SI	-74174	NM_00130	285521	Hs.356697	NM_173827	ENSG0000	COX18	COX18HS	cytochrom	protein-coding
chr5-7474	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr5	74747810	74748586	+	0	NA	intron (N	MIRc|SINE	18919	NR_104006	84340	Hs.277154	NM_03238	ENSG0000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-1325	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	3336	NM_005732	10111	Hs.633509	NM_005732	ENSG0000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr7-358	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr7	35867505	35868061	+	0	NA	intron (N	intron (N	66564	NM_001363	989	Hs.191346	NM_001788	ENSG0000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-1314	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	85578	NM_001018	5420	Hs.744213	NM_005397	ENSG0000	PODXL	Gp200|PC|	podocalyx	protein-coding
chr8-6318	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr8	63189865	63191143	+	0	NA	intron (N	MER57B1|L	21501	NM_001277	253943	Hs.491861	NM_152758	ENSG0000	YTHDF3	-	YTH N6-me	protein-coding
chr8-6709	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr8	67094392	67096655	+	0	NA	exon (NM_	exon (NM_	11675	NM_001291	79848	Hs.370147	NM_02479	ENSG0000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr9-6904	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chr9	69047138	69047399	+	0	NA	intron (N	intron (N	11516	NM_181425	2395	Hs.20685	NM_000144	ENSG0000	FXN	CyaY|FA|F	frataxin	protein-coding
chrX-715	7.418676	-0.33246	0.852623	-0.38993	0.696587	0.981636	chrX	71564655	71565466	+	0	NA	intron (N	AluSq2|SI	-12964	NM_052957	93953	Hs.135167	NM_052957	ENSG0000	GCNA	ACRC|NAAR	germ cell	protein-coding
chr13-20	14.3905	0.245096	0.628595	0.389911	0.696603	0.981636	chr13	20006982	20008680	+	0	NA	intron (N	AluSz|SIN	48017	NR_148365	7750	Hs.507433	NM_003453	ENSG0000	ZMYM2	FIM|MYM|R	zinc fing	protein-coding
chr2-1344	7.854709	-0.32448	0.832221	-0.3899	0.696609	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	L1ME1|LIN	178921	NM_00241	4249	Hs.4988	NM_00241	ENSG0000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr20-324	7.854709	-0.32448	0.832221	-0.3899	0.696609	0.981636	chr20	32446183	32446636	+	0	NA	3’ UTR (N	3’ UTR (N	37081	NM_001351	140688	Hs.516978	NM_080616	ENSG0000	NOL4L	C20orf112	nucleolar	protein-coding
chr18-368	7.137378	0.33993	0.871912	0.389868	0.696634	0.981636	chr18	36803997	36804513	+	0	NA	intron (N	L1MEj|LIN	24747	NM_00133	25941	Hs.436636	NM_015476	ENSG0000	TPGS2	C18orf10|	tubulin p	protein-coding
chr20-357	7.137378	0.33993	0.871912	0.389868	0.696634	0.981636	chr20	35779108	35780356	+	0	NA	intron (N	AluSx1|SI	7717	NM_016436	51230	Hs.517044	NM_016436	ENSG0000	PHF20	C20orf104	PHD finge	protein-coding

chr11-914	11.14271	-0.27503	0.705733	-0.38971	0.696751	0.981636	chr11	9149210	9150206	+		0	NA	intron (N	intron (N	55345	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr1-2522	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr1	25229596	25231083	+		0	NA	intron (N	intron (N	2163	NM_015484	25949	Hs.20013	NM_015484	ENSG00000	SYF2	CBPIN|NTC	SYF2 pre-	protein-coding
chr10-693	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr10	69365903	69366370	+		0	NA	intron (N	MIR|SINE|	47289	NM_000188	3098	Hs.370365	NM_000188	ENSG00000	HK1	HK|HK1-ta	hexokinas	protein-coding
chr15-424	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr15	42411912	42413575	+		0	NA	TTS (NM_1	TTS (NM_1	7964	NM_173089	825	Hs.143261	NM_000070	ENSG00000	CAPN3	CANP3|CAN	calpain 3	protein-coding
chr17-647	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr17	64791264	64792421	+		0	NA	intron (N	intron (N	-9843	NR_026899	1.09E+08	Hs.117853	NR_026899	ENSG00000	ARHGAP27P	-	ARHGAP27P	pseudo
chr18-127	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr18	12709582	12711587	+		0	NA	intron (N	L1MC5a|LI	7542	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteasom	protein-coding
chr2-2350	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr2	2.35E+08	2.35E+08	+		0	NA	intron (N	intron (N	-18892	NM_001371306								
chr20-350	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr20	35011666	35012305	+		0	NA	intron (N	L2c|LINE|	-21513	NR_039912	1.01E+08		NR_039912	ENSG00000	MIR499B	MIR499A|h	microRNA	ncRNA
chr20-355	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr20	35557393	35558102	+		0	NA	TTS (NM_0	TTS (NM_0	15669	NM_015966	51614	Hs.472558	NM_015966	ENSG00000	ERGIC3	C20orf47|	ERGIC and	protein-coding
chr5-1805	7.145236	0.337857	0.86696	0.389703	0.696756	0.981636	chr5	1.81E+08	1.81E+08	+		0	NA	intron (N	intron (N	8819	NM_001370	57472	Hs.608380	NM_015455	ENSG00000	CNOT6	CCR4|Ccr4	CCR4-NOT	protein-coding
chr1-1090	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr1	1.09E+08	1.09E+08	+		0	NA	exon (NM_	exon (NM_	30730	NM_001142	22911	Hs.570055	NM_014969	ENSG00000	WDR47	-	WD repeat	protein-coding
chr10-778	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr10	77852524	77854854	+		0	NA	intron (N	intron (N	73066	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr13-242	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr13	24284340	24286872	+		0	NA	intron (N	AluSq|SIN	14856	NM_001286	221178	Hs.434298	NM_153023	ENSG00000	SPATA13	ARHGEF29|	spermatog	protein-coding
chr14-814	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr14	81486388	81490411	+		0	NA	intron (N	intron (N	-38242	NR_109999	1.01E+08	Hs.116304	NR_109999	ENSG00000	LINC02308	-	long inte	ncRNA
chr17-276	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr17	27622871	27624335	+		0	NA	3’ UTR (N	3’ UTR (N	-7585	NM_002308	3965	Hs.81337	NM_002308	ENSG00000	LGALS9	HUAT|LGAL	galectin	protein-coding
chr2-1343	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr2	1.34E+08	1.34E+08	+		0	NA	intron (N	intron (N	64362	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-1512	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr2	1.51E+08	1.51E+08	+		0	NA	intron (N	intron (N	6953	NM_198557	375287	Hs.302442	NM_198557	ENSG00000	RBM43	C2orf38	RNA bindi	protein-coding
chr2-2245	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr2	2.25E+08	2.25E+08	+		0	NA	intron (N	AluJr|SIN	27261	NM_001257	8452	Hs.372286	NM_003590	ENSG00000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr4-5581	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr4	5581521	5581826	+		0	NA	intron (N	MSTA-int|	56517	NR_126517	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr6-8934	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr6	89340541	89342331	+		0	NA	intron (N	intron (N	11286	NM_016021	51465	Hs.163776	NM_016021	ENSG00000	UBE2J1	CGI-76|HS	ubiquitin	protein-coding
chr7-1003	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chr7	1E+08	1E+08	+		0	NA	intron (N	L2b|LINE|	3274	NM_178238	29990	Hs.632314	NM_013440	ENSG00000	PILRB	FDFACT1|F	paired in	protein-coding
chrX-1674	8.220691	0.316136	0.811724	0.389463	0.696934	0.981636	chrX	16748863	16749407	+		0	NA	intron (N	AluJb|SIN	29523	NM_032796	94056	Hs.744256	NM_032796	ENSG00000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr14-103	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr14	1.04E+08	1.04E+08	+		0	NA	Intergeni	AluY|SINE	14581	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr15-904	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr15	90409563	90410043	+		0	NA	intron (N	L1PA5|LIN	21561	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr2-6652	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr2	66525717	66526535	+		0	NA	intron (N	intron (N	-47904	NR_110156	1.01E+08	Hs.667940	NR_110156	ENSG00000	LINC01798	-	long inte	ncRNA
chr2-1700	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr2	1.7E+08	1.7E+08	+		0	NA	intron (N	intron (N	-116317	NR_045682	140469	Hs.671900	NM_138995	ENSG00000	MYO3B	-	myosin II	protein-coding
chr2-1829	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr2	1.83E+08	1.83E+08	+		0	NA	intron (N	intron (N	81845	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr2-2415	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr2	2.42E+08	2.42E+08	+		0	NA	3’ UTR (N	3’ UTR (N	-13672	NR_033346	1E+08	Hs.621128	NR_033346		BOK-AS1	BOK-AS|BC	BOK antis	ncRNA
chr3-3139	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr3	3139667	3141369	+		0	NA	exon (NM_	exon (NM_	13578	NR_159940	51095	Hs.732725	NM_016000	ENSG00000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr3-3064	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr3	30645074	30647992	+		0	NA	intron (N	L3|LINE|C	39932	NM_003242	7048	Hs.82028	NM_003242	ENSG00000	TGFBR2	AAT3|FAA3	transform	protein-coding
chr4-7698	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr4	76989401	76990314	+		0	NA	intron (N	Tigger3a|	40105	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr7-4465	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr7	44659916	44661147	+		0	NA	intron (N	L1MDa|LIN	53904	NM_001003	4967	Hs.488181	NM_002541	ENSG00000	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr7-4750	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr7	47505165	47507195	+		0	NA	intron (N	intron (N	-41377	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-1407	7.895849	-0.32165	0.826176	-0.38933	0.697036	0.981636	chr8	1.41E+08	1.41E+08	+		0	NA	intron (N	L1MB7|LIN	-26605	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr15-437	11.13485	-0.27383	0.703555	-0.3892	0.697126	0.981636	chr15	43764345	43769289	+		0	NA	exon (NM_	exon (NM_	10149	NM_025165	80237	Hs.706346	NM_025165	ENSG00000	ELL3	-	elongatio	protein-coding
chr15-671	11.13485	-0.27383	0.703555	-0.3892	0.697126	0.981636	chr15	67179219	67182799	+		0	NA	intron (N	intron (N	14854	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr2-1717	11.13485	-0.27383	0.703555	-0.3892	0.697126	0.981636	chr2	1.72E+08	1.72E+08	+		0	NA	3’ UTR (N	3’ UTR (N	61345	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr3-1393	11.13485	-0.27383	0.703555	-0.3892	0.697126	0.981636	chr3	1.39E+08	1.39E+08	+		0	NA	TTS (NM_0	TTS (NM_0	12997	NM_001363	56945	Hs.745001	NM_020191	ENSG00000	MRPS22	C3orf5|CC	mitochond	protein-coding
chr11-863	7.65939	0.332288	0.853795	0.38919	0.697136	0.981636	chr11	86328451	86328995	+		0	NA	intron (N	AluSg7|SI	26483	NM_001322	51501	Hs.283322	NM_016401	ENSG00000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr1-5427	7.903707	-0.32337	0.831224	-0.38903	0.697252	0.981636	chr1	54279557	54280429	+		0	NA	intron (N	intron (N	43550	NR_103541	619518	Hs.591438	NM_001034	ENSG00000	SSBP3-AS1	C1orf191|	SSBP3 ant	ncRNA
chr17-171	7.903707	-0.32337	0.831224	-0.38903	0.697252	0.981636	chr17	17164438	17164865	+		0	NA	exon (NM_	exon (NM_	41682	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr20-463	7.903707	-0.32337	0.831224	-0.38903	0.697252	0.981636	chr20	46365900	46367409	+		0	NA	3’ UTR (N	3’ UTR (N	-2196	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA39402.1	solute ca	protein-coding
chr3-1203	7.903707	-0.32337	0.831224	-0.38903	0.697252	0.981636	chr3	1.2E+08	1.2E+08	+		0	NA	3’ UTR (N	3’ UTR (N	18917	NM_001099	116064	Hs.518084	NM_001099	ENSG00000	LRRC58	-	leucine r	protein-coding
chr13-332	8.742703	0.31097	0.799605	0.388904	0.697347	0.981636	chr13	33223932	33224854	+		0	NA	intron (N	MLT1I|LTR	-18343	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr1-1514	7.724103	0.327787	0.843011	0.388829	0.697403	0.981636	chr1	1.51E+08	1.51E+08	+		0	NA	intron (N	intron (N	14909	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr14-751	7.724103	0.327787	0.843011	0.388829	0.697403	0.981636	chr14	75109341	75111048	+		0	NA	intron (N	intron (N	16854	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr3-1140	7.724103	0.327787	0.843011	0.388829	0.697403	0.981636	chr3	11407681	11408500	+		0	NA	intron (N	THE1B-int	135693	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr4-8676	7.724103	0.327787	0.843011	0.388829	0.697403	0.981636	chr4	86762086	86762839	+		0	NA	intron (N	intron (N	86922	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr8-1444	7.724103	0.327787	0.843011	0.388829	0.697403	0.981636	chr8	1.44E+08	1.44E+08	+		0	NA	intron (N	intron (N	3206	NM_016208	51160	Hs.418175	NM_016208	ENSG00000	VPS28	-	VPS28 sub	protein-coding
chr10-797	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr10	79753336	79755583	+		0	NA	intron (N	L1PA14|LI	51232	NM_001278	729262	Hs.742755	NM_001278	ENSG00000	NUTM2B	FAM22B|bA	NUT famil	protein-coding
chr11-290	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr11	29027862	29028596	+		0	NA	Intergeni	Intergeni	-550681	NR_107035	1.02E+08		NR_107035	ENSG00000	MIR8068	hsa-mir-8	microRNA	ncRNA
chr11-329	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr11	32973161	32974063	+		0	NA	intron (N	intron (N	-42266	NM_001077	91614	Hs.280990	NM_139160	ENSG00000	DEPDC7	TR2|dJ85M	DEP domai	protein-coding
chr14-608	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr14	60887550	60889251	+		0	NA	intron (N	L1PA3|LIN	92679	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr14-900	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr14	90031953	90032439	+		0	NA	intron (N	intron (N	-29798	NM_022054	56659	Hs.510191	NM_022054	ENSG00000	KCNK13	K2p13.1|T	potassium	protein-coding
chr16-500	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr16	50075734	50078957	+		0	NA	intron (N	AluJo|SIN	11375	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr17-121	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr17	12118642	12119614	+		0	NA	intron (N	Tigger4|D	37229	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr17-446	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr17	44683853	44685353	+		0	NA	intron (N	AluSz6|SI	5173	NM_144609	124808	Hs.579115	NM_144609	ENSG00000	CCDC43	-	coiled-co	protein-coding
chr17-578	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr17	57876777	57878598	+		0	NA	intron (N	AluSx|SIN	25702	NM_001292	404093	Hs.46679	NM_001271	ENSG00000	CUEDC1	-	CUE domai	protein-coding
chr2-1283	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr2	1.28E+08	1.28E+08	+		0	NA	intron (N	MLT2B2|LT	15080	NM_004807	9394	Hs.512841	NM_004807	ENSG00000	HS6ST1	HH15|HS6S	heparan s	protein-coding
chr3-1792	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr3	1.79E+08	1.79E+08	+		0	NA	intron (N	intron (N	46313	NM_014407	27094	Hs.591285	NM_014407	ENSG00000	KCNMB3	BKBETA3|H	potassium	protein-coding
chr4-1450	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr4	1.45E+08	1.45E+08	+		0	NA	intron (N	intron (N	6034	NM_001318	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding
chr4-1866	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr4	1.87E+08	1.87E+08	+		0	NA	intron (N	intron (N	70417	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-4315	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr5	43152034	43152716	+		0	NA	intron (N	intron (N	30810	NM_001330	7690	Hs.535804	NM_003432	ENSG00000	ZNF131	ZBTB35|pH	zinc fing	protein-coding
chr5-7967	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr5	79672656	79673418	+		0	NA	intron (N	L1MA3|LIN	-16799	NM_153610	202333	Hs.482625	NM_153610	ENSG00000	CMYA5	C5orf10|S	cardiomyo	protein-coding
chr8-8321	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr8	8321408	8322681	+		0	NA	intron (N	Tigger17a	64200	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr9-6532	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chr9	65320440	65321990	+		0	NA	Intergeni	Intergeni	-36006	NM_001126	653427	Hs.714683	NM_001126	ENSG00000	FOXD4L5	bA15J10.2	forkhead	protein-coding
chrX-1205	4.691974	-0.40951	1.053694	-0.38864	0.697541	0.981636	chrX	1.21E+08	1.21E+08	+		0	NA	exon (NM_	exon (NM_	23957	NM_001369	8450	Hs.102914	NM_003588	ENSG00000	CUL4B	CUL-4B|MR	cullin 4B	protein-coding
chr19-263	8.734845	0.312872	0.805065	0.388629	0.697551	0.981636	chr19	26375532	26376229	+		0	NA	Intergeni	ALR/Alpha	-1417551	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-3636	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr1	36362005	36363143	+		0	NA	intron (N	intron (N	23350	NM_001282	83931	Hs.471768	NM_032017	ENSG00000	STK40	SHIK|SgK4	serine/th	protein-coding
chr1-8567	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr1	85673877	85675637	+		0	NA	intron (N	intron (N	33676	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr10-294	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr10	29459942	29461770	+		0	NA	intron (N	AluJo|SIN	50613	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr10-103	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr10	1.04E+08	1.04E+08	+		0	NA	intron (N	SVA_D|Ret	70155	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr11-337	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr11	3377230	3377668	+		0	NA	intron (N	intron (N	1697	NM_001130	7748	Hs.386294	NM_007152	ENSG00000	ZNF195	HRF1|ZNFP	zinc fing	protein-coding
chr11-372	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr11	3726804	3728040	+		0	NA	intron (N	L1MC5a|LI	-56038	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-341	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr11	34122999	34123290	+		0	NA	intron (N	MIR3|SINE	17515	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr12-486	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr12	48697223	48700274	+		0	NA	intron (N	AluSp|SIN	-16510	NM_017822	54934	Hs.505412	NM_017822	ENSG00000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr14-750	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr14	75007970	75009902	+		0	NA	intron (N	intron (N	6015	NM_014239	8892	Hs.409137	NM_014239	ENSG00000	EIF2B2	EIF-2Bbet	eukaryoti	protein-coding
chr19-206	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr19	20643716	20644497	+		0	NA	TTS (NM_1	TTS (NM_1	17465	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr2-7107	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr2	71072810	71074827	+		0	NA	intron (N	intron (N	5170	NM_001330	55577	Hs.7036	NM_017567	ENSG00000	NAGK	GNK|HSA24	N-acetylg	protein-coding
chr2-9940	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr2	99402277	99406379	+		0	NA	intron (N	(CTCCC)n|	66939	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr2-1526	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr2	1.53E+08	1.53E+08	+		0	NA	intron (N	intron (N	51772	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FB	pre-mRNA	protein-coding
chr21-316	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr21	31662700	31662970	+		0	NA	intron (N	AluYj4|SI	3213	NM_000454	6647	Hs.443914	NM_000454	ENSG00000	SOD1	ALS|ALS1|	superoxid	protein-coding
chr3-1217	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr3	1.22E+08	1.22E+08	+		0	NA	intron (N	intron (N	21490	NM_001366	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr3-1287	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr3	1.29E+08	1.29E+08	+		0	NA	intron (N	LTR12C|LT	16586	NM_004637	7879	Hs.684374	NM_004637	ENSG00000	RAB7A	PRO2706|R	RAB7A, me	protein-coding
chr4-1566	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr4	15666843	15667993	+		0	NA	Intergeni	Intergeni	-12006	NM_001193	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box and	protein-coding
chr5-1775	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr5	1.78E+08	1.78E+08	+		0	NA	exon (NM_	exon (NM_	17368	NM_001366	54540	Hs.484289	NM_019057	ENSG00000	FAM193B	IRIZIO	family wi	protein-coding
chr8-1301	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr8	1.3E+08	1.3E+08	+		0	NA	intron (N	L3|LINE|C	-71602	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr8-1332	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr8	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	48235	NM_080838	8840	Hs.492974	NM_003882	ENSG00000	CCN4	WISP1|WIS	cellular	protein-coding
chr9-1142	7.887991	-0.31997	0.824408	-0.38813	0.697923	0.981636	chr9	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	-30500	NM_000607	5004	Hs.522356	NM_000607	ENSG00000	ORM1	AGP-A|AGP	orosomuco	protein-coding
chr1-1647	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr1	16479910	16483789	+		0	NA	intron (N	AluY|SINE	10852	NR_023386	114819	Hs.597881	NR_023386	ENSG00000	CROCCP3	CROCCL2|c	CROCC pse	pseudo
chr1-3167	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr1	31677851	31683928	+		0	NA	intron (N	intron (N	23128	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr1-1760	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr1	1.76E+08	1.76E+08	+		0	NA	intron (N	AluSx1|SI	-73817	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Caj	ncRNA
chr1-2432	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr1	2.43E+08	2.43E+08	+		0	NA	intron (N	(TTTC)n|S	19273	NM_006642	10806	Hs.591530	NM_006642	ENSG00000	SDCCAG8	BBS16|CCC	serologic	protein-coding
chr1-2465	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr1	2.47E+08	2.47E+08	+		0	NA	intron (N	intron (N	-19928	NR_040002	255654	Hs.407570	NR_040002	ENSG00000	LINC01743	-	long inte	ncRNA
chr10-778	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr10	77815170	77818988	+		0	NA	exon (NM_	exon (NM_	109676	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr10-133	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr10	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	-10070	NM_145806	118472	Hs.422113	NM_145806	ENSG00000	ZNF511	-	zinc fing	protein-coding
chr11-650	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	650817	652046	+		0	NA	intron (N	intron (N	14162	NM_000797	1815	Hs.99922	NM_000797	ENSG00000	DRD4	D4DR	dopamine	protein-coding
chr11-309	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	3099016	3099716	+		0	NA	intron (N	L1MC2|LIN	-41943	NM_001194	833	Hs.274873	NM_001751	ENSG00000	CARS	CARS1|CYS	cysteinyl	protein-coding
chr11-987	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	9877712	9878249	+		0	NA	intron (N	L1PA6|LIN	38838	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-184	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	18480655	18484083	+		0	NA	intron (N	intron (N	26513	NM_144972	160287	Hs.668877	NM_144972	ENSG00000	LDHAL6A	LDH6A	lactate d	protein-coding
chr11-354	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	35451010	35453418	+		0	NA	intron (N	L1MEg|LIN	-32156	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr11-459	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	45934345	45936335	+		0	NA	intron (N	intron (N	12684	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|P	LARGE xyl	protein-coding
chr11-739	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	73918813	73920726	+		0	NA	intron (N	intron (N	-30550	NM_153614	374407	Hs.567888	NM_153614	ENSG00000	DNAJB13	CILD34|RS	DnaJ heat	protein-coding
chr11-941	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	94180015	94180673	+		0	NA	intron (N	intron (N	51503	NM_015368	24145	Hs.591976	NM_015368	ENSG00000	PANX1	MRS1|PX1|	pannexin	protein-coding
chr11-123	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr11	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	-26180	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-194	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr12	1949711	1949910	+		0	NA	intron (N	intron (N	-13234	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr12-810	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr12	8104867	8106358	+		0	NA	Intergeni	AluSx3|SI	-18020	NM_194447	50856	Hs.504657	NM_016184	ENSG00000	CLEC4A	CD367|CLE	C-type le	protein-coding
chr12-112	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	-65049	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr12-118	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr12	1.18E+08	1.18E+08	+		0	NA	intron (N	AluSz|SIN	19895	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr14-694	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr14	69458575	69458989	+		0	NA	3’ UTR (N	3’ UTR (N	-25946	NM_001161	400224	Hs.509796	NM_001161	ENSG00000	PLEKHD1	UPF0639	pleckstri	protein-coding
chr14-811	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr14	81192332	81198289	+		0	NA	intron (N	intron (N	7524	NR_003021	677845	Hs.693251	NR_003021	ENSG00000	SNORA79	ACA65|SNO	small nuc	snoRNA
chr14-884	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr14	88438315	88440632	+		0	NA	Intergeni	Intergeni	53816	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-418	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr15	41816948	41821112	+		0	NA	intron (N	intron (N	-9055	NM_001198	8681	Hs.198161	NM_005090	ENSG00000	JMJD7-PLA	HsT16992|	JMJD7-PLA	protein-coding
chr15-657	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr15	65739877	65740935	+		0	NA	intron (N	AluJo|SIN	-21074	NR_039736	1.01E+08		NR_039736	ENSG00000	MIR4511	mir-4511	microRNA	ncRNA
chr16-162	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr16	16259960	16264854	+		0	NA	intron (N	intron (N	29812	NM_173614	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL moc	protein-coding
chr16-274	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr16	27491541	27496074	+		0	NA	intron (N	L1ME4a|LI	-40414	NR_037158	283888	Hs.660935	NR_037158	ENSG00000	IL21R-AS1	-	IL21R ant	ncRNA
chr16-309	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr16	30967388	30975802	+		0	NA	exon (NM_	exon (NM_	-13612	NM_001142	80270	Hs.460618	NM_025193	ENSG00000	HSD3B7	CBAS1|PFI	hydroxy-d	protein-coding
chr16-671	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr16	67132791	67135626	+		0	NA	exon (NM_	exon (NM_	16790	NM_033309	84752	Hs.744158	NM_033309	ENSG00000	B3GNT9	-	UDP-GlcNA	protein-coding
chr16-898	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr16	89893238	89893893	+		0	NA	intron (N	intron (N	19973	NM_014972	22980	Hs.415342	NM_014972	ENSG00000	TCF25	FKSG26|Hu	transcrip	protein-coding
chr17-405	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr17	4055274	4058996	+		0	NA	intron (N	intron (N	80032	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-750	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr17	75020870	75022656	+		0	NA	TTS (NM_0	TTS (NM_0	9093	NM_001303	3396	Hs.407955	NM_001545	ENSG00000	MRPL58	DS-1|DS1|	mitochond	protein-coding
chr18-502	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr18	50271835	50277774	+		0	NA	intron (N	intron (N	6719	NM_001204	4152	Hs.405610	NM_002384	ENSG00000	MBD1	CXXC3|PCM	methyl-Cp	protein-coding
chr18-797	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr18	79718441	79719239	+		0	NA	intron (N	intron (N	37410	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding

chr19-619	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	619685	622126	+	0	NA	intron (N	CpG-12898	12632	NM_005035	5442	Hs.254113	NM_005035	ENSG00000	POLRMT	APOLMT|MT	RNA polym	protein-coding
chr19-141	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	1418375	1425695	+	0	NA	intron (N	intron (N	14449	NM_001352	26528	Hs.222510	NM_018959	ENSG00000	DAZAP1	-	DAZ assoc	protein-coding
chr19-110	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	11026064	11037251	+	0	NA	intron (N	intron (N	47505	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-138	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	13840649	13841445	+	0	NA	non-codin	non-codin	1871	NR_036515	284454	Hs.436426	NR_036515		LOC284454	-	uncharact	ncRNA
chr19-165	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	16517416	16538634	+	0	NA	intron (N	intron (N	14412	NM_006387	10523	Hs.740364	NM_006387	ENSG00000	CHERP	DAN16|SCA	calcium b	protein-coding
chr19-172	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	17271423	17275132	+	0	NA	intron (N	intron (N	5834	NM_014173	29086	Hs.190722	NM_014173	ENSG00000	BABAM1	C19orf62|	BRISC and	protein-coding
chr19-394	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	39455699	39461178	+	0	NA	intron (N	intron (N	-9784	NR_145805	1.1E+08		NR_145805		SNORD175	-	small nuc	snoRNA
chr19-579	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	57921316	57922393	+	0	NA	TTS (NM_0	TTS (NM_0	-5262	NM_152475	147687	Hs.567710	NM_152475	ENSG00000	ZNF417	-	zinc fing	protein-coding
chr19-584	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr19	58469577	58473110	+	0	NA	exon (NM_	exon (NM_	4263	NM_014347	25799	Hs.515660	NM_014347	ENSG00000	ZNF324	ZF5128|ZN	zinc fing	protein-coding
chr2-9629	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr2	96294727	96296753	+	0	NA	intron (N	intron (N	9806	NM_014014	23020	Hs.246112	NM_014014	ENSG00000	SNRNP200	ASCC3L1|B	small nuc	protein-coding
chr20-249	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr20	2494423	2497472	+	0	NA	intron (N	AluSg|SIN	12968	NM_001321	79175	Hs.516846	NM_024325	ENSG00000	ZNF343	dJ734P14.	zinc fing	protein-coding
chr20-347	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr20	34724848	34727579	+	0	NA	intron (N	L2a|LINE|	21494	NM_001329	58476	Hs.516994	NM_021202	ENSG00000	TP53INP2	C20orf110	tumor pro	protein-coding
chr20-463	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr20	46379577	46388552	+	0	NA	intron (N	L1ME4a|LI	-19606	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA394O2.1	solute ca	protein-coding
chr22-264	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr22	26457751	26458152	+	0	NA	exon (NM_	exon (NM_	21537	NR_073136	89781	Hs.474436	NM_022081	ENSG00000	HPS4	BLOC3S2|I	HPS4 biog	protein-coding
chr22-382	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr22	38223977	38226449	+	0	NA	promoter-	promoter-	-493	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr3-5209	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr3	5209960	5214795	+	0	NA	intron (N	intron (N	24670	NM_014674	9695	Hs.224616	NM_014674	ENSG00000	EDEM1	EDEM	ER degrad	protein-coding
chr3-1852	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	18630	NR_106712	1.01E+08		NR_106712	ENSG00000	MIR5588	-	microRNA	ncRNA
chr4-7616	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr4	76160322	76164834	+	0	NA	intron (N	intron (N	-14063	NR_103781	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-3130	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr5	31309615	31310920	+	0	NA	intron (N	MSTA-int|	116581	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr5-7218	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr5	72184191	72185571	+	0	NA	intron (N	L1MB7|LIN	5094	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-1775	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	-11592	NM_016222	51428	Hs.484288	NM_016222	ENSG00000	DDX41	ABS|MPLPF	DEAD-box	protein-coding
chr6-1113	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	62251	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-5498	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr7	5498512	5501116	+	0	NA	intron (N	AluJo|SIN	-3897	NR_030318	693174		NR_030318	ENSG00000	MIR589	MIRN589|h	microRNA	ncRNA
chr7-3309	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr7	33095116	33102294	+	0	NA	intron (N	HAL1|LINE	10699	NM_203288	6100	Hs.326805	NM_203288	ENSG00000	RP9	PAP-1|PAF	RP9 pre-m	protein-coding
chr9-9545	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr9	95453576	95454422	+	0	NA	intron (N	intron (N	-9610	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr9-1360	7.690821	0.324297	0.835563	0.388118	0.697929	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	45369	NM_144653	138151	Hs.112895	NM_144653	ENSG00000	NACC2	BEND9|BTE	NACC fami	protein-coding
chr9-2690	10.03768	-0.30601	0.789175	-0.38776	0.698195	0.981636	chr9	26909711	26909910	+	0	NA	intron (N	AluSx1|SI	-16982	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr17-388	11.127	-0.27262	0.703343	-0.3876	0.69831	0.981636	chr17	38846679	38853111	+	0	NA	3' UTR (N	3' UTR (N	1763	NR_145761	1.1E+08		NR_145761	ENSG00000	SNORA21B	-	small nuc	snoRNA
chr5-1433	11.127	-0.27262	0.703343	-0.3876	0.69831	0.981636	chr5	14330498	14340114	+	0	NA	intron (N	intron (N	-128677	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr17-501	8.750561	0.309173	0.797933	0.387468	0.69841	0.981636	chr17	5015507	5015968	+	0	NA	intron (N	AluSx|SIN	4356	NR_120665	1.03E+08	Hs.666487	NR_120665	ENSG00000	LOC102724	-	uncharact	ncRNA
chr22-364	8.750561	0.309173	0.797933	0.387468	0.69841	0.981636	chr22	36477365	36477931	+	0	NA	intron (N	intron (N	3992	NM_012473	25828	Hs.211929	NM_012473	ENSG00000	TXN2	COXPD29|M	thioredox	protein-coding
chr1-3930	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr1	39305483	39306690	+	0	NA	intron (N	L2a|LINE|	-102987	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1569	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	13131	NM_001080	375033	Hs.142003	NM_207369	ENSG00000	PEAR1	JEDI|MEGF	platelet	protein-coding
chr10-103	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	3' UTR (N	3' UTR (N	76914	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr11-449	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr11	44946160	44946408	+	0	NA	intron (N	intron (N	3876	NM_001258	9537	Hs.554791	NM_006034	ENSG00000	TP53I11	PIG11	tumor pro	protein-coding
chr12-260	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr12	26002628	26003411	+	0	NA	intron (N	L1P4|LINE	29264	NM_001164	11228	Hs.696433	NM_007211	ENSG00000	RASSF8	C12orf2|R	Ras assoc	protein-coding
chr13-114	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSq2|SI	-11677	NM_032436	283489	Hs.7542	NM_032436	ENSG00000	CHAMP1	C13orf8|C	chromosom	protein-coding
chr14-677	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr14	67799697	67800554	+	0	NA	intron (N	intron (N	16465	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr15-736	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr15	73699271	73699979	+	0	NA	5' UTR (N	5' UTR (N	14855	NM_001329	80381	Hs.744915	NM_025240	ENSG00000	CD276	4Ig-B7-H3	CD276 mol	protein-coding
chr19-127	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr19	12746957	12748220	+	0	NA	exon (NM_	exon (NM_	-4203	NM_017682	54831	Hs.435611	NM_017682	ENSG00000	BEST2	VMD2L1	bestrophi	protein-coding
chr20-621	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr20	62189166	62189952	+	0	NA	intron (N	AluJr|SIN	6534	NM_015666	26164	Hs.340636	NM_015666	ENSG00000	MTG2	GTPBP5|Ob	mitochond	protein-coding
chr5-7844	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr5	78440485	78441323	+	0	NA	intron (N	L1PA6|LIN	80287	NM_004866	9522	Hs.482587	NM_004866	ENSG00000	SCAMP1	SCAMP|SCA	secretory	protein-coding
chr7-7782	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr7	77820026	77821619	+	0	NA	intron (N	L1MA5A|LI	-19306	NM_020432	57157	Hs.203965	NM_020432	ENSG00000	PHTF2	-	putative	protein-coding
chr8-2315	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr8	23158168	23159244	+	0	NA	intron (N	L1MEf|LIN	5321	NM_003840	8793	Hs.213467	NM_003840	ENSG00000	TNFRSF10D	CD264|DCR	TNF recep	protein-coding
chr9-1069	7.153094	0.335741	0.86708	0.387209	0.698602	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	76247	NM_021224	58499	Hs.370379	NM_021224	ENSG00000	ZNF462	ZFPIP|Zfp	zinc fing	protein-coding
chr1-1010	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr1	10105390	10106482	+	0	NA	intron (N	intron (N	72978	NM_001105	10277	Hs.593974	NM_006048	ENSG00000	UBE4B	E4|HDNB1|	ubiquitin	protein-coding
chr14-102	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSc|SIN	61987	NM_001348	122416	Hs.432945	NM_152326	ENSG00000	ANKRD9	-	ankyrin r	protein-coding
chr17-557	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr17	55754155	55754496	+	0	NA	intron (N	MER21A|LT	3220	NM_001102	58488	Hs.285218	NM_021213	ENSG00000	PCTP	PC-TP|STA	phosphati	protein-coding
chr2-6122	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr2	61228667	61229029	+	0	NA	exon (NM_	exon (NM_	51430	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-2011	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	2634	NM_001202	8837	Hs.390736	NM_003879	ENSG00000	CFLAR	CASH|CASP	CASP8 and	protein-coding
chr7-4738	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chr7	47387434	47387829	+	0	NA	intron (N	intron (N	77172	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chrX-4112	8.179552	0.314681	0.813358	0.386891	0.698837	0.981636	chrX	41128955	41131792	+	0	NA	intron (N	intron (N	44928	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitin	protein-coding
chr1-1114	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr1	11148795	11150190	+	0	NA	TTS (NR_0	TTS (NR_0	5594	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr1-1962	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr1	19623599	19624871	+	0	NA	intron (N	intron (N	16428	NR_077246	644068	Hs.660760	NR_077246		RPS14P3	RPS14_1_1	ribosomal	pseudo
chr1-2201	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L3|LINE|C	-37170	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-120	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr10	12001088	12001594	+	0	NA	intron (N	AluSq2|SI	41468	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr11-473	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr11	47309002	47311701	+	0	NA	intron (N	AluSx1|SI	-38241	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-687	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr11	68788265	68795210	+	0	NA	intron (N	AluSq|SIN	-40217	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr11-963	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr11	96367566	96370188	+	0	NA	intron (N	AluY|SINE	20939	NM_001363	79780	Hs.525088	NM_014148	ENSG00000	CCDC82	HSPC048	coiled-co	protein-coding
chr11-102	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-83560	NM_001165	330	Hs.127799	NM_001165	ENSG00000	BIRC3	AIP1|API2	baculovir	protein-coding
chr12-703	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr12	70338419	70340729	+	0	NA	intron (N	L2a|LINE|	-26716	NM_014505	27345	Hs.525529	NM_014505	ENSG00000	KCNMB4	-	potassium	protein-coding
chr12-121	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	25143	NM_001353	23067	Hs.507122	NM_015048	ENSG00000	SETD1B	KMT2G|Set	SET domai	protein-coding
chr14-963	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr14	96314639	96317031	+	0	NA	intron (N	intron (N	47506	NM_018036	55102	Hs.168241	NM_018036	ENSG00000	ATG2B	C14orf103	autophagy	protein-coding
chr15-309	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr15	30924884	30926776	+	0	NA	exon (NM_	exon (NM_	21915	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr16-148	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr16	14876433	14877721	+	0	NA	intron (N	MADE1|DNA	-24431	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr16-587	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr16	58717323	58718329	+	0	NA	intron (N	AluSq|SIN	16490	NM_001286	2806	Hs.599470	NM_002080	ENSG00000	GOT2	KAT4|KATI	glutamic-	protein-coding
chr17-180	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr17	1800756	1800955	+	0	NA	exon (NM_	exon (NM_	29047	NM_052928	114826	Hs.514602	NM_052928	ENSG00000	SMYD4	ZMYND21	SET and M	protein-coding
chr17-780	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr17	78086754	78087105	+	0	NA	exon (NM_	exon (NM_	24870	NR_040071	1E+08	Hs.635442	NR_040071	ENSG00000	TNRC6C-AS	TMC6|lnc	TNRC6C ar	ncRNA
chr19-201	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr19	20196512	20197897	+	0	NA	exon (NM_	exon (NM_	29990	NM_052852	90649	Hs.590991	NM_052852	ENSG00000	ZNF486	KRBO2	zinc fing	protein-coding
chr19-383	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr19	38394483	38395936	+	0	NA	intron (N	intron (N	4917	NR_073032	399473	Hs.196011	NM_001039	ENSG00000	SPRED3	Eve-3|spr	sprouty r	protein-coding
chr2-6950	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr2	69505313	69508898	+	0	NA	intron (N	intron (N	13066	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-1572	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	27167	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr20-315	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr20	31537581	31540664	+	0	NA	3' UTR (N	3' UTR (N	24680	NM_178582	81502	Hs.373741	NM_030789	ENSG00000	HM13	H13|IMP1|	histocomp	protein-coding
chr22-404	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr22	40400863	40402756	+	0	NA	intron (N	intron (N	31215	NM_001350	27352	Hs.474914	NM_015705	ENSG00000	SGSM3	CIP85|MAF	small G p	protein-coding
chr3-1978	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	60091	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-2691	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr4	2691006	2692332	+	0	NA	intron (N	L1MC4|LIN	64667	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr4-4465	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr4	4465179	4466648	+	0	NA	intron (N	L2a|LINE|	-3941	NM_001346	53407	Hs.584913	NM_016930	ENSG00000	STX18	Ufe1	syntaxin	protein-coding
chr4-1357	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr4	13575448	13576987	+	0	NA	intron (N	MER103C|D	-28393	NR_015450	285548	Hs.529284	NR_015450		LINC01096	-	long inte	ncRNA
chr5-5539	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr5	55391341	55393082	+	0	NA	intron (N	L1M4|LINE	84222	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr6-3344	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr6	33441715	33442235	+	0	NA	intron (N	intron (N	3644	NR_049800	1.01E+08		NR_049800	ENSG00000	MIR5004	mir-5004	microRNA	ncRNA
chr7-2996	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr7	29961345	29961823	+	0	NA	intron (N	SVA_F|Ret	28217	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr8-2325	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr8	23257424	23261845	+	0	NA	intron (N	AluSg|SIN	12993	NM_001363	91782	Hs.5019	NM_152272	ENSG00000	CHMP7	-	charged m	protein-coding
chr8-2343	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr8	23435694	23437990	+	0	NA	intron (N	intron (N	20805	NM_004901	9583	Hs.444389	NM_004901	ENSG00000	ENTPD4	LALP70|LA	ectonucle	protein-coding
chr9-1326	8.187409	0.312818	0.809462	0.386452	0.699162	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	MIR3|SINE	18305	NM_012204	9329	Hs.22302	NM_012204	ENSG00000	GTF3C4	KAT12|TF3	general t	protein-coding
chr10-148	7.467674	-0.33116	0.858448	-0.38576	0.699673	0.981636	chr10	14864605	14864804	+	0	NA	intron (N	L1PA5|LIN	-14079	NM_001193	79723	Hs.554883	NM_024670	ENSG00000	SUV39H2	KMT1B	suppresso	protein-coding
chr1-1809	8.717279	0.305913	0.793037	0.385749	0.699683	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	29334	NM_005819	10228	Hs.518417	NM_005819	ENSG00000	STX6	-	syntaxin	protein-coding
chr8-4194	8.717279	0.305913	0.793037	0.385749	0.699683	0.981636	chr8	41942698	41943387	+	0	NA	intron (N	intron (N	-46301	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr9-1320	8.717279	0.305913	0.793037	0.385749	0.699683	0.981636	chr9	13202404	13202721	+	0	NA	intron (N	L1MA4|LIN	77002	NM_003829	8777	Hs.169378	NM_003829	ENSG00000	MPDZ	HYC2|MUPP	multiple	protein-coding
chr10-740	7.846851	-0.32286	0.836992	-0.38574	0.699688	0.981636	chr10	74009556	74010207	+	0	NA	intron (N	AluSz|SIN	11765	NM_003373	7414	Hs.643896	NM_003373	ENSG00000	VCL	CMD1W|CMH	vinculin	protein-coding
chr19-111	7.846851	-0.32286	0.836992	-0.38574	0.699688	0.981636	chr19	11188677	11189015	+	0	NA	intron (N	AluSx3|SI	5744	NM_015493	25959	Hs.284208	NM_015493	ENSG00000	KANK2	ANKRD25|M	KN motif	protein-coding
chr1-2113	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr1	21135154	21136213	+	0	NA	intron (N	intron (N	-24300	NM_003760	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr10-879	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr10	87965679	87966781	+	0	NA	3' UTR (N	3' UTR (N	102605	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr11-124	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr11	12473984	12475586	+	0	NA	intron (N	AluSz|SIN	97214	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr12-214	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr12	21467750	21469571	+	0	NA	TTS (NM_0	TTS (NM_0	30745	NM_001350	79912	Hs.709545	NM_024854	ENSG00000	PYROXD1	MFM8	pyridine	protein-coding
chr15-438	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr15	43801606	43802352	+	0	NA	non-codin	non-codin	1558	NM_001199	25764	Hs.730672	NM_016400	ENSG00000	HYPK	C15orf63|	huntingti	protein-coding
chr15-756	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr15	75649595	75649915	+	0	NA	exon (NM_	exon (NM_	748	NM_001318	257364	Hs.8705	NM_153271	ENSG00000	SNX33	SH3PX3|SH	sorting n	protein-coding
chr16-751	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr16	75150111	75151119	+	0	NA	intron (N	L1MD|LINE	1564	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr16-873	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr16	87342022	87342669	+	0	NA	intron (N	AluJr|SIN	24836	NR_135180	1.02E+08	Hs.667450	NR_135180	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-646	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr17	64637120	64639897	+	0	NA	intron (N	Arthur1|D	23799	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr17-742	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr17	74204493	74205607	+	0	NA	intron (N	Tigger5b|	1372	NM_001035	6169	Hs.380953	NM_000999	ENSG00000	RPL38	L38	ribosomal	protein-coding
chr18-912	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr18	9122273	9124680	+	0	NA	intron (N	intron (N	13244	NR_110771	1.02E+08	Hs.656442	NR_110771	ENSG00000	NDUFV2-AS	-	NDUFV2 ar	ncRNA
chr2-6524	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr2	65245430	65247539	+	0	NA	intron (N	intron (N	18789	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr21-462	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr21	46282038	46284154	+	0	NA	intron (N	AluSc8|SI	2515	NM_003906	8888	Hs.389037	NM_003906	ENSG00000	MCM3AP	GANP|MAP8	minichrom	protein-coding
chr3-4935	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr3	49355000	49358132	+	0	NA	TTS (NM_2	TTS (NM_2	1787	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHP	glutathio	protein-coding
chr3-1419	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1PA6|LIN	31451	NM_001679	483	Hs.477789	NM_001679	ENSG00000	ATP1B3	ATPB-3|CD	ATPase Na	protein-coding
chr3-1490	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	TTS (NM_0	TTS (NM_0	36606	NM_004130	2992	Hs.477892	NM_004130	ENSG00000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr4-2538	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr4	25383536	25385100	+	0	NA	intron (N	Tigger1|D	7055	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-9988	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr4	99883317	99885116	+	0	NA	intron (N	intron (N	10211	NM_021970	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr4-1376	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	Intergeni	L1PA3|LIN	129452	NR_146553	1.05E+08	Hs.135587	NR_146553	ENSG00000	LINC02172	-	long inte	ncRNA
chr7-6469	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr7	64695169	64700809	+	0	NA	intron (N	L1MB2|LIN	18925	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr7-6575	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr7	65752832	65753625	+	0	NA	intron (N	intron (N	2123	NR_003110	643253	Hs.488399	NR_003110		CCT6P1	CCT6-5P|C	chaperoni	pseudo
chr8-6062	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr8	60620613	60621060	+	0	NA	3' UTR (N	3' UTR (N	-57904	NM_017780	55636	Hs.20395	NM_017780	ENSG00000	CHD7	CRG|HH5|I	chromodom	protein-coding
chr8-6156	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr8	61565975	61569257	+	0	NA	intron (N	intron (N	122195	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1250	7.880133	-0.31832	0.825858	-0.38544	0.699911	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	23691	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr10-965	8.709421	0.307761	0.798468	0.38544	0.699912	0.981636	chr10	96574627	96574997	+	0	NA	intron (N	L1PA7|LIN	12200	NM_020123	56889	Hs.500674	NM_020123	ENSG00000	TM9SF3	EP70-P-is	transmemb	protein-coding
chr10-100	7.459816	-0.32944	0.854759	-0.38542	0.699927	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	L1ME4b|LI	-18002	NM_017893	57715	Hs.591923	NM_017893	ENSG00000	SEMA4G	-	semaphori	protein-coding
chr7-6699	7.459816	-0.32944	0.854759	-0.38542	0.699927	0.981636	chr7	66998971	66999569	+	0	NA	intron (N	MER117|DN	2437	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chr18-685	7.377537	-0.33534	0.870426	-0.38526	0.700047	0.981636	chr18	6851304	6851669	+	0	NA	intron (N	L1ME1|LIN	17001	NM_001010	79822	Hs.183114	NM_030672	ENSG00000	ARHGAP28	-	Rho GTPas	protein-coding
chr6-3649	7.377537	-0.33534	0.870426	-0.38526	0.700047	0.981636	chr6	36499213	36499412	+	0	NA	intron (N	intron (N	48167	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr6-7516	7.377537	-0.33534	0.870426	-0.38526	0.700047	0.981636	chr6	75165385	75165767	+	0	NA	exon (NM_	exon (NM_	-36794	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr12-112	8.228549	0.314321	0.81595	0.385221	0.700074	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	70016	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr15-681	8.228549	0.314321	0.81595	0.385221	0.700074	0.981636	chr15	68164637	68165441	+	0	NA	intron (N	intron (N	41071	NM_033429	91860	Hs.709550	NM_033429	ENSG00000	CALML4	NY-BR-20	calmoduli	protein-coding
chr16-474	8.228549	0.314321	0.81595	0.385221	0.700074	0.981636	chr16	47499421	47500659	+	0	NA	intron (N	intron (N	38709	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding

chr5-7233	8.228549	0.314321	0.81595	0.385221	0.700074	0.981636	chr5	72335076	72336636	+	0	NA	exon (NM_	exon (NM_	15483	NM_001284	79810	Hs.126906	NM_024754	ENSG00000	PTCD2	-	pentatric	protein-coding
chr4-1431	7.77058	-0.34349	0.89169	-0.38521	0.700084	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	5601	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitin	protein-coding
chr11-118	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	TTS (NR_0	TTS (NR_0	-20296	NR_033759	10632	Hs.486360	NM_006476	ENSG00000	ATP5MG	ATP5JG|AT	ATP synth	protein-coding
chr19-755	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr19	7550174	7551396	+	0	NA	intron (N	CpG-13551	15068	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr2-1717	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	60033	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr4-7310	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr4	73108546	73109710	+	0	NA	intron (N	AluSx|SIN	-39369	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-7616	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr4	76165713	76166652	+	0	NA	intron (N	intron (N	-17667	NR_103781	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-5288	7.649682	0.322755	0.83834	0.384992	0.700243	0.981636	chr5	52888152	52888357	+	0	NA	intron (N	GA-rich|L	100338	NM_181501	3672	Hs.644352	NM_181501	ENSG00000	ITGA1	CD49a|VLA	integrin	protein-coding
chr4-1195	11.11914	-0.2714	0.705099	-0.38491	0.700305	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	83150	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr11-337	6.689787	0.354221	0.920494	0.384816	0.700374	0.981636	chr11	33759899	33760522	+	0	NA	intron (N	L1ME3A|LI	14310	NM_033406	26273	Hs.406787	NM_012175	ENSG00000	FBXO3	FBA|FBX3	F-box pro	protein-coding
chr14-344	6.689787	0.354221	0.920494	0.384816	0.700374	0.981636	chr14	34444076	34444595	+	0	NA	intron (N	MER51-int	17905	NM_138288	171546	Hs.740577	NM_138288	ENSG00000	SPTSSA	C14orf147	serine pa	protein-coding
chr7-1042	6.689787	0.354221	0.920494	0.384816	0.700374	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	MIR|SINE|	4381	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr12-880	6.095204	0.372903	0.969646	0.384577	0.700551	0.981636	chr12	880338	880588	+	0	NA	intron (N	intron (N	52613	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr12-296	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr12	29652490	29652720	+	0	NA	intron (N	L2c|LINE|	131337	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr12-625	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr12	62509060	62509791	+	0	NA	intron (N	L1MB2|LIN	42599	NM_015026	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr13-262	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr13	26219276	26219485	+	0	NA	intron (N	intron (N	2377	NM_183044	6049	Hs.136885	NM_005977	ENSG00000	RNF6	-	ring fing	protein-coding
chr15-637	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr15	63711706	63711940	+	0	NA	intron (N	MIRc|SINE	-110996	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-874	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr16	87419091	87419397	+	0	NA	intron (N	AluSq2|SI	26908	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr3-1338	7.410818	-0.3306	0.859694	-0.38455	0.700568	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	5731	NR_163491	58477	Hs.12152	NM_021203	ENSG00000	SRPRB	APMCF1|SR	SRP recep	protein-coding
chr20-384	11.58845	-0.26565	0.691134	-0.38437	0.700703	0.981636	chr20	38422837	38426130	+	0	NA	TTS (NR_0	TTS (NR_0	847	NR_002910	26776	Hs.400876	NR_002910	ENSG00000	SNORA71B	RNU71B|U7	small nuc	snoRNA
chr7-3001	8.725137	0.304146	0.791374	0.384327	0.700736	0.981636	chr7	30013315	30014184	+	0	NA	non-codin	non-codin	12953	NR_046479	55033	Hs.390838	NM_017946	ENSG00000	FKBP14	EDSKMH|EI	FKBP prol	protein-coding
chr20-913	7.194233	0.337203	0.877405	0.384319	0.700742	0.981636	chr20	9131603	9131924	+	0	NA	intron (N	MLT1H2|LT	62709	NM_001172	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr4-1223	7.194233	0.337203	0.877405	0.384319	0.700742	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MCa|LIN	-59056	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr5-1720	7.194233	0.337203	0.877405	0.384319	0.700742	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MLT1E2|LT	-45404	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box and	protein-coding
chr7-4997	7.194233	0.337203	0.877405	0.384319	0.700742	0.981636	chr7	4997331	4997780	+	0	NA	non-codin	non-codin	23570	NR_023385	441191	Hs.520636	NR_015449	ENSG00000	RNF216P1	RNF216L|h	ring fing	pseudo
chr7-7555	7.194233	0.337203	0.877405	0.384319	0.700742	0.981636	chr7	75559961	75560794	+	0	NA	intron (N	AluJo|SIN	-32254	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr1-2466	7.641824	0.324707	0.845071	0.384237	0.700803	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	-77044	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr20-622	7.641824	0.324707	0.845071	0.384237	0.700803	0.981636	chr20	62285834	62286836	+	0	NA	intron (N	AluSx1|SI	-16561	NM_175573	11047	Hs.90107	NM_007002	ENSG00000	ADRM1	ARM-1|ARM	adhesion	protein-coding
chr6-2640	7.641824	0.324707	0.845071	0.384237	0.700803	0.981636	chr6	26406400	26406676	+	0	NA	intron (N	intron (N	4263	NM_194441	11119	Hs.191510	NM_007048	ENSG00000	BTN3A1	BT3.1|BTF	butyrophi	protein-coding
chr17-821	10.65768	-0.27885	0.725951	-0.38411	0.700894	0.981636	chr17	82195064	82195299	+	0	NA	intron (N	AluJb|SIN	17661	NM_001316	284001	Hs.631724	NM_152675	ENSG00000	CCDC57	-	coiled-co	protein-coding
chr1-1737	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluJb|SIN	45712	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr1-2469	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	25411	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-125	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	10810	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr11-134	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr11	13412176	13413849	+	0	NA	intron (N	intron (N	27267	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr11-434	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr11	43447976	43452605	+	0	NA	intron (N	intron (N	91370	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-119	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	12228	NM_001351	25988	Hs.504091	NM_015517	ENSG00000	HINFP	HiNF-P|MI	histone H	protein-coding
chr12-720	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr12	7207485	7210956	+	0	NA	intron (N	intron (N	18858	NM_000319	5830	Hs.567327	NM_000319	ENSG00000	PEX5	PBD2A|PBD	peroxisom	protein-coding
chr12-804	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr12	8047161	8050664	+	0	NA	intron (N	intron (N	16196	NM_018416	55810	Hs.120844	NM_018416	ENSG00000	FOXJ2	FHX	forkhead	protein-coding
chr12-194	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr12	19473095	19475068	+	0	NA	intron (N	intron (N	33482	NM_001267	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr12-118	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluJb|SIN	10228	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr14-212	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr14	21239780	21240111	+	0	NA	intron (N	intron (N	29534	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heterogen	protein-coding
chr16-287	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr16	28734088	28734894	+	0	NA	intron (N	intron (N	10239	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr16-577	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr16	57796467	57798045	+	0	NA	intron (N	intron (N	761	NM_001130	3801	Hs.23131	NM_005550	ENSG00000	KIFC3	-	kinesin f	protein-coding
chr16-755	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr16	75597420	75598223	+	0	NA	3’ UTR (N	3’ UTR (N	25460	NM_012091	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr16-895	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr16	89522172	89535792	+	0	NA	intron (N	AluSg|SIN	20579	NM_199367	6687	Hs.185597	NM_003119	ENSG00000	SPG7	CAR|CMAR|	SPG7 matr	protein-coding
chr17-722	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr17	7221942	7231088	+	0	NA	exon (NM_	exon (NM_	-3136	NR_029896	442898		NR_029896	ENSG00000	MIR324	MIRN324|h	microRNA	ncRNA
chr17-172	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr17	17213001	17214955	+	0	NA	intron (N	intron (N	-7645	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-494	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr17	49404043	49412849	+	0	NA	intron (N	intron (N	6412	NM_001281	5245	Hs.514303	NM_002634	ENSG00000	PHB	HEL-215|H	prohibiti	protein-coding
chr17-626	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr17	62681218	62686855	+	0	NA	intron (N	intron (N	-22170	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-763	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr17	76394021	76398504	+	0	NA	exon (NM_	exon (NM_	10984	NM_001142	8877	Hs.68061	NM_021972	ENSG00000	SPHK1	SPHK	sphingosi	protein-coding
chr19-114	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr19	11439318	11442693	+	0	NA	intron (N	intron (N	-5223	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-co	protein-coding
chr2-2577	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr2	25770786	25771431	+	0	NA	intron (N	AluSc|SIN	23583	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr2-1087	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-8466	NM_001351	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-co	protein-coding
chr2-1125	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-19134	NM_001137	84172	Hs.745127	NM_019014	ENSG00000	POLR1B	RPA135|RF	RNA polym	protein-coding
chr2-1311	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	21902	NM_001309	55041	Hs.469944	NM_017958	ENSG00000	PLEKHB2	EVT2	pleckstri	protein-coding
chr2-2030	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	LTR50|LTR	43896	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr22-295	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr22	29533245	29544136	+	0	NA	intron (N	AluJb|SIN	14965	NM_001002	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr3-9739	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr3	9739947	9742344	+	0	NA	intron (N	L2c|LINE|	-8799	NM_016829	4968	Hs.380271	NM_002542	ENSG00000	OGG1	HMMH|HOGG	8-oxoguan	protein-coding
chr3-4733	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr3	47330256	47330938	+	0	NA	intron (N	intron (N	47653	NM_025010	23276	Hs.517946	NM_025010	ENSG00000	KLHL18	-	kelch lik	protein-coding
chr3-1264	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15369	NM_025112	79364	Hs.440049	NM_025112	ENSG00000	ZXDC	ZXDL	ZXD famil	protein-coding
chr3-1702	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJb|SIN	64693	NM_002740	5584	Hs.478199	NM_002740	ENSG00000	PRKCI	DXS1179E|	protein k	protein-coding
chr5-1266	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx|SIN	8436	NM_032177	51808	Hs.555731	NM_032177	ENSG00000	PHAX	RNUXA	phosphory	protein-coding
chr5-1739	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	-43157	NM_001144	133491	Hs.131469	NM_001144	ENSG00000	C5orf47	-	chromosom	protein-coding
chr6-1777	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr6	17770578	17781343	+	0	NA	intron (N	AluSp|SIN	68917	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-4410	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr6	44103524	44104924	+	0	NA	Intergeni	LTR33|LTR	22043	NM_001318	64928	Hs.311190	NM_032111	ENSG00000	MRPL14	L14mt|L32	mitochond	protein-coding
chr6-1553	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	4703	NM_016020	51106	Hs.279908	NM_016020	ENSG00000	TFB1M	CGI-75|CG	transcrip	protein-coding
chr7-4510	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr7	45100140	45109882	+	0	NA	promoter-	promoter-	31	NR_002991	677796	Hs.692718	NR_002991	ENSG00000	SNORA5C	ACA5c	small nuc	snoRNA
chr7-7506	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr7	75065362	75069573	+	0	NA	intron (N	AluSx1|SI	6335	NM_001363	81554	Hs.529623	NM_030798	ENSG00000	RCC1L	WBSCR16	RCC1 like	protein-coding
chr7-1213	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	3575	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr7-1403	8.195267	0.310985	0.809622	0.384111	0.700896	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	18429	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding
chr6-1703	37.18296	0.162802	0.423899	0.384058	0.700936	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	68633	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr1-4636	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr1	46360466	46362679	+	0	NA	non-codin	non-codin	20394	NM_001256	387338	Hs.163424	NM_199044	ENSG00000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr1-2352	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-34556	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr10-731	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr10	73158166	73158519	+	0	NA	intron (N	L1MA8|LIN	9666	NM_007265	11319	Hs.631822	NM_007265	ENSG00000	ECD	GCR2|HSGT	ecdysonel	protein-coding
chr11-879	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr11	8794464	8794974	+	0	NA	intron (N	intron (N	15955	NM_213618	6764	Hs.117715	NM_005418	ENSG00000	ST5	DENND2B|H	suppressi	protein-coding
chr12-561	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr12	56142209	56144388	+	0	NA	exon (NM_	exon (NM_	-9289	NM_002475	140465	Hs.632731	NM_002475	ENSG00000	MYL6B	MLC1SA	myosin li	protein-coding
chr13-102	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-5702	NR_026965	121952	Hs.660773	NR_026965	ENSG00000	METTL21EP	METTL21CP	methyltra	pseudo
chr14-242	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr14	24295215	24296257	+	0	NA	intron (N	intron (N	3724	NM_138452	115817	Hs.348350	NM_138452	ENSG00000	DHRS1	SDR19C1	dehydroge	protein-coding
chr14-313	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr14	31393019	31395376	+	0	NA	exon (NM_	exon (NM_	26353	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr16-206	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr16	2061842	2066694	+	0	NA	intron (N	intron (N	16066	NM_001318	7249	Hs.90303	NM_000548	ENSG00000	TSC2	LAM|PPP1R	TSC compl	protein-coding
chr17-537	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr17	5377826	5379585	+	0	NA	intron (N	intron (N	-40936	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-545	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr17	5452301	5456404	+	0	NA	intron (N	MER81|DNA	14630	NM_001199	56919	Hs.250456	NM_020162	ENSG00000	DHX33	DDX33	DEAH-box	protein-coding
chr17-376	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr17	37620431	37620675	+	0	NA	intron (N	intron (N	-5514	NR_106744	1.02E+08		NR_106744	ENSG00000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr2-9919	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr2	99195276	99197721	+	0	NA	3’ UTR (N	3’ UTR (N	15314	NR_028356	51263	Hs.346736	NM_016503	ENSG00000	MRPL30	L28MT|L30	mitochond	protein-coding
chr2-2380	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-24876	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr20-348	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr20	34848338	34848744	+	0	NA	intron (N	intron (N	-14079	NR_002165	128872	Hs.558624	NR_002165		HMGB3P1	HMG4L|HMG	high mobi	pseudo
chr22-426	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr22	42625439	42626471	+	0	NA	intron (N	Charlie1b	10710	NR_029422	267010	Hs.574857	NR_029422	ENSG00000	RNU12	RNU12-1|R	RNA, U12	snRNA
chr22-502	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr22	50216010	50217857	+	0	NA	TTS (NM_0	TTS (NM_0	15922	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr7-1077	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	MER1B|DNA	-6515	NR_144537	1.02E+08	Hs.432792	NR_144536	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-1443	7.65754	0.320804	0.836242	0.383626	0.701256	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	6438	NR_106907	1.02E+08		NR_106907	ENSG00000	MIR6848	hsa-mir-6	microRNA	ncRNA
chr10-956	6.656506	0.350335	0.913456	0.383527	0.701329	0.981636	chr10	95679872	95680267	+	0	NA	intron (N	intron (N	13858	NM_015631	26123	Hs.438991	NM_015631	ENSG00000	TCTN3	C10orf61|	tectonic	protein-coding
chr3-1259	6.656506	0.350335	0.913456	0.383527	0.701329	0.981636	chr3	12594221	12595581	+	0	NA	intron (N	intron (N	37814	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|R	makorin r	protein-coding
chr5-1720	6.656506	0.350335	0.913456	0.383527	0.701329	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-48136	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box and	protein-coding
chr9-1298	6.656506	0.350335	0.913456	0.383527	0.701329	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	5141	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr1-1179	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	3’ UTR (N	3’ UTR (N	31130	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr10-133	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr10	13323218	13324287	+	0	NA	intron (N	AluJo|SIN	-23622	NM_001323	5264	Hs.498732	NM_006214	ENSG00000	PHYH	LN1|LNAP1	phytanoyl	protein-coding
chr10-801	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr10	80164819	80166811	+	0	NA	intron (N	intron (N	33085	NM_001331	219348	Hs.204947	NM_001012	ENSG00000	PLAC9	-	placenta	protein-coding
chr10-894	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr10	89420971	89422293	+	0	NA	TTS (NM_0	TTS (NM_0	7064	NM_012420	24138	Hs.252839	NM_012420	ENSG00000	IFIT5	ISG58|P58	interfero	protein-coding
chr10-100	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	30036	NM_001347	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr11-937	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr11	93721482	93722064	+	0	NA	TTS (NR_0	TTS (NR_0	259	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Caj	ncRNA
chr12-109	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx|SIN	38580	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr17-135	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr17	13518032	13518642	+	0	NA	intron (N	L1ME3G|LI	25309	NR_031679	1E+08		NR_031679	ENSG00000	MIR548H3	MIR548H-3	microRNA	ncRNA
chr19-556	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr19	55671730	55673166	+	0	NA	intron (N	MER20|DNA	-2747	NM_001321	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-2382	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr2	23822564	23823482	+	0	NA	intron (N	intron (N	104100	NM_017552	54454	Hs.467862	NM_017552	ENSG00000	ATAD2B	-	ATPase fa	protein-coding
chr2-4837	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr2	48376020	48377595	+	0	NA	3’ UTR (N	3’ UTR (N	62125	NM_002158	3344	Hs.468478	NM_002158	ENSG00000	FOXN2	HTLF	forkhead	protein-coding
chr3-3170	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr3	3170618	3171617	+	0	NA	intron (N	intron (N	8600	NM_016302	51185	Hs.18925	NM_016302	ENSG00000	CRBN	MRT2|MRT2	cereblon	protein-coding
chr3-4997	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr3	49973938	49975113	+	0	NA	intron (N	AluY|SINE	34375	NM_001349	10180	Hs.696735	NM_005777	ENSG00000	RBM6	3G2|DEF-3	RNA bindi	protein-coding
chr4-4858	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr4	48582220	48583268	+	0	NA	intron (N	intron (N	92492	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr5-8736	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr5	87365389	87367753	+	0	NA	intron (N	Charlie17	-42943	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr5-1575	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	Chap1_Mam	-43964	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr5-1791	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	93252	NM_014594	30832	Hs.272328	NM_014594	ENSG00000	ZNF354C	KID3	zinc fing	protein-coding
chr8-1092	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr8	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MEc|LIN	58304	NM_001128	84955	Hs.380291	NM_032869	ENSG00000	NUDCD1	CML66|OVA	NudC doma	protein-coding
chr9-3743	4.684116	-0.40677	1.060714	-0.38348	0.70136	0.981636	chr9	37433997	37434519	+	0	NA	intron (N	intron (N	11562	NM_012203	9380	Hs.155742	NM_012203	ENSG00000	GRHPR	GLXR|GLYD	glyoxylat	protein-coding
chr1-3511	7.451958	-0.32767	0.854615	-0.38342	0.701411	0.981636	chr1	35113231	35113905	+	0	NA	exon (NM_	exon (NM_	34183	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr12-687	7.451958	-0.32767	0.854615	-0.38342	0.701411	0.981636	chr12	68753374	68754627	+	0	NA	intron (N	AluSc|SIN	7824	NM_001354	55508	Hs.506011	NM_018656	ENSG00000	SLC35E3	BLOV1	solute ca	protein-coding
chr17-553	7.451958	-0.32767	0.854615	-0.38342	0.701411	0.981636	chr17	5530089	5530691	+	0	NA	intron (N	intron (N	-29384	NM_001162	728392	Hs.104305	NM_001162	ENSG00000	LOC728392	-	uncharact	protein-coding
chr3-8694	7.451958	-0.32767	0.854615	-0.38342	0.701411	0.981636	chr3	86946874	86947304	+	0	NA	intron (N	intron (N	44060	NM_001320	389136	Hs.606507	NM_016206	ENSG00000	VGLL3	VGL-3|VGL	vestigial	protein-coding
chr7-1290	7.451958	-0.32767	0.854615	-0.38342	0.701411	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	54886	NR_034053	23534	Hs.193613	NM_012470	ENSG00000	TNPO3	IPO12|LGM	transport	protein-coding
chr11-662	6.185341	0.373738	0.975299	0.383203	0.701569	0.981636	chr11	66224488	66225303	+	0	NA	intron (N	intron (N	-32399	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr10-246	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr10	246707	247434	+	0	NA	intron (N	intron (N	67076	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr11-124	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr11	12476519	12478935	+	0	NA	intron (N	FLAM_A|SI	100156	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr17-750	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr17	75060613	75061202	+	0	NA	intron (N	intron (N	13682	NM_015353	23510	Hs.514468	NM_015353	ENSG00000	KCTD2	-	potassium	protein-coding
chr18-163	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr18	163630	169774	+	0	NA	intron (N	intron (N	8145	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding

chr19-233	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr19	23389579	23390977	+	0	NA	intron (N	AluSp|SIN	5193	NM_00343	7644	Hs.58834	NM_00343	ENSG0000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr2-241	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	TTS (NM_	TTS (NM_	13986	NM_182501	130916	Hs.15955	NM_182501	ENSG0000	MTERF4	MTERFD2	mitochon	protein-coding
chr4-534	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr4	53401616	53406445	+	0	NA	intron (N	L1PA3|LIN	26377	NM_001134	81608	Hs.55510	NM_030917	ENSG0000	FIP1L1	FIP1|Rhe|	factor i	protein-coding
chr4-1222	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	39802	NM_01531	84162	Hs.40814	NM_01531	ENSG0000	KIAA1109	ALKKUCS|	KIAA1109	protein-coding
chr5-1297	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-43187	NM_001257	1E+08	Hs.582534	NM_001257	ENSG0000	MINAR2	KIAA1024	membrane	protein-coding
chr5-1462	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	58035	NM_01898	54439	Hs.61441	NM_01898	ENSG0000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr6-1113	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSq|SIN	-111760	NR_03410	643749	Hs.48622	NR_03410	ENSG0000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr7-6492	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr7	64923209	64928185	+	0	NA	intron (N	AluSg|SIN	22455	NM_02114	10793	Hs.52088	NM_02114	ENSG0000	ZNF273	HZF9	zinc fing	protein-coding
chr9-1278	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	3287	NR_13630	1.03E+08		NR_13630	ENSG0000	LOC10272	-	uncharact	ncRNA
chr9-1347	7.921272	-0.31557	0.8244	-0.38279	0.701876	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	96183	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr12-476	3.470382	0.468262	1.223617	0.382687	0.701952	0.981636	chr12	47642679	47643452	+	0	NA	Intergeni	L1MDa|LIN	62965	NM_024604	79657	Hs.43785	NM_024604	ENSG0000	RPAP3	Tah1|hSp	RNA poly	protein-coding
chr1-5439	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr1	54391708	54394205	+	0	NA	intron (N	intron (N	13438	NM_00100	23648	Hs.47670	NM_01807	ENSG0000	SSBP3	CSDP|SSD	single st	protein-coding
chr1-2143	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	83673	NM_020197	56950	Hs.66170	NM_020197	ENSG0000	SMYD2	HSKM-B|K	SET and	protein-coding
chr1-2143	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	L2|LINE|L	89218	NM_020197	56950	Hs.66170	NM_020197	ENSG0000	SMYD2	HSKM-B|K	SET and	protein-coding
chr10-693	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr10	69387955	69389848	+	0	NA	intron (N	intron (N	28017	NM_001057	6865	Hs.88372	NM_001057	ENSG0000	TACR2	NK2R|NKN	tachykini	protein-coding
chr10-738	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr10	73859160	73860897	+	0	NA	intron (N	intron (N	14527	NM_001367	818	Hs.52304	NM_00122	ENSG0000	CAMK2G	CAMK|CAM	calcium/	protein-coding
chr11-648	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr11	64804391	64806549	+	0	NA	intron (N	intron (N	-2256	NM_001307	5871	Hs.534341	NM_00457	ENSG0000	MAP4K2	BL44|GCK|	mitogen-	protein-coding
chr11-116	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSx1|SI	3216	NM_03272	84811	Hs.437341	NM_03272	ENSG0000	BUD13	Cwc26|fS	BUD13 hom	protein-coding
chr15-425	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr15	42516258	42518708	+	0	NA	intron (N	intron (N	21849	NM_00382	8773	Hs.51114	NM_00382	ENSG0000	SNAP23	HsT17016|	synaptos	protein-coding
chr19-113	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr19	11361557	11364315	+	0	NA	intron (N	MER96B|DN	7504	NM_00117	64748	Hs.6846	NM_022737	ENSG0000	PLPPR2	LPPR2|PR	phospholi	protein-coding
chr19-126	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr19	12602797	12603677	+	0	NA	intron (N	AluJo|SIN	7576	NM_020714	57474	Hs.65586	NM_020714	ENSG0000	ZNF490	-	zinc fing	protein-coding
chr2-1209	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	196900	NM_00527	2736	Hs.111867	NM_00527	ENSG0000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr22-462	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr22	46218492	46219189	+	0	NA	intron (N	AluSx|SIN	31453	NM_207327	150383	Hs.10311	NM_207327	ENSG0000	CDPF1	C22orf40	cysteine	protein-coding
chr22-502	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr22	50282804	50284687	+	0	NA	exon (NM_	exon (NM_	-13365	NR_110887	5600	Hs.57732	NM_002751	ENSG0000	MAPK11	P38B|P38	mitogen-	protein-coding
chr3-1446	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr3	14461680	14464375	+	0	NA	intron (N	MER4CL34|	60421	NM_001134	6533	Hs.52948	NM_00304	ENSG0000	SLC6A6	TAUT	solute c	protein-coding
chr3-1849	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	159851	NM_00134	23355	Hs.26926	NM_01530	ENSG0000	VPS8	KIAA0804	VPS8 sub	protein-coding
chr7-149	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluYe6|SI	8724	NR_163909								
chr8-4159	7.698679	0.322287	0.842555	0.382511	0.702082	0.981636	chr8	41598443	41599505	+	0	NA	5’ UTR (N	5’ UTR (N	20458	NM_00136	137964	Hs.35575	NM_17881	ENSG0000	GPAT4	1-AGPAT	glycerol-	protein-coding
chr17-388	7.92913	-0.31724	0.829437	-0.38248	0.702108	0.981636	chr17	38878586	38879383	+	0	NA	intron (N	(TCCCA)n|	8926	NM_00614	3927	Hs.74115	NM_00614	ENSG0000	LASP1	Lasp-1|M	LIM and	protein-coding
chr19-516	7.92913	-0.31724	0.829437	-0.38248	0.702108	0.981636	chr19	51694427	51695478	+	0	NA	intron (N	MIRb|SINE	-1496	NR_10810	1.02E+08	Hs.64018	NR_10810	ENSG0000	SPACA6P-	LINC0112	SPACA6P	ncRNA
chr3-1238	7.92913	-0.31724	0.829437	-0.38248	0.702108	0.981636	chr3	12380912	12382560	+	0	NA	intron (N	intron (N	30234	NM_01586	5468	Hs.16264	NM_005037	ENSG0000	PPARG	CIMT1|GL	peroxiso	protein-coding
chr4-3971	7.813569	-0.32773	0.856858	-0.38247	0.702109	0.981636	chr4	39717893	39718120	+	0	NA	intron (N	LTR12C|LT	19870	NM_001111	3093	Hs.50308	NM_00533	ENSG0000	UBE2K	E2-25K|H	ubiquiti	protein-coding
chr1-2037	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	5357	NR_04621	84719	Hs.66117	NM_032633		LINC0026	C1orf217|	long int	ncRNA
chr17-794	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr17	7947403	7948543	+	0	NA	exon (NM_	exon (NM_	15767	NM_00135	116840	Hs.34801	NM_053051	ENSG0000	CNTROB	LIP8|PP1	centrobi	protein-coding
chr2-1213	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-66702	NM_01455	29842	Hs.156471	NM_01455	ENSG0000	TFCP2L1	CRTR1|LB	transcri	protein-coding
chr5-694	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr5	69408660	69409778	+	0	NA	intron (N	L1M4b|LIN	-5897	NM_001244	153562	Hs.657687	NM_144724	ENSG0000	MARVELD2	DFNB49|M	MARVEL d	protein-coding
chr6-3736	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr6	37368471	37369330	+	0	NA	exon (NM_	exon (NM_	14917	NR_04639	9025	Hs.48527	NM_00395	ENSG0000	RNF8	hRNF8	ring fing	protein-coding
chr7-4401	7.160952	0.333534	0.872275	0.382373	0.702185	0.981636	chr7	44014981	44016281	+	0	NA	intron (N	intron (N	3563	NR_00365	84820	Hs.65702	NM_032734	ENSG0000	POLR2J4	RPB11-phi	RNA poly	pseudo
chr8-1007	11.5806	-0.26449	0.691846	-0.3823	0.702241	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-7364	NR_10699	1.02E+08		NR_10699	ENSG0000	MIR7705	hsa-mir-7	microRNA	ncRNA
chr20-564	6.607508	0.350882	0.917958	0.382242	0.702282	0.981636	chr20	56447187	56447426	+	0	NA	intron (N	LTR78|LT	-21279	NM_016407	51507	Hs.517134	NM_016407	ENSG0000	RTF2	C20orf43|	replicati	protein-coding
chr2-1135	11.16028	-0.26946	0.705519	-0.38193	0.702513	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	TTS (NR_	TTS (NR_	3031	NR_02400	84771	Hs.71294	NR_024004		DDX11L2	-	DEAD/H-b	pseudo
chr8-4784	11.16028	-0.26946	0.705519	-0.38193	0.702513	0.981636	chr8	47848073	47849157	+	0	NA	intron (N	L1PA16|LI	-110451	NM_00519	1052	Hs.44082	NM_00519	ENSG0000	CEBPD	C/EBP-del	CCAAT en	protein-coding
chr7-1026	6.949362	-0.34598	0.906039	-0.38186	0.702566	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	Intergeni	AluJo|SIN	9025	NM_001114	1E+08	Hs.61025	NM_001114	ENSG0000	UPK3BL1	UPK3BL|U	uroplaki	protein-coding
chr12-101	8.163836	0.318648	0.834613	0.381791	0.702616	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	L2b|LINE|	7539	NM_001177	400	Hs.37261	NM_001177	ENSG0000	ARL1	ARFL1	ADP ribo	protein-coding
chr9-1934	9.255007	0.298387	0.781847	0.381644	0.702726	0.981636	chr9	19346367	19346898	+	0	NA	exon (NM_	exon (NM_	33604	NM_00101	6194	Hs.40807	NM_00101	ENSG0000	RPS6	S6	ribosomal	protein-coding
chr1-4023	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr1	40231547	40232988	+	0	NA	intron (N	intron (N	-15670	NM_00100	127391	Hs.40626	NM_00100	ENSG0000	TMCO2	dJ39G22.	transmem	protein-coding
chr1-2254	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	15743	NM_00229	3930	Hs.43516	NM_00229	ENSG0000	LBR	C14SR|DH	lamin B	protein-coding
chr10-924	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr10	92486033	92490238	+	0	NA	intron (N	AluSx4|SI	9626	NM_00132	3416	Hs.50054	NM_00496	ENSG0000	IDE	INSULYSI	insulin	protein-coding
chr11-326	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr11	32601974	32602352	+	0	NA	TTS (NM_	TTS (NM_	18332	NM_00636	10480	Hs.502244	NM_00636	ENSG0000	EIF3M	B5|GA17|	eukaryoti	protein-coding
chr12-143	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr12	14379440	14379779	+	0	NA	intron (N	HAL1|LINE	-5672	NM_18135	55729	Hs.50485	NM_01817	ENSG0000	ATF7IP	AM|ATF-I	activati	protein-coding
chr12-296	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr12	29659183	29660696	+	0	NA	exon (NM_	exon (NM_	124003	NM_001367	83857	Hs.401954	NM_03192	ENSG0000	TMTC1	ARG99|OL	transmem	protein-coding
chr12-798	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr12	79866913	79868166	+	0	NA	intron (N	L1MC5|LIN	46372	NM_00114	4659	Hs.49582	NM_00248	ENSG0000	PPP1R12A	M130|MBS|	protein	protein-coding
chr12-105	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	37093	NM_001251	55198	Hs.50660	NM_018171	ENSG0000	APPL2	DIP13B	adaptor	protein-coding
chr15-588	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr15	58847510	58849723	+	0	NA	intron (N	AluY|SINE	77314	NM_00104	54629	Hs.59112	NM_01909	ENSG0000	MINDY2	FAM63B	MINDY ly	protein-coding
chr15-681	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr15	68103104	68103765	+	0	NA	intron (N	intron (N	48858	NM_00132	8554	Hs.16245	NM_01616	ENSG0000	PIAS1	DDXBP1|G	protein i	protein-coding
chr15-988	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr15	98827588	98828191	+	0	NA	intron (N	intron (N	43463	NR_039864	1.01E+08		NR_039864	ENSG0000	MIR4714	-	microRNA	ncRNA
chr17-155	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr17	15538497	15543110	+	0	NA	intron (N	L2a|LINE|	22680	NM_001204	1.01E+08	Hs.16459	NM_001204	ENSG0000	TVP23C-C	FAM18B2|	TVP23C-C	protein-coding
chr17-584	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr17	58499756	58502726	+	0	NA	intron (N	AluJr4|SI	-12833	NM_00108	124535	Hs.380061	NM_00108	ENSG0000	HSF5	HSF 5|HS	heat sho	protein-coding
chr18-26	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr18	26066515	26072886	+	0	NA	intron (N	intron (N	20913	NM_001007	6760	Hs.129261	NM_005637	ENSG0000	SS18	SSXT|SYT	SS18 sub	protein-coding
chr18-593	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr18	59326575	59331751	+	0	NA	3’ UTR (N	3’ UTR (N	-10514	NM_18165	339302	Hs.449884	NM_18165	ENSG0000	CPLX4	CPX-IV|C	complexi	protein-coding
chr18-686	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr18	68694318	68695163	+	0	NA	intron (N	intron (N	20368	NM_00135	54495	Hs.440534	NM_01902	ENSG0000	TMX3	PDIA13|T	thioredo	protein-coding
chr19-125	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr19	12547220	12549424	+	0	NA	intron (N	AluYj4|SI	3160	NM_14497	163050	Hs.65561	NM_14497	ENSG0000	ZNF564	-	zinc fing	protein-coding
chr2-5381	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr2	53810713	53819291	+	0	NA	intron (N	AluSx|SIN	27958	NM_015701	27248	Hs.43833	NM_015701	ENSG0000	ERLEC1	C2orf30|	endoplas	protein-coding
chr2-1282	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MEi|LIN	43791	NM_004807	9394	Hs.512841	NM_004807	ENSG0000	HS6ST1	HH15|HS6	heparan	protein-coding
chr2-2349	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	promoter-	promoter-	-104	NM_001371303								
chr2-2413	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	L1ME2|LIN	11596	NM_001321	4735	Hs.721234	NM_004404	ENSG0000	SEPTIN2	DIFF6|NE	septin 2	protein-coding
chr21-335	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr21	33536219	33539158	+	0	NA	intron (N	L2a|LINE|	4429	NM_00081	2618	Hs.47364	NM_00081	ENSG0000	GART	AIRS|GAR	phosphori	protein-coding
chr21-36	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr21	36038295	36038677	+	0	NA	intron (N	intron (N	21878	NM_001007	54093	Hs.60620	NM_01743	ENSG0000	SETD4	C21orf18|	SET domai	protein-coding
chr3-520	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr3	5200457	5205168	+	0	NA	intron (N	intron (N	15105	NM_014674	9695	Hs.22461	NM_014674	ENSG0000	EDEM1	EDEM	ER degra	protein-coding
chr3-1571	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr3	15719213	15722733	+	0	NA	non-codin	non-codin	-23602	NR_03608	1E+08		NR_03608	ENSG0000	MIR3134	-	microRNA	ncRNA
chr3-1254	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	69305	NM_003794	8723	Hs.50724	NM_003794	ENSG0000	SNX4	ATG24B	sorting	protein-coding
chr3-1721	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	MSTB|LTR|	103565	NM_00113	64778	Hs.74488	NM_02276	ENSG0000	FNDC3B	FAD104|P	fibronect	protein-coding
chr4-7595	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr4	75951548	75952740	+	0	NA	intron (N	Tigger20	-11131	NM_00104	27163	Hs.43736	NM_01443	ENSG0000	NAAA	ASAHL|PL	N-acylet	protein-coding
chr4-8713	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr4	87130104	87134166	+	0	NA	intron (N	intron (N	88133	NM_00129	57563	Hs.106601	NM_02080	ENSG0000	KLHL8	-	kelch li	protein-coding
chr5-8738	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr5	87381342	87382163	+	0	NA	intron (N	intron (N	31152	NM_00119	902	Hs.292524	NM_00123	ENSG0000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr5-1548	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-21345	NR_039667	1.01E+08		NR_039667	ENSG0000	MIR378H	-	microRNA	ncRNA
chr6-1472	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-74818	NR_03411	729178	Hs.55760	NR_034115		STXBP5-A	-	STXBP5 a	ncRNA
chr7-8718	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr7	87180195	87189774	+	0	NA	intron (N	LFSINE_V	32430	NM_02114	9988	Hs.19612	NM_02114	ENSG0000	DMTF1	DMP1|DMT	cyclin D	protein-coding
chr7-1355	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	22914	NM_00132	23165	Hs.74325	NM_01513	ENSG0000	NUP205	C7orf14|	nucleopo	protein-coding
chr8-4793	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr8	47938682	47940157	+	0	NA	intron (N	MER8|DNA|	20717	NM_001081	5591	Hs.49168	NM_006904	ENSG0000	PRKDC	DNA-PKC|	protein k	protein-coding
chr8-7332	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr8	73321609	73323832	+	0	NA	exon (NM_	exon (NM_	28118	NM_172037	157506	Hs.24494	NM_172037	ENSG0000	RDH10	SDR16C4	retinol	protein-coding
chr8-1082	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	46519	NM_00156	3646	Hs.40559	NM_00156	ENSG0000	EIF3E	EIF3-P48|	eukaryoti	protein-coding
chr8-1301	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-80115	NR_04538	1.01E+08	Hs.10601	NR_04538	ENSG0000	ASAP1-IT	-	ASAP1 int	ncRNA
chr9-7026	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr9	70260098	70262360	+	0	NA	intron (N	L2|LINE|L	2251	NM_01511	23137	Hs.53418	NM_01511	ENSG0000	SMC5	SMC5L1	structur	protein-coding
chr9-1347	7.913414	-0.31392	0.822635	-0.3816	0.702759	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	80907	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr11-116	7.872275	-0.31666	0.830592	-0.38125	0.703017	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	13133	NM_03272	84811	Hs.437341	NM_03272	ENSG0000	BUD13	Cwc26|fS	BUD13 hom	protein-coding
chr12-64	7.872275	-0.31666	0.830592	-0.38125	0.703017	0.981636	chr12	64054513	64055735	+	0	NA	intron (N	L1P1|LINE	167172	NM_00130	144577	Hs.444671	NM_15244	ENSG0000	C12orf66	-	chromoso	protein-coding
chr6-8218	7.872275	-0.31666	0.830592	-0.38125	0.703017	0.981636	chr6	82180864	82181442	+	0	NA	intron (N	AluJr|SIN	66591	NM_00130	25998	Hs.30642	NM_01552	ENSG0000	IBTK	BTBD26|B	inhibito	protein-coding
chr6-1175	7.872275	-0.31666	0.830592	-0.38125	0.703017	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	33293	NM_001017	57120	Hs.19153	NM_02039	ENSG0000	GOPC	CAL|FIG|	golgi as	protein-coding
chr8-3345	7.872275	-0.31666	0.830592	-0.38125	0.703017	0.981636	chr8	33451475	33451878	+	0	NA	intron (N	THE1D|LT	21470	NM_032664	84750	Hs.45871	NM_032664	ENSG0000	FUT10	FUCTX	fucosylt	protein-coding
chr1-1144	7.633966	0.326706	0.856931	0.381251	0.703017	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	102346	NM_03302	51592	Hs.26837	NM_01590	ENSG0000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr1-2365	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	8251	NM_01807	55127	Hs.708114	NM_01807	ENSG0000	HEATR1	BAP28|UT	HEAT rep	protein-coding
chr2-1866	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-29036	NM_177454	165215	Hs.28872	NM_177454	ENSG0000	FAM171B	KIAA1946	family wi	protein-coding
chr20-181	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr20	18142661	18142860	+	0	NA	exon (NM_	exon (NM_	536	NM_02053	57325	Hs.488051	NM_02053	ENSG0000	KAT14	ATAC2|CR	lysine ac	protein-coding
chr20-385	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr20	38569655	38571745	+	0	NA	intron (N	intron (N	-10497	NR_130907	149685	Hs.36802	NM_17490	ENSG0000	ADIG	SMAF1	adipogeni	protein-coding
chr3-1946	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	intron (N	7586	NM_13839	93109	Hs.47872	NM_13839	ENSG0000	TMEM44	-	transmem	protein-coding
chr5-5724	8.691855	0.300975	0.789533	0.381206	0.70305	0.981636	chr5	57247383	57248738	+	0	NA	intron (N	intron (N	33986	NM_001127	65056	Hs.44427	NM_02291	ENSG0000	GPBP1	GPBP|SSH	GC-rich	protein-coding
chr18-292	8.732995	0.302429	0.793387	0.381188	0.703064	0.981636	chr18	2926946	2928335	+	0	NA	intron (N	intron (N	18983	NR_02665	727896	Hs.67312	NR_026659		LOC72789	-	cysteine	pseudo
chr11-103	7.731961	0.325773	0.855118	0.380968	0.703227	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	136752	NM_001377	79659	Hs.503721	NM_001377	ENSG0000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr2-2302	7.731961	0.325773	0.855118	0.380968	0.703227	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	16248	NM_00450	3431	Hs.14515	NM_00450	ENSG0000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr4-8737	6.59965	0.353071	0.926797	0.380958	0.703234	0.981636	chr4	87371280	87371629	+	0	NA	intron (N	L1ME3A|LI	19734	NM_01624	51170	Hs.59492	NM_01624	ENSG0000	HSD17B11	17-BETA-	hydroxyst	protein-coding
chr12-123	8.683998	0.302776	0.794949	0.380875	0.703296	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	24164	NR_10703	1.02E+08		NR_10703	ENSG0000	MIR8072	hsa-mir-	microRNA	ncRNA
chr20-472	8.683998	0.302776	0.794949	0.380875	0.703296	0.981636	chr20	47298126	47298735	+	0	NA	3’ UTR (N	3’ UTR (N	-20072	NR_024594	1E+08	Hs.662547	NR_024594	ENSG0000	LOC100131	-	uncharact	ncRNA
chr3-186	8.683998	0.302776	0.794949	0.380875	0.703296	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	52155	NM_004454	2119	Hs.43697	NM_004454	ENSG0000	ETV5	ERM	ETS vari	protein-coding
chr4-5539	11.62173	-0.26265	0.690499	-0.38037	0.703668	0.981636	chr4	55397536	55397980	+	0	NA	intron (N	AluJo|SIN	1801	NM_01847	55858	Hs.47976	NM_01847	ENSG0000	TMEM165	CDG2K|FT	transmem	protein-coding
chr16-15	11.15242	-0.26825	0.705308	-0.38033	0.7037	0.981636	chr16	15011889	15013033	+	0	NA	intron (N	L1ME1|LIN	-2064	NR_03626	1E+08		NR_03626	ENSG0000	MIR1972-2	-	microRNA	ncRNA
chr2-2245	11.15242	-0.26825	0.705308	-0.38033	0.7037	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	64933	NM_001257	8452	Hs.37228	NM_00359	ENSG0000	CUL3	CUL-3|PH	cullin 3	protein-coding
chr1-4384	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr1	43841917	43842770	+	0	NA	intron (N	MSTA|LTR|	3721	NR_106727	1.02E+08		NR_106727	ENSG0000	MIR6079	hsa-mir-	microRNA	ncRNA
chr1-1737	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	Intergeni	AluSp|SIN	35439	NM_001171	91687	Hs.53185	NM_03331	ENSG0000	CENPL	C1orf155|	centrome	protein-coding
chr10-69	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr10	69012029	69013042	+	0	NA	intron (N	intron (N	23732	NM_015634	26128	Hs.27958	NM_015634	ENSG0000	KIF1BP	KBP|KIAA1	KIF1 bin	protein-coding
chr11-108	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	(T)n|Simp	13960	NM_001351	472	Hs.367437	NM_000051	ENSG0000	ATM	AT1|ATA|	ATM seri	protein-coding
chr13-331	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr13	33135056	33135735	+	0	NA	intron (N	Charlie1	50696	NM_00124	90627	Hs.156551	NM_052851	ENSG0000	STARD13	ARHGAP37|	StAR rel	protein-coding
chr15-845	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr15	84536442	84538567	+	0	NA	intron (N	intron (N	-20657	NM_001267	643707	Hs.49834	NM_001267	ENSG0000	GOLGA6L4	-	golgin A	protein-coding
chr16-865	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr16	86538204	86541666	+	0	NA	intron (N	intron (N	15300	NM_00115	64779	Hs.343627	NM_022764	ENSG0000	MTHFSD	-	methenylt	protein-coding
chr16-892	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr16	89287567	89290146	+	0	NA	intron (N	intron (N	-7272	NR_13633	1.05E+08	Hs.657381	NR_13633	ENSG0000	LOC105371	-	uncharact	ncRNA
chr17-418	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr17	4189456	4190055	+	0	NA	intron (N	intron (N	46058	NM_001254	124936	Hs.513871	NM_144611	ENSG0000	CYB5D2	-	cytochro	protein-coding
chr19-12	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr19	12066065	12066851	+	0	NA	intron (N	LTR8A|LT	1727	NM_00113	284391	Hs.646391	NM_00113	ENSG0000	ZNF844	-	zinc fing	protein-coding
chr19-193	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr19	19342985	19346835	+	0	NA	exon (NM_	exon (NM_	24081	NM_01532	23383	Hs.65493	NM_01532	ENSG0000	MAU2	KIAA0892|	MAU2 sist	protein-coding
chr2-3244	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr2	32449456	32451005	+	0	NA	intron (N	AluYk3|SI	-81923	NR_03028	693143		NR_03028	ENSG0000	MIR558	MIRN558|	microRNA	ncRNA
chr2-9511	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr2	95116566	95117438	+	0	NA	intron (N	AluSz|SIN	4555	NM_001321	64969	Hs.65525	NM_03190	ENSG0000	MRPS5	MRP-S5|S	mitochon	protein-coding
chr2-2411	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	16476	NM_00271	5510	Hs.36587	NM_00271	ENSG0000	PPP1R7	SDS22	protein	protein-coding
chr22-462	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr22	46284089	46285258	+	0	NA	intron (N	AluSz|SIN	11987	NR_02400	150384	Hs.34866	NR_02400	ENSG0000	GTSE1-DT	CN5H6.4|	GTSE1 div	ncRNA
chr3-4595	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr3	45950898	45951946	+	0	NA	intron (N	MIRb|SINE	7958	NM_006564	10663	Hs.34526	NM_006564	ENSG0000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding

chr3-1838	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-17647	NM_024871	79929	Hs.478465	NM_024871	ENSG00000	MAP6D1	MAP6D1|S	MAP6 doma	protein-coding
chr5-7285	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr5	72852519	72853548	+	0	NA	intron (N	intron (N	4894	NM_001364	3842	Hs.482497	NM_002270	ENSG00000	TNPO1	IPO2|KPNE	transport	protein-coding
chr6-3150	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr6	31506555	31508357	+	0	NA	exon (NM_	exon (NM_	9311	NM_001289	4277	Hs.731446	NM_005931	ENSG00000	MICB	PERB11.2	MHC class	protein-coding
chr8-2198	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr8	21988886	21989305	+	0	NA	intron (N	intron (N	-35039	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr9-9991	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr9	99915321	99916411	+	0	NA	intron (N	intron (N	9212	NM_017919	55014	Hs.704031	NM_017919	ENSG00000	STX17	-	syntaxin	protein-coding
chr9-1348	7.665398	0.318813	0.838625	0.380162	0.703825	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	28888	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-2208	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr1	22086016	22088234	+	0	NA	intron (N	intron (N	34416	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|(	cell divi	protein-coding
chr14-516	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr14	51642249	51642734	+	0	NA	intron (N	AluSq2|SI	9253	NR_037676	145438	Hs.645410	NR_037676	ENSG00000	FRMD6-AS1	C14orf82	FRMD6 ant	ncRNA
chr2-2239	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	L1M5|LINE	40111	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr7-1093	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr7	10932648	10933766	+	0	NA	3’ UTR (N	3’ UTR (N	6946	NM_002489	4697	Hs.50098	NM_002489	ENSG00000	NDUFA4	CI-9k|CI-	NDUFA4 mi	protein-coding
chr7-9399	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr7	93993720	93996419	+	0	NA	intron (N	AluSx|SIN	9286	NM_001317	10282	Hs.489132	NM_005868	ENSG00000	BET1	HBET1	Bet1 golg	protein-coding
chr8-3068	8.154128	0.309519	0.814463	0.380029	0.703924	0.981636	chr8	30686391	30688472	+	0	NA	intron (N	AluSx|SIN	-29195	NM_002095	2961	Hs.77100	NM_002095	ENSG00000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr14-230	5.647614	0.391899	1.031681	0.379864	0.704046	0.981636	chr14	23091844	23092101	+	0	NA	intron (N	intron (N	-3533	NM_017924	55017	Hs.525238	NM_017924	ENSG00000	C14orf119	-	chromosom	protein-coding
chr1-1337	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr1	1337621	1339477	+	0	NA	exon (NM_	exon (NM_	1159	NR_106866	1.02E+08		NR_106866	ENSG00000	MIR6808	hsa-mir-6	microRNA	ncRNA
chr1-3315	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr1	33157901	33159686	+	0	NA	intron (N	MIRb|SINE	17757	NM_001330	55223	Hs.656006	NM_018207	ENSG00000	TRIM62	DEAR1	tripartit	protein-coding
chr1-5439	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr1	54395106	54395912	+	0	NA	intron (N	intron (N	10885	NM_001009	23648	Hs.476706	NM_018070	ENSG00000	SSBP3	CSDP|SSDF	single st	protein-coding
chr1-8886	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr1	88862405	88863645	+	0	NA	intron (N	intron (N	28542	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr10-933	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr10	93313295	93314579	+	0	NA	intron (N	intron (N	168397	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlir	protein-coding
chr11-777	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr11	77740018	77740948	+	0	NA	intron (N	intron (N	80351	NM_016578	51773	Hs.420229	NM_016578	ENSG00000	RSF1	HBXAP|RSF	remodelir	protein-coding
chr16-261	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr16	2614053	2617709	+	0	NA	intron (N	intron (N	12497	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr16-149	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr16	14930919	14935694	+	0	NA	intron (N	intron (N	2486	NR_107061	1.02E+08		NR_107061	ENSG00000	MIR6770-3	hsa-mir-6	microRNA	ncRNA
chr17-583	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr17	58345023	58350725	+	0	NA	intron (N	intron (N	4327	NM_003168	6827	Hs.439481	NM_003168	ENSG00000	SUPT4H1	SPT4|SPT4	SPT4 homc	protein-coding
chr2-1327	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-59083	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr20-356	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr20	35686691	35688760	+	0	NA	intron (N	LTR13|LTR	11627	NM_001198	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr21-288	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr21	28874479	28875775	+	0	NA	TTS (NM_1	TTS (NM_1	10240	NM_013240	29104	Hs.163846	NM_013240	ENSG00000	N6AMT1	C21orf127	N-6 adeni	protein-coding
chr22-425	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr22	42584779	42585928	+	0	NA	non-codir	non-codir	-3342	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr3-4878	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr3	48782694	48782980	+	0	NA	intron (N	intron (N	65037	NM_001321	5576	Hs.631923	NM_004157	ENSG00000	PRKAR2A	PKR2|PRKA	protein k	protein-coding
chr3-4967	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr3	49675967	49679435	+	0	NA	intron (N	intron (N	3350	NM_001640	327	Hs.517969	NM_001640	ENSG00000	APEH	AARE|ACPH	acylaminc	protein-coding
chr3-1953	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	THE1D-int	-48515	NM_152531	152002	Hs.478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr5-5308	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr5	53082687	53084673	+	0	NA	intron (N	MER5A|DNA	26077	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr6-3746	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr6	37460243	37463876	+	0	NA	exon (NM_	exon (NM_	28838	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr7-1510	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	5382	NM_006712	10922	Hs.647094	NM_006712	ENSG00000	FASTK	FAST	Fas activ	protein-coding
chr9-1359	8.203125	0.309144	0.81384	0.379859	0.70405	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	15488	NM_016172	10422	Hs.9194	NM_016172	ENSG00000	UBAC1	GBDR1|KPC	UBA domai	protein-coding
chr1-4556	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr1	45566818	45567470	+	0	NA	intron (N	intron (N	16318	NM_006066	10327	Hs.474584	NM_006066	ENSG00000	AKR1A1	ALDR1|ALF	aldo-ketc	protein-coding
chr16-208	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr16	20859143	20862308	+	0	NA	intron (N	intron (N	-39157	NM_020424	57149	Hs.745012	NM_020424	ENSG00000	LYRM1	A211C6.1	LYR motif	protein-coding
chr19-105	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr19	10552222	10554823	+	0	NA	TTS (NR_1	TTS (NR_1	1400	NR_031603	1E+08		NR_031603	ENSG00000	MIR1238	MIRN1238|	microRNA	ncRNA
chr19-107	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr19	10775610	10778785	+	0	NA	exon (NM_	exon (NM_	-3057	NR_039903	1.01E+08		NR_039903	ENSG00000	MIR4748	mir-4748	microRNA	ncRNA
chr19-366	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr19	36689541	36699557	+	0	NA	intron (N	intron (N	6937	NM_001322	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing	protein-coding
chr19-523	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr19	52378130	52379141	+	0	NA	intron (N	AluSc|SIN	8712	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr2-3246	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr2	32463786	32465750	+	0	NA	exon (NM_	exon (NM_	-67385	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-7136	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr2	71363418	71366712	+	0	NA	intron (N	Charlie1a	33283	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr5-3717	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr5	37172764	37173804	+	0	NA	intron (N	intron (N	-75762	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-8758	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr6	87581202	87583399	+	0	NA	intron (N	L1PA10|LI	7687	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr9-1314	8.699713	0.29923	0.787876	0.379793	0.704099	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluJb|SIN	-25952	NR_003050	692093		NR_003050	ENSG00000	SNORD62B	U62|U62B	small nuc	snoRNA
chr5-6358	9.221725	0.295248	0.777443	0.379768	0.704118	0.981636	chr5	635839	636128	+	0	NA	intron (N	MSTD|LTR|	23643	NM_018140	55722	Hs.591741	NM_018140	ENSG00000	CEP72	-	centrosom	protein-coding
chr8-9485	9.221725	0.295248	0.777443	0.379768	0.704118	0.981636	chr8	94857150	94857626	+	0	NA	intron (N	intron (N	34098	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integratc	protein-coding
chr1-5182	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr1	51824884	51825513	+	0	NA	intron (N	intron (N	11204	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr14-756	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr14	75694540	75695050	+	0	NA	intron (N	MER11B|LT	33549	NM_015072	23093	Hs.709609	NM_015072	ENSG00000	TTLL5	CORD19|KI	tubulin t	protein-coding
chr18-319	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr18	31902016	31902215	+	0	NA	intron (N	AluSx1|SI	41013	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr2-9946	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr2	99460969	99462646	+	0	NA	intron (N	intron (N	28210	NM_016316	51455	Hs.443077	NM_016316	ENSG00000	REV1	AIBP80|RE	REV1 DNA	protein-coding
chr2-1699	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	LTR27E|LT	170004	NM_172070	130507	Hs.379548	NM_172070	ENSG00000	UBR3	ZNF650	ubiquitir	protein-coding
chr21-448	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr21	44806607	44807218	+	0	NA	3’ UTR (N	3’ UTR (N	4671	NR_109928	1.02E+08	Hs.116142	NR_109928		LINC01424	-	long inte	ncRNA
chr7-1128	7.4441	-0.32583	0.858017	-0.37974	0.704135	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-41308	NR_109840	64418	Hs.606345	NM_022484	ENSG00000	TMEM168	-	transmemb	protein-coding
chr12-661	4.725256	-0.40193	1.058439	-0.37974	0.704139	0.981636	chr12	66120913	66121839	+	0	NA	3’ UTR (N	3’ UTR (N	9374	NM_032338	84298	Hs.504820	NM_032338	ENSG00000	LLPH	C12orf31|	LLP homol	protein-coding
chr1-6655	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr1	66550790	66553625	+	0	NA	intron (N	intron (N	18054	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr1-1567	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	L2c|LINE|	3384	NM_005973	5546	Hs.516948	NM_005973	ENSG00000	PRCC	RCCP1|TPR	proline r	protein-coding
chr1-1737	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	38972	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr1-1800	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-69815	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2270	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	exon (NM_	exon (NM_	88610	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr10-131	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	non-codir	non-codir	25857	NM_004052	664	Hs.144873	NM_004052	ENSG00000	BNIP3	NIP3	BCL2 inte	protein-coding
chr11-739	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr11	73916747	73917851	+	0	NA	intron (N	AluSg|SIN	28518	NM_001363	80227	Hs.525017	NM_025155	ENSG00000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr11-130	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-36784	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr12-123	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-8017	NM_001143	79867	Hs.167165	NM_024809	ENSG00000	TCTN2	C12orf38|	tectonic	protein-coding
chr16-273	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr16	27362433	27364126	+	0	NA	exon (NM_	exon (NM_	-38895	NM_181079	50615	Hs.210546	NM_021798	ENSG00000	IL21R	CD360|IMD	interleuk	protein-coding
chr16-317	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr16	31736308	31738803	+	0	NA	intron (N	L1MB2|LIN	24326	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr16-678	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr16	67869034	67871553	+	0	NA	intron (N	intron (N	-2759	NM_014329	23644	Hs.75682	NM_014329	ENSG00000	EDC4	GE1|Ge-1|	enhancer	protein-coding
chr16-704	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr16	70480029	70482062	+	0	NA	TTS (NM_1	TTS (NM_1	26450	NM_145059	197258	Hs.7907	NM_145059	ENSG00000	FCSK	1110046B1	fucose ki	protein-coding
chr17-462	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr17	46208475	46208992	+	0	NA	intron (N	intron (N	15160	NR_034172	644246	Hs.646600	NR_034172	ENSG00000	KANSL1-AS	-	KANSL1 ar	ncRNA
chr17-637	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr17	63750287	63752593	+	0	NA	intron (N	intron (N	-9454	NM_001363	92335	Hs.514402	NM_153335	ENSG00000	STRADA	LYK5|NY-E	STE20 rel	protein-coding
chr17-815	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr17	81567703	81572410	+	0	NA	intron (N	intron (N	-3454	NR_130140	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homc	protein-coding
chr18-575	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr18	57598209	57598437	+	0	NA	Intergeni	MSTB|LTR|	-11621	NM_001012	2235	Hs.365365	NM_000140	ENSG00000	FECH	EPP|EPP1|	ferrochel	protein-coding
chr19-504	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr19	5040243	5043424	+	0	NA	intron (N	intron (N	72720	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-1751	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	L1ME1|LIN	38523	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr20-264	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr20	26455158	26456037	+	0	NA	Intergeni	ALR/Alpha	-246364	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-292	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr22	29263992	29265673	+	0	NA	intron (N	AluY|SINE	3149	NR_138044	25807	Hs.106730	NM_012265	ENSG00000	RHBDD3	C22orf3|H	rhomboid	protein-coding
chr3-1723	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	91613	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth hc	protein-coding
chr4-7077	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr4	70775184	70778330	+	0	NA	intron (N	AluY|SINE	42347	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr4-7135	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr4	71350020	71352490	+	0	NA	intron (N	intron (N	12202	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr5-1723	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr5	17230768	17232206	+	0	NA	intron (N	L2b|LINE|	13856	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr5-7220	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr5	72203871	72204592	+	0	NA	intron (N	intron (N	24444	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-1130	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA5|LIN	99773	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr5-1578	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	exon (NM_	exon (NM_	46046	NM_014666	9685	Hs.644000	NM_014666	ENSG00000	CLINT1	CLINT|ENT	clathrin	protein-coding
chr7-7600	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr7	76002902	76005611	+	0	NA	intron (N	AluSx|SIN	-9661	NM_001363	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMP	transmemb	protein-coding
chr7-7696	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr7	76967907	76969603	+	0	NA	Intergeni	Intergeni	-12067	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr8-4297	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr8	42978306	42979193	+	0	NA	intron (N	AluSq2|SI	-77550	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-3243	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chr9	32435550	32442283	+	0	NA	intron (N	HAL1|LINE	54273	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEI	aconitase	protein-coding
chrX-4119	8.161986	0.307682	0.810559	0.379593	0.704248	0.981636	chrX	41197388	41201636	+	0	NA	intron (N	AluSq|SIN	-76227	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr14-550	8.357305	-0.30928	0.814803	-0.37958	0.704261	0.981636	chr14	55037495	55038230	+	0	NA	intron (N	HAL1|LINE	10626	NM_080867	122809	Hs.744302	NM_080867	ENSG00000	SOCS4	SOCS7	suppressc	protein-coding
chr14-697	8.357305	-0.30928	0.814803	-0.37958	0.704261	0.981636	chr14	69708748	69709288	+	0	NA	exon (NM_	exon (NM_	-58124	NM_006925	6430	Hs.632326	NM_006925	ENSG00000	SRSF5	HRS|SFRS5	serine ar	protein-coding
chr6-4757	8.357305	-0.30928	0.814803	-0.37958	0.704261	0.981636	chr6	47578729	47580277	+	0	NA	intron (N	intron (N	-76969	NM_153839	222611	Hs.724860	NM_153839	ENSG00000	ADGRF2	GPR111|PC	adhesion	protein-coding
chr15-670	11.61388	-0.26148	0.689359	-0.37931	0.704454	0.981636	chr15	67067518	67068111	+	0	NA	intron (N	intron (N	2212	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr1-2396	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr1	23966870	23975351	+	0	NA	3’ UTR (N	3’ UTR (N	9217	NM_001191	10772	Hs.3530	NM_006625	ENSG00000	SRSF10	FUSIP1|FU	serine ar	protein-coding
chr1-2302	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	174571	NM_004481	2590	Hs.743964	NM_004481	ENSG00000	GALNT2	GalNAc-T2	polypepti	protein-coding
chr10-679	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr10	67963026	67967833	+	0	NA	intron (N	L2a|LINE|	45454	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr11-119	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJb|SIN	3591	NM_001318	51399	Hs.132760	NM_016146	ENSG00000	TRAPPC4	CGI-104|H	trafficki	protein-coding
chr12-504	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr12	50451315	50451746	+	0	NA	intron (N	AluSx1|SI	-5041	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr12-644	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr12	64438574	64448893	+	0	NA	intron (N	AluSz|SIN	-8387	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr14-311	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr14	31142498	31145534	+	0	NA	intron (N	intron (N	63777	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-884	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr14	88429727	88431586	+	0	NA	intron (N	MIRc|SINE	44999	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-454	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr15	45406718	45408804	+	0	NA	intron (N	intron (N	5425	NR_136646	79029	Hs.369657	NM_024063	ENSG00000	SPATA5L1	-	spermatog	protein-coding
chr15-644	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr15	64499330	64500504	+	0	NA	exon (NM_	exon (NM_	497	NM_015042	23060	Hs.595451	NM_015042	ENSG00000	ZNF609	-	zinc fing	protein-coding
chr16-255	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr16	2559876	2560341	+	0	NA	intron (N	intron (N	22087	NM_001261	5170	Hs.459691	NM_002613	ENSG00000	PDPK1	PDK1|PDPK	3-phospho	protein-coding
chr16-703	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr16	70394719	70395132	+	0	NA	intron (N	intron (N	44175	NM_006927	6483	Hs.368611	NM_006927	ENSG00000	ST3GAL2	Gal-NAc6S	ST3 beta-	protein-coding
chr17-311	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr17	31183247	31184177	+	0	NA	intron (N	MLT2A1|LT	88735	NM_001128	4763	Hs.113577	NM_000267	ENSG00000	NF1	NFNS|VRNF	neurofibr	protein-coding
chr18-675	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr18	67510527	67515151	+	0	NA	exon (NM_	exon (NM_	-3707	NR_033921	643542	Hs.652901	NR_033921	ENSG00000	LOC643542	-	uncharact	ncRNA
chr19-438	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr19	4384494	4384868	+	0	NA	intron (N	L1M5|LINE	15866	NM_001199	6455	Hs.97616	NM_003025	ENSG00000	SH3GL1	CNSA1|EEN	SH3 domai	protein-coding
chr19-325	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr19	32591875	32593908	+	0	NA	Intergeni	L1PA3|LIN	11701	NM_004708	9141	Hs.443831	NM_004708	ENSG00000	PDCD5	TFAR19	programme	protein-coding
chr2-4397	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr2	43970941	43977590	+	0	NA	exon (NM_	exon (NM_	21724	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-4781	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr2	47818195	47821812	+	0	NA	intron (N	intron (N	36048	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homc	protein-coding
chr2-1526	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	AluYc3|SI	37394	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr2-2004	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	91090	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr2-2307	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	49020	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MC	calcium b	protein-coding
chr21-348	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr21	34820104	34823843	+	0	NA	intron (N	intron (N	66726	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr3-4475	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	44758774	44759593	+	0	NA	intron (N	Tigger1|D	2436	NM_001320	57456	Hs.744955	NM_020696	ENSG00000	KIAA1143	-	KIAA1143	protein-coding
chr3-5663	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	56632246	56632947	+	0	NA	intron (N	intron (N	31450	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr3-1238	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MEc|LIN	46217	NR_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1524	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-116945	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr3-1794	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	27142	NM_021629	59345	Hs.173030	NM_021629	ENSG00000	GNB4	CMTD1F	G protein	protein-coding
chr3-1843	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSz|SIN	-1670	NM_004953	1981	Hs.433750	NM_004953	ENSG00000	EIF4G1	EIF-4G1|E	eukaryoti	protein-coding
chr4-1328	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr4	132856	141667	+	0	NA	intron (N	MSTA|LTR|	9140	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr4-5202	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr4	52025198	52029535	+	0	NA	intron (N	intron (N	-7003	NM_001024	339977	Hs.661450	NM_001024	ENSG00000	LRRC66	-	leucine r	protein-coding
chr5-3836	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr5	383607	386274	+	0	NA	intron (N	AluSg|SIN	58220	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr5-7961	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr5	79619547	79626304	+	0	NA	intron (N	intron (N	10484	NM_001349	167153	Hs.418198	NM_173797	ENSG00000	TENT2	APD4|GLD2	terminal	protein-coding

chr5-1591	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MB7|LIN	17671	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr5-1685	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	15382	NM_002887	5917	Hs.654907	NM_002887	ENSG00000	RARS	ArgRS|DAL	arginyl-t	protein-coding
chr7-2281	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr7	22811673	22814571	+	0	NA	3’ UTR (N	3’ UTR (N	9727	NM_019059	54543	Hs.112318	NM_019059	ENSG00000	TOMM7	TOM7	transloca	protein-coding
chr8-2639	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr8	26392666	26393716	+	0	NA	intron (N	intron (N	2778	NM_001330	665	Hs.131226	NM_004331	ENSG00000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr8-6151	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr8	61517595	61518929	+	0	NA	intron (N	intron (N	171549	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-1232	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz|SIN	6492	NM_032847	84933	Hs.707401	NM_032847	ENSG00000	C8orf76	-	chromosom	protein-coding
chr9-3333	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr9	33333015	33335677	+	0	NA	intron (N	AluJr4|SI	43830	NM_147134	4799	Hs.413074	NM_002504	ENSG00000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-1278	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-3057	NM_001278	2022	Hs.76753	NM_000118	ENSG00000	ENG	END|HHT1|	endoglin	protein-coding
chrX-4857	7.905556	-0.31225	0.824081	-0.37891	0.704756	0.981636	chrX	48575442	48578544	+	0	NA	intron (N	intron (N	2509	NM_006743	5935	Hs.301404	NM_006743	ENSG00000	RBM3	IS1-RNPL|	RNA bindi	protein-coding
chr15-429	9.213867	0.297065	0.784186	0.378819	0.704822	0.981636	chr15	42983743	42984043	+	0	NA	intron (N	intron (N	-63115	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr22-318	7.111954	0.333913	0.881668	0.378729	0.704889	0.981636	chr22	31804133	31804712	+	0	NA	intron (N	AluJr|SIN	50399	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr16-368	12.04991	-0.25941	0.685191	-0.3786	0.704988	0.981636	chr16	36858852	36859055	+	0	NA	Intergeni	ALR/Alpha	1112401	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr16-744	8.347597	-0.31931	0.843456	-0.37857	0.705005	0.981636	chr16	74456288	74456528	+	0	NA	intron (N	AluYj4|SI	-34938	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr19-126	7.119812	0.331846	0.87666	0.378534	0.705034	0.981636	chr19	12698110	12698634	+	0	NA	TTS (NM_0	TTS (NM_0	-1741	NM_032301	84261	Hs.515154	NM_032301	ENSG00000	FBXW9	Fbw9|MEC-	F-box and	protein-coding
chr1-1125	6.495763	-0.36486	0.965862	-0.37776	0.70561	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSq2|SI	19034	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr8-1301	11.14456	-0.26701	0.707067	-0.37763	0.705702	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2|LINE|L	-74275	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-1790	10.69096	-0.27542	0.729421	-0.37759	0.705738	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MC1|LIN	-25929	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIF	torsin fa	protein-coding
chr11-666	7.40296	-0.32864	0.870801	-0.3774	0.705879	0.981636	chr11	66657792	66658134	+	0	NA	intron (N	AluJb|SIN	19260	NM_001198	5936	Hs.523822	NM_002896	ENSG00000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr2-1349	7.40296	-0.32864	0.870801	-0.3774	0.705879	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSg7|SI	31214	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr3-1493	7.40296	-0.32864	0.870801	-0.3774	0.705879	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8416	NM_014220	4071	Hs.351316	NM_014220	ENSG00000	TM4SF1	H-L6|L6|M	transmemb	protein-coding
chr5-3940	7.40296	-0.32864	0.870801	-0.3774	0.705879	0.981636	chr5	39405431	39406414	+	0	NA	intron (N	MamGypLTR	19058	NM_001343	1601	Hs.696631	NM_001343	ENSG00000	DAB2	DOC-2|DOC	DAB adapt	protein-coding
chr5-1414	7.40296	-0.32864	0.870801	-0.3774	0.705879	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	promoter-	promoter-	90	NM_032091	56105	Hs.368160	NM_018914	ENSG00000	PCDHGA11	PCDH-GAMM	protocadh	protein-coding
chr1-2123	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr1	21235545	21238201	+	0	NA	intron (N	intron (N	42742	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-2144	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr1	21444853	21447137	+	0	NA	intron (N	intron (N	5858	NM_001256	84224	Hs.325422	NM_032264	ENSG00000	NBPF3	AE2	NBPF memb	protein-coding
chr1-1787	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluJb|SIN	11596	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-2404	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	172689	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr10-777	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr10	7777540	7780570	+	0	NA	intron (N	intron (N	8938	NM_012311	22944	Hs.397918	NM_012311	ENSG00000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-687	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr10	68784859	68786744	+	0	NA	intron (N	L1MB8|LIN	30629	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr10-741	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr10	74130828	74134293	+	0	NA	intron (N	AluJb|SIN	18268	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr10-103	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	12072	NM_001011	84108	Hs.335808	NM_032154	ENSG00000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr11-459	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	45912878	45915129	+	0	NA	intron (N	intron (N	3874	NM_004813	9409	Hs.100915	NM_004813	ENSG00000	PEX16	PBD8A|PBD	peroxisom	protein-coding
chr11-613	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	61327333	61330841	+	0	NA	intron (N	intron (N	-4095	NM_001351	26007	Hs.6278	NM_015533	ENSG00000	TKFC	DAK|NET45	triokinas	protein-coding
chr11-714	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	71454888	71461922	+	0	NA	intron (N	intron (N	5202	NM_018161	55191	Hs.556986	NM_018161	ENSG00000	NADSYN1	-	NAD synth	protein-coding
chr11-116	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-9189	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr11-129	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-18988	NM_001143	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr11-134	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	MER5A|DNA	9894	NM_014384	27034	Hs.14791	NM_014384	ENSG00000	ACAD8	ACAD-8|AF	acyl-CoA	protein-coding
chr12-370	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	370028	370694	+	0	NA	intron (N	AluSx1|SI	18959	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr12-805	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	8051651	8053565	+	0	NA	intron (N	intron (N	13751	NM_001326	719	Hs.504656	NM_004054	ENSG00000	C3AR1	AZ3B|C3AF	complemen	protein-coding
chr12-933	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	93394891	93398462	+	0	NA	intron (N	AluSx4|SI	18098	NM_001301	11163	Hs.506325	NM_019094	ENSG00000	NUDT4	DIPP-2B|D	nudix hyd	protein-coding
chr12-109	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MER102c|D	11161	NM_001145	121642	Hs.374458	NM_001001	ENSG00000	ALKBH2	ABH2	alkB homo	protein-coding
chr12-122	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJb|SIN	-49739	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr12-132	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	24405	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr13-952	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr13	95260038	95260722	+	0	NA	intron (N	intron (N	41066	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MC	ATP bindi	protein-coding
chr14-345	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr14	34518416	34526279	+	0	NA	intron (N	L1M3f|LIN	17354	NM_018453	55837	Hs.433269	NM_018453	ENSG00000	EAPP	BM036|C14	E2F assoc	protein-coding
chr14-731	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr14	73193271	73195618	+	0	NA	intron (N	AluJr|SIN	-43062	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr14-812	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr14	81201310	81204832	+	0	NA	promoter-	promoter-	-237	NR_003021	677845	Hs.693251	NR_003021	ENSG00000	SNORA79	ACA65|SNO	small nuc	snoRNA
chr14-995	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr14	99504664	99508504	+	0	NA	3’ UTR (N	3’ UTR (N	25175	NM_001099	8812	Hs.510409	NM_003858	ENSG00000	CCNK	CPR4|IDDF	cyclin K	protein-coding
chr15-446	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr15	44607627	44608625	+	0	NA	intron (N	LTR33A|LT	55536	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-456	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr15	45675902	45678148	+	0	NA	intron (N	AluSz|SIN	-28170	NR_135680	1.05E+08	Hs.447522	NR_135680	ENSG00000	LOC105370	-	uncharact	ncRNA
chr15-636	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr15	63669322	63671113	+	0	NA	intron (N	intron (N	-69390	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-475	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr16	4754834	4764644	+	0	NA	intron (N	intron (N	7423	NM_021646	26048	Hs.513316	NM_021646	ENSG00000	ZNF500	ZKSCAN18|	zinc fing	protein-coding
chr17-416	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr17	4166706	4173840	+	0	NA	intron (N	intron (N	26576	NM_001254	124936	Hs.513871	NM_144611	ENSG00000	CYB5D2	-	cytochrom	protein-coding
chr17-121	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr17	12141341	12143040	+	0	NA	3’ UTR (N	3’ UTR (N	60291	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr17-188	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr17	18877557	18880187	+	0	NA	intron (N	AluSz6|SI	13403	NM_001243	5636	Hs.632236	NM_002767	ENSG00000	PRPSAP2	PAP41	phosphori	protein-coding
chr17-285	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr17	28556012	28557615	+	0	NA	intron (N	intron (N	-4185	NM_054035	9094	Hs.410455	NM_005148	ENSG00000	UNC119	HRG4|IMD1	unc-119 l	protein-coding
chr17-684	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr17	68419724	68422225	+	0	NA	TTS (NM_0	TTS (NM_0	3574	NR_030365	693220		NR_030365	ENSG00000	MIR635	MIRN635|h	microRNA	ncRNA
chr19-637	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr19	6379799	6385622	+	0	NA	intron (N	AluJb|SIN	-6794	NM_004158	5623	Hs.248159	NM_004158	ENSG00000	PSPN	PSP	persephin	protein-coding
chr19-798	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr19	7987888	7991799	+	0	NA	intron (N	intron (N	15798	NM_001419	1994	Hs.184492	NM_001419	ENSG00000	ELAVL1	ELAV1|HUR	ELAV like	protein-coding
chr19-181	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr19	18165168	18167391	+	0	NA	exon (NM_	exon (NM_	-7534	NM_006332	10437	Hs.14623	NM_006332	ENSG00000	IFI30	GILT|IFI-	IFI30 lys	protein-coding
chr19-437	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr19	43745711	43750707	+	0	NA	intron (N	MIR|SINE|	6753	NM_019108	56006	Hs.466875	NM_019108	ENSG00000	SMG9	C19orf61|	SMG9 nons	protein-coding
chr2-8534	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr2	85347807	85351301	+	0	NA	exon (NM_	exon (NM_	4974	NM_017750	54884	Hs.440401	NM_017750	ENSG00000	RETSAT	-	retinol s	protein-coding
chr2-2192	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	non-codir	non-codir	-4738	NM_001349	10058	Hs.107911	NM_005689	ENSG00000	ABCB6	ABC|LAN|M	ATP bindi	protein-coding
chr2-2303	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	MIRb|SINE	-25695	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr2-2332	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	3606	NR_003006	677772	Hs.689637	NR_003006	ENSG00000	SCARNA6	U88	small Ca	ncRNA
chr20-350	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr20	35002088	35010287	+	0	NA	intron (N	intron (N	-15715	NR_039912	1.01E+08		NR_039912	ENSG00000	MIR499B	MIR499A|h	microRNA	ncRNA
chr20-463	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr20	46369500	46371188	+	0	NA	intron (N	intron (N	-5886	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA39402.1	solute ca	protein-coding
chr22-176	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr22	17617380	17619944	+	0	NA	intron (N	AluY|SINE	10087	NM_001696	529	Hs.517338	NM_001696	ENSG00000	ATP6V1E1	ARCL2C|AT	ATPase H+	protein-coding
chr22-194	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr22	19465470	19475062	+	0	NA	intron (N	intron (N	8927	NM_005659	7353	Hs.474213	NM_005659	ENSG00000	UFD1	UFD1L	ubiquitin	protein-coding
chr3-4446	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr3	44463364	44464451	+	0	NA	intron (N	AluSz|SIN	13763	NM_001369	353274	Hs.250481	NM_181489	ENSG00000	ZNF445	ZKSCAN15|	zinc fing	protein-coding
chr3-1206	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5585	NM_001168	4710	Hs.304613	NM_004547	ENSG00000	NDUFB4	B15|CI-B1	NADH:ubiq	protein-coding
chr3-1288	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MB7|LIN	22546	NM_014049	28976	Hs.567482	NM_014049	ENSG00000	ACAD9	MC1DN20|N	acyl-CoA	protein-coding
chr3-1793	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSx1|SI	10668	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr5-6628	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr5	6628722	6630519	+	0	NA	intron (N	intron (N	3424	NR_037947	54888	Hs.481526	NM_017755	ENSG00000	NSUN2	MISU|MRT5	NOP2/Sun	protein-coding
chr5-5726	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr5	57261165	57262954	+	0	NA	intron (N	AluJo|SIN	47985	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr5-7006	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr5	70066134	70068623	+	0	NA	exon (NM_	exon (NM_	17855	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr6-1372	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	14715	NM_001363	3459	Hs.520414	NM_000416	ENSG00000	IFNGR1	CD119|IFN	interfero	protein-coding
chr7-5340	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr7	5340302	5347033	+	0	NA	intron (N	AluJb|SIN	60724	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-6164	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr7	6164298	6164842	+	0	NA	3’ UTR (N	3’ UTR (N	7567	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr7-1296	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	27502	NM_001040	4899	Hs.654363	NM_005011	ENSG00000	NRF1	ALPHA-PAL	nuclear r	protein-coding
chr7-1351	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	17921	NR_106764	1.02E+08		NR_106764	ENSG00000	MIR6509	hsa-mir-6	microRNA	ncRNA
chr7-1521	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSz6|SI	83655	NM_001371474								
chr8-8643	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr8	86437327	86441004	+	0	NA	intron (N	AluY|SINE	69521	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr9-3408	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr9	34087631	34090904	+	0	NA	intron (N	intron (N	37431	NM_015397	25853	Hs.493750	NM_015397	ENSG00000	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr9-7033	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr9	70331582	70332505	+	0	NA	intron (N	L1ME2|LIN	73065	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr9-1365	8.169844	0.305844	0.810719	0.377251	0.705987	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	6403	NR_039820	1.01E+08		NR_039820	ENSG00000	MIR4673	-	microRNA	ncRNA
chr10-620	11.60602	-0.26032	0.690069	-0.37724	0.705996	0.981636	chr10	62064236	62076696	+	0	NA	intron (N	intron (N	21109	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr13-114	11.60602	-0.26032	0.690069	-0.37724	0.705996	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	9171	NM_001164	283489	Hs.7542	NM_032436	ENSG00000	CHAMP1	C13orf8|C	chromosom	protein-coding
chr20-340	11.60602	-0.26032	0.690069	-0.37724	0.705996	0.981636	chr20	34090794	34099486	+	0	NA	intron (N	L1ME4a|LI	17103	NM_001316	8894	Hs.429180	NM_003908	ENSG00000	EIF2S2	EIF2|EIF2	eukaryoti	protein-coding
chr4-1195	11.60602	-0.26032	0.690069	-0.37724	0.705996	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	MIR|SINE|	66359	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr5-1435	11.60602	-0.26032	0.690069	-0.37724	0.705996	0.981636	chr5	14354960	14384108	+	0	NA	intron (N	intron (N	-94449	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr1-9364	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr1	93640149	93640566	+	0	NA	intron (N	intron (N	-26260	NM_001261	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr1-1116	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	28783	NM_001370	5906	Hs.190334	NM_002884	ENSG00000	RAP1A	C21KG|G-2	RAP1A, me	protein-coding
chr12-543	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr12	54392053	54392633	+	0	NA	intron (N	AluSx1|SI	-1045	NM_001130	25946	Hs.505653	NM_015481	ENSG00000	ZNF385A	HZF|RZF|Z	zinc fing	protein-coding
chr16-156	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr16	15684428	15685337	+	0	NA	intron (N	L1M5|LINE	34637	NM_017668	54820	Hs.655378	NM_017668	ENSG00000	NDE1	HOM-TES-8	nudE neur	protein-coding
chr18-106	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr18	10687926	10688939	+	0	NA	intron (N	MLT1H|LTR	26499	NR_110777	1.02E+08	Hs.436902	NR_110777	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-439	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr22	43993838	43994642	+	0	NA	intron (N	intron (N	-4971	NM_001003	29780	Hs.475074	NM_013327	ENSG00000	PARVB	CGI-56	parvin be	protein-coding
chr3-3813	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr3	38132147	38133175	+	0	NA	intron (N	MER5B|DNA	4466	NM_001607	30	Hs.643487	NM_001607	ENSG00000	ACAA1	ACAA|PTHI	acetyl-Co	protein-coding
chr4-1695	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	36001	NM_001199	4750	Hs.481181	NM_012224	ENSG00000	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr8-8886	4.717398	-0.39922	1.058491	-0.37716	0.706052	0.981636	chr8	8886124	8886835	+	0	NA	intron (N	intron (N	7151	NM_004225	9258	Hs.379414	NM_004225	ENSG00000	MFHAS1	LRRC65|MA	malignant	protein-coding
chr18-746	8.341589	-0.30601	0.811453	-0.37711	0.706091	0.981636	chr18	74676888	74677483	+	0	NA	intron (N	AluSz|SIN	46222	NM_017757	55628	Hs.536490	NM_017757	ENSG00000	ZNF407	-	zinc fing	protein-coding
chr19-557	8.341589	-0.30601	0.811453	-0.37711	0.706091	0.981636	chr19	55704431	55704759	+	0	NA	Intergeni	MLT1B|LTR	27970	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr5-6115	8.341589	-0.30601	0.811453	-0.37711	0.706091	0.981636	chr5	61158954	61160950	+	0	NA	exon (NM_	exon (NM_	-2364	NR_109908	1.02E+08	Hs.575209	NR_109908		SMIM15-AS	CTC-436P1	SMIM15 an	ncRNA
chr2-2327	5.161288	-0.38287	1.01625	-0.37675	0.706358	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluJr4|SI	-17195	NR_103492	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr1-3509	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr1	35096343	35097974	+	0	NA	intron (N	AluJb|SIN	17773	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr11-780	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr11	78068995	78069397	+	0	NA	TTS (NM_0	TTS (NM_0	5335	NM_003251	7069	Hs.591969	NM_003251	ENSG00000	THRSP	LPGP1|Lpg	thyroid h	protein-coding
chr11-125	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	9495	NR_132372	1.05E+08	Hs.732083	NR_132372	ENSG00000	STT3A-AS1	-	STT3A ant	ncRNA
chr12-885	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr12	88542448	88543839	+	0	NA	intron (N	L1PA6|LIN	37328	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligan	protein-coding
chr15-485	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr15	48537591	48538011	+	0	NA	exon (NM_	exon (NM_	107987	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr17-493	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr17	4936933	4938370	+	0	NA	3’ UTR (N	3’ UTR (N	2395	NM_003562	8402	Hs.184877	NM_003562	ENSG00000	SLC25A11	OGC|SLC20	solute ca	protein-coding
chr17-421	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr17	42125283	42130583	+	0	NA	intron (N	AluJr4|SI	5129	NM_033194	94086	Hs.620611	NM_033194	ENSG00000	HSPB9	CT51	heat shoc	protein-coding
chr19-472	8.707571	0.297509	0.789882	0.37665	0.706434	0.981636	chr19	47263833	47266983	+	0	NA	intron (N	intron (N	8883	NM_015603	26093	Hs.227782	NM_015603	ENSG00000	CCDC9	-	coiled-co	protein-coding
chr13-102	7.369679	-0.3334	0.886179	-0.37623	0.706749	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PB2|LIN	-8067	NM_000123	2073	Hs.258429	NM_000123	ENSG00000	ERCC5	COFS3|ERC	ERCC exci	protein-coding
chr5-6958	7.369679	-0.3334	0.886179	-0.37623	0.706749	0.981636	chr5	69585526	69585749	+	0	NA	exon (NM_	exon (NM_	25392	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr17-309	11.10342	-0.26888	0.714719	-0.3762	0.706768	0.981636	chr17	30975457	30975740	+	0	NA	non-codir	non-codir	263	NR_002221	503645	Hs.683578	NR_002221	ENSG00000	DPRXP4	-	divergent	pseudo
chr4-1216	11.10342	-0.26888	0.714719	-0.3762	0.706768	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	TTS (NM_0	TTS (NM_0	29641	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr12-102	7.12767	0.329698	0.87678	0.376033	0.706893	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	L1ME2|LIN	8672	NM_024057	79023	Hs.444276	NM_024057	ENSG00000	NUP37	MCPH24|p3	nucleopor	protein-coding
chr1-2226	9.196301	0.290487	0.772726	0.375925	0.706973	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	27744	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 d	protein-coding
chr17-304	9.196301	0.290487	0.772726	0.375925	0.706973	0.981636	chr17	30461859	30462992	+	0	NA	exon (NM_	exon (NM_	-14983	NM_004871	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GO	golgi SNA	protein-coding
chr2-1123	9.196301	0.290487	0.772726	0.375925	0.706973	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	43609	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr7-1123	9.196301	0.290487	0.772726	0.375925	0.706973	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-80771	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interfero	protein-coding
chr15-725	8.382729	-0.30335	0.806966	-0.37591	0.706982	0.981636	chr15	72545611	72546084	+	0	NA	intron (N	intron (N	-41370	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr17-137	8.382729	-0.30335	0.806966	-0.37591	0.706982	0.981636	chr17	1372871	1373908	+	0	NA	intron (N	AluY|SINE	26833	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|H	tyrosine	protein-coding
chr19-137	8.382729	-0.30335	0.806966	-0.37591	0.706982	0.981636	chr19	1377019	1377470	+	0	NA	non-codir	non-codir	-6663	NM_024407	374291	Hs.211914	NM_024407	ENSG00000	NDUFS7	CI-20|CI-	NADH:ubic	protein-coding

chr6-1497	8.382729	-0.30335	0.806966	-0.37591	0.706982	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	44594	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-l	protein-coding
chr6-1514	8.382729	-0.30335	0.806966	-0.37591	0.706982	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	7639	NM_024573	79624	Hs.15929	NM_024573	ENSG00000	ARMT1	C6orf211	acidic re	protein-coding
chr3-1959	15.3564	0.229507	0.610854	0.375715	0.707129	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	21507	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr13-110	4.214802	-0.43808	1.166189	-0.37565	0.707175	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJb|SIN	11034	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr5-1461	4.676258	-0.40391	1.075531	-0.37554	0.707259	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	L1M6B|LIN	36839	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr6-3120	4.676258	-0.40391	1.075531	-0.37554	0.707259	0.981636	chr6	31200344	31201154	+	0	NA	intron (N	L2a|LINE|	2989	NR_026791	253018	Hs.659818	NR_026791	ENSG00000	HCG27	bCX101P6.	HLA compl	ncRNA
chr6-1496	4.676258	-0.40391	1.075531	-0.37554	0.707259	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluJr|SIN	21133	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr9-9594	4.676258	-0.40391	1.075531	-0.37554	0.707259	0.981636	chr9	95948433	95949395	+	0	NA	intron (N	L1M4|LINE	72897	NR_024129	1E+08	Hs.434310	NR_024129	ENSG00000	LINC00092	NCRNA0009	long inte	ncRNA
chr10-731	7.864417	-0.31499	0.838812	-0.37552	0.707277	0.981636	chr10	73132124	73132808	+	0	NA	TTS (NM_0	TTS (NM_0	-6259	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr14-690	7.864417	-0.31499	0.838812	-0.37552	0.707277	0.981636	chr14	69088936	69091851	+	0	NA	3’ UTR (N	3’ UTR (N	62206	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCR	DDB1 and	protein-coding
chr5-7377	7.864417	-0.31499	0.838812	-0.37552	0.707277	0.981636	chr5	73779617	73779981	+	0	NA	intron (N	intron (N	-33747	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr10-918	8.374871	-0.30172	0.803811	-0.37537	0.707388	0.981636	chr10	91847433	91849985	+	0	NA	intron (N	intron (N	50283	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr19-115	8.374871	-0.30172	0.803811	-0.37537	0.707388	0.981636	chr19	1150459	1154398	+	0	NA	intron (N	intron (N	-20207	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr8-4309	8.374871	-0.30172	0.803811	-0.37537	0.707388	0.981636	chr8	43097669	43098743	+	0	NA	intron (N	L1MB7|LIN	4691	NM_032237	84197	Hs.491646	NM_032237	ENSG00000	POMK	MDDGA12|M	protein (	protein-coding
chr1-3799	5.153431	-0.38032	1.013219	-0.37536	0.707391	0.981636	chr1	37998341	37998897	+	0	NA	intron (N	intron (N	6895	NM_004468	2275	Hs.57687	NM_004468	ENSG00000	FHL3	SLIM2	four and	protein-coding
chr1-2175	5.153431	-0.38032	1.013219	-0.37536	0.707391	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	116470	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch c	protein-coding
chr5-4308	5.153431	-0.38032	1.013219	-0.37536	0.707391	0.981636	chr5	43083281	43084228	+	0	NA	intron (N	LTR49-int	-16315	NR_104651	648987	Hs.649468	NR_034085	ENSG00000	LOC648987	-	uncharact	ncRNA
chr22-411	9.204159	0.288802	0.769539	0.375292	0.707443	0.981636	chr22	41134603	41139152	+	0	NA	intron (N	AluSz|SIN	44285	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr7-9941	9.204159	0.288802	0.769539	0.375292	0.707443	0.981636	chr7	99414732	99419010	+	0	NA	3’ UTR (N	3’ UTR (N	7699	NR_162133	1.13E+08		NR_162133		MIR12119	-	microRNA	ncRNA
chr9-1311	9.204159	0.288802	0.769539	0.375292	0.707443	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	19894	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-2085	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr1	20859967	20860368	+	0	NA	intron (N	intron (N	-73479	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-3531	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr1	35310634	35312070	+	0	NA	intron (N	AluSq2|SI	42643	NM_001350	9202	Hs.269211	NM_005095	ENSG00000	ZMYM4	CDIR|MYM|	zinc fing	protein-coding
chr1-1502	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz|SIN	9035	NM_001136	81611	Hs.656466	NM_030920	ENSG00000	ANP32E	LANP-L|LA	acidic nu	protein-coding
chr1-1557	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-17725	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr10-295	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr10	29549430	29552404	+	0	NA	exon (NM_	exon (NM_	-5820	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-119	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx|SIN	27172	NM_005188	867	Hs.504096	NM_005188	ENSG00000	CBL	C-CBL|CBL	Cbl proto	protein-coding
chr12-489	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr12	48952749	48953076	+	0	NA	intron (N	Charlie17	4575	NM_001659	377	Hs.119177	NM_001659	ENSG00000	ARF3	-	ADP ribos	protein-coding
chr14-527	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr14	52760964	52761546	+	0	NA	intron (N	AluSp|SIN	30352	NM_198066	64841	Hs.478025	NM_198066	ENSG00000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr15-618	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr15	61892777	61893707	+	0	NA	intron (N	L1MA4|LIN	163324	NR_146448	1.01E+08	Hs.42265	NR_146448	ENSG00000	LINC02349	-	long inte	ncRNA
chr16-856	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr16	85666478	85666906	+	0	NA	intron (N	intron (N	22262	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|P	GINS comp	protein-coding
chr2-5379	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr2	53794702	53796141	+	0	NA	intron (N	intron (N	8377	NM_015701	27248	Hs.438336	NM_015701	ENSG00000	ERLEC1	C2orf30|C	endoplasm	protein-coding
chr2-1902	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	MLT2A1|LT	62483	NM_001042	84281	Hs.389311	NM_032321	ENSG00000	C2orf88	smAKAP	chromosom	protein-coding
chr4-7142	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr4	714273	714486	+	0	NA	intron (N	intron (N	8547	NM_001317	10336	Hs.144309	NM_006315	ENSG00000	PCGF3	DONG1|RNF	polycomb	protein-coding
chr4-5416	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr4	5416811	5418877	+	0	NA	intron (N	MLT1H2|LT	-106725	NR_126519	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr5-5721	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr5	57214176	57215041	+	0	NA	intron (N	AluSp|SIN	534	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr9-9134	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr9	91341563	91343060	+	0	NA	intron (N	MLT1D|LTR	19613	NM_001698	549	Hs.175905	NM_001698	ENSG00000	AUH	-	AU RNA bi	protein-coding
chr9-1253	8.666432	0.296093	0.788992	0.375281	0.707452	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSg4|SI	71329	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr17-540	7.16881	0.331185	0.882952	0.375088	0.707595	0.981636	chr17	5402509	5403157	+	0	NA	intron (N	AluJb|SIN	-16808	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr8-1197	7.16881	0.331185	0.882952	0.375088	0.707595	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	L1P4|LINE	64209	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr9-7170	7.16881	0.331185	0.882952	0.375088	0.707595	0.981636	chr9	71708689	71709698	+	0	NA	intron (N	intron (N	59320	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr2-1527	4.592129	-0.43475	1.159454	-0.37496	0.707688	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	MER51C|LT	34274	NR_146429	151188	Hs.643580	NM_152522	ENSG00000	ARL6IP6	AIP-6|AIF	ADP ribos	protein-coding
chr1-1971	9.188444	0.292248	0.779445	0.374944	0.707702	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	non-codin	non-codin	-12773	NM_001206	259266	Hs.121028	NM_018136	ENSG00000	ASPM	ASP|Calmb	abnormal	protein-coding
chr1-1510	8.658574	0.297854	0.794408	0.374938	0.707707	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	non-codin	non-codin	-1880	NM_138278	149428	Hs.591473	NM_138278	ENSG00000	BNIPL	BNIP-S|BN	BCL2 inte	protein-coding
chr4-1691	8.658574	0.297854	0.794408	0.374938	0.707707	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	Tigger4a|	-117701	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr5-7079	8.658574	0.297854	0.794408	0.374938	0.707707	0.981636	chr5	70795886	70796502	+	0	NA	intron (N	intron (N	-17108	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr1-5866	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr1	58663060	58664933	+	0	NA	intron (N	L1MEc|LIN	36066	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr10-499	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr10	49975812	49976658	+	0	NA	intron (N	MLT1A0|LT	-12083	NM_001365	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr10-965	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr10	96525553	96526819	+	0	NA	intron (N	MIRb|SINE	-12260	NM_012465	7093	Hs.154296	NM_012465	ENSG00000	TLL2	-	tolloid l	protein-coding
chr10-110	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	36118	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr15-644	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr15	64409371	64412058	+	0	NA	intron (N	intron (N	22878	NM_001321	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr2-8503	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr2	85034882	85036239	+	0	NA	intron (N	intron (N	31787	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr6-1296	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	intron (N	L1MC4|LIN	81351	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr7-7505	7.897698	-0.31055	0.828804	-0.3747	0.707883	0.981636	chr7	75057730	75058466	+	0	NA	intron (N	intron (N	15704	NM_001363	81554	Hs.529623	NM_030798	ENSG00000	RCC1L	WBSCR16	RCC1 like	protein-coding
chr11-476	7.706537	0.320185	0.854665	0.374632	0.707934	0.981636	chr11	47620575	47621115	+	0	NA	intron (N	MIRb|SINE	21714	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochond	protein-coding
chr19-447	7.706537	0.320185	0.854665	0.374632	0.707934	0.981636	chr19	4478793	4480445	+	0	NA	intron (N	intron (N	5665	NM_001348	84717	Hs.43071	NM_032631	ENSG00000	HDGFL2	HDGF-2|HD	HDGF like	protein-coding
chr6-4223	7.706537	0.320185	0.854665	0.374632	0.707934	0.981636	chr6	42232393	42232698	+	0	NA	intron (N	intron (N	-14684	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|P	mitochond	protein-coding
chr8-2759	7.706537	0.320185	0.854665	0.374632	0.707934	0.981636	chr8	27598292	27601146	+	0	NA	intron (N	intron (N	11032	NR_106902	1.02E+08		NR_106902	ENSG00000	MIR6843	hsa-mir-6	microRNA	ncRNA
chr22-502	7.6164	0.319119	0.85187	0.37461	0.707951	0.981636	chr22	50245654	50246407	+	0	NA	exon (NM_	exon (NM_	-1007	NM_020461	85378	Hs.336431	NM_020461	ENSG00000	TUBGCP6	GCP-6|GCP	tubulin g	protein-coding
chr12-123	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	L2a|LINE|	1677	NM_001319	353116	Hs.530315	NM_178314	ENSG00000	RILPL1	GOSPEL|RI	Rab inter	protein-coding
chr14-102	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	52632	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-281	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr15	28197863	28199168	+	0	NA	intron (N	intron (N	-99200	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr17-482	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr17	4821706	4821962	+	0	NA	exon (NM_	exon (NM_	-11506	NM_153827	50488	Hs.443417	NM_015716	ENSG00000	MINK1	B55|MAP4K	misshapen	protein-coding
chr2-6137	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr2	61374286	61375690	+	0	NA	intron (N	L1MB7|LIN	42389	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr2-2082	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluSq2|SI	18827	NM_001178	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr4-5233	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr4	523317	524408	+	0	NA	exon (NM_	exon (NM_	24652	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr5-7809	7.673256	0.31674	0.845644	0.374555	0.707991	0.981636	chr5	78099251	78099947	+	0	NA	intron (N	intron (N	141352	NR_105013	1.02E+08	Hs.252895	NR_105012		LOC101929	-	uncharact	ncRNA
chr2-3727	7.436242	-0.32388	0.865125	-0.37437	0.708128	0.981636	chr2	37271809	37272350	+	0	NA	TTS (NR_1	TTS (NR_1	40421	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|M	NADH:ubiq	protein-coding
chr1-2329	7.202091	0.334794	0.894387	0.374328	0.70816	0.981636	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	16929	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|H	nucleosid	protein-coding
chr15-281	7.202091	0.334794	0.894387	0.374328	0.70816	0.981636	chr15	28173857	28174192	+	0	NA	intron (N	L1ME1|LIN	-74709	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr17-310	7.202091	0.334794	0.894387	0.374328	0.70816	0.981636	chr17	31025616	31025904	+	0	NA	intron (N	MER1A|DNA	17476	NM_001350	1.08E+08	Hs.558901	NM_001350575		LOC107984	-	uncharact	protein-coding
chr8-3910	7.202091	0.334794	0.894387	0.374328	0.70816	0.981636	chr8	39101649	39102387	+	0	NA	intron (N	intron (N	-5511	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr18-576	5.120149	-0.3877	1.035936	-0.37425	0.708221	0.981636	chr18	57665385	57665664	+	0	NA	intron (N	intron (N	35193	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr5-3713	7.946696	-0.30948	0.827064	-0.37419	0.708265	0.981636	chr5	37135670	37136584	+	0	NA	intron (N	THE1C-int	-112919	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr3-1016	11.59816	-0.25915	0.692648	-0.37414	0.7083	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	3856	NM_000986	6152	Hs.477028	NM_000986	ENSG00000	RPL24	HEL-S-310	ribosomal	protein-coding
chr12-112	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	7877	NM_024953	80018	Hs.530941	NM_024953	ENSG00000	NAA25	C12orf30|	N(alpha)-	protein-coding
chr14-999	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr14	99917798	99918607	+	0	NA	intron (N	AluJr|SIN	-53220	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr17-296	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr17	29693332	29695441	+	0	NA	intron (N	intron (N	67046	NM_001282	85464	Hs.654754	NM_033389	ENSG00000	SSH2	SSH-2|SSH	slingshot	protein-coding
chr18-215	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr18	21559184	21559383	+	0	NA	intron (N	intron (N	41421	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr2-2628	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr2	26284598	26285390	+	0	NA	intron (N	intron (N	34055	NM_001145	165082	Hs.631878	NM_153835	ENSG00000	ADGRF3	GPR113|PG	adhesion	protein-coding
chr20-298	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr20	2987741	2988772	+	0	NA	intron (N	intron (N	-55366	NM_001501	2797	Hs.129715	NM_001501	ENSG00000	GNRH2	GnRH-II|L	gonadotro	protein-coding
chr20-472	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr20	47297868	47298117	+	0	NA	TTS (NM_0	TTS (NM_0	-20510	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr3-4458	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr3	44588473	44588874	+	0	NA	intron (N	AluJb|SIN	3709	NM_001351	1.1E+08	Hs.157035	NM_001351732		ZNF660-ZN	-	ZNF660-ZN	protein-coding
chr7-1589	7.632116	0.31524	0.842969	0.373964	0.708431	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	67570	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SR	WD repeat	protein-coding
chr1-1125	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	11251763	11259413	+	0	NA	intron (N	AluSx|SIN	6963	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAP	mechanist	protein-coding
chr1-1555	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	15559360	15567904	+	0	NA	intron (N	AluY|SINE	21419	NM_024758	79814	Hs.461532	NM_024758	ENSG00000	AGMAT	-	agmatinas	protein-coding
chr1-5403	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	54038885	54041414	+	0	NA	intron (N	intron (N	13055	NM_004872	9528	Hs.118947	NM_004872	ENSG00000	TMEM59	C1orf8|DC	transmemb	protein-coding
chr1-1201	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz6|SI	14988	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr1-2056	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	10154	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr1-2123	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	AluSz|SIN	-18510	NR_004389	692157	Hs.707958	NR_004389	ENSG00000	SNORA16B	U98b	small nuc	snoRNA
chr1-2176	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	TTS (NM_0	TTS (NM_0	23199	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch c	protein-coding
chr1-2263	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	45915	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr1-2467	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	-28472	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr1-2468	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	(AC)n|Sim	32725	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr11-604	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	604609	608297	+	0	NA	exon (NM_	exon (NM_	9497	NM_004029	3665	Hs.166120	NM_001572	ENSG00000	IRF7	IMD39|IRF	interfero	protein-coding
chr11-466	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	46694763	46696631	+	0	NA	exon (NM_	exon (NM_	4922	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr11-477	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	47778763	47789426	+	0	NA	intron (N	intron (N	-16753	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-478	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	47805515	47808572	+	0	NA	intron (N	intron (N	-39702	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-595	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	59590570	59596909	+	0	NA	intron (N	intron (N	1419	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr11-608	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	60893770	60901542	+	0	NA	intron (N	MIR|SINE|	8929	NM_014502	27339	Hs.502705	NM_014502	ENSG00000	PRPF19	NMP200|PR	pre-mRNA	protein-coding
chr11-626	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	62624790	62631299	+	0	NA	intron (N	L2b|LINE|	-5869	NR_109991	26229	Hs.502759	NM_012200	ENSG00000	B3GAT3	GLCATI|JD	beta-1,3-	protein-coding
chr11-720	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	72003064	72013376	+	0	NA	intron (N	intron (N	-6071	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA
chr11-741	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	74105099	74106145	+	0	NA	intron (N	intron (N	65380	NM_015531	26005	Hs.557938	NM_015531	ENSG00000	C2CD3	OFD14	C2 domain	protein-coding
chr11-118	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	promoter-	promoter-	-67	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr11-120	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-26245	NM_014619	2900	Hs.538738	NM_014619	ENSG00000	GRIK4	EAA1|GRIK	glutamate	protein-coding
chr12-910	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr12	9108471	9110733	+	0	NA	intron (N	intron (N	6627	NM_001347	2	Hs.88556	NM_000014	ENSG00000	A2M	A2MD|CPAM	alpha-2-m	protein-coding
chr12-120	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	7631	NM_006836	10985	Hs.298716	NM_006836	ENSG00000	GCN1	GCN1L|GCN	GCN1 acti	protein-coding
chr13-955	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr13	95588528	95590661	+	0	NA	intron (N	MLT1A|LTR	36874	NM_006984	9071	Hs.534377	NM_006984	ENSG00000	CLDN10	CPETRL3|H	claudin 1	protein-coding
chr14-229	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr14	22903233	22907245	+	0	NA	exon (NM_	exon (NM_	13910	NM_001077	55147	Hs.4997	NM_018107	ENSG00000	RBM23	CAPERbeta	RNA bindi	protein-coding
chr14-497	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr14	49793471	49801847	+	0	NA	intron (N	intron (N	29506	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-774	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr14	77459961	77469552	+	0	NA	intron (N	intron (N	6663	NM_012111	10598	Hs.204041	NM_012111	ENSG00000	AHSA1	AHA1|C14o	activator	protein-coding
chr15-282	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr15	28201096	28202338	+	0	NA	intron (N	intron (N	-102402	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr15-434	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr15	43485353	43491758	+	0	NA	intron (N	L1MD2|LIN	4601	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr15-658	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr15	65874368	65875921	+	0	NA	intron (N	AluSc|SIN	5653	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr15-101	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	MIR3|SINE	22917	NM_152334	123283	Hs.657163	NM_152334	ENSG00000	TARSL2	-	threonyl-	protein-coding
chr16-188	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr16	18844007	18852666	+	0	NA	intron (N	AluSz6|SI	-46787	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-281	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr16	28146779	28153800	+	0	NA	intron (N	intron (N	61676	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANB	exportin	protein-coding
chr17-182	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr17	18298277	18308184	+	0	NA	intron (N	LTR5B|LTR	11764	NM_004618	7156	Hs.592115	NM_004618	ENSG00000	TOP3A	MGRISCE2|	DNA topoi	protein-coding
chr17-428	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr17	42816303	42821854	+	0	NA	intron (N	intron (N	4801	NM_001313	8678	Hs.716464	NM_003766	ENSG00000	BECN1	ATG6|VPS3	beclin 1	protein-coding
chr17-637	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr17	63762930	63765866	+	0	NA	intron (N	intron (N	9199	NM_020198	57003	Hs.202011	NM_020198	ENSG00000	CCDC47	GK001|MSI	coiled-co	protein-coding
chr18-634	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr18	63419956	63420870	+	0	NA	intron (N	AluSx1|SI	2063	NM_004869	9525	Hs.126550	NM_004869	ENSG00000	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr18-741	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr18	74155543	74156698	+	0	NA	intron (N	intron (N	7597	NM_014177	29090	Hs.532835	NM_014177	ENSG00000	TIMM21	C18orf55|	transloca	protein-coding
chr18-763	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr18	76378401	76380117	+	0	NA	exon (NM_	exon (NM_	-112393	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-368	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr19	36897915	36909020	+	0	NA	intron (N	LTR37-int	12572	NM_001171	374899	Hs.720312	NM_001037	ENSG00000	ZNF829	-	zinc fing	protein-coding

chr19-400	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr19	40010863	40015384	+	0	NA	intron (N	intron (N	16063	NM_178544	339327	Hs.125008	NM_178544	ENSG00000	ZNF546	ZNF49	zinc fing	protein-coding
chr19-436	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr19	43654639	43656593	+	0	NA	intron (N	intron (N	14553	NM_002659	5329	Hs.466871	NM_002659	ENSG00000	PLAUR	CD87|U-PA	plasminog	protein-coding
chr19-456	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr19	45618665	45621885	+	0	NA	intron (N	AluSz|SIN	-18063	NM_005282	2828	Hs.17170	NM_005282	ENSG00000	GPR4	-	G proteir	protein-coding
chr19-473	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr19	47352191	47363647	+	0	NA	exon (NM_	exon (NM_	8604	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr2-2722	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr2	27221222	27227300	+	0	NA	intron (N	intron (N	6871	NM_001306	790	Hs.377010	NM_004341	ENSG00000	CAD	CDG1Z|EIE	carbamoyl	protein-coding
chr2-3944	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr2	39442515	39444181	+	0	NA	intron (N	MamTip3|D	5932	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-1974	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	6859	NM_001320	80219	Hs.606592	NM_025147	ENSG00000	COQ10B	-	coenzyme	protein-coding
chr2-2031	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSq2|SI	94799	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr20-319	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr20	3199107	3201412	+	0	NA	intron (N	intron (N	4423	NM_023935	65992	Hs.471975	NM_023935	ENSG00000	DDRGK1	C20orf116	DDRGK dom	protein-coding
chr20-359	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr20	35916870	35919925	+	0	NA	intron (N	intron (N	36229	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr20-459	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr20	45964492	45966674	+	0	NA	intron (N	intron (N	6620	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr20-476	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr20	47635558	47636508	+	0	NA	exon (NM_	exon (NM_	134146	NM_001174	8202	Hs.592142	NM_006534	ENSG00000	NCOA3	ACTR|AIB-	nuclear r	protein-coding
chr22-425	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr22	42592661	42596905	+	0	NA	intron (N	intron (N	-12772	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr22-458	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr22	45811619	45812076	+	0	NA	intron (N	intron (N	51323	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-1465	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr3	14654561	14667632	+	0	NA	intron (N	intron (N	9334	NM_016474	51244	Hs.517820	NM_016474	ENSG00000	CCDC174	C3orf19|H	coiled-cc	protein-coding
chr3-5830	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr3	58309908	58318710	+	0	NA	intron (N	AluSx|SIN	8064	NM_001348	1.1E+08	Hs.446320	NM_001348	ENSG00000	HTD2	-	hydroxyac	protein-coding
chr3-1015	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	non-codir	non-codir	19267	NM_020357	57092	Hs.732633	NM_020357	ENSG00000	PCNP	-	PEST prot	protein-coding
chr3-1977	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-18065	NM_001363	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-3211	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr4	3211908	3216848	+	0	NA	intron (N	intron (N	-29991	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr5-1361	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	17762	NM_001350	389332	Hs.127680	NM_001350	ENSG00000	SMIM32	-	small int	protein-coding
chr5-1500	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	36482	NR_109969	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr6-4109	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr6	41092838	41098949	+	0	NA	intron (N	intron (N	1894	NM_001329	221443	Hs.227457	NM_145063	ENSG00000	OARD1	C6orf130|	O-acyl-AD	protein-coding
chr6-4358	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr6	43586078	43592559	+	0	NA	intron (N	L1M5|LINE	13133	NM_001291	5429	Hs.655467	NM_006502	ENSG00000	POLH	RAD30|RAD	DNA polym	protein-coding
chr8-9916	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chr8	99165988	99166913	+	0	NA	intron (N	MER58D|DN	153184	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chrX-1674	8.67429	0.294362	0.787335	0.373872	0.7085	0.981636	chrX	16740689	16743303	+	0	NA	intron (N	AluSz|SIN	22384	NM_032796	94056	Hs.744256	NM_032796	ENSG00000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr2-4657	11.1367	-0.26574	0.710837	-0.37384	0.708526	0.981636	chr2	46576454	46577164	+	0	NA	intron (N	MIR|SINE|	3429	NR_104182	1.01E+08	Hs.658541	NR_104182	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-203	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr14	20354376	20354768	+	0	NA	intron (N	AluJb|SIN	10958	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr19-571	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr19	5711048	5714663	+	0	NA	intron (N	AluJo|SIN	7291	NR_076392	9361	Hs.350265	NM_004793	ENSG00000	LONP1	CODASS|LC	lon pepti	protein-coding
chr20-321	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr20	32136887	32137985	+	0	NA	intron (N	MIRb|SINE	27708	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr20-564	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr20	56480653	56481553	+	0	NA	intron (N	intron (N	12518	NM_001283	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr6-1697	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	MLT1J|LTR	11651	NM_001278	55780	Hs.47546	NM_018341	ENSG00000	ERMARD	C6orf70|F	ER membra	protein-coding
chr8-4237	8.210983	0.30726	0.822367	0.373629	0.708681	0.981636	chr8	42371594	42372719	+	0	NA	TTS (NM_0	TTS (NM_0	5073	NM_014420	27121	Hs.159311	NM_014420	ENSG00000	DKK4	DKK-4	dickkopf	protein-coding
chr16-115	2.469718	-0.53648	1.435908	-0.37361	0.708691	0.981636	chr16	11579270	11580025	+	0	NA	intron (N	L1MD3|LIN	6726	NM_004862	9516	Hs.459940	NM_004862	ENSG00000	LITAF	PIG7|SIMP	lipopolys	protein-coding
chr15-410	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr15	41089519	41093509	+	0	NA	intron (N	L1PA10|LI	24732	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr16-703	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr16	70300988	70301979	+	0	NA	intron (N	HAL1|LINE	2430	NM_001257	11269	Hs.221761	NM_007242	ENSG00000	DDX19B	DBP5|DDX1	DEAD-box	protein-coding
chr16-821	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr16	82150495	82151115	+	0	NA	intron (N	intron (N	19419	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr17-732	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr17	73235010	73235925	+	0	NA	intron (N	intron (N	2806	NR_110105	55028	Hs.12929	NM_017941	ENSG00000	C17orf80	HLC-8|MIG	chromosom	protein-coding
chr19-469	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr19	4692149	4693927	+	0	NA	intron (N	intron (N	13756	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr2-2370	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14219	NM_006710	10920	Hs.531713	NM_006710	ENSG00000	COPS8	COP9|CSN8	COP9 sigr	protein-coding
chr4-2672	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr4	26722661	26723019	+	0	NA	intron (N	MIR|SINE|	137404	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr5-4078	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr5	40787937	40788724	+	0	NA	intron (N	L1MA6|LIN	9847	NM_001355	5562	Hs.43322	NM_006251	ENSG00000	PRKAA1	AMPK|AMPK	protein k	protein-coding
chr9-1207	8.367013	-0.30014	0.80364	-0.37348	0.708792	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	5655	NM_012164	26190	Hs.494985	NM_012164	ENSG00000	FBXW2	FBW2|Fwd2	F-box anc	protein-coding
chr16-752	11.3384	0.276081	0.73998	0.373092	0.70908	0.981636	chr16	75234920	75235545	+	0	NA	exon (NM_	exon (NM_	3428	NM_001170	9564	Hs.479747	NM_014567	ENSG00000	BCAR1	CAS|CAS1|	BCAR1 sca	protein-coding
chr1-1704	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr1	17043593	17045012	+	0	NA	intron (N	intron (N	9868	NM_003000	6390	Hs.465924	NM_003000	ENSG00000	SDHB	CWS2|IP|F	succinate	protein-coding
chr19-556	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr19	55662607	55663953	+	0	NA	intron (N	L2a|LINE|	9230	NM_007279	11338	Hs.528007	NM_007279	ENSG00000	U2AF2	U2AF65	U2 small	protein-coding
chr20-540	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr20	540504	541086	+	0	NA	intron (N	MLT1E2|LT	2995	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr4-7990	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr4	79905289	79907716	+	0	NA	3’ UTR (N	3’ UTR (N	79031	NR_026555	118425	Hs.104215	NR_026555	ENSG00000	PCAT4	GDEP|PCA4	prostate	ncRNA
chr5-8108	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr5	81086050	81087591	+	0	NA	intron (N	intron (N	-125913	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr6-1380	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	11979	NM_022121	64065	Hs.201446	NM_022121	ENSG00000	PERP	KCP1|KRTC	p53 apopt	protein-coding
chr9-1069	9.212017	0.287163	0.769725	0.373073	0.709094	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	exon (NM_	exon (NM_	61295	NM_021224	58499	Hs.370379	NM_021224	ENSG00000	ZNF462	ZFPIP|Zfp	zinc fing	protein-coding
chr12-132	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1A|LTR	2875	NM_001161	55743	Hs.720197	NM_018223	ENSG00000	CHFR	RNF116|RN	checkpoir	protein-coding
chr15-789	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr15	78911336	78912664	+	0	NA	Intergeni	L1MA7|LIN	33098	NM_001319	1512	Hs.148641	NM_004390	ENSG00000	CTSH	ACC-4|ACC	cathepsir	protein-coding
chr17-625	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr17	62559548	62561169	+	0	NA	intron (N	intron (N	-67312	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr2-1874	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-25460	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr21-347	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr21	34791449	34794534	+	0	NA	intron (N	intron (N	47166	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr22-293	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr22	29312095	29312754	+	0	NA	TTS (NM_0	TTS (NM_0	3273	NM_006477	10633	Hs.73088	NM_006477	ENSG00000	RASL10A	RRP22	RAS like	protein-coding
chr3-5807	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr3	58077674	58080788	+	0	NA	intron (N	intron (N	70809	NM_001164	2317	Hs.476448	NM_001457	ENSG00000	FLNB	ABP-278|A	filamin B	protein-coding
chr3-1218	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MEf|LIN	9493	NM_001023	9657	Hs.604110	NM_001023	ENSG00000	IQCB1	NPHP5|PIG	IQ motif	protein-coding
chr6-1121	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	TTS (NM_0	TTS (NM_0	20292	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr9-3580	7.938838	-0.30783	0.825295	-0.373	0.70915	0.981636	chr9	35807773	35808781	+	0	NA	non-codir	non-codir	3985	NM_001366	26206	Hs.256747	NM_012436	ENSG00000	SPAG8	BS-84|CII	sperm ass	protein-coding
chr1-9732	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr1	9732562	9736914	+	0	NA	intron (N	intron (N	43271	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-2122	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr1	21224012	21227467	+	0	NA	intron (N	AluSz|SIN	-48842	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr10-100	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJo|SIN	5358	NM_017902	55662	Hs.500788	NM_017902	ENSG00000	HIF1AN	FIH1	hypoxia i	protein-coding
chr11-688	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr11	68810882	68815097	+	0	NA	intron (N	intron (N	28927	NM_001876	1374	Hs.503043	NM_001876	ENSG00000	CPT1A	CPT1|CPT1	carnitine	protein-coding
chr12-111	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	31339	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr13-454	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr13	45401525	45401959	+	0	NA	intron (N	intron (N	-16420	NR_047031	1.01E+08	Hs.658038	NR_047031	ENSG00000	SLC25A30-	-	SLC25A30	ncRNA
chr13-984	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr13	98413697	98417178	+	0	NA	intron (N	(AATG)n|S	106688	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr15-404	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr15	40413072	40416087	+	0	NA	intron (N	intron (N	8782	NR_148925	3712	Hs.513646	NM_002225	ENSG00000	IVD	ACAD2	isovalery	protein-coding
chr15-435	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr15	43524118	43527259	+	0	NA	exon (NM_	exon (NM_	8080	NM_002373	4130	Hs.194301	NM_002373	ENSG00000	MAP1A	MAP1L|MTA	microtubu	protein-coding
chr15-943	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr15	94377382	94379474	+	0	NA	intron (N	AluJr4|SI	22498	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr16-700	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr16	70038991	70042232	+	0	NA	intron (N	intron (N	10265	NR_036054	1E+08		NR_036054	ENSG00000	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr16-865	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr16	86547277	86548200	+	0	NA	intron (N	L4_A_Mam|	7497	NM_001159	64779	Hs.343627	NM_022764	ENSG00000	MTHFSD	-	methenylt	protein-coding
chr17-592	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr17	592260	592638	+	0	NA	intron (N	L1HS|LINE	122390	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-793	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr17	7939223	7940889	+	0	NA	intron (N	intron (N	7850	NM_001353	116840	Hs.348012	NM_053051	ENSG00000	CNTROB	LIP8|PP12	centrobir	protein-coding
chr2-8602	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr2	86028876	86032090	+	0	NA	intron (N	intron (N	75403	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr20-176	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr20	17621000	17624759	+	0	NA	intron (N	intron (N	52804	NM_006870	11034	Hs.304192	NM_006870	ENSG00000	DSTN	ACTDP|ADF	destrin,	protein-coding
chr20-283	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr20	28352464	28353105	+	0	NA	Intergeni	ALR/Alpha	249881	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-342	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr20	34280859	34282508	+	0	NA	intron (N	AluSx|SIN	21307	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr20-381	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr20	38145782	38146846	+	0	NA	intron (N	MIR|SINE|	18956	NM_001323	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr22-314	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr22	31458019	31464027	+	0	NA	intron (N	intron (N	28533	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr3-6638	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr3	66384477	66385799	+	0	NA	intron (N	intron (N	115283	NM_015541	26018	Hs.518055	NM_015541	ENSG00000	LRIG1	LIG-1|LIG	leucine r	protein-coding
chr5-3258	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr5	32588732	32588935	+	0	NA	intron (N	intron (N	3276	NM_006713	10923	Hs.229641	NM_006713	ENSG00000	SUB1	P15|PC4|p	SUB1 regu	protein-coding
chr6-4207	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr6	42077250	42078363	+	0	NA	3’ UTR (N	3’ UTR (N	27282	NM_138572	129685	Hs.520122	NM_138572	ENSG00000	TAF8	II|TAF|TA	TATA-box	protein-coding
chr7-7455	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr7	74557087	74560222	+	0	NA	intron (N	AluJo|SIN	-37314	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr7-1128	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (N	L1ME1|LIN	-39169	NR_109840	64418	Hs.606345	NM_022484	ENSG00000	TMEM168	-	transmemb	protein-coding
chr7-1283	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	7217	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr7-1569	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSc8|SI	9580	NM_138400	64434	Hs.15825	NM_138400	ENSG00000	NOM1	C7orf3|PF	nucleolar	protein-coding
chr8-9813	8.177702	0.303969	0.814944	0.372993	0.709153	0.981636	chr8	98134120	98134675	+	0	NA	intron (N	intron (N	16557	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homc	protein-coding
chr4-7806	11.6393	-0.25732	0.69003	-0.37292	0.70921	0.981636	chr4	7806403	7808971	+	0	NA	intron (N	intron (N	53597	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr2-2612	9.741887	0.282477	0.758428	0.372451	0.709557	0.981636	chr2	26128013	26128214	+	0	NA	intron (N	MER1B|DNA	-44975	NM_001168	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 assc	protein-coding
chr1-7472	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr1	74725371	74726210	+	0	NA	intron (N	THE1B-int	7260	NM_001889	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding
chr11-776	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr11	77626848	77627533	+	0	NA	intron (N	AluSc|SIN	10604	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr19-525	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr19	52540734	52542320	+	0	NA	intron (N	intron (N	13818	NM_001321	388558	Hs.729294	NM_001039	ENSG00000	ZNF808	-	zinc fing	protein-coding
chr3-3852	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr3	38521709	38522668	+	0	NA	intron (N	intron (N	25848	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endor	protein-coding
chr3-1253	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1M4a1|LI	31158	NM_001348	7707	Hs.592591	NM_021964	ENSG00000	ZNF148	BERF-1|BF	zinc fing	protein-coding
chr9-3242	4.70954	-0.39637	1.065553	-0.37198	0.709904	0.981636	chr9	32429816	32430558	+	0	NA	intron (N	intron (N	45544	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEI	aconitase	protein-coding
chr19-166	5.145573	-0.37788	1.01625	-0.37183	0.710016	0.981636	chr19	16640216	16640669	+	0	NA	Intergeni	Intergeni	-12238	NM_004831	9441	Hs.715040	NM_004831	ENSG00000	MED26	CRSP7|CRS	mediator	protein-coding
chr3-1338	5.145573	-0.37788	1.01625	-0.37183	0.710016	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSx1|SI	3246	NR_163491	58477	Hs.12152	NM_021203	ENSG00000	SRPRB	APMCF1|SR	SRP recep	protein-coding
chr3-1888	5.145573	-0.37788	1.01625	-0.37183	0.710016	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	3’ UTR (N	3’ UTR (N	58346	NR_046873	1.01E+08	Hs.616287	NR_046873	ENSG00000	TPRG1-AS1	-	TPRG1 ant	ncRNA
chr14-204	8.715429	0.29578	0.79565	0.371746	0.710082	0.981636	chr14	20456737	20459473	+	0	NA	TTS (NM_0	TTS (NM_0	2879	NM_080648	328	Hs.73722	NM_001641	ENSG00000	APEX1	APE|APE1|	apurinic/	protein-coding
chr4-7527	8.715429	0.29578	0.79565	0.371746	0.710082	0.981636	chr4	752775	753334	+	0	NA	intron (N	intron (N	28794	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr8-2220	8.715429	0.29578	0.79565	0.371746	0.710082	0.981636	chr8	22201457	22202122	+	0	NA	TTS (NM_0	TTS (NM_0	30310	NM_014759	9796	Hs.334688	NM_014759	ENSG00000	PHYHIP	DYRK1AP3|	phytanoyl	protein-coding
chr15-943	8.128704	0.304315	0.818848	0.371638	0.710162	0.981636	chr15	94302202	94302836	+	0	NA	intron (N	MamRTE1|L	4318	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr4-7598	8.128704	0.304315	0.818848	0.371638	0.710162	0.981636	chr4	75980666	75981233	+	0	NA	non-codir	non-codir	159	NR_125906	1.02E+08	Hs.637575	NR_125906	ENSG00000	LOC101928	-	uncharact	ncRNA
chr4-1222	7.135528	0.327422	0.882028	0.371215	0.710478	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-87583	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr1-3590	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr1	35906873	35908095	+	0	NA	intron (N	intron (N	-23621	NM_177422	192669	Hs.657659	NM_024852	ENSG00000	AGO3	EIF2C3	argonaute	protein-coding
chr10-122	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr10	12202135	12203320	+	0	NA	intron (N	MER21B|LT	6539	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr12-928	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr12	92882551	92884600	+	0	NA	intron (N	L1PA16|LI	45720	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr17-465	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr17	46533979	46534989	+	0	NA	intron (N	SVA_C|Ret	21774	NM_001006	474170	Hs.646568	NM_001006	ENSG00000	LRRC37A2	LRRC37	leucine r	protein-coding
chr19-528	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr19	5285380	5286188	+	0	NA	intron (N	MIRb|SINE	55028	NM_130854	5802	Hs.744928	NM_002850	ENSG00000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr2-1913	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	MLT1A|LTR	96874	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr6-9055	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr6	90552596	90553074	+	0	NA	intron (N	intron (N	34237	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1600	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	L1PA8A|LI	-33873	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr8-3845	8.136562	0.302495	0.814922	0.371194	0.710493	0.981636	chr8	38453136	38453879	+	0	NA	intron (N	MIR|SINE|	14217	NM_001174	2260	Hs.264887	NM_015850	ENSG00000	FGFR1	BFGFR|CD3	fibroblas	protein-coding
chr2-1890	11.63144	-0.25615	0.69074	-0.37084	0.710757	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	59855	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr3-4807	5.186712	-0.3735	1.007181	-0.37084	0.710758	0.981636	chr3	48075670	48076309	+	0	NA	intron (N	AluSx1|SI	12859	NM_002375	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr3-1790	5.186712	-0.3735	1.007181	-0.37084	0.710758	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	(AT)n|Sim	18508	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr11-116	9.170878	0.28581	0.770785	0.370803	0.710784	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-31998	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr6-3328	9.170878	0.28581	0.770785	0.370803	0.710784	0.981636	chr6	33286203	33288188	+	0	NA	promoter-	promoter-	94	NR_106933	1.02E+08		NR_106933	ENSG00000	MIR6873	hsa-mir-6	microRNA	ncRNA
chr9-1253	9.170878	0.28581	0.770785	0.370803	0.710784	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	60065	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr1-2182	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr1	21822922	21841029	+	0	NA	intron (N	(GTCCCT)n	19710	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr1-4342	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr1	43424898	43435186	+	0	NA	exon (NM_	exon (NM_	-18497	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr1-1100	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	LTR79|LTR	11149	NM_033088	85369	Hs.584996	NM_033088	ENSG00000	STRIP1	FAM40A|FA	striatin	protein-coding

chr1-1613	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr1	1.61E+08	1.61E+08	+		0	NA	intron (N	AluSc8|SI	26654	NM_001278	6391	Hs.444472	NM_003001	ENSG00000	SDHC	CYB560|CY	succinate	protein-coding
chr1-1790	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr1	1.79E+08	1.79E+08	+		0	NA	exon (NM_	exon (NM_	12907	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr10-103	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	13633	NM_014976	22984	Hs.239499	NM_014976	ENSG00000	PDCD11	ALG-4|ALG	programme	protein-coding
chr10-103	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	intron (N	AluYb8|SI	25233	NM_014976	22984	Hs.239499	NM_014976	ENSG00000	PDCD11	ALG-4|ALG	programme	protein-coding
chr11-575	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr11	57552324	57555086	+		0	NA	intron (N	AluSx|SIN	11064	NM_001105	219537	Hs.68756	NM_001105	ENSG00000	SMTNL1	CHASM	smootheli	protein-coding
chr11-612	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr11	61299979	61304641	+		0	NA	exon (NM_	exon (NM_	-6994	NM_152718	220001	Hs.60640	NM_152718	ENSG00000	VWCE	URG11|VWC	von Wille	protein-coding
chr11-654	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr11	65402785	65410797	+		0	NA	intron (N	AluSp|SIN	-16007	NR_131012	283131	Hs.523789	NR_002802	ENSG00000	NEAT1	LINC00084	nuclear p	ncRNA
chr12-646	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr12	6463111	6466236	+		0	NA	3’ UTR (N	3’ UTR (N	6004	NM_016830	6843	Hs.20021	NM_014231	ENSG00000	VAMP1	CMS25|SPA	vesicle a	protein-coding
chr12-666	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr12	6666881	6679669	+		0	NA	exon (NM_	exon (NM_	-10156	NM_001127	51147	Hs.524210	NM_016162	ENSG00000	ING4	my036|p29	inhibitor	protein-coding
chr12-124	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr12	1.24E+08	1.24E+08	+		0	NA	intron (N	intron (N	-5524	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr12-132	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr12	1.33E+08	1.33E+08	+		0	NA	exon (NM_	exon (NM_	-20619	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr15-762	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr15	76224399	76225849	+		0	NA	intron (N	intron (N	35028	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr15-771	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr15	77132406	77132647	+		0	NA	intron (N	AluSq2|SI	-61417	NM_198902	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspar	protein-coding
chr16-446	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr16	4468082	4469515	+		0	NA	intron (N	L1PA16|LI	5827	NM_001351	57407	Hs.288969	NM_020677	ENSG00000	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr16-298	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr16	29858610	29861154	+		0	NA	intron (N	AluSz6|SI	3344	NM_006319	10423	Hs.121549	NM_006319	ENSG00000	CDIPT	PIS|PIS1	CDP-diacy	protein-coding
chr17-172	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr17	17216177	17231881	+		0	NA	exon (NM_	exon (NM_	13139	NM_001353	201163	Hs.31652	NM_144606	ENSG00000	FLCN	BHD|DENND	folliculi	protein-coding
chr17-402	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr17	40274112	40280534	+		0	NA	intron (N	AluSx3|SI	-10556	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr17-500	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr17	50075700	50085665	+		0	NA	intron (N	L2c|LINE|	-14055	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr17-816	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr17	81699870	81701931	+		0	NA	intron (N	intron (N	-2467	NM_002949	6182	Hs.109059	NM_002949	ENSG00000	MRPL12	5c5-2|L12	mitochond	protein-coding
chr19-386	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr19	38620741	38631570	+		0	NA	intron (N	intron (N	6967	NM_013234	27335	Hs.314359	NM_013234	ENSG00000	EIF3K	ARG134|EI	eukaryoti	protein-coding
chr2-4662	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr2	46621536	46622574	+		0	NA	intron (N	intron (N	4840	NM_014171	9419	Hs.133998	NM_014171	ENSG00000	CRIPT	HSPC139|S	CXXC repe	protein-coding
chr2-8559	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr2	85596943	85598545	+		0	NA	TTS (NM_C	TTS (NM_C	1999	NM_016494	51255	Hs.356187	NM_016494	ENSG00000	RNF181	HSPC238	ring fing	protein-coding
chr2-1604	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr2	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	-23242	NR_039946	1.01E+08		NR_039946	ENSG00000	MIR4785	mir-4785	microRNA	ncRNA
chr20-677	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr20	6778136	6779089	+		0	NA	exon (NM_	exon (NM_	10926	NM_001200	650	Hs.73853	NM_001200	ENSG00000	BMP2	BDA2|BMP2	bone morp	protein-coding
chr20-354	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr20	35471461	35474139	+		0	NA	exon (NM_	exon (NM_	12817	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr20-365	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr20	36525817	36528713	+		0	NA	3’ UTR (N	3’ UTR (N	-14254	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr20-490	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr20	49012708	49015946	+		0	NA	intron (N	intron (N	31729	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr20-621	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr20	62125083	62131943	+		0	NA	intron (N	intron (N	6038	NM_144703	149986	Hs.105379	NM_144703	ENSG00000	LSM14B	C20orf40|	LSM famil	protein-coding
chr21-462	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr21	46251863	46280925	+		0	NA	intron (N	intron (N	19217	NM_003906	8888	Hs.389037	NM_003906	ENSG00000	MCM3AP	GANP|MAP8	minichrom	protein-coding
chr22-504	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr22	50414021	50424367	+		0	NA	intron (N	intron (N	11752	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr5-1326	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr5	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	3090	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr5-1406	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr5	1.41E+08	1.41E+08	+		0	NA	intron (N	intron (N	-3769	NM_144723	153527	Hs.350194	NM_144723	ENSG00000	ZMAT2	Ptg-12|Sr	zinc fing	protein-coding
chr7-5709	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr7	5709425	5716113	+		0	NA	promoter-	promoter-	-859	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-4386	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr7	43865603	43867210	+		0	NA	TTS (NM_C	TTS (NM_C	3111	NM_032014	64951	Hs.284286	NM_032014	ENSG00000	MRPS24	HSPC335|M	mitochond	protein-coding
chr7-7605	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr7	76056595	76067277	+		0	NA	intron (N	MER3|DNA|	13830	NM_005918	4191	Hs.520967	NM_005918	ENSG00000	MDH2	EIEE51|M-	malate de	protein-coding
chr7-1024	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr7	1.02E+08	1.02E+08	+		0	NA	intron (N	AluJo|SIN	6472	NM_017621	54784	Hs.658598	NM_017621	ENSG00000	ALKBH4	ABH4	alkB homo	protein-coding
chr7-1521	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr7	1.52E+08	1.52E+08	+		0	NA	Intergeni	L1MEc|LIN	49837	NM_001371474								
chr8-1447	8.682148	0.292628	0.78934	0.370724	0.710843	0.981636	chr8	1.45E+08	1.45E+08	+		0	NA	intron (N	L1M5|LINE	29765	NM_138367	90987	Hs.534516	NM_138367	ENSG00000	ZNF251	-	zinc fing	protein-coding
chr15-989	7.477381	-0.32081	0.8654	-0.37071	0.710852	0.981636	chr15	98955394	98956017	+		0	NA	intron (N	intron (N	49951	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr17-493	7.477381	-0.32081	0.8654	-0.37071	0.710852	0.981636	chr17	49311340	49311692	+		0	NA	intron (N	intron (N	-23062	NR_106745	1.02E+08		NR_106745	ENSG00000	MIR6129	hsa-mir-6	microRNA	ncRNA
chr1-2237	9.700747	0.281157	0.758524	0.370663	0.710888	0.981636	chr1	2.24E+08	2.24E+08	+		0	NA	intron (N	intron (N	16205	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr11-688	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr11	68899521	68900073	+		0	NA	intron (N	intron (N	4035	NM_181514	219927	Hs.503047	NM_181512	ENSG00000	MRPL21	L21mt|MRP	mitochond	protein-coding
chr11-123	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr11	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	9755	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr16-446	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr16	4463003	4463900	+		0	NA	non-codin	non-codin	11174	NM_001351	57407	Hs.288969	NM_020677	ENSG00000	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr18-231	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr18	23149294	23150110	+		0	NA	intron (N	MER5A|DNA	-6123	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr20-414	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr20	41421740	41422891	+		0	NA	intron (N	intron (N	-55497	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr8-1245	7.639974	0.313211	0.84537	0.370501	0.711009	0.981636	chr8	1.25E+08	1.25E+08	+		0	NA	TTS (NR_1	TTS (NR_1	1030	NR_106903	1.02E+08		NR_106903	ENSG00000	MIR6844	hsa-mir-6	microRNA	ncRNA
chr1-2401	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr1	2.4E+08	2.4E+08	+		0	NA	intron (N	L1MB3|LIN	32199	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-608	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr10	60881043	60881922	+		0	NA	intron (N	intron (N	62703	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr13-306	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr13	30657146	30657592	+		0	NA	intron (N	intron (N	23154	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr13-110	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr13	1.1E+08	1.1E+08	+		0	NA	intron (N	intron (N	-4749	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr14-100	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr14	1E+08	1E+08	+		0	NA	intron (N	AluJr4|SI	14431	NM_001350	283600	Hs.108268	NM_207117	ENSG00000	SLC25A47	C14orf68|	solute ca	protein-coding
chr2-9496	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr2	9496417	9497409	+		0	NA	intron (N	intron (N	21858	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-1135	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr2	1.14E+08	1.14E+08	+		0	NA	intron (N	MSTB|LTR|	-14958	NR_121187	1.03E+08	Hs.9015	NR_121185	ENSG00000	PGM5P4-AS	FAM233C	PGM5P4 an	ncRNA
chr22-363	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr22	36347401	36348789	+		0	NA	intron (N	L1MC|LINE	39972	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr22-416	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr22	41676988	41680604	+		0	NA	intron (N	intron (N	10071	NM_001003	4809	Hs.182255	NM_005008	ENSG00000	SNU13	15.5K|FA-	small nuc	protein-coding
chr5-6619	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr5	6619112	6619716	+		0	NA	intron (N	intron (N	13630	NR_037947	54888	Hs.481526	NM_017755	ENSG00000	NSUN2	MISU|MRT5	NOP2/Sun	protein-coding
chr5-1464	8.408153	-0.29758	0.803417	-0.3704	0.711086	0.981636	chr5	1.46E+08	1.46E+08	+		0	NA	exon (NM_	exon (NM_	11562	NM_006706	10915	Hs.443465	NM_006706	ENSG00000	TCERG1	CA150|TAF	transcrip	protein-coding
chr10-631	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr10	63181711	63183080	+		0	NA	intron (N	intron (N	49067	NM_030759	29982	Hs.449628	NM_030759	ENSG00000	NRBF2	COPR|COPR	nuclear r	protein-coding
chr10-691	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr10	69136275	69136794	+		0	NA	intron (N	AluSg|SIN	12356	NM_001318	9559	Hs.499925	NM_004896	ENSG00000	VPS26A	HB58|Hbet	VPS26, re	protein-coding
chr17-389	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr17	38909538	38909835	+		0	NA	intron (N	intron (N	-5293	NR_106837	1.02E+08		NR_106837	ENSG00000	MIR6779	hsa-mir-6	microRNA	ncRNA
chr17-448	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr17	44885097	44886487	+		0	NA	intron (N	AluJb|SIN	13576	NM_001258	9343	Hs.151787	NM_004247	ENSG00000	EFTUD2	MFDGA|MFD	elongatio	protein-coding
chr17-450	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr17	45090142	45092326	+		0	NA	intron (N	(AC)n|Sim	23199	NR_106842	1.02E+08		NR_106842	ENSG00000	MIR6784	hsa-mir-6	microRNA	ncRNA
chr20-349	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr20	34933017	34933567	+		0	NA	intron (N	L2a|LINE|	22343	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr4-1501	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr4	1.5E+08	1.5E+08	+		0	NA	intron (N	Tigger1|D	43651	NM_001040	166614	Hs.591683	NM_152619	ENSG00000	DCLK2	CL2|CLICK	doublecor	protein-coding
chr5-1755	7.93098	-0.30615	0.826745	-0.3703	0.711156	0.981636	chr5	1.76E+08	1.76E+08	+		0	NA	intron (N	L1MC5|LIN	33872	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr12-306	8.359155	-0.29858	0.806453	-0.37024	0.7112	0.981636	chr12	30664862	30665122	+		0	NA	intron (N	AluSx1|SI	12252	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr15-572	8.359155	-0.29858	0.806453	-0.37024	0.7112	0.981636	chr15	57249923	57251720	+		0	NA	intron (N	AluSx|SIN	27836	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr5-7219	8.359155	-0.29858	0.806453	-0.37024	0.7112	0.981636	chr5	72198792	72199320	+		0	NA	exon (NM_	exon (NM_	19269	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr1-6653	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr1	66534475	66542547	+		0	NA	intron (N	intron (N	4358	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr1-1932	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr1	1.93E+08	1.93E+08	+		0	NA	intron (N	Tigger1|D	-56220	NR_125789	1.02E+08	Hs.146728	NR_125789	ENSG00000	LINC01031	TCONS_000	long inte	ncRNA
chr1-2144	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr1	2.14E+08	2.14E+08	+		0	NA	intron (N	L1MA7|LIN	129805	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-2156	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr1	2.16E+08	2.16E+08	+		0	NA	intron (N	L2c|LINE|	41996	NM_001319	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr1-2201	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr1	2.2E+08	2.2E+08	+		0	NA	promoter-	promoter-	-715	NR_002994	677818	Hs.730572	NR_002994	ENSG00000	SNORA36B	ACA36b	small nuc	snoRNA
chr12-559	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr12	55986210	55995356	+		0	NA	exon (NM_	exon (NM_	-6493	NM_001032	6821	Hs.558403	NM_000456	ENSG00000	SUOX	-	sulfite o	protein-coding
chr12-933	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr12	93399843	93400971	+		0	NA	3’ UTR (N	3’ UTR (N	21829	NM_001301	11163	Hs.506325	NM_019094	ENSG00000	NUDT4	DIPP-2B|D	nudix hyd	protein-coding
chr15-682	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr15	68283992	68285017	+		0	NA	intron (N	intron (N	6759	NM_015322	10116	Hs.362733	NM_015322	ENSG00000	FEM1B	F1A-ALPHA	fem-1 hom	protein-coding
chr17-302	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr17	30284003	30287673	+		0	NA	intron (N	intron (N	6106	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr17-435	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr17	43505794	43510042	+		0	NA	exon (NM_	exon (NM_	22517	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr17-682	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr17	68255999	68256473	+		0	NA	intron (N	intron (N	-2934	NM_014960	22901	Hs.437249	NM_014960	ENSG00000	ARSG	USH4	arylsulfa	protein-coding
chr19-120	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr19	12024899	12029172	+		0	NA	non-codin	non-codin	8706	NM_001308	163059	Hs.667776	NM_152602	ENSG00000	ZNF433	-	zinc fing	protein-coding
chr19-585	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr19	58547529	58553479	+		0	NA	TTS (NR_1	TTS (NR_1	219	NR_106865	1.02E+08		NR_106865	ENSG00000	MIR6807	hsa-mir-6	microRNA	ncRNA
chr20-621	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr20	62135470	62136649	+		0	NA	TTS (NM_1	TTS (NM_1	7335	NM_002792	5688	Hs.233952	NM_002792	ENSG00000	PSMA7	C6|HEL-S-	proteasom	protein-coding
chr22-408	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr22	40881630	40883690	+		0	NA	intron (N	intron (N	-20547	NM_145174	150353	Hs.585042	NM_145174	ENSG00000	DNAJB7	DJ5|HSC3	DnaJ heat	protein-coding
chr3-1702	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr3	1.7E+08	1.7E+08	+		0	NA	intron (N	intron (N	59286	NM_002740	5584	Hs.478199	NM_002740	ENSG00000	PRKCI	DXS1179E|	protein k	protein-coding
chr5-1097	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr5	1.1E+08	1.1E+08	+		0	NA	intron (N	LTR54B|LT	73808	NM_002372	4124	Hs.432822	NM_002372	ENSG00000	MAN2A1	AMan II|C	mannosida	protein-coding
chr5-1343	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr5	1.34E+08	1.34E+08	+		0	NA	intron (N	AluSc8|SI	11866	NM_003337	7320	Hs.612096	NM_003337	ENSG00000	UBE2B	E2-17kDa|	ubiquitin	protein-coding
chr6-2811	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr6	28115006	28119179	+		0	NA	Intergeni	Intergeni	-7464	NM_001320	80345	Hs.656641	NM_025231	ENSG00000	ZSCAN16	ZNF392|ZN	zinc fing	protein-coding
chr7-1512	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr7	1.51E+08	1.51E+08	+		0	NA	exon (NM_	exon (NM_	2783	NM_019015	54480	Hs.647084	NM_019015	ENSG00000	CHPF2	CSGLCA-T|	chondroit	protein-coding
chr8-9424	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr8	94249926	94253762	+		0	NA	intron (N	intron (N	10475	NM_181702	2669	Hs.654463	NM_005261	ENSG00000	GEM	KIR	GTP bindi	protein-coding
chr9-1228	9.178736	0.284152	0.767603	0.370181	0.711248	0.981636	chr9	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	21111	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr4-3947	8.120846	0.306141	0.827106	0.370135	0.711282	0.981636	chr4	39477336	39477535	+		0	NA	3’ UTR (N	3’ UTR (N	-2820	NR_026854	401127	Hs.383197	NR_026854	ENSG00000	LOC401127	-	WD repeat	pseudo
chr19-707	16.84432	0.216205	0.584219	0.370075	0.711327	0.981636	chr19	7071125	7085956	+		0	NA	intron (N	AluSx|SIN	8837	NM_001044	79230	Hs.591380	NM_024341	ENSG00000	ZNF557	-	zinc fing	protein-coding
chr3-4257	5.19457	-0.37606	1.016449	-0.36998	0.7114	0.981636	chr3	42578514	42579233	+		0	NA	intron (N	intron (N	-2967	NM_016305	51188	Hs.534454	NM_016305	ENSG00000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr1-5300	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr1	53004468	53005875	+		0	NA	intron (N	L1PA5|LIN	-9766	NM_001007	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr10-498	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr10	49856035	49856384	+		0	NA	intron (N	AluSx1|SI	85818	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chr11-117	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr11	1.17E+08	1.17E+08	+		0	NA	3’ UTR (N	3’ UTR (N	-2945	NR_045215	1.01E+08	Hs.732365	NR_045215		LOC100652	-	uncharact	ncRNA
chr12-121	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr12	12130362	12131927	+		0	NA	intron (N	AluY|SINE	19192	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr12-722	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr12	72249155	72256284	+		0	NA	TTS (NR_C	TTS (NR_C	-20030	NM_013381	29953	Hs.199814	NM_013381	ENSG00000	TRHDE	PAP-II|PC	thyrotrop	protein-coding
chr15-414	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr15	41453807	41455541	+		0	NA	intron (N	L1MC4|LIN	37570	NM_015138	23168	Hs.511096	NM_015138	ENSG00000	RTF1	GTL7|KIAA	RTF1 homo	protein-coding
chr15-520	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr15	52060537	52065604	+		0	NA	intron (N	intron (N	43851	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr15-759	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr15	75909863	75915152	+		0	NA	intron (N	L1PA7|LIN	8629	NM_147188	26263	Hs.591115	NM_012170	ENSG00000	FBXO22	FBX22|FIS	F-box pro	protein-coding
chr15-846	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr15	84679855	84680833	+		0	NA	intron (N	intron (N	-22145	NM_205858	4828	Hs.386470	NM_021077	ENSG00000	NMB	-	neuromedi	protein-coding
chr16-821	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr16	82158776	82161146	+		0	NA	intron (N	intron (N	10263	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr17-388	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr17	38886261	38900064	+		0	NA	intron (N	MIR|SINE|	-21817	NR_106837	1.02E+08		NR_106837	ENSG00000	MIR6779	hsa-mir-6	microRNA	ncRNA
chr17-568	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr17	56886524	56896564	+		0	NA	promoter-	promoter-	-189	NR_037408	1.01E+08		NR_037408	ENSG00000	MIR3614	mir-3614	microRNA	ncRNA
chr17-679	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr17	67903602	67907015	+		0	NA	intron (N	AluSz|SIN	79805	NM_004459	2186	Hs.444200	NM_004459	ENSG00000	BPTF	FAC1|FALZ	bromodoma	protein-coding
chr18-877	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr18	8778481	8780591	+		0	NA	intron (N	intron (N	62155	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-495	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr19	49593714	49598910	+		0	NA	exon (NM_	exon (NM_	5130	NM_020719	57479	Hs.590971	NM_020719	ENSG00000	PRR12	KIAA1205	proline r	protein-coding
chr2-3706	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr2	37064655	37065919	+		0	NA	intron (N	intron (N	19085	NM_019024	54497	Hs.744084	NM_019024	ENSG00000	HEATR5B	-	HEAT repe	protein-coding
chr2-6645	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr2	66456148	66458597	+		0	NA	intron (N	intron (N	-17042	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-2377	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr2	2.38E+08	2.38E+08	+		0	NA	intron (N	AluSx3|SI	-19621	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr22-451	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr22	45176062	45179050	+		0	NA	intron (N	intron (N	12885	NM_153645	10762	Hs.475103	NM_007172	ENSG00000	NUP50	NPAP60|NP	nucleopor	protein-coding
chr3-6398	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr3	63980408	63981198	+		0	NA	intron (N	intron (N	13009	NM_001128	6314	Hs.476595	NM_000333	ENSG00000	ATXN7	ADCAII|OP	ataxin 7	protein-coding
chr3-1605	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr3	1.61E+08	1.61E+08	+		0	NA	intron (N	AluSz6|SI	-6238	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Ca	ncRNA
chr4-1007	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr4	10076587	10092396	+		0	NA	exon (NM_	exon (NM_	-5799	NR_036090	1E+08		NR_036090	ENSG00000	MIR3138	mir-3138	microRNA	ncRNA
chr4-5345	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr4	53452857	53454614	+		0	NA	intron (N	AluJr4|SI	-46342	NR_046622	1.01E+08	Hs.662372	NR_046622	ENSG00000	LNX1-AS1	-	LNX1 anti	ncRNA
chr5-1510	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr5	1510118	1510881	+		0	NA	TTS (NR_1	TTS (NR_1	357	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr6-3534	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr6	35348540	35353889	+		0	NA	intron (N	AluY|SINE	8656	NM_177435	5467	Hs.696032	NM_006238	ENSG00000	PPARD	FAAR|NR1C	peroxisom	protein-coding
chr6-1224	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr6	1.22E+08	1.22E+08	+		0	NA	intron (N	HAL1|LINE	6079	NM_020755	57515	Hs.146668	NM_020755	ENSG00000	SERINC1	TDE1L|TDE	serine in	protein-coding
chr7-1521	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr7	1.52E+08	1.52E+08	+		0	NA	Intergeni	L1MEc|LIN	53159	NM_001371474								
chr8-7012	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr8	70123094	70124491	+		0	NA	intron (N	intron (N	-52540	NM_024504	63978	Hs.736037	NM_024504	ENSG00000	PRDM14	PFM11	PR/SET do	protein-coding
chr8-1407	8.400295	-0.296	0.800274	-0.36987	0.71148	0.981636	chr8	1.41E+08	1.41E+08	+		0	NA	intron (N	L1MC5a|LI	17432	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding

chr1-161	9.749745	0.280932	0.760176	0.369561	0.711709	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	promoter-	promoter-	-774	NM_00111	1E+08	Hs.72003	NM_00111	ENSG0000	TSTD1	KAT|TST	thiosulf	protein-coding
chr20-411	9.749745	0.280932	0.760176	0.369561	0.711709	0.981636	chr20	41104096	41104573	+	0	NA	intron (	L2b|LINE|	-33209	NM_182811	5335	Hs.268177	NM_00266	ENSG0000	PLCG1	NCKAP3|P	phospholi	protein-coding
chr11-18	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr11	18561471	18563070	+	0	NA	intron (	AluSx|SI	17248	NM_001261	55293	Hs.407991	NM_018314	ENSG0000	UEVLD	ATTP|UEV	UEV and l	protein-coding
chr11-517	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr11	51715182	51716196	+	0	NA	Intergeni	ALR/Alph	1306542	NR_024504	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr12-11	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr12	11847070	11847476	+	0	NA	intron (	L2|LINE|	197419	NM_001987	2120	Hs.50476	NM_001987	ENSG0000	ETV6	TEL|TEL/	ETS vari	protein-coding
chr13-46	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr13	46010551	46011455	+	0	NA	intron (	intron (	41743	NM_00133	23091	Hs.13610	NM_01507	ENSG0000	ZC3H13	KIAA0853|	zinc fin	protein-coding
chr13-95	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr13	95876683	95877259	+	0	NA	intron (	AluSz6|SI	176430	NM_020121	55757	Hs.19322	NM_020121	ENSG0000	UGGT2	HUGT2|UG	UDP-gluc	protein-coding
chr14-58	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr14	58368771	58370366	+	0	NA	intron (	AluSz6|SI	-26362	NM_207377	387990	Hs.592307	NM_207377	ENSG0000	TOMM20L	UNQ9438	transloc	protein-coding
chr21-45	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr21	45529361	45530149	+	0	NA	intron (	(GT)n|Si	5001	NM_00120	6573	Hs.84190	NM_00305	ENSG0000	SLC19A1	CHMD|FOL	solute c	protein-coding
chr3-1367	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	intron (	AluSq|SI	39315	NM_00586	10274	Hs.41258	NM_00586	ENSG0000	STAG1	MRD47|SA1	stromal	protein-coding
chr3-172	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	29174	NM_00113	64778	Hs.74488	NM_02276	ENSG0000	FNDC3B	FAD104|P	fibronect	protein-coding
chr4-5271	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr4	52716337	52717277	+	0	NA	intron (	MLT1D|LT	3558	NR_00301	677810	Hs.635034	NR_00301	ENSG0000	SNORA26	HBI-6	small nu	snoRNA
chr4-731	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr4	73153966	73155022	+	0	NA	intron (	intron (	68563	NM_00128	26057	Hs.60120	NM_015574	ENSG0000	ANKRD17	GTAR|MAS	ankyrin	protein-coding
chr5-4361	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr5	43618216	43618788	+	0	NA	intron (	intron (	-15272	NR_07311	1.01E+08	Hs.48204	NR_073113		NNT-AS1	-	NNT anti	ncRNA
chr7-590	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr7	5909644	5910065	+	0	NA	intron (	intron (	11121	NM_01562	51622	Hs.53000	NM_01562	ENSG0000	CCZ1	C7orf28A|	CCZ1 hom	protein-coding
chr9-279	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chr9	2796425	2797924	+	0	NA	Intergeni	MER104|D	46921	NM_01487	9933	Hs.49330	NM_01487	ENSG0000	PUM3	HA-8|HLA-	pumilio	protein-coding
chrX-1184	5.178854	-0.37102	1.004181	-0.36947	0.711775	0.981636	chrX	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	20420	NR_03168	1E+08		NR_03168	ENSG0000	MIR1277	MIRN1277|	microRNA	ncRNA
chr1-166	17.3899	0.213956	0.579379	0.369286	0.711915	0.981636	chr1	16605802	16608020	+	0	NA	intron (	intron (	6694	NM_01794	55672	Hs.467587	NM_01794	ENSG0000	NBPF1	AB13|AB14	NBPF mem	protein-coding
chr7-668	9.219875	0.285544	0.773285	0.369261	0.711933	0.981636	chr7	66805441	66806321	+	0	NA	intron (	AluJr|SI	38945	NR_003934	729156	Hs.70987	NR_003934	ENSG0000	GTF2IRD1	-	GTF2I re	pseudo
chr7-105	9.219875	0.285544	0.773285	0.369261	0.711933	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	non-codi	non-codi	13978	NM_00135	1E+08	Hs.71943	NM_00135	ENSG0000	EFCAB10	-	EF-hand	protein-coding
chr11-11	7.889841	-0.3088	0.837003	-0.36893	0.712176	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (	MER5A|DN	32898	NM_004724	9183	Hs.50388	NM_004724	ENSG0000	ZW10	HZW10|KN	zw10 kin	protein-coding
chr13-45	7.889841	-0.3088	0.837003	-0.36893	0.712176	0.981636	chr13	45031544	45032596	+	0	NA	intron (	intron (	42532	NM_01855	55425	Hs.731811	NM_01855	ENSG0000	GPALPP1	AD029|KI	GPALPP m	protein-coding
chr5-181	7.889841	-0.3088	0.837003	-0.36893	0.712176	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	intron (	AluY|SIN	4186	NM_201627	90933	Hs.44148	NM_03354	ENSG0000	TRIM41	RINCK	tripartit	protein-coding
chr6-420	7.889841	-0.3088	0.837003	-0.36893	0.712176	0.981636	chr6	42064267	42064532	+	0	NA	intron (	AluSx1|SI	13875	NM_13857	129685	Hs.52012	NM_13857	ENSG0000	TAF8	II|TAF|T	TATA-box	protein-coding
chr15-101	11.12885	-0.26441	0.716699	-0.36893	0.712181	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (	THE1C|LT	3721	NM_152334	123283	Hs.65716	NM_152334	ENSG0000	TARSL2	-	threonyl-	protein-coding
chr11-124	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	3’ UTR (	3’ UTR (	31239	NM_00113	4013	Hs.152944	NM_01462	ENSG0000	VWA5A	BCSC-1|B	von Will	protein-coding
chr15-644	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr15	64423434	64424739	+	0	NA	exon (NM_	exon (NM_	36250	NM_001321	9325	Hs.50034	NM_01621	ENSG0000	TRIP4	ASC-1|AS	thyroid	protein-coding
chr16-211	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr16	211628	212518	+	0	NA	intron (	AluSp|SI	17376	NM_01803	55692	Hs.16803	NM_01803	ENSG0000	LUC7L	LUC7B1|L	LUC7 lik	protein-coding
chr19-19	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr19	1988288	1991297	+	0	NA	intron (	intron (	25922	NM_017797	55643	Hs.46554	NM_017797	ENSG0000	BTBD2	-	BTB domai	protein-coding
chr2-853	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr2	85306329	85307898	+	0	NA	intron (	intron (	20876	NM_00136	10618	Hs.59338	NM_006464	ENSG0000	TGOLN2	TGN38|TG	trans-gol	protein-coding
chr2-966	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr2	96633503	96633829	+	0	NA	intron (	AluSx|SI	4325	NR_04765	55683	Hs.516341	NM_017991	ENSG0000	KANSL3	KIAA1310|	KAT8 reg	protein-coding
chr2-2414	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (	L1PA10|LI	-56749	NR_03608	1E+08		NR_03608	ENSG0000	MIR3133	-	microRNA	ncRNA
chr22-457	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr22	45702053	45704094	+	0	NA	intron (	L2c|LINE|	31239	NM_01323	25814	Hs.47512	NM_01323	ENSG0000	ATXN10	E46L|HUM	ataxin 1	protein-coding
chr3-478	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr3	47891334	47892736	+	0	NA	intron (	intron (	42480	NR_03159	1E+08		NR_03159	ENSG0000	MIR1226	MIRN1226|	microRNA	ncRNA
chr6-108	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (	MLT1C|LT	10497	NM_00145	2309	Hs.22095	NM_00145	ENSG0000	FOXO3	AF6q21|F	forkhead	protein-coding
chr7-273	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr7	2730725	2731573	+	0	NA	3’ UTR (	3’ UTR (	31991	NM_00128	2768	Hs.487341	NM_00735	ENSG0000	GNA12	NNX3|RMP|	G protei	protein-coding
chr7-1311	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (	AluSx|SI	5203	NR_02415	378805	Hs.15055	NM_00108	ENSG0000	LINC-PIN	LincRNA-	long int	ncRNA
chr8-945	8.14442	0.300642	0.815082	0.368849	0.71224	0.981636	chr8	94532107	94532853	+	0	NA	intron (	L1MD2|LI	20989	NM_01549	25962	Hs.20223	NM_01549	ENSG0000	VIRMA	KIAA1429|	vir like	protein-coding
chr10-294	8.642858	0.301594	0.81799	0.368702	0.71235	0.981636	chr10	29494779	29495767	+	0	NA	intron (	intron (	49824	NR_03033	693189		NR_03033	ENSG0000	MIR604	MIRN604|	microRNA	ncRNA
chr16-23	7.97027	-0.31438	0.852996	-0.36856	0.712454	0.981636	chr16	23690331	23690984	+	0	NA	TTS (NM_	TTS (NM_	11768	NM_00503	5347	Hs.59204	NM_00503	ENSG0000	PLK1	PLK|STPK1	polo lik	protein-coding
chrX-464	7.856559	-0.31326	0.850886	-0.36816	0.712753	0.981636	chrX	46451061	46451279	+	0	NA	intron (	intron (	3873	NM_00112	55634	Hs.63280	NM_01777	ENSG0000	KRBOX4	ZNF673	KRAB box	protein-coding
chr1-155	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr1	15538850	15540992	+	0	NA	intron (	AluSz|SI	-2245	NR_13561	1.07E+08		NR_13561	ENSG0000	SCARNA21	-	small Ca	ncRNA
chr1-208	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr1	20808835	20811516	+	0	NA	intron (	AluSc8|SI	-23487	NM_016287	50809	Hs.14244	NM_016287	ENSG0000	HP1BP3	HP1-BP74|	heteroch	protein-coding
chr1-4634	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr1	46349347	46350805	+	0	NA	intron (	MIRc|SIN	8898	NM_00125	387338	Hs.163424	NM_199044	ENSG0000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr1-1081	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (	THE1C|LT	19472	NM_213651	29957	Hs.65687	NM_01338	ENSG0000	SLC25A24	APC1|SCA	solute c	protein-coding
chr10-31	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr10	3129886	3141688	+	0	NA	exon (NM_	exon (NM_	1683	NR_13275	1.07E+08		NR_132758		SNORD142	SNORA85|	small nu	snoRNA
chr10-24	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr10	24598837	24602987	+	0	NA	exon (NM_	exon (NM_	21931	NM_001367	57584	Hs.52419	NM_020824	ENSG0000	ARHGAP21	ARHGAP10	Rho GTPa	protein-coding
chr10-73	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr10	73004761	73012624	+	0	NA	intron (	intron (	-53886	NM_03256	84647	Hs.33317	NM_03256	ENSG0000	PLA2G12B	FKSG71|G	phospholi	protein-coding
chr10-74	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr10	74061534	74067492	+	0	NA	intron (	AluJo|SI	66397	NM_00337	7414	Hs.64389	NM_00337	ENSG0000	VCL	CMD1W|CM	vinculin	protein-coding
chr10-95	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr10	95238308	95242017	+	0	NA	intron (	L1PA11|LI	45962	NM_207321	142827	Hs.13422	NM_207321	ENSG0000	ACSM6	C10orf12	acyl-CoA	protein-coding
chr11-67	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr11	67207647	67211380	+	0	NA	intron (	AluSx|SI	-30501	NM_00125	22992	Hs.124147	NM_01230	ENSG0000	KDM2A	CXXC8|FB	lysine d	protein-coding
chr11-74	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr11	74978227	74978692	+	0	NA	3’ UTR (	3’ UTR (	-10185	NM_001367	10825	Hs.191074	NM_00665	ENSG0000	NEU3	SIAL3	neuramini	protein-coding
chr11-10	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	TTS (NM_	TTS (NM_	4159	NM_05288	114769	Hs.34836	NM_05288	ENSG0000	CARD16	COP|COP1|	caspase	protein-coding
chr12-11	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	L1MD2|LI	-30853	NR_03743	1.01E+08		NR_03743	ENSG0000	MIR3657	-	microRNA	ncRNA
chr13-311	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr13	31135031	31154656	+	0	NA	intron (	intron (	17061	NM_006644	10808	Hs.743267	NM_006644	ENSG0000	HSPH1	HSP105|H	heat sho	protein-coding
chr13-321	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr13	32102431	32103921	+	0	NA	intron (	intron (	71402	NM_023037	10129	Hs.50766	NM_023037	ENSG0000	FRY	13CDNA73|	FRY micr	protein-coding
chr13-45	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr13	45511814	45516747	+	0	NA	intron (	AluSz|SI	49341	NM_031431	83548	Hs.50794	NM_031431	ENSG0000	COG3	SEC34	component	protein-coding
chr13-951	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr13	95196859	95199867	+	0	NA	intron (	L1PA8|LI	-11981	NR_14573	1.1E+08		NR_145733		SNORD13G	-	small nu	snoRNA
chr14-39	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr14	39053334	39068298	+	0	NA	intron (	intron (	-42324	NR_14654	1.05E+08		NR_14654	ENSG0000	SEC23A-A	-	SEC23A a	ncRNA
chr14-67	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr14	67326690	67328749	+	0	NA	intron (	L1PA5|LI	32085	NM_015994	51382	Hs.27263	NM_015994	ENSG0000	ATP6V1D	ATP6M|VA	ATPase H	protein-coding
chr14-68	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr14	68914490	68928305	+	0	NA	intron (	L2b|LINE|	57905	NM_00110	87	Hs.23575	NM_00110	ENSG0000	ACTN1	BDPLT15	actinin	protein-coding
chr14-88	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr14	88548302	88550424	+	0	NA	intron (	intron (	5644	NM_00703	11099	Hs.43704	NM_00703	ENSG0000	PTPN21	PTPD1|PT	protein t	protein-coding
chr15-58	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr15	58893292	58897483	+	0	NA	intron (	intron (	38292	NR_13504	79811	Hs.51293	NM_01796	ENSG0000	SLTM	Met	SAFB lik	protein-coding
chr16-507	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr16	50779664	50779902	+	0	NA	exon (NM_	exon (NM_	-26889	NR_14657	1.05E+08		NR_14657	ENSG0000	LINC0216	-	long int	ncRNA
chr16-58	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr16	58617297	58618589	+	0	NA	intron (	AluJr4|SI	11883	NM_20699	23019	Hs.46092	NM_016284	ENSG0000	CNOT1	AD-005|C	CCR4-NOT	protein-coding
chr17-29	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr17	29271211	29292287	+	0	NA	intron (	intron (	12399	NM_02077	57532	Hs.46259	NM_02077	ENSG0000	NUFIP2	182-FIP|	nuclear	protein-coding
chr17-37	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr17	37626501	37629085	+	0	NA	intron (	AluJr|SI	-12754	NR_106744	1.02E+08		NR_106744	ENSG0000	MIR378J	hsa-mir-	microRNA	ncRNA
chr17-60	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr17	60343934	60344980	+	0	NA	intron (	AluJo|SI	47676	NM_03258	84669	Hs.13286	NM_03258	ENSG0000	USP32	NY-REN-6	ubiquiti	protein-coding
chr17-767	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr17	76731456	76734573	+	0	NA	exon (NM_	exon (NM_	3534	NR_03036	693221		NR_03036	ENSG0000	MIR636	MIRN636|	microRNA	ncRNA
chr18-57	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr18	57668389	57675876	+	0	NA	intron (	L2a|LINE|	41801	NM_00124	1.01E+08	Hs.66064	NM_001242804		LOC10050	-	uncharact	protein-coding
chr19-554	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr19	55400094	55405067	+	0	NA	promoter-	promoter-	77	NR_145781	1.1E+08		NR_145781		SNORD157	-	small nu	snoRNA
chr2-848	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr2	84835713	84837965	+	0	NA	3’ UTR (	3’ UTR (	44245	NM_001277	129293	Hs.469134	NM_00108	ENSG0000	TRABD2A	C2orf89|	TraB dom	protein-coding
chr2-2004	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (	intron (	37625	NM_001321	130535	Hs.60577	NM_152387	ENSG0000	KCTD18	6530404F1	potassiu	protein-coding
chr20-25	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr20	25260642	25262007	+	0	NA	intron (	L1P2|LIN	13239	NM_00286	5834	Hs.368157	NM_00286	ENSG0000	PYGB	GPBB	glycogen	protein-coding
chr20-41	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr20	41092873	41094269	+	0	NA	intron (	intron (	-43972	NM_182811	5335	Hs.268177	NM_00266	ENSG0000	PLCG1	NCKAP3|P	phospholi	protein-coding
chr20-637	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr20	63742891	63744642	+	0	NA	TTS (NM_	TTS (NM_	3990	NM_02006	56731	Hs.43512	NM_02006	ENSG0000	SLC2A4RG	GEF|HDBP-	SLC2A4 r	protein-coding
chr21-371	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr21	37153982	37158765	+	0	NA	intron (	MamRep43	37553	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG0000	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-36	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr22	36382280	36384216	+	0	NA	intron (	intron (	4819	NM_00247	4627	Hs.474751	NM_00247	ENSG0000	MYH9	BDPLT6|D	myosin h	protein-coding
chr3-156	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr3	15684144	15687680	+	0	NA	intron (	intron (	11459	NR_03608	1E+08		NR_03608	ENSG0000	MIR3134	-	microRNA	ncRNA
chr3-478	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr3	47887847	47889741	+	0	NA	intron (	intron (	39239	NR_03159	1E+08		NR_03159	ENSG0000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-1224	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	non-codi	non-codi	10247	NR_12540	1.03E+08	Hs.67505	NR_12540	ENSG0000	LOC10272	-	uncharact	ncRNA
chr5-164	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr5	16454139	16455778	+	0	NA	intron (	MER5A|DN	10842	NM_033414	90441	Hs.60300	NM_033414	ENSG0000	ZNF622	ZPR9	zinc fin	protein-coding
chr5-874	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr5	87407364	87409993	+	0	NA	intron (	intron (	4226	NM_00119	902	Hs.292524	NM_00123	ENSG0000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr6-1437	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	MIR3|SIN	35710	NM_00110	9749	Hs.102471	NM_014721	ENSG0000	PHACTR2	C6orf56	phosphat	protein-coding
chr7-7541	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr7	75414766	75416172	+	0	NA	intron (	intron (	5147	NR_10401	155400	Hs.436034	NM_00103	ENSG0000	NSUN5P1	NSUN5B|W	NSUN5 ps	pseudo
chr8-2541	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr8	25416143	25423190	+	0	NA	intron (	AluSz6|SI	4595	NM_00108	2796	Hs.82963	NM_00082	ENSG0000	GNRH1	GNRH|GRH|	gonadotr	protein-coding
chr9-1101	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (	L2b|LINE|	-22192	NM_00113	445815	Hs.59190	NM_00720	ENSG0000	PALM2-AK	AKAP-2|A	PALM2-AK	protein-coding
chr9-122	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (	AluJb|SI	8462	NM_00134	92399	Hs.368011	NM_138777	ENSG0000	MRRF	MRFF|MTR	mitochon	protein-coding
chr9-127	8.392437	-0.29442	0.800102	-0.36798	0.712885	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	33217	NM_02283	64855	Hs.522401	NM_02283	ENSG0000	NIBAN2	C9orf88|	niban ap	protein-coding
chr1-663	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr1	66333499	66334621	+	0	NA	intron (	intron (	1952	NM_001037	5142	Hs.19807	NM_00260	ENSG0000	PDE4B	DPDE4|PD	phosphodi	protein-coding
chr1-168	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (	intron (	21359	NR_03170	1E+08		NR_03170	ENSG0000	MIR1255B	MIR1255B-	microRNA	ncRNA
chr1-1851	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (	intron (	8136	NM_030934	81627	Hs.10714	NM_030934	ENSG0000	TRMT1L	C1orf25|	tRNA met	protein-coding
chr1-2294	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr1	2.29E+08	2.3E+08	+	0	NA	intron (	AluJr|SI	9335	NM_01823	55746	Hs.12457	NM_01823	ENSG0000	NUP133	GAMOS8|N	nucleopo	protein-coding
chr11-651	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr11	65187102	65195939	+	0	NA	intron (	AluSx|SI	9592	NM_00518	823	Hs.50284	NM_00518	ENSG0000	CAPN1	CANP|CAN	calpain 1	protein-coding
chr11-10	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (	L1M1|LIN	185474	NM_001377	79659	Hs.503721	NM_001377	ENSG0000	DYNC2H1	ATD3|DHC1	dynein c	protein-coding
chr11-11	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (	MIRb|SIN	-17341	NR_03375	10632	Hs.48636	NM_00647	ENSG0000	ATP5MG	ATP5JG|A	ATP synt	protein-coding
chr12-29	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr12	2922542	2924170	+	0	NA	intron (	intron (	32465	NM_00116	7289	Hs.65533	NM_003324	ENSG0000	TULP3	TUBL3	TUB like	protein-coding
chr15-417	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr15	41764507	41765270	+	0	NA	exon (NM_	exon (NM_	-9596	NM_00126	23005	Hs.513661	NM_014994	ENSG0000	MAPKBP1	JNKBP-1|	mitogen-	protein-coding
chr15-847	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr15	84783556	84784650	+	0	NA	exon (NM_	exon (NM_	-32577	NM_02077	57538	Hs.45918	NM_02077	ENSG0000	ALPK3	CMH27|MA	alpha ki	protein-coding
chr16-27	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr16	27337567	27343838	+	0	NA	intron (	AluJo|SI	26728	NM_001257	3566	Hs.513457	NM_00041	ENSG0000	IL4R	CD124|IL-	interleu	protein-coding
chr16-56	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr16	56379053	56383515	+	0	NA	intron (	THE1B|LT	43705	NM_00132	267	Hs.295137	NM_001144	ENSG0000	AMFR	GP78|RNF4	autocrin	protein-coding
chr17-387	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr17	38771569	38786926	+	0	NA	intron (	intron (	20658	NM_00355	8396	Hs.26060	NM_00355	ENSG0000	PIP4K2B	PI5P4KB|	phosphati	protein-coding
chr19-56	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr19	5602820	5605730	+	0	NA	intron (	AluJb|SI	18501	NM_01464	9667	Hs.65539	NM_01464	ENSG0000	SAFB2	-	scaffold	protein-coding
chr19-83	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr19	8368188	8374664	+	0	NA	exon (NM_	exon (NM_	7271	NM_00103	51129	Hs.9613	NM_01610	ENSG0000	ANGPTL4	ARP4|FIA	angiopoi	protein-coding
chr19-42	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr19	42274270	42275261	+	0	NA	intron (	intron (	6228	NM_001304	23152	Hs.38823	NM_01512	ENSG0000	CIC	MRD45	capicua t	protein-coding
chr2-2891	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr2	28912593	28917338	+	0	NA	intron (	intron (	1303	NR_003074	692209		NR_003074	ENSG0000	SNORD92	HBII-316	small nu	snoRNA
chr2-323	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr2	32387244	32390667	+	0	NA	intron (	intron (	31927	NM_01625	57448	Hs.150107	NM_01625	ENSG0000	BIRC6	APOLLON|	baculovi	protein-coding
chr3-1524	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr3	15241001	15242943	+	0	NA	intron (	intron (	-12212	NR_046084	1.01E+08	Hs.74502	NR_046084	ENSG0000	SH3BP5-A	-	SH3BP5 a	ncRNA
chr3-474	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr3	47433340	47434968	+	0	NA	intron (	intron (	41787	NM_00132	22937	Hs.53178	NM_01223	ENSG0000	SCAP	-	SREBF ch	protein-coding
chr3-533	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr3	53308523	53312190	+	0	NA	intron (	intron (	22771	NR_14571	1.1E+08		NR_14571	ENSG0000	SNORD38C	-	small nu	snoRNA
chr3-1701	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (	intron (	60325	NM_024947	80012	Hs.52959	NM_024947	ENSG0000	PHC3	EDR3|HPH	polyhome	protein-coding
chr5-177	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (	HAL1b|LI	8068	NR_00361	728554	Hs.53576	NR_00361	ENSG0000	LOC72855	-	THO compl	pseudo
chr7-100	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr7	1E+08	1E+08	+	0	NA	non-codi	non-codi	1315	NR_10372	1.02E+08	Hs.52107	NR_103728		PVRIG2P	-	poliovir	pseudo
chr9-121	9.186594	0.282517	0.767788	0.367963	0.712901	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (	intron (	11438	NM_000177	2934	Hs.52237	NM_000177	ENSG0000	GSN	ADF|AGEL	gelsolin	protein-coding
chr10-75	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr10	75398633	75399933	+	0	NA	exon (NM_	exon (NM_	-2245	NR_024421	1E+08	Hs.53459	NR_024421	ENSG0000	ZNF503-A	C10orf41|	ZNF503 a	ncRNA
chr15-56	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr15	56664793	56666904	+	0	NA	intron (	intron (	68238	NM_00128	54816	Hs.511477	NM_017661	ENSG0000	ZNF280D	SUHW4|ZN	zinc fin	protein-coding
chr16-821	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr16	82165502	82166642	+	0	NA	intron (	L1MD2|LI	4152	NM_00579	10200	Hs.34440	NM_00579	ENSG0000	MPHOSPH6	MPP|MPP-	M-phase	protein-coding
chr21-43	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr21	43020917	43021813	+	0	NA	exon (NM_	exon (NM_	46803	NM_004571	5316	Hs.43104	NM_004571	ENSG0000	PKNOX1	PREP1|pk	PBX/knott	protein-coding
chr5-370	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr5	37038731	37039144	+	0	NA	intron (	intron (	162168	NM_015384	25836	Hs.481927	NM_015384	ENSG0000	NIPBL	CDLS|CDL	NIPBL co	protein-coding
chr6-4754	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr6	47545260	47546628	+	0	NA	intron (	L1PBa|LI	68155	NM_01212	23607	Hs.48551	NM_01212	ENSG0000	CD2AP	CMS	CD2 asso	protein-coding
chr6-143	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	intron (	-35335	NM_00132	84946	Hs.18567	NM_03286	ENSG0000	LTV1	C6orf93|	LTV1 rib	protein-coding
chr9-923	8.641008	0.291204	0.791417	0.367953	0.712908	0.981636	chr9	92309723	92311220	+	0	NA	intron (	intron (	14879	NM_01794	55035	Hs.44219	NM_01794	ENSG0000	NOL8	C9orf34|	nucleola	protein-coding
chr3-1677	6.126636	0.361994	0.984187	0.36781	0.713015	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (	L1MA3|LI	24974	NM_14586	11235	Hs.47815	NM_007217	ENSG0000	PDCD10	CCM3|TFA	programm	protein-coding

chr19-952	17.35662	0.212256	0.577143	0.36777	0.713045	0.981636	chr19	9523588	9536541	+	0	NA	intron (N	AluSx|SIN	8581	NM_001318	79088	Hs.386476	NM_024106	ENSG00000	ZNF426	K-RBP	zinc fing	protein-coding
chr1-6655	8.63315	0.292932	0.796851	0.367612	0.713162	0.981636	chr1	66554321	66560162	+	0	NA	intron (N	intron (N	23088	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr15-987	8.63315	0.292932	0.796851	0.367612	0.713162	0.981636	chr15	98707786	98708802	+	0	NA	intron (N	intron (N	-57073	NR_126453	1.04E+08	Hs.349049	NR_126453		IRAIN	IGF1R-AS	IGF1R ant	ncRNA
chr5-9552	8.63315	0.292932	0.796851	0.367612	0.713162	0.981636	chr5	95524448	95525559	+	0	NA	intron (N	AluSz|SIN	30002	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr10-124	8.818762	-0.29891	0.813555	-0.36741	0.71331	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20483	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr10-389	8.423868	-0.30088	0.819154	-0.36731	0.713387	0.981636	chr10	389864	390260	+	0	NA	exon (NM_	exon (NM_	210068	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr1-5241	7.428384	-0.3218	0.87628	-0.36723	0.713446	0.981636	chr1	52419747	52420072	+	0	NA	3’ UTR (N	3’ UTR (N	15307	NM_032864	84950	Hs.5301	NM_032284	ENSG00000	PRPF38A	PRP38A|Pr	pre-mRNA	protein-coding
chr4-4302	7.469524	-0.31891	0.868838	-0.36706	0.713577	0.981636	chr4	4302251	4302500	+	0	NA	exon (NM_	exon (NM_	12124	NM_001330	166793	Hs.419997	NM_145291	ENSG00000	ZBTB49	ZNF509	zinc fing	protein-coding
chr22-287	12.08504	-0.24904	0.67857	-0.367	0.713618	0.981636	chr22	28793465	28798704	+	0	NA	exon (NM_	exon (NM_	4488	NM_001079	7494	Hs.437638	NM_005080	ENSG00000	XBP1	TREB-5|TR	X-box bir	protein-coding
chr12-195	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr12	1950859	1955600	+	0	NA	exon (NM_	exon (NM_	-16653	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr3-3684	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr3	36845878	36846077	+	0	NA	intron (N	L1ME3G|LI	-23477	NR_147141	1.05E+08	Hs.333862	NR_147141	ENSG00000	LINC02033	-	long inte	ncRNA
chr4-5152	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr4	515247	516449	+	0	NA	intron (N	intron (N	16638	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr6-1437	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-82378	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr9-1315	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L2a|LINE|	2542	NM_031432	83549	Hs.9597	NM_031432	ENSG00000	UCK1	URK1	uridine-c	protein-coding
chr9-1358	8.18556	0.302019	0.823485	0.366757	0.713801	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	96193	NM_015447	157922	Hs.522493	NM_015447	ENSG00000	CAMSAP1	-	calmoduli	protein-coding
chr19-267	15.4054	0.229286	0.625221	0.366728	0.713822	0.981636	chr19	26734101	26734918	+	0	NA	Intergeni	ALR/Alpha	-1058922	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-118	7.681114	0.31454	0.857796	0.366684	0.713855	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	TTS (NM_0	TTS (NM_0	5005	NM_032966	643	Hs.113916	NM_001716	ENSG00000	CXCR5	BLR1|CD18	C-X-C mot	protein-coding
chr14-677	7.681114	0.31454	0.857796	0.366684	0.713855	0.981636	chr14	67760622	67761735	+	0	NA	intron (N	intron (N	55412	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr16-856	7.681114	0.31454	0.857796	0.366684	0.713855	0.981636	chr16	85661278	85661961	+	0	NA	exon (NM_	exon (NM_	27335	NM_016095	51659	Hs.433180	NM_016095	ENSG00000	GINS2	HSPC037|F	GINS comp	protein-coding
chr1-1557	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSp|SIN	-16194	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr15-628	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr15	62835976	62836549	+	0	NA	intron (N	L2b|LINE|	12305	NR_029709	406965		NR_029709	ENSG00000	MIR190A	MIR190|MI	microRNA	ncRNA
chr17-407	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr17	4074149	4077040	+	0	NA	intron (N	intron (N	67436	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-199	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr17	19929648	19932371	+	0	NA	intron (N	AluJr|SIN	46819	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr17-286	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr17	28648038	28649329	+	0	NA	non-codin	non-codin	-3524	NM_001363	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr17-579	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr17	57975948	57977947	+	0	NA	intron (N	intron (N	11307	NM_007146	7716	Hs.463569	NM_007146	ENSG00000	VEZF1	DB1|ZNF16	vascular	protein-coding
chr2-8859	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr2	88592590	88593164	+	0	NA	intron (N	intron (N	32052	NM_001313	9451	Hs.591589	NM_004836	ENSG00000	EIF2AK3	PEK|PERK|	eukaryoti	protein-coding
chr21-175	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr21	17594089	17595092	+	0	NA	intron (N	intron (N	-17096	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG00000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr3-4912	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr3	49126856	49129182	+	0	NA	intron (N	AluSc|SIN	5031	NM_002292	3913	Hs.439726	NM_002292	ENSG00000	LAMB2	LAMS|NPHS	laminin s	protein-coding
chr3-1015	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJo|SIN	16522	NM_020357	57092	Hs.732633	NM_020357	ENSG00000	PCNP	-	PEST prot	protein-coding
chr6-1283	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	THE1B-int	144259	NM_001291	5796	Hs.155919	NM_002844	ENSG00000	PTPRK	R-PTP-kap	protein t	protein-coding
chr8-6707	8.648866	0.289478	0.789753	0.366542	0.71396	0.981636	chr8	67077657	67078975	+	0	NA	intron (N	MIR|SINE|	-5532	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr11-532	9.724321	0.276387	0.754414	0.366359	0.714097	0.981636	chr11	532443	534148	+	0	NA	exon (NM_	exon (NM_	2272	NM_176795	3265	Hs.37003	NM_005343	ENSG00000	HRAS	C-BAS/HAS	HRas prot	protein-coding
chr11-117	9.683182	0.275036	0.750879	0.366286	0.714152	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	L1PA7|LIN	77556	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr2-6127	9.683182	0.275036	0.750879	0.366286	0.714152	0.981636	chr2	61277320	61278422	+	0	NA	intron (N	THE1B|LTR	100453	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr14-101	8.844185	-0.29289	0.799848	-0.36618	0.714228	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-70021	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr1-3221	7.923122	-0.3044	0.831479	-0.36609	0.714298	0.981636	chr1	32216714	32216916	+	0	NA	TTS (NM_0	TTS (NM_0	-4769	NM_003757	8668	Hs.530096	NM_003757	ENSG00000	EIF3I	EIF3S2|PR	eukaryoti	protein-coding
chr16-142	7.923122	-0.3044	0.831479	-0.36609	0.714298	0.981636	chr16	14260782	14261116	+	0	NA	exon (NM_	exon (NM_	-41339	NR_132983	1E+08	Hs.190748	NR_132983		MIR193BHG	-	MIR193B h	ncRNA
chr5-3697	7.923122	-0.3044	0.831479	-0.36609	0.714298	0.981636	chr5	36975953	36977331	+	0	NA	intron (N	intron (N	99873	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr11-776	5.137715	-0.37548	1.025796	-0.36604	0.714336	0.981636	chr11	77632714	77633127	+	0	NA	intron (N	AluSx1|SI	4874	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr19-368	5.137715	-0.37548	1.025796	-0.36604	0.714336	0.981636	chr19	36840524	36842166	+	0	NA	intron (N	AluSx|SIN	-2958	NM_206894	388536	Hs.282067	NM_206894	ENSG00000	ZNF790	-	zinc fing	protein-coding
chr2-3640	5.137715	-0.37548	1.025796	-0.36604	0.714336	0.981636	chr2	36400613	36401472	+	0	NA	intron (N	intron (N	45264	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr1-1592	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr1	15926103	15927126	+	0	NA	intron (N	L2a|LINE|	49518	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-9506	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr1	95063004	95064075	+	0	NA	intron (N	L1PA11|LI	1943	NR_132786	1.02E+08	Hs.730090	NR_132786	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-481	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr11	48130799	48131718	+	0	NA	intron (N	AluSz6|SI	34476	NR_036119	1E+08		NR_036119	ENSG00000	MIR3161	-	microRNA	ncRNA
chr12-459	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr12	45900290	45900785	+	0	NA	intron (N	HAL1|LINE	90037	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr13-429	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr13	42952915	42953455	+	0	NA	intron (N	MIRb|SINE	39056	NM_001002	94240	Hs.546467	NM_033255	ENSG00000	EPSTI1	BRESI1	epithelia	protein-coding
chr13-106	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr13	1.06E+08	1.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	43227	NM_004093	1948	Hs.149239	NM_004093	ENSG00000	EFNB2	EPLG5|HTK	ephrin B2	protein-coding
chr14-994	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr14	99458441	99459671	+	0	NA	intron (N	intron (N	21803	NM_199123	84193	Hs.510407	NM_032233	ENSG00000	SETD3	C14orf154	SET domai	protein-coding
chr14-101	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-63483	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr17-544	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr17	5446107	5446820	+	0	NA	intron (N	MIR|SINE|	-7308	NM_001212	708	Hs.555866	NM_001212	ENSG00000	C1QBP	COXPD33|C	complemen	protein-coding
chr17-554	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr17	5547682	5549577	+	0	NA	intron (N	L2b|LINE|	35880	NM_033004	22861	Hs.652273	NM_014922	ENSG00000	NLRP1	AIADK|CAR	NLR famil	protein-coding
chr17-374	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr17	37415079	37415872	+	0	NA	intron (N	L1MC4a|LI	8250	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr2-3700	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr2	37008521	37008968	+	0	NA	exon (NM_	exon (NM_	-42208	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr2-3729	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr2	37291170	37292799	+	0	NA	intron (N	intron (N	25100	NM_005813	23683	Hs.660757	NM_005813	ENSG00000	PRKD3	EPK2|PKC-	protein k	protein-coding
chr20-584	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr20	58441301	58443006	+	0	NA	intron (N	intron (N	52924	NR_036633	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP asso	protein-coding
chr21-463	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr21	46304390	46304931	+	0	NA	intron (N	L1M5|LINE	13560	NM_001286	54058	Hs.236572	NM_058180	ENSG00000	C21orf58	-	chromosom	protein-coding
chr22-383	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr22	38376761	38378272	+	0	NA	intron (N	intron (N	21399	NM_001289	1.03E+08	Hs.720223	NM_001289	ENSG00000	TPTEP2-CS	LOC400927	TPTEP2-CS	protein-coding
chr3-4048	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr3	40483022	40484192	+	0	NA	intron (N	intron (N	6485	NM_173656	285267	Hs.407159	NM_173656	ENSG00000	ZNF619	-	zinc fing	protein-coding
chr3-1111	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	86237	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-1695	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	L1MA3|LIN	107679	NM_001199	4750	Hs.481181	NM_012224	ENSG00000	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr5-5364	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr5	53648825	53649249	+	0	NA	intron (N	MLT1F2|LT	88398	NR_134474	4724	Hs.528222	NM_002495	ENSG00000	NDUFS4	AQDQ|CI-1	NADH:ubic	protein-coding
chr5-1339	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSg4|SI	10834	NR_134247	1.05E+08	Hs.543907	NR_134247		LOC105379	-	uncharact	ncRNA
chr6-3064	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr6	30644521	30644720	+	0	NA	TTS (NM_0	TTS (NM_0	-2513	NM_001109	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromosom	protein-coding
chr6-1008	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	77400	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr6-1273	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr6	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	28183	NM_001139	55862	Hs.486410	NM_018479	ENSG00000	ECHDC1	HEL-S-76|	ethylmalo	protein-coding
chr8-1245	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	non-codin	non-codin	-7185	NR_106903	1.02E+08		NR_106903	ENSG00000	MIR6844	hsa-mir-6	microRNA	ncRNA
chr9-1003	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	L1M2|LINE	37503	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chrX-4506	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chrX	45060466	45061737	+	0	NA	intron (N	intron (N	139775	NM_176819	79742	Hs.98321	NM_024689	ENSG00000	DIPK2B	4930578C1	divergent	protein-coding
chrX-1041	5.170996	-0.36856	1.007173	-0.36593	0.714416	0.981636	chrX	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	9866	NM_207318	139231	Hs.496535	NM_207318	ENSG00000	FAM199X	CXorf39	family wi	protein-coding
chr19-106	10.25419	0.272564	0.745093	0.365812	0.714505	0.981636	chr19	10640499	10641796	+	0	NA	intron (N	AluJb|SIN	12725	NR_024333	147727	Hs.631616	NR_024333	ENSG00000	ILF3-DT	ILF3-AS1	ILF3 dive	ncRNA
chr11-111	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	69593	NM_015191	23235	Hs.269128	NM_015191	ENSG00000	SIK2	LOH11CR1I	salt indu	protein-coding
chr12-132	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSg4|SI	-25301	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr16-151	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr16	15125391	15128139	+	0	NA	intron (N	AluY|SINE	4836	NR_123722	1.05E+08	Hs.634612	NR_123721	ENSG00000	PKD1P6-NP	-	PKD1P6-NP	pseudo
chr19-147	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr19	14705590	14711198	+	0	NA	intron (N	intron (N	18346	NM_001352	84449	Hs.515215	NM_032433	ENSG00000	ZNF333	-	zinc fing	protein-coding
chr22-439	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr22	43972848	43976994	+	0	NA	intron (N	intron (N	19479	NM_015380	25813	Hs.505824	NM_015380	ENSG00000	SAMM50	CGI-51|OM	SAMM50 sc	protein-coding
chr22-497	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr22	49793060	49795069	+	0	NA	exon (NM_	exon (NM_	30267	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr5-7042	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr5	70423818	70425035	+	0	NA	intron (N	intron (N	9052	NM_001515	2966	Hs.191356	NM_001515	ENSG00000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr8-4297	8.690006	0.290858	0.795108	0.36581	0.714507	0.981636	chr8	42974193	42977342	+	0	NA	intron (N	AluSc8|SI	78789	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr9-1283	6.193199	0.370195	1.012075	0.365778	0.71453	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx3|SI	-5626	NR_031672	1E+08		NR_031672	ENSG00000	MIR1268A	MIR1268|M	microRNA	ncRNA
chr13-306	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr13	30622034	30622631	+	0	NA	intron (N	intron (N	4412	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr13-492	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr13	49202449	49204048	+	0	NA	exon (NM_	exon (NM_	-17090	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr19-326	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr19	32658393	32658639	+	0	NA	intron (N	intron (N	16664	NM_032139	84079	Hs.59236	NM_032139	ENSG00000	ANKRD27	PP12899|V	ankyrin r	protein-coding
chr19-457	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr19	45720109	45720496	+	0	NA	intron (N	AluSx|SIN	3194	NM_001329	23403	Hs.128702	NM_001080	ENSG00000	FBXO46	20D7-FC4|	F-box pro	protein-coding
chr2-1121	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr2	11210300	11212223	+	0	NA	intron (N	intron (N	55794	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|P	solute ca	protein-coding
chr2-4559	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr2	45598862	45599354	+	0	NA	intron (N	Tigger16b	12159	NM_018079	55133	Hs.14229	NM_018079	ENSG00000	SRBD1	-	S1 RNA bi	protein-coding
chr6-1297	8.351297	-0.29703	0.812358	-0.36564	0.714634	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx|SIN	3484	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr13-198	8.625292	0.294694	0.806363	0.365461	0.714768	0.981636	chr13	19848972	19849350	+	0	NA	intron (N	AluJr|SIN	14475	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr17-504	8.625292	0.294694	0.806363	0.365461	0.714768	0.981636	chr17	50436312	50436511	+	0	NA	intron (N	AluY|SINE	10253	NM_001288	80221	Hs.288959	NM_025149	ENSG00000	ACSF2	ACSMW|AVY	acyl-CoA	protein-coding
chr7-1288	8.218841	0.305294	0.835753	0.365292	0.714894	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3740	NR_149055	1.11E+08	Hs.735929	NR_149055	ENSG00000	FLNC-AS1	-	FLNC anti	ncRNA
chr16-225	11.16213	-0.26122	0.71549	-0.3651	0.715039	0.981636	chr16	22507983	22508347	+	0	NA	Intergeni	AluSz|SIN	3716	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr2-3901	7.176668	0.328634	0.900166	0.365081	0.715051	0.981636	chr2	39011767	39012027	+	0	NA	intron (N	MIR|SINE|	-51553	NR_028386	375196	Hs.659035	NR_028386	ENSG00000	LOC375196	-	uncharact	ncRNA
chr19-217	7.361821	-0.33136	0.907686	-0.36506	0.71507	0.981636	chr19	21740678	21741051	+	0	NA	intron (N	L1MB2|LIN	-9881	NR_024523	641367	Hs.680128	NR_024523	ENSG00000	LOC641367	-	cyclin Y	pseudo
chr4-3539	8.723287	0.29401	0.805489	0.365009	0.715105	0.981636	chr4	353948	354200	+	0	NA	intron (N	intron (N	3917	NR_030297	693156		NR_030297	ENSG00000	MIR571	MIRN571|h	microRNA	ncRNA
chr16-172	7.647832	0.311065	0.85244	0.364912	0.715177	0.981636	chr16	1728923	1729817	+	0	NA	intron (N	intron (N	-5615	NR_036138	1E+08		NR_036138	ENSG00000	MIR3177	mir-3177	microRNA	ncRNA
chr7-1572	7.647832	0.311065	0.85244	0.364912	0.715177	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	92445	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr1-9001	8.82847	-0.28968	0.793881	-0.36489	0.715195	0.981636	chr1	90011536	90012442	+	0	NA	intron (N	AluSz6|SI	16879	NM_181781	284695	Hs.306221	NM_181781	ENSG00000	ZNF326	ZAN75|ZIR	zinc fing	protein-coding
chr2-3217	8.82847	-0.28968	0.793881	-0.36489	0.715195	0.981636	chr2	32175688	32175907	+	0	NA	intron (N	AluSz|SIN	9933	NM_017964	55676	Hs.23248	NM_017964	ENSG00000	SLC30A6	MST103|MS	solute ca	protein-coding
chr1-9449	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr1	94498877	94500060	+	0	NA	intron (N	intron (N	42291	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-1847	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	43351	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr11-333	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr11	33347250	33354212	+	0	NA	intron (N	intron (N	-25377	NM_012194	25758	Hs.502266	NM_012194	ENSG00000	KIAA1549L	C11orf41|	KIAA1549	protein-coding
chr12-887	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr12	887499	890708	+	0	NA	intron (N	intron (N	43973	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr14-710	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr14	71033739	71041471	+	0	NA	intron (N	L1PA2|LIN	130146	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr3-3741	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr3	37416301	37419761	+	0	NA	3’ UTR (N	3’ UTR (N	6893	NM_001302	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr5-1461	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	Tigger1|D	20061	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr7-1289	9.69104	0.273472	0.749533	0.364856	0.715219	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	31228	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr1-2237	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L4_B_Mam|	27370	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr10-329	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr10	32904133	32908536	+	0	NA	intron (N	AluSx1|SI	-4862	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr11-186	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr11	18613839	18616500	+	0	NA	exon (NM_	exon (NM_	15380	NR_038360	1.01E+08	Hs.585529	NM_001355	ENSG00000	SPTY2D1OS	SPTY2D1-A	SPTY2D1 c	protein-coding
chr11-351	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr11	35157719	35160377	+	0	NA	intron (N	intron (N	-3902	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-859	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr11	85970165	85972583	+	0	NA	intron (N	intron (N	97710	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-110	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	L2|LINE|L	36275	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr12-269	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr12	26926361	26928483	+	0	NA	intron (N	MER21C|LT	10559	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr12-123	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	14811	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPP	M-phase p	protein-coding
chr15-706	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr15	70674493	70676554	+	0	NA	intron (N	L1ME3|LIN	26759	NM_001008	55075	Hs.108049	NM_018003	ENSG00000	UACA	NUCLING	uveal aut	protein-coding
chr17-311	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr17	31159272	31160391	+	0	NA	intron (N	intron (N	64854	NM_001128	4763	Hs.113577	NM_000267	ENSG00000	NF1	NFNS|VRNF	neurofibr	protein-coding
chr2-1331	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA16|LI	-78321	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-2008	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	THE1D|LTR	6538	NM_001142	60491	Hs.145284	NM_021824	ENSG00000	NIF3L1	ALS2CR1|C	NGG1 inte	protein-coding
chr3-1239	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MER21A|LT	17406	NM_001366	64770	Hs.645028	NM_022757	ENSG00000	CCDC14	-	coiled-co	protein-coding
chr3-1248	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	32352	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr4-8003	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr4	80033207	80033847	+	0	NA	exon (NM_	exon (NM_	39702	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr4-8289	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr4	82893934	82896091	+	0	NA	TTS (NR_1	TTS (NR_1	916	NR_132759	1.07E+08		NR_132759		SNORD143	SNORA96|S	small nuc	snoRNA
chr5-9576	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr5	95766788	95771254	+	0	NA	intron (N	intron (N	-36919	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr7-5514	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr7	55142627	55144839	+	0	NA	intron (N	intron (N	33894	NM_001346	1956	Hs.488293	NM_005228	ENSG00000	EGFR	ERBB|ERBB	epidermal	protein-coding

chr7-1033	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	3891	NM_014377	27000	Hs.558476	NM_014377	ENSG0000	DNAJC2	MPHOSPH11	DnaJ heat	protein-coding
chr7-1079	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	3764	NM_002291	3912	Hs.650585	NM_002291	ENSG0000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr7-1247	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	6668	NM_005302	2861	Hs.406094	NM_005302	ENSG0000	GPR37	EDNRBL|PA	G protein	protein-coding
chr8-1178	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	86249	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr9-1109	8.384579	-0.29285	0.802902	-0.36474	0.715308	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1P1|LINE	104836	NM_001351	1902	Hs.126667	NM_001401	ENSG0000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr12-11	8.152278	0.298722	0.819329	0.364594	0.715414	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	25999	NM_016238	51434	Hs.719935	NM_016238	ENSG0000	ANAPC7	APC7	anaphase	protein-coding
chr12-118	8.152278	0.298722	0.819329	0.364594	0.715414	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	L1ME3Cz|L	-38297	NM_001346	51347	Hs.64442	NM_016281	ENSG0000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr15-906	8.152278	0.298722	0.819329	0.364594	0.715414	0.981636	chr15	90625923	90627170	+	0	NA	intron (N	intron (N	-33688	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG0000	LINC01585	-	long inte	ncRNA
chr5-1191	8.152278	0.298722	0.819329	0.364594	0.715414	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	11302	NR_049892	1.01E+08		NR_049892	ENSG0000	MIR5706	-	microRNA	ncRNA
chr20-509	9.145454	0.281159	0.771581	0.364393	0.715564	0.981636	chr20	50933977	50936564	+	0	NA	intron (N	intron (N	-3833	NM_181442	23394	Hs.293736	NM_015339	ENSG0000	ADNP	ADNP1|HVD	activity	protein-coding
chr17-671	4.6684	-0.40084	1.100371	-0.36428	0.715651	0.981636	chr17	67105175	67105726	+	0	NA	intron (N	L1MB7|LIN	60896	NM_000727	786	Hs.147989	NM_000727	ENSG0000	CACNG1	CACNLG	calcium v	protein-coding
chr4-8807	4.6684	-0.40084	1.100371	-0.36428	0.715651	0.981636	chr4	88077886	88078149	+	0	NA	TTS (NM_	TTS (NM_	70382	NR_156488	5311	Hs.181272	NM_000297	ENSG0000	PKD2	APKD2|PC2	polycysti	protein-coding
chr1-2343	7.714395	0.317942	0.872942	0.364219	0.715694	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	(GA)n|Sim	3383	NM_001301	388753	Hs.23198	NM_001012	ENSG0000	COA6	C1orf31|	cytochrom	protein-coding
chr1-168	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	5381	NR_031702	1E+08		NR_031702	ENSG0000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr10-125	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	exon (NM_	exon (NM_	28765	NM_078469	56647	Hs.370292	NM_016567	ENSG0000	BCCIP	TOK-1|TOK	BRCA2 and	protein-coding
chr12-12	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	TTS (NR_	TTS (NR_	12177	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG0000	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr13-114	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	-39147	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG0000	C13orf46	-	chromosom	protein-coding
chr15-845	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr15	84541387	84543058	+	0	NA	non-codin	non-codin	-25375	NM_001267	643707	Hs.498345	NM_001267	ENSG0000	GOLGA6L4	-	golgin A6	protein-coding
chr17-725	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr17	7254870	7256349	+	0	NA	intron (N	intron (N	3183	NR_145515	23587	Hs.417029	NM_015362	ENSG0000	ELP5	C17orf81|	elongator	protein-coding
chr17-399	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr17	39918996	39923491	+	0	NA	3’ UTR (N	3’ UTR (N	-2593	NM_001165	55876	Hs.306777	NM_01853	ENSG0000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr19-107	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr19	10781506	10790447	+	0	NA	intron (N	AluSx1|SI	5722	NR_039903	1.01E+08		NR_039903	ENSG0000	MIR4748	mir-4748	microRNA	ncRNA
chr19-389	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr19	38906935	38908437	+	0	NA	non-codin	non-codin	4472	NM_001243	643669	Hs.355357	NM_001243	ENSG0000	CCER2	-	coiled-cc	protein-coding
chr19-497	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr19	49791984	49797431	+	0	NA	intron (N	AluSq2|SI	2841	NR_106857	1.02E+08		NR_106857	ENSG0000	MIR6799	hsa-mir-6	microRNA	ncRNA
chr20-40	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr20	4008729	4010446	+	0	NA	intron (N	L2|LINE|L	5971	NM_001134	11237	Hs.547576	NM_007219	ENSG0000	RNF24	G1L	ring fing	protein-coding
chr3-5247	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr3	52479314	52481568	+	0	NA	exon (NM_	exon (NM_	-14897	NM_015136	23166	Hs.301989	NM_015136	ENSG0000	STAB1	CLEVER-1|	stabilin	protein-coding
chr5-9578	9.194452	0.280879	0.771343	0.364142	0.715752	0.981636	chr5	95787825	95788960	+	0	NA	intron (N	intron (N	34334	NM_002064	2745	Hs.28988	NM_002064	ENSG0000	GLRX	GRX|GRX1	glutaredo	protein-coding
chr11-434	7.143386	0.324966	0.892805	0.363983	0.715871	0.981636	chr11	43414275	43414806	+	0	NA	intron (N	intron (N	55620	NM_018259	55761	Hs.191186	NM_018259	ENSG0000	TTC17	-	tetratric	protein-coding
chr6-1465	4.701682	-0.39329	1.080624	-0.36395	0.715898	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	6944	NM_006834	10981	Hs.287714	NM_006834	ENSG0000	RAB32	-	RAB32, me	protein-coding
chr16-302	12.11832	-0.24617	0.676577	-0.36385	0.715974	0.981636	chr16	30265792	30267448	+	0	NA	Intergeni	Intergeni	-18207	NM_001321	613037	Hs.585733	NM_001321	ENSG0000	NPIPB13	-	nuclear p	protein-coding
chr1-211	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr1	21104924	21105487	+	0	NA	intron (N	AluSx|SIN	6178	NM_00376	8672	Hs.467084	NM_00376	ENSG0000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr1-2175	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr1	21753032	21756460	+	0	NA	intron (N	LTR41|LTR	28403	NM_00135	84196	Hs.467524	NM_032236	ENSG0000	USP48	RAP1GA1|U	ubiquitin	protein-coding
chr1-3934	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr1	39345083	39355783	+	0	NA	intron (N	intron (N	-58640	NM_015038	643314	Hs.65876	NM_015038	ENSG0000	KIAA0754	-	KIAA0754	protein-coding
chr1-1679	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	exon (NM_	exon (NM_	-5330	NR_031702	1E+08		NR_031702	ENSG0000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-2351	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	exon (NM_	exon (NM_	8057	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr10-122	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr10	12209878	12212151	+	0	NA	intron (N	intron (N	14826	NM_006023	8872	Hs.412842	NM_006023	ENSG0000	CDC123	C10orf7|D	cell divi	protein-coding
chr15-995	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr15	99599722	99600815	+	0	NA	intron (N	intron (N	-32710	NM_00113	4205	Hs.268675	NM_005587	ENSG0000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr19-163	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr19	16389409	16392539	+	0	NA	intron (N	intron (N	66148	NM_01627	10365	Hs.685136	NM_01627	ENSG0000	KLF2	LKLF	Kruppel l	protein-coding
chr19-376	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr19	37634133	37640119	+	0	NA	intron (N	intron (N	18339	NM_00132	22835	Hs.668737	NM_014898	ENSG0000	ZFP30	ZNF745	ZFP30 zin	protein-coding
chr2-3654	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr2	36547146	36548426	+	0	NA	intron (N	intron (N	50382	NM_001042	9637	Hs.258563	NM_005102	ENSG0000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-1018	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	MIRb|SINE	-116708	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr20-449	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr20	44902638	44903598	+	0	NA	intron (N	intron (N	-6942	NR_134983	80336	Hs.641481	NM_001124	ENSG0000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr3-4263	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr3	42632401	42633861	+	0	NA	intron (N	AluJr4|SI	-20566	NM_145166	92999	Hs.409561	NM_145166	ENSG0000	ZBTB47	ZNF651	zinc fing	protein-coding
chr4-4883	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr4	48833791	48837992	+	0	NA	intron (N	intron (N	4585	NM_001168	54940	Hs.51875	NM_01783	ENSG0000	OCIAD1	ASRIJ|OCI	OCIA doma	protein-coding
chr6-315	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr6	31509296	31511535	+	0	NA	3’ UTR (N	3’ UTR (N	12270	NM_001289	4277	Hs.731446	NM_005931	ENSG0000	MICB	PERB11.2	MHC class	protein-coding
chr8-3845	9.153312	0.279521	0.768394	0.363774	0.716027	0.981636	chr8	38456969	38457436	+	0	NA	intron (N	intron (N	10522	NM_001174	2260	Hs.264887	NM_01585	ENSG0000	FGFR1	BFGFR|CD3	fibroblas	protein-coding
chr2-2004	10.19734	0.274546	0.755371	0.363459	0.716262	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	LTR1D1|LT	33493	NM_001321	130535	Hs.605775	NM_152387	ENSG0000	KCTD18	6530404F1	potassium	protein-coding
chr1-2312	7.97212	-0.30323	0.834328	-0.36345	0.716271	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	exon (NM_	exon (NM_	32783	NM_001316	8443	Hs.498028	NM_014236	ENSG0000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr1-1554	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSx|SIN	18706	NR_03418	645682	Hs.632482	NR_03418	ENSG0000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr1-175	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr1	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	5677	NM_02210	63931	Hs.654858	NM_02210	ENSG0000	MRPS14	COXPD38|D	mitochond	protein-coding
chr11-296	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr11	2964095	2966577	+	0	NA	intron (N	Tigger3a|	-1443	NR_002982	677833	Hs.689696	NR_002982	ENSG0000	SNORA54	ACA54	small nuc	snoRNA
chr14-21	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr14	21076077	21077744	+	0	NA	intron (N	intron (N	-6038	NM_001282	57447	Hs.525205	NM_01625	ENSG0000	NDRG2	SYLD	NDRG fami	protein-coding
chr2-9875	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	9875222	9875575	+	0	NA	intron (N	intron (N	31924	NM_00568	9014	Hs.584833	NM_00568	ENSG0000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-2914	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	29143746	29146166	+	0	NA	intron (N	AluJo|SIN	29541	NM_001287	79745	Hs.122927	NM_024692	ENSG0000	CLIP4	RSNL2	CAP-Gly d	protein-coding
chr2-3899	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	38994781	38996518	+	0	NA	intron (N	Tigger15a	-35305	NR_028386	375196	Hs.659035	NR_028386	ENSG0000	LOC375196	-	uncharact	ncRNA
chr2-7448	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	74480197	74480560	+	0	NA	intron (N	AluJb|SIN	2620	NM_032779	84865	Hs.430199	NM_032779	ENSG0000	CCDC142	-	coiled-cc	protein-coding
chr2-1717	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	50901	NM_00132	1781	Hs.54625	NM_001378	ENSG0000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr2-2082	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	5630	NM_001178	200576	Hs.744997	NM_01504	ENSG0000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr2-2377	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-17775	NM_00108	375316	Hs.607265	NM_198852	ENSG0000	RBM44	-	RNA bindi	protein-coding
chr20-489	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr20	48989230	48992868	+	0	NA	exon (NM_	exon (NM_	55007	NR_110625	1.03E+08	Hs.20900	NR_110624	ENSG0000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr4-1406	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-35722	NR_077215	644962	Hs.67650	NR_077215		TNRC18P1	-	trinucleo	pseudo
chr5-1135	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	53776	NM_001345	64848	Hs.231942	NM_022828	ENSG0000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr5-1771	8.656724	0.287722	0.791765	0.363393	0.716311	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	58725	NM_001365	64324	Hs.106861	NM_022455	ENSG0000	NSD1	ARA267|KM	nuclear r	protein-coding
chr1-7022	9.137596	0.282824	0.778301	0.363387	0.716316	0.981636	chr1	70228386	70230076	+	0	NA	intron (N	intron (N	7851	NM_00135	9295	Hs.479693	NM_004768	ENSG0000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr3-1423	9.137596	0.282824	0.778301	0.363387	0.716316	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	90816	NM_001282	54464	Hs.435103	NM_019001	ENSG0000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr3-3714	8.318015	-0.30144	0.829541	-0.36338	0.716324	0.981636	chr3	37148230	37148554	+	0	NA	intron (N	MER65C|LT	26190	NM_006309	9209	Hs.740522	NM_006309	ENSG0000	LRRFIP2	HUFI-2	LRR bindi	protein-coding
chr4-389	8.861751	-0.28559	0.786385	-0.36316	0.716483	0.981636	chr4	38903251	38904331	+	0	NA	intron (N	intron (N	35759	NR_03030	693159		NR_03030	ENSG0000	MIR574	MIR574-3p	microRNA	ncRNA
chr6-7902	8.861751	-0.28559	0.786385	-0.36316	0.716483	0.981636	chr6	7902776	7904675	+	0	NA	intron (N	intron (N	6352	NM_001145	81567	Hs.150837	NM_022085	ENSG0000	TXNDC5	ENDOPDI|E	thioredox	protein-coding
chr22-214	7.979978	-0.30483	0.83941	-0.36315	0.716496	0.981636	chr22	21478759	21479272	+	0	NA	intron (N	intron (N	11845	NM_001207	645426	Hs.376511	NM_001207	ENSG0000	TMEM191C	-	transmemb	protein-coding
chr1-1824	8.433576	-0.29186	0.803914	-0.36305	0.716565	0.981636	chr1	1824085	1825717	+	0	NA	intron (N	intron (N	-44870	NM_001353	65220	Hs.654792	NM_023018	ENSG0000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr13-363	8.433576	-0.29186	0.803914	-0.36305	0.716565	0.981636	chr13	36311881	36312801	+	0	NA	exon (NM_	exon (NM_	-14486	NM_001144	728591	Hs.656745	NM_001144	ENSG0000	CCDC169	C13orf38	coiled-cc	protein-coding
chr15-422	8.433576	-0.29186	0.803914	-0.36305	0.716565	0.981636	chr15	42210291	42211918	+	0	NA	3’ UTR (N	3’ UTR (N	-2800	NM_015289	23339	Hs.88025	NM_015289	ENSG0000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr17-16	8.433576	-0.29186	0.803914	-0.36305	0.716565	0.981636	chr17	16093263	16093462	+	0	NA	intron (N	intron (N	59834	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr7-9712	8.433576	-0.29186	0.803914	-0.36305	0.716565	0.981636	chr7	971262	973651	+	0	NA	intron (N	intron (N	3093	NM_001031	90639	Hs.121593	NM_001031	ENSG0000	COX19	-	cytochrom	protein-coding
chr18-878	10.70853	-0.26907	0.741982	-0.36264	0.716873	0.981636	chr18	8787532	8787731	+	0	NA	intron (N	intron (N	70250	NM_01521	23255	Hs.70792	NM_01521	ENSG0000	MTCL1	CCDC165|K	microtubu	protein-coding
chr11-134	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr11	13415407	13417393	+	0	NA	intron (N	intron (N	23879	NM_001297	84280	Hs.332382	NM_03232	ENSG0000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr11-119	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	2641	NM_00113	10525	Hs.277704	NM_006389	ENSG0000	HYOU1	GRP-170|C	hypoxia u	protein-coding
chr12-935	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr12	93557973	93559500	+	0	NA	Intergeni	L1PA10|LI	-11233	NM_003877	8835	Hs.485572	NM_003877	ENSG0000	SOCS2	CIS2|Cish	suppresso	protein-coding
chr14-10	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr14	1E+08	1E+08	+	0	NA	intron (N	SVA_D|Ret	21408	NM_00135	283600	Hs.108268	NM_207117	ENSG0000	SLC25A47	C14orf68|	solute ca	protein-coding
chr16-209	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr16	2090270	2093243	+	0	NA	intron (N	CpG	320	NR_135175	1.05E+08	Hs.710709	NR_135175	ENSG0000	LOC105371	-	uncharact	ncRNA
chr17-289	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr17	28906199	28908068	+	0	NA	3’ UTR (N	3’ UTR (N	-4054	NM_144683	147015	Hs.63176	NM_144683	ENSG0000	DHRS13	SDR7C5	dehydroge	protein-coding
chr17-481	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr17	48117125	48117494	+	0	NA	intron (N	AluY|SINE	9724	NM_013323	29916	Hs.15827	NM_013323	ENSG0000	SNX11	-	sorting n	protein-coding
chr18-278	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr18	2783535	2788068	+	0	NA	intron (N	L1MB2|LIN	-61205	NM_032048	84034	Hs.532815	NM_032048	ENSG0000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr18-359	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr18	35974896	35976152	+	0	NA	intron (N	intron (N	2845	NM_031446	83608	Hs.37883	NM_031446	ENSG0000	C18orf21	HsT3108|F	chromosom	protein-coding
chr19-189	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr19	18927620	18928050	+	0	NA	non-codin	non-codin	8120	NM_01907	54555	Hs.143187	NM_01907	ENSG0000	DDX49	Dbp8|R27	DEAD-box	protein-coding
chr22-313	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr22	31335236	31335728	+	0	NA	intron (N	intron (N	133	NR_110542	1.02E+08	Hs.661718	NR_110542	ENSG0000	PIK3IP1-A	-	PIK3IP1 a	ncRNA
chr22-414	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr22	41441948	41444119	+	0	NA	intron (N	intron (N	3768	NM_016272	10766	Hs.474978	NM_016272	ENSG0000	TOB2	APRO5|TOB	transduce	protein-coding
chr3-1225	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	Tigger12A	-6374	NM_001113	165631	Hs.12025	NM_152615	ENSG0000	PARP15	ARTD7|BAL	poly(ADP-	protein-coding
chr4-1246	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	40978	NM_020337	57182	Hs.480694	NM_020337	ENSG0000	ANKRD50	-	ankyrin r	protein-coding
chr5-1347	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluJb|SIN	19529	NM_014829	9879	Hs.406549	NM_014829	ENSG0000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr7-926	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr7	92605657	92606471	+	0	NA	3’ UTR (N	3’ UTR (N	-15674	NM_00104	257415	Hs.18564	NM_152789	ENSG0000	FAM133B	-	family wi	protein-coding
chr9-1326	8.425718	-0.29031	0.80077	-0.36253	0.716954	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	15011	NM_012204	9329	Hs.22302	NM_012204	ENSG0000	GTF3C4	KAT12|TF3	general t	protein-coding
chr15-667	8.820612	-0.28818	0.79509	-0.36245	0.717018	0.981636	chr15	66781137	66781647	+	0	NA	non-codin	non-codin	79156	NR_027654	4091	Hs.153863	NM_005585	ENSG0000	SMAD6	AOVD2|HsT	SMAD fami	protein-coding
chr1-1626	10.18763	0.266869	0.736671	0.362264	0.717155	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	10991	NM_006182	4921	Hs.275757	NM_006182	ENSG0000	DDR2	MIG20a|NT	discoidin	protein-coding
chr8-1059	10.18763	0.266869	0.736671	0.362264	0.717155	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	LTR12|LTR	63370	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr2-9366	7.964262	-0.30159	0.832547	-0.36225	0.717166	0.981636	chr2	9366989	9367794	+	0	NA	intron (N	intron (N	55200	NM_001319	9270	Hs.467662	NM_004763	ENSG0000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-1772	7.964262	-0.30159	0.832547	-0.36225	0.717166	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	1660	NR_036075	1E+08		NR_036075	ENSG0000	MIR3128	mir-3128	microRNA	ncRNA
chr20-939	7.964262	-0.30159	0.832547	-0.36225	0.717166	0.981636	chr20	9395273	9395842	+	0	NA	exon (NM_	exon (NM_	87757	NM_000933	5332	Hs.472101	NM_000933	ENSG0000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr5-1063	7.964262	-0.30159	0.832547	-0.36225	0.717166	0.981636	chr5	10638092	10638431	+	0	NA	intron (N	intron (N	74191	NM_001164	651746	Hs.26039	NM_001164	ENSG0000	ANKRD33B	-	ankyrin r	protein-coding
chr9-863	8.441434	-0.29343	0.810133	-0.3622	0.717204	0.981636	chr9	86309396	86310539	+	0	NA	exon (NM_	exon (NM_	-27429	NM_03094	81689	Hs.449291	NM_03094	ENSG0000	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr1-1835	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	39018	NM_000433	4688	Hs.587558	NM_000433	ENSG0000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr19-368	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr19	36889384	36896437	+	0	NA	non-codin	non-codin	23129	NM_001171	374899	Hs.720312	NM_001037	ENSG0000	ZNF829	-	zinc fing	protein-coding
chr2-1559	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr2	15599827	15600262	+	0	NA	intron (N	L1M3|LINE	8176	NM_004939	1653	Hs.440599	NM_004939	ENSG0000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr3-1021	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr3	10217044	10217419	+	0	NA	intron (N	U6|snRNA|	-31228	NM_01476	9797	Hs.475401	NM_01476	ENSG0000	TATDN2	-	TatD DNas	protein-coding
chr8-2538	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr8	25389136	25389483	+	0	NA	intron (N	intron (N	-27797	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr8-264	9.698898	0.271927	0.751269	0.361957	0.717384	0.981636	chr8	26409281	26410472	+	0	NA	intron (N	intron (N	19463	NM_00133	665	Hs.131226	NM_004331	ENSG0000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr19-344	8.853893	-0.28405	0.784824	-0.36193	0.717402	0.981636	chr19	34495564	34495763	+	0	NA	intron (N	intron (N	13905	NM_00108	126374	Hs.58501	NM_00108	ENSG0000	WTIP	-	WT1 inter	protein-coding
chr2-1597	8.853893	-0.28405	0.784824	-0.36193	0.717402	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	MER52A|LT	4725	NM_001282	64844	Hs.529272	NM_022826	ENSG0000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr2-1865	8.853893	-0.28405	0.784824	-0.36193	0.717402	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	20766	NM_018471	55854	Hs.74118	NM_018471	ENSG0000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr16-507	5.212136	-0.3643	1.007016	-0.36176	0.717532	0.981636	chr16	50789391	50790322	+	0	NA	intron (N	L1ME4a|LI	-16816	NR_146573	1.05E+08		NR_146573	ENSG0000	LINC02168	-	long inte	ncRNA
chr1-6698	10.17977	0.268447	0.7423	0.361642	0.717619	0.981636	chr1	66984684	66985096	+	0	NA	exon (NM_	exon (NM_	54634	NM_001077	57708	Hs.605432	NM_020948	ENSG0000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr16-288	10.17977	0.268447	0.7423	0.361642	0.717619	0.981636	chr16	28867533	28868437	+	0	NA	intron (N	AluSz6|SI	3992	NM_015503	25970	Hs.15744	NM_015503	ENSG0000	SH2B1	PSM|SH2B	SH2B adap	protein-coding
chr1-1199	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	(AACA)n|S	-66822	NM_021794	11085	Hs.283011	NM_021794	ENSG0000	ADAM30	svph4	ADAM meta	protein-coding
chr1-2351	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	Tigger4a|	-3717	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr1-2469	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	18739	NM_015446	25909	Hs.300887	NM_015446	ENSG0000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-621	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr10	6213661	6229949	+	0	NA	intron (N	intron (N	18873	NM_004566	5209	Hs.195471	NM_004566	ENSG0000	PFKFB3	IPFK2|PFK	6-phospho	protein-coding
chr10-501	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr10	50113572	50116511	+	0	NA	intron (N	intron (N	47087	NM_001005	387680	Hs.365286	NM_018232	ENSG0000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-779	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr10	77976683	77982620	+	0	NA	intron (N	intron (N	49864	NM_007055	11128	Hs.436896	NM_007055	ENSG0000	POLR3A	ADDH|HLD7	RNA polym	protein-coding
chr11-108	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA2|LIN	37261	NM_001351	472	Hs.367437	NM_000051	ENSG0000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr11-125	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSq2|SI	10005	NM_00133	9538	Hs.643514	NM_004879	ENSG0000	EI24	EPG4|PIG8	EI24 autc	protein-coding
chr12-721	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr12	7212286	7214020	+	0	NA	intron (N	L1PA3|LIN	22791	NM_000319	5830	Hs.567327	NM_000319	ENSG0000	PEX5	PBD2A|PBD	peroxisom	protein-coding
chr12-49	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr12	49037362	49040294	+	0	NA	exon (NM_	exon (NM_	16496	NM_003482	8085	Hs.731384	NM_003482	ENSG0000	KMT2D	AAD10|ALR	lysine me	protein-coding
chr14-52	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr14	52013685	52016309	+	0	NA	intron (N	intron (N	25451	NM_016039	51637	Hs.534457	NM_016039	ENSG0000	RTRAF	C14orf166	RNA trans	protein-coding
chr14-583	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr14	58346511	58348438	+	0	NA	intron (N	intron (N	-48456	NM_207377	387990	Hs.592307	NM_207377	ENSG0000	TOMM20L	UNQ9438	transloca	protein-coding

chr15-746	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr15	74619669	74631090	+	0	NA	intron (N	intron (N	10385	NM_001130	1198	Hs.511790	NM_001292	ENSG00000	CLK3	PHCLK3|PH	CDC like	protein-coding
chr15-754	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr15	75408753	75413730	+	0	NA	intron (N	AluSx3|SI	40449	NM_015477	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr15-847	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr15	84798161	84802514	+	0	NA	intron (N	MIRc|SINE	-16343	NM_020778	57538	Hs.459183	NM_020778	ENSG00000	ALPK3	CMH27|MAK	alpha kin	protein-coding
chr16-443	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr16	4437090	4447243	+	0	NA	intron (N	intron (N	16298	NM_001135	9093	Hs.459779	NM_005147	ENSG00000	DNAJA3	HCA57|TID	DnaJ heat	protein-coding
chr16-150	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr16	15038820	15041433	+	0	NA	intron (N	intron (N	15948	NM_173474	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAD	N-termina	protein-coding
chr16-156	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr16	15631345	15632530	+	0	NA	intron (N	L1PA8|LIN	11217	NM_014647	9665	Hs.173524	NM_014647	ENSG00000	MARF1	KIAA0430|	meiosis r	protein-coding
chr16-574	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr16	57468917	57471384	+	0	NA	intron (N	intron (N	7471	NM_032940	5432	Hs.79402	NM_002694	ENSG00000	POLR2C	RPB3|RPB3	RNA polym	protein-coding
chr17-408	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr17	4084199	4088752	+	0	NA	intron (N	intron (N	56555	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-130	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr17	13007359	13016306	+	0	NA	intron (N	intron (N	6195	NM_018127	60528	Hs.434232	NM_018127	ENSG00000	ELAC2	COXPD17|E	elaC ribo	protein-coding
chr17-212	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr17	21299604	21305900	+	0	NA	intron (N	L4_A_Mam|	14716	NM_002756	5606	Hs.514012	NM_002756	ENSG00000	MAP2K3	MAPKK3|ME	mitogen-a	protein-coding
chr17-313	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr17	31348972	31350700	+	0	NA	intron (N	intron (N	-28214	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr17-478	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr17	47823382	47827282	+	0	NA	intron (N	AluSq2|SI	-3538	NM_145798	114881	Hs.463320	NM_017731	ENSG00000	OSBPL7	ORP7	oxysterol	protein-coding
chr2-4661	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr2	46619634	46621077	+	0	NA	intron (N	AluJb|SIN	3140	NM_014171	9419	Hs.133998	NM_014171	ENSG00000	CRIPT	HSPC139|S	CXXC repe	protein-coding
chr2-1105	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-49583	NR_027145	1E+08	Hs.535619	NR_027144	ENSG00000	LIMS3-LOC	-	LIMS3-LOC	ncRNA
chr21-462	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr21	46250587	46251456	+	0	NA	non-codin	non-codin	21790	NR_110565	114044	Hs.655095	NR_002776	ENSG00000	MCM3AP-AS	C21orf85|	MCM3AP an	ncRNA
chr22-240	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr22	24084336	24086682	+	0	NA	intron (N	intron (N	74139	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr3-1224	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	17218	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr4-1222	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	53962	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-1387	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr5	13877523	13885158	+	0	NA	intron (N	L1M3de|LI	63140	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1191	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	L1P4|LINE	43893	NR_049892	1.01E+08		NR_049892	ENSG00000	MIR5706	-	microRNA	ncRNA
chr6-2487	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr6	24871638	24875692	+	0	NA	exon (NM_	exon (NM_	3605	NM_015864	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr7-6139	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr7	6139077	6140224	+	0	NA	intron (N	intron (N	32487	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr7-1023	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	L1ME3D|LI	15712	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr8-2302	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr8	23022153	23030648	+	0	NA	intron (N	intron (N	26821	NM_015178	23221	Hs.372688	NM_015178	ENSG00000	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr9-3433	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chr9	34338618	34339227	+	0	NA	intron (N	intron (N	9353	NM_147173	318	Hs.493767	NM_001161	ENSG00000	NUDT2	APAH1	nudix hyd	protein-coding
chrX-1674	9.16117	0.277884	0.768579	0.361555	0.717685	0.981636	chrX	16746929	16748616	+	0	NA	intron (N	L1MC5a|LI	28160	NM_032796	94056	Hs.744256	NM_032796	ENSG00000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr20-410	12.11047	-0.24504	0.678112	-0.36135	0.717835	0.981636	chr20	41099700	41102771	+	0	NA	exon (NM_	exon (NM_	-36308	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PL	phospholi	protein-coding
chr9-1372	12.11047	-0.24504	0.678112	-0.36135	0.717835	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1557	NM_006088	10383	Hs.433615	NM_006088	ENSG00000	TUBB4B	Beta2|LCA	tubulin b	protein-coding
chr1-1552	8.111138	0.29718	0.822757	0.3612	0.71795	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSc|SIN	2177	NM_052837	10067	Hs.200600	NM_005698	ENSG00000	SCAMP3	C1orf3	secretory	protein-coding
chr4-8307	5.219994	-0.36674	1.016283	-0.36086	0.718202	0.981636	chr4	83076598	83077426	+	0	NA	Intergeni	L1MCa|LIN	32877	NM_001130	51316	Hs.546392	NM_016619	ENSG00000	PLAC8	C15|DGIC|	placenta	protein-coding
chr1-1508	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	21090	NM_001286	405	Hs.632446	NM_001668	ENSG00000	ARNT	HIF-1-bet	aryl hydr	protein-coding
chr10-322	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr10	32284580	32287732	+	0	NA	intron (N	intron (N	61002	NM_001272	80314	Hs.167805	NM_025209	ENSG00000	EPC1	Epl1	enhancer	protein-coding
chr10-918	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr10	91833798	91835523	+	0	NA	intron (N	MER5A|DNA	36234	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr14-520	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr14	52065865	52067963	+	0	NA	intron (N	intron (N	2145	NM_007361	22795	Hs.369840	NM_007361	ENSG00000	NID2	NID-2	nidogen 2	protein-coding
chr17-816	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr17	81685643	81689631	+	0	NA	intron (N	intron (N	3626	NM_004712	9146	Hs.661056	NM_004712	ENSG00000	HGS	HRS	hepatocyt	protein-coding
chr2-2328	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-21292	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr5-1343	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	18488	NM_003337	7320	Hs.612096	NM_003337	ENSG00000	UBE2B	E2-17kDa|	ubiquitin	protein-coding
chr7-3583	9.657758	0.27061	0.750279	0.36068	0.718339	0.981636	chr7	35832716	35833975	+	0	NA	intron (N	intron (N	32126	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr1-4336	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr1	43360626	43365518	+	0	NA	TTS (NM_0	TTS (NM_0	1643	NR_106792	1.02E+08		NR_106792	ENSG00000	MIR6734	hsa-mir-6	microRNA	ncRNA
chr10-149	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr10	14906945	14909344	+	0	NA	non-codin	non-codin	29244	NM_024670	79723	Hs.554883	NM_024670	ENSG00000	SUV39H2	KMT1B	suppresso	protein-coding
chr10-679	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr10	67983434	67988774	+	0	NA	intron (N	intron (N	24779	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU class	pseudo
chr12-105	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	(ATATATAT	46719	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr14-609	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr14	60991391	60995043	+	0	NA	intron (N	MIR|SINE|	-11527	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr16-169	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr16	1698229	1698449	+	0	NA	intron (N	intron (N	-7844	NM_001318	23162	Hs.207763	NM_015133	ENSG00000	MAPK8IP3	JIP-3|JIP	mitogen-a	protein-coding
chr17-590	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr17	59087666	59088261	+	0	NA	intron (N	intron (N	18917	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr17-673	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr17	67341154	67344362	+	0	NA	intron (N	AluJr4|SI	23819	NM_002816	5718	Hs.4295	NM_002816	ENSG00000	PSMD12	Rpn5|STIS	proteasom	protein-coding
chr2-9457	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	9457961	9458203	+	0	NA	intron (N	intron (N	-16469	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-3645	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	36458300	36458499	+	0	NA	intron (N	intron (N	102621	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-6648	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	66481802	66485751	+	0	NA	intron (N	intron (N	-43446	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-1597	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	6123	NM_022826	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr2-1725	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	LTR33|LTR	33304	NM_002610	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr2-2034	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	77081	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr22-412	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr22	41214740	41215674	+	0	NA	intron (N	intron (N	2420	NR_148200	1.01E+08	Hs.627409	NR_148200	ENSG00000	LOC100506	-	uncharact	ncRNA
chr3-5225	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr3	52252048	52252625	+	0	NA	Intergeni	AluSp|SIN	6169	NM_001122	132160	Hs.373560	NM_144641	ENSG00000	PPM1M	PP2C-eta|	protein p	protein-coding
chr3-1247	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	5537	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA
chr5-5516	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr5	55161343	55165844	+	0	NA	intron (N	AluSq2|SI	3422	NR_131336	493869	Hs.289044	NM_001008	ENSG00000	GPX8	EPLA847|G	glutathio	protein-coding
chr7-5716	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr7	5716137	5716772	+	0	NA	intron (N	intron (N	-4544	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-2297	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr7	22974474	22977337	+	0	NA	intron (N	AluJr|SIN	38225	NM_032581	84668	Hs.85603	NM_032581	ENSG00000	FAM126A	DRCTNNB1A	family wi	protein-coding
chr7-1077	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	non-codin	non-codin	-15006	NR_144537	1.02E+08	Hs.432792	NR_144536	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-1521	8.41786	-0.28873	0.800597	-0.36065	0.718362	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	87413	NM_001371474								
chr12-122	9.6499	0.272187	0.754769	0.360624	0.718381	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	-54510	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr3-1956	17.33906	0.208778	0.579042	0.360557	0.718431	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	MIRc|SINE	8468	NR_003265	727956	Hs.596261	NR_003265	ENSG00000	SDHAP2	SDHAL2|SD	succinate	pseudo
chr1-2790	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr1	27903385	27904257	+	0	NA	intron (N	FLAM_A|SI	10754	NM_002946	6118	Hs.79411	NM_002946	ENSG00000	RPA2	REPA2|RP-	replicati	protein-coding
chr1-1617	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr1	1.62E+08	1.62E+08	+	0	NA	Intergeni	AluSx1|SI	-6901	NM_007348	22926	Hs.492740	NM_007348	ENSG00000	ATF6	ACHM7|ATF	activatin	protein-coding
chr10-127	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx|SIN	144078	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr11-173	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr11	17302188	17303847	+	0	NA	intron (N	AluY|SINE	26047	NM_001352	4925	Hs.654599	NM_005013	ENSG00000	NUCB2	HEL-S-109	nucleobin	protein-coding
chr11-128	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr11	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	32088	NM_000220	3758	Hs.527830	NM_000220	ENSG00000	KCNJ1	KIR1.1|RO	potassium	protein-coding
chr13-110	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-15799	NR_107040	1.02E+08		NR_107040	ENSG00000	MIR8073	hsa-mir-8	microRNA	ncRNA
chr14-313	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr14	31391323	31391952	+	0	NA	intron (N	Tigger3b|	28913	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-100	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	3225	NR_030528	768222		NR_030528	ENSG00000	MIR770	MIRN770|h	microRNA	ncRNA
chr19-152	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr19	15246540	15247412	+	0	NA	TTS (NM_0	TTS (NM_0	-13929	NM_001142	79852	Hs.156457	NM_024794	ENSG00000	EPHX3	ABHD9|EH3	epoxide h	protein-coding
chr2-1514	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	40498	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-2164	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-20480	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr3-3158	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr3	3158963	3159484	+	0	NA	intron (N	L2a|LINE|	20494	NM_016302	51185	Hs.18925	NM_016302	ENSG00000	CRBN	MRT2|MRT2	cereblon	protein-coding
chr3-4845	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr3	48452420	48452619	+	0	NA	intron (N	AluJr|SIN	5393	NM_001271	84126	Hs.694840	NM_032166	ENSG00000	ATRIP	-	ATR inter	protein-coding
chr3-5138	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr3	51389039	51389823	+	0	NA	TTS (NM_0	TTS (NM_0	-1854	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr3-1794	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	37262	NM_021629	59345	Hs.173030	NM_021629	ENSG00000	GNB4	CMTD1F	G protein	protein-coding
chr4-1192	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	36230	NM_001371396								
chr5-1507	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	L1PA3|LIN	12201	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr7-3297	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr7	32978451	32979316	+	0	NA	promoter-	promoter-	-591	NM_001284	11328	Hs.103934	NM_007270	ENSG00000	FKBP9	FKBP60|FK	FKBP prol	protein-coding
chr9-1369	5.204278	-0.36185	1.004015	-0.36041	0.718543	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluY|SINE	19148	NR_039697	1.01E+08		NR_039697	ENSG00000	MIR4479	-	microRNA	ncRNA
chr11-185	4.096651	0.888455	2.4656	0.36034	0.718593	0.981636	chr11	18560296	18560495	+	0	NA	intron (N	L1ME4b|LI	19123	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr4-7597	7.915264	-0.30256	0.839697	-0.36032	0.718609	0.981636	chr4	75978631	75978857	+	0	NA	intron (N	AluJr|SIN	-2046	NR_125906	1.02E+08	Hs.637575	NR_125906	ENSG00000	LOC101928	-	uncharact	ncRNA
chr1-2782	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr1	27822333	27823725	+	0	NA	3’ UTR (N	3’ UTR (N	-7753	NM_002713	5511	Hs.533474	NM_002713	ENSG00000	PPP1R8	ARD-1|ARD	protein p	protein-coding
chr1-4564	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr1	45647989	45649040	+	0	NA	intron (N	HAL1M8|LI	-1829	NR_026768	728963	Hs.675157	NR_026768		RPS15AP10	RPS15A_4_	ribosomal	pseudo
chr1-1126	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSq2|SI	17088	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr1-2243	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	17991	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr14-348	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr14	34822389	34823479	+	0	NA	intron (N	intron (N	-51257	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr19-341	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr19	3415781	3416086	+	0	NA	intron (N	AluJo|SIN	49350	NM_001245	4782	Hs.170131	NM_005597	ENSG00000	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr2-1731	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L1ME2|LIN	66854	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr2-1732	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	20585	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr5-9700	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr5	97005800	97007110	+	0	NA	exon (NM_	exon (NM_	48022	NM_175920	4012	Hs.527199	NM_005575	ENSG00000	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr6-7570	5.163138	-0.36607	1.016444	-0.36014	0.71874	0.981636	chr6	75700202	75702474	+	0	NA	intron (N	intron (N	-47901	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr1-6247	8.376721	-0.29125	0.808781	-0.3601	0.71877	0.981636	chr1	62475097	62476084	+	0	NA	intron (N	intron (N	38541	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitin	protein-coding
chr1-1698	8.376721	-0.29125	0.808781	-0.3601	0.71877	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	37996	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr17-312	8.376721	-0.29125	0.808781	-0.3601	0.71877	0.981636	chr17	31259796	31260317	+	0	NA	intron (N	MIR3|SINE	37183	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr2-2229	8.376721	-0.29125	0.808781	-0.3601	0.71877	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	69839	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr5-9574	8.376721	-0.29125	0.808781	-0.3601	0.71877	0.981636	chr5	95744280	95745345	+	0	NA	intron (N	AluJb|SIN	-12710	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr11-104	11.64901	-0.25072	0.696451	-0.35999	0.718855	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	HUERS-P1-	3996	NM_033306	837	Hs.138378	NM_001225	ENSG00000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr7-1286	10.23663	0.266713	0.741487	0.359701	0.719071	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	non-codin	non-codin	12881	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr16-306	8.343439	-0.29546	0.821583	-0.35962	0.719131	0.981636	chr16	30653340	30653539	+	0	NA	intron (N	intron (N	2479	NM_024031	78994	Hs.293629	NM_024031	ENSG00000	PRR14	-	proline r	protein-coding
chr2-9257	8.846035	-0.28256	0.78602	-0.35948	0.719232	0.981636	chr2	92573760	92574240	+	0	NA	Intergeni	ALR/Alpha	632867	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-2029	8.846035	-0.28256	0.78602	-0.35948	0.719232	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	12587	NM_001352	79800	Hs.444982	NM_024744	ENSG00000	CARF	ALS2CR8|N	calcium r	protein-coding
chr3-1837	8.846035	-0.28256	0.78602	-0.35948	0.719232	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MER2|DNA|	37318	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 an	ncRNA
chr18-489	10.20334	0.263874	0.734216	0.359395	0.719299	0.981636	chr18	48920222	48921729	+	0	NA	3’ UTR (N	3’ UTR (N	21832	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr1-2522	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr1	25221979	25228819	+	0	NA	intron (N	AluSz|SIN	7103	NM_015484	25949	Hs.20013	NM_015484	ENSG00000	SYF2	CBPIN|NTC	SYF2 pre-	protein-coding
chr1-3094	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr1	30948229	30954869	+	0	NA	intron (N	intron (N	-2344	NR_033295	692235		NR_033295		SNORD103B	U103B	small nuc	snoRNA
chr1-1931	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	2997	NR_031691	1E+08		NR_031691	ENSG00000	MIR1278	MIRN1278|	microRNA	ncRNA
chr1-2351	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSx|SIN	7793	NR_027762	23029	Hs.535224	NM_015014	ENSG00000	RBM34	-	RNA bindi	protein-coding
chr11-111	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJo|SIN	6009	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr12-121	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJo|SIN	12295	NR_048555	5715	Hs.131151	NM_002813	ENSG00000	PSMD9	Rpn4|p27	proteasom	protein-coding
chr12-122	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx|SIN	-17346	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr15-486	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr15	48606096	48609422	+	0	NA	intron (N	intron (N	38029	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr16-469	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr16	46962486	46970366	+	0	NA	intron (N	MER3|DNA|	7248	NM_005880	10294	Hs.368078	NM_005880	ENSG00000	DNAJA2	CPR3|DJ3|	DnaJ heat	protein-coding
chr16-674	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr16	67438351	67439433	+	0	NA	intron (N	intron (N	7771	NM_000196	3291	Hs.1376	NM_000196	ENSG00000	HSD11B2	AME|AME1|	hydroxyst	protein-coding
chr17-375	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr17	37537033	37541448	+	0	NA	exon (NM_	exon (NM_	49349	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr17-423	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr17	42326684	42341308	+	0	NA	exon (NM_	exon (NM_	45940	NM_001288	6776	Hs.437058	NM_003152	ENSG00000	STAT5A	MGF|STAT5	signal tr	protein-coding
chr17-469	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr17	46929939	46938794	+	0	NA	intron (N	AluJb|SIN	11206	NR_148351	9570	Hs.463278	NM_004287	ENSG00000	GOSR2	Bos1|EPM6	golgi SNA	protein-coding
chr18-575	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr18	57599802	57615779	+	0	NA	intron (N	intron (N	14046	NM_004539	4677	Hs.465224	NM_004539	ENSG00000	NARS	ASNRS|NAR	asparagin	protein-coding
chr2-1349	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	35043	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr21-269	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr21	26927428	26927975	+	0	NA	intron (N	L2a|LINE|	-26260	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr4-1435	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-13419	NR_003675	441046	Hs.135705	NM_001011	ENSG00000	GUSBP5	GYPELOC44	GUSB pseu	pseudo
chr5-9594	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr5	95949920	95961057	+	0	NA	intron (N	intron (N	6363	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding

chr6-3166	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr6	31666725	31673574	+	0	NA	promoter-	promoter-	-802	NM_021221	58496	Hs.708719	NM_021221	ENSG00000	LY6G5B	C6orf19|C	lymphocyt	protein-coding
chr9-1253	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	non-codin	non-codin	101980	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1308	9.665616	0.269057	0.748934	0.359253	0.719406	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	21689	NM_198180	347148	Hs.660704	NM_198180	ENSG00000	QRFP	26RFa|P51	pyrogluta	protein-coding
chr17-601	8.615584	0.286241	0.796917	0.359186	0.719456	0.981636	chr17	60189413	60191065	+	0	NA	intron (N	MSTB2|LTR	40266	NM_000717	762	Hs.89485	NM_000717	ENSG00000	CA4	CAIV|Car4	carbonic	protein-coding
chr9-6922	8.615584	0.286241	0.796917	0.359186	0.719456	0.981636	chr9	69227855	69228326	+	0	NA	exon (NM_	exon (NM_	22935	NM_001369	9414	Hs.50382	NM_004817	ENSG00000	TJP2	C9DUPq21.	tight jur	protein-coding
chr1-2473	8.697864	0.289022	0.804948	0.359056	0.719553	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	2737	NM_001329	84838	Hs.168677	NM_032752	ENSG00000	ZNF496	NIZP1|ZFF	zinc fing	protein-coding
chr20-463	8.697864	0.289022	0.804948	0.359056	0.719553	0.981636	chr20	46371829	46373297	+	0	NA	intron (N	AluSq2|SI	-8105	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA39402.1	solute ca	protein-coding
chr8-1302	7.61455	0.307402	0.85615	0.359051	0.719557	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	82725	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr15-844	8.607726	0.287946	0.802386	0.358862	0.719698	0.981636	chr15	84483361	84483560	+	0	NA	intron (N	intron (N	-19115	NR_033787	440299	Hs.454641	NR_033787		DNM1P41	DNM1DN11-	dynamin 1	pseudo
chr2-3190	8.607726	0.287946	0.802386	0.358862	0.719698	0.981636	chr2	31902042	31902338	+	0	NA	intron (N	AluSz6|SI	-98210	NR_146994	1.05E+08	Hs.580386	NR_146994	ENSG00000	LINC01946	-	long inte	ncRNA
chr9-9766	9.20231	0.279208	0.778431	0.35868	0.719834	0.981636	chr9	97669845	97670200	+	0	NA	intron (N	AluSx1|SI	27387	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr10-687	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr10	68723258	68726559	+	0	NA	intron (N	AluSp|SIN	3669	NM_001282	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr11-145	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr11	14506285	14507980	+	0	NA	intron (N	MLT1H1|LT	-7237	NM_001144	1315	Hs.339278	NM_016451	ENSG00000	COPB1	COPB	coatomer	protein-coding
chr12-114	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	(ATGG)n|S	45418	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr14-390	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr14	39029480	39033835	+	0	NA	TTS (NM_0	TTS (NM_0	-71483	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A ar	ncRNA
chr15-944	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr15	94401605	94403163	+	0	NA	intron (N	intron (N	46454	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr16-564	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr16	56408350	56408993	+	0	NA	intron (N	intron (N	16318	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr19-217	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr19	21726382	21728397	+	0	NA	exon (NM_	exon (NM_	-23356	NR_024523	641367	Hs.680128	NR_024523	ENSG00000	LOC641367	-	cyclin Y	pseudo
chr2-1748	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	25125	NM_001206	1123	Hs.380138	NM_001822	ENSG00000	CHN1	ARHGAP2|C	chimerin	protein-coding
chr5-1379	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSx|SIN	58190	NM_014386	27039	Hs.716884	NM_014386	ENSG00000	PKD2L2	TRPP5	polycysti	protein-coding
chr7-1010	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	3005	NM_030961	81844	Hs.521092	NM_030961	ENSG00000	TRIM56	RNF109	tripartit	protein-coding
chr7-1050	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz6|SI	27861	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1342	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	21710	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr8-1439	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-4683	NM_000445	5339	Hs.434248	NM_000445	ENSG00000	PLEC	EBS1|EBSM	plectin	protein-coding
chr9-6570	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chr9	65700251	65701509	+	0	NA	intron (N	intron (N	24952	NM_001363	220869	Hs.355950	NM_001024	ENSG00000	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chrX-2717	8.887175	-0.28012	0.78136	-0.3585	0.719967	0.981636	chrX	2717452	2721181	+	0	NA	intron (N	intron (N	28021	NM_002414	4267	Hs.653349	NM_002414	ENSG00000	CD99	HBA71|MIC	CD99 mole	protein-coding
chr12-194	12.1516	-0.24328	0.678621	-0.3585	0.719972	0.981636	chr12	1944520	1946990	+	0	NA	TTS (NM_1	TTS (NM_1	-9179	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr7-1003	8.895033	-0.28166	0.785696	-0.35849	0.719979	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluJr|SIN	-7535	NR_036569	1.02E+08	Hs.521075	NR_036569	ENSG00000	STAG3L5P-	FDFACT|LC	STAG3L5P-	ncRNA
chr11-639	8.664582	0.285904	0.79755	0.358478	0.719986	0.981636	chr11	63990944	63991669	+	0	NA	intron (N	intron (N	5453	NR_003089	55611	Hs.473788	NM_017670	ENSG00000	OTUB1	HSPC263|C	OTU deubi	protein-coding
chr15-504	8.664582	0.285904	0.79755	0.358478	0.719986	0.981636	chr15	50471988	50472187	+	0	NA	intron (N	AluSx|SIN	47682	NM_001128	9101	Hs.443731	NM_005154	ENSG00000	USP8	HumORF8|F	ubiquitir	protein-coding
chr19-880	8.664582	0.285904	0.79755	0.358478	0.719986	0.981636	chr19	8806994	8807527	+	0	NA	3' UTR (N	3' UTR (N	14803	NM_001304	148156	Hs.349444	NM_144693	ENSG00000	ZNF558	-	zinc fing	protein-coding
chr9-9545	8.664582	0.285904	0.79755	0.358478	0.719986	0.981636	chr9	95455464	95456847	+	0	NA	intron (N	intron (N	-7454	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr16-197	8.160136	0.296698	0.82791	0.35837	0.720066	0.981636	chr16	1975685	1976834	+	0	NA	exon (NM_	exon (NM_	4206	NM_006453	10607	Hs.513267	NM_006453	ENSG00000	TBL3	SAZD|UTP1	transduci	protein-coding
chr2-1342	8.160136	0.296698	0.82791	0.35837	0.720066	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	16907	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr4-1027	8.160136	0.296698	0.82791	0.35837	0.720066	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	MER11A|LT	41667	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr22-362	12.61306	-0.23805	0.665317	-0.35781	0.720489	0.981636	chr22	36279776	36301624	+	0	NA	intron (N	SVA_C|Ret	-3793	NR_106877	1.02E+08		NR_106877	ENSG00000	MIR6819	hsa-mir-6	microRNA	ncRNA
chr5-5451	12.61306	-0.23805	0.665317	-0.35781	0.720489	0.981636	chr5	54518523	54522735	+	0	NA	3' UTR (N	3' UTR (N	2870	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting r	protein-coding
chr12-534	8.623442	0.284511	0.795241	0.357767	0.720518	0.981636	chr12	53400008	53400207	+	0	NA	intron (N	L1MB8|LIN	19463	NM_003109	6667	Hs.620754	NM_003109	ENSG00000	SP1	-	Sp1 trans	protein-coding
chr17-819	8.623442	0.284511	0.795241	0.357767	0.720518	0.981636	chr17	81911827	81913032	+	0	NA	exon (NM_	exon (NM_	-1030	NM_001330	5833	Hs.569843	NM_002861	ENSG00000	PCYT2	ET	phosphate	protein-coding
chr3-1605	8.623442	0.284511	0.795241	0.357767	0.720518	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	promoter-	promoter-	-668	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr1-1930	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr1	19305332	19308423	+	0	NA	intron (N	intron (N	5269	NM_003689	8574	Hs.571886	NM_003689	ENSG00000	AKR7A2	AFAR|AFAR	aldo-keto	protein-coding
chr1-1799	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	42336	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2258	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	20355	NM_014698	9725	Hs.119387	NM_014698	ENSG00000	TMEM63A	KIAA0792	transmemb	protein-coding
chr11-638	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr11	63818104	63825791	+	0	NA	intron (N	AluJo|SIN	8491	NM_138471	144097	Hs.502793	NM_138471	ENSG00000	SPINDOC	C11orf84|	spindlin	protein-coding
chr11-777	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr11	77730944	77731852	+	0	NA	intron (N	THE1B-int	89436	NM_016578	51773	Hs.420229	NM_016578	ENSG00000	RSF1	HBXAP|RSF	remodelir	protein-coding
chr12-530	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr12	53074208	53075903	+	0	NA	intron (N	intron (N	4335	NM_032840	84926	Hs.343334	NM_032840	ENSG00000	SPRYD3	-	SPRY doma	protein-coding
chr12-543	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr12	54345510	54350489	+	0	NA	intron (N	intron (N	-5692	NR_120486	1.03E+08	Hs.670941	NR_120486	ENSG00000	LOC102724	-	uncharact	ncRNA
chr13-480	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr13	48041451	48041650	+	0	NA	TTS (NM_0	TTS (NM_0	3824	NM_018283	55270	Hs.144407	NM_018283	ENSG00000	NUDT15	MTH2|NUDT	nudix hyd	protein-coding
chr15-780	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr15	78000157	78003227	+	0	NA	exon (NM_	exon (NM_	-7467	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr15-841	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr15	84186664	84189201	+	0	NA	Intergeni	MamGypLTR	-3916	NR_033738	440300	Hs.546565	NR_033738		LOC440300	-	chondroit	pseudo
chr17-784	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr17	7847329	7852874	+	0	NA	exon (NM_	exon (NM_	-4965	NM_203411	92162	Hs.389669	NM_203411	ENSG00000	TMEM88	-	transmemb	protein-coding
chr17-172	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr17	17268328	17270744	+	0	NA	intron (N	AluSz6|SI	11162	NM_001199	8533	Hs.6076	NM_003653	ENSG00000	COPS3	CSN3|SGN3	COP9 sigr	protein-coding
chr18-459	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr18	45924999	45925907	+	0	NA	intron (N	AluSz6|SI	41876	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr19-138	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr19	13812783	13813594	+	0	NA	intron (N	intron (N	17745	NM_023072	65249	Hs.466015	NM_023072	ENSG00000	ZSWIM4	-	zinc fing	protein-coding
chr19-152	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr19	15237620	15240054	+	0	NA	exon (NM_	exon (NM_	-5790	NM_001142	79852	Hs.156457	NM_024794	ENSG00000	EPHX3	ABHD9|EH3	epoxide h	protein-coding
chr19-477	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr19	47750854	47759032	+	0	NA	promoter-	promoter-	-910	NR_003048	692091	Hs.745561	NR_003048	ENSG00000	SNORD23	HBII-115	small nuc	snoRNA
chr19-573	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr19	57353320	57359148	+	0	NA	exon (NM_	exon (NM_	4960	NM_001290	57343	Hs.287374	NM_020657	ENSG00000	ZNF304	-	zinc fing	protein-coding
chr20-489	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr20	48994280	48999800	+	0	NA	intron (N	intron (N	49016	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr22-497	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr22	49796536	49798978	+	0	NA	intron (N	intron (N	26574	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr5-1322	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	14166	NM_003687	8572	Hs.424312	NM_003687	ENSG00000	PDLIM4	RIL	PDZ and L	protein-coding
chr7-5355	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr7	5355080	5361995	+	0	NA	intron (N	AluSx1|SI	65009	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinucleo	protein-coding
chr7-7556	9.169028	0.276217	0.772138	0.357731	0.720545	0.981636	chr7	75562257	75563428	+	0	NA	intron (N	intron (N	-34719	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr1-1499	9.706756	0.270377	0.756152	0.357569	0.720666	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx|SIN	-33596	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr12-270	3.957262	0.40823	1.14197	0.357479	0.720734	0.981636	chr12	27033683	27034280	+	0	NA	Intergeni	L1MDa|LIN	11423	NM_004264	9412	Hs.286145	NM_004264	ENSG00000	MED21	SRB7|SURE	mediator	protein-coding
chr1-1853	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	8108	NM_006469	10625	Hs.497183	NM_006469	ENSG00000	IVNS1ABP	ARA3|FLAR	influenza	protein-coding
chr10-320	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr10	32045173	32047602	+	0	NA	intron (N	L2|LINE|L	10038	NM_004521	3799	Hs.327736	NM_004521	ENSG00000	KIF5B	HEL-S-61|	kinesin f	protein-coding
chr10-684	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr10	68400100	68401649	+	0	NA	intron (N	AluY|SINE	6315	NM_017987	55680	Hs.653144	NM_017987	ENSG00000	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr11-466	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr11	46665959	46666423	+	0	NA	intron (N	intron (N	34428	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr12-296	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr12	29631536	29633337	+	0	NA	intron (N	THE1C|LTR	-132743	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr12-437	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr12	43799632	43803318	+	0	NA	intron (N	intron (N	4842	NM_001242	5756	Hs.189075	NM_002822	ENSG00000	TWF1	A6|PTK9	twinfilir	protein-coding
chr12-519	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr12	51984122	51984524	+	0	NA	intron (N	intron (N	-22623	NM_181711	160622	Hs.407202	NM_181711	ENSG00000	GRASP	TAMALIN	general r	protein-coding
chr12-112	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	5099	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr14-520	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr14	52000845	52003602	+	0	NA	intron (N	intron (N	12677	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr14-523	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr14	52321232	52324134	+	0	NA	intron (N	MER11A|LT	8371	NM_000956	5732	Hs.2090	NM_000956	ENSG00000	PTGER2	EP2	prostagla	protein-coding
chr2-8646	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr2	86466327	86467948	+	0	NA	intron (N	intron (N	25676	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1126	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	6531	NM_005415	6574	Hs.187946	NM_005415	ENSG00000	SLC20A1	GLVR1|Glv	solute ca	protein-coding
chr2-2005	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1PA3|LIN	8622	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr3-1232	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	8824	NM_012430	26984	Hs.477361	NM_012430	ENSG00000	SEC22A	SEC22L2	SEC22 hom	protein-coding
chr3-1605	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSx|SIN	12231	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr3-1612	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	exon (NM_	exon (NM_	13482	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr4-2453	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr4	24538961	24542641	+	0	NA	intron (N	intron (N	-20511	NR_030299	693158		NR_030299	ENSG00000	MIR573	MIRN573|h	microRNA	ncRNA
chr5-1414	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr5	14143914	14146219	+	0	NA	intron (N	CpG	1724	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr6-5664	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr6	56640195	56642151	+	0	NA	intron (N	intron (N	1716	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr8-7204	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr8	72048533	72051154	+	0	NA	intron (N	Charlie8|	25741	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr8-1175	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	12644	NM_001363	90390	Hs.492612	NM_080651	ENSG00000	MED30	MED30S|TF	mediator	protein-coding
chr9-9991	8.410002	-0.28713	0.803397	-0.35739	0.720797	0.981636	chr9	99916961	99917204	+	0	NA	intron (N	intron (N	10428	NM_017919	55014	Hs.704031	NM_017919	ENSG00000	STX17	-	syntaxin	protein-coding
chr14-746	10.1622	0.26261	0.734865	0.357358	0.720824	0.981636	chr14	74663185	74663931	+	0	NA	3' UTR (N	3' UTR (N	49522	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr21-465	10.1622	0.26261	0.734865	0.357358	0.720824	0.981636	chr21	46570165	46572953	+	0	NA	TTS (NM_0	TTS (NM_0	33523	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr1-2116	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr1	21168187	21170890	+	0	NA	intron (N	intron (N	-1499	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr1-2873	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr1	28738597	28748043	+	0	NA	exon (NM_	exon (NM_	6380	NM_001172	51441	Hs.532286	NM_016258	ENSG00000	YTHDF2	CAHL|HGRG	YTH N6-me	protein-coding
chr1-2201	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	MLT1F2|LT	-36137	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-248	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr10	248271	250158	+	0	NA	3' UTR (N	3' UTR (N	69220	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr11-665	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr11	66599150	66599812	+	0	NA	exon (NM_	exon (NM_	6296	NM_005125	9973	Hs.502917	NM_005125	ENSG00000	CCS	-	copper ch	protein-coding
chr12-112	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-70151	NM_001347	22895	Hs.21239	NM_014954	ENSG00000	RPH3A	-	rabphilir	protein-coding
chr15-644	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr15	64413376	64414760	+	0	NA	intron (N	intron (N	26232	NM_001321	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr17-723	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr17	7235403	7236453	+	0	NA	intron (N	intron (N	-1411	NM_004422	1856	Hs.118640	NM_004422	ENSG00000	DVL2	-	dishevell	protein-coding
chr17-155	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr17	15515642	15518971	+	0	NA	intron (N	intron (N	46177	NM_001204	1.01E+08	Hs.164595	NM_001204	ENSG00000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chr18-130	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr18	13008963	13009890	+	0	NA	intron (N	intron (N	18064	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr2-1121	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr2	11219388	11221957	+	0	NA	intron (N	intron (N	65205	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-1961	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	33439	NM_004226	9262	Hs.88297	NM_004226	ENSG00000	STK17B	DRAK2	serine/th	protein-coding
chr2-2239	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	9254	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|I	mitochonc	protein-coding
chr2-2297	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-57874	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr20-265	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr20	2653459	2658433	+	0	NA	promoter-	promoter-	-151	NR_004399	692201		NR_004399	ENSG00000	SNORD86	U86	small nuc	snoRNA
chr3-1424	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MC|LINE	37659	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5'-3' exc	protein-coding
chr3-1837	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	L1M5|LINE	29651	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr9-1322	8.879317	-0.27861	0.779807	-0.35728	0.72088	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	71443	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr11-655	8.902891	-0.28326	0.792949	-0.35722	0.720927	0.981636	chr11	65597597	65598896	+	0	NA	3' UTR (N	3' UTR (N	-2250	NM_005714	10089	Hs.175218	NM_005714	ENSG00000	KCNK7	K2p7.1|TW	potassium	protein-coding
chr11-652	7.387244	-0.32431	0.908055	-0.35715	0.720983	0.981636	chr11	65203889	65204399	+	0	NA	intron (N	L2c|LINE|	-9696	NR_033396	440044	Hs.532372	NM_001004	ENSG00000	SLC22A20F	Oat6|SLC2	solute ca	pseudo
chr1-1111	7.65569	0.30876	0.864671	0.357084	0.721029	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	MSTB1|LTR	-15439	NM_001007	10390	Hs.363572	NM_006090	ENSG00000	CEPT1	-	choline/e	protein-coding
chr3-5025	7.65569	0.30876	0.864671	0.357084	0.721029	0.981636	chr3	50253355	50253773	+	0	NA	intron (N	AluY|SINE	6654	NM_001166	2771	Hs.77269	NM_002070	ENSG00000	GNAI2	GIP|GNAI2	G proteir	protein-coding
chr21-178	12.14375	-0.24216	0.678403	-0.35696	0.721123	0.981636	chr21	17807956	17809269	+	0	NA	intron (N	MSTA-int|	10744	NM_001100	54149	Hs.293811	NM_017447	ENSG00000	C21orf91	C21orf14|	chromosom	protein-coding
chr1-2736	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr1	27360736	27361617	+	0	NA	exon (NM_	exon (NM_	5785	NM_004672	9064	Hs.194694	NM_004672	ENSG00000	MAP3K6	ASK2|MAPK	mitogen-a	protein-coding
chr1-9261	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr1	92615843	92616221	+	0	NA	intron (N	HERVL-int	-129107	NM_005263	2672	Hs.73172	NM_005263	ENSG00000	GFI1	GFI-1|GFI	growth fa	protein-coding
chr10-925	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr10	92529057	92530204	+	0	NA	intron (N	FLAM_C|SI	-31869	NM_001165	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin c	protein-coding
chr12-423	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr12	42393613	42394411	+	0	NA	intron (N	intron (N	62214	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr14-584	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr14	58440099	58441579	+	0	NA	intron (N	L1MA9|LIN	1158	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr15-297	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr15	29779806	29781672	+	0	NA	intron (N	HAL1M8|LI	39935	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jur	protein-coding
chr16-437	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr16	4379460	4380451	+	0	NA	intron (N	AluSx1|SI	8107	NM_138440	114990	Hs.372579	NM_138440	ENSG00000	VASN	SLITL2	vasorin	protein-coding
chr17-425	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr17	42575180	42575926	+	0	NA	intron (N	intron (N	2163	NM_001256	29893	Hs.383019	NM_013290	ENSG00000	PSMC3IP	GT198|HOP	PSMC3 int	protein-coding
chr2-2004	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	20043951	20044980	+	0	NA	intron (N	intron (N	7163	NM_014713	9741	Hs.467807	NM_014713	ENSG00000	LAPTM4A	HUMORF13|	lysosomal	protein-coding
chr2-2708	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	27083221	27083933	+	0	NA	exon (NM_	exon (NM_	-3195	NM_000221	3795	Hs.567297	NM_000221	ENSG00000	KHK	-	ketohexok	protein-coding
chr2-3338	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	33381457	33383537	+	0	NA	intron (N	intron (N	-36019	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-3926	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	39267344	39268254	+	0	NA	intron (N	L1M5|LINE	-23816	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin d	protein-coding

chr2-1179	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	L1PA4|LIN	90149	NR_158150	1.08E+08		NR_158150		LOC107985	-	uncharact	ncRNA
chr2-1282	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MB3|LIN	20681	NM_004807	9394	Hs.512841	NM_004807	ENSG00000	HS6ST1	HH15|HS6S	heparan s	protein-coding
chr2-1613	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	-47915	NM_006593	10716	Hs.210862	NM_006593	ENSG00000	TBR1	IDDAS|TBR	T-box bra	protein-coding
chr20-184	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr20	18471032	18471997	+	0	NA	TTS (NR_0	TTS (NR_0	899	NR_036160	1E+08		NR_036160	ENSG00000	MIR3192	mir-3192	microRNA	ncRNA
chr22-457	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr22	45733554	45733941	+	0	NA	intron (N	AluSx1|SI	-26777	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-3784	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr3	37843728	37844645	+	0	NA	intron (N	L1PA6|LIN	17594	NR_110532	1.02E+08	Hs.657314	NR_110531	ENSG00000	ITGA9-AS1	-	ITGA9 ant	ncRNA
chr3-4705	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr3	47052554	47053829	+	0	NA	intron (N	intron (N	41649	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr3-5140	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr3	51402095	51403651	+	0	NA	intron (N	MER58A|DN	11588	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr3-5758	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr3	57585101	57585859	+	0	NA	intron (N	intron (N	11864	NM_001660	378	Hs.652183	NM_001660	ENSG00000	ARF4	ARF2	ADP ribos	protein-coding
chr3-1422	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	14235	NM_001039	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr4-3090	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr4	3090911	3093563	+	0	NA	intron (N	AluSx3|SI	17556	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr5-7357	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr5	73571409	73572973	+	0	NA	intron (N	intron (N	6448	NM_032175	84135	Hs.406703	NM_032175	ENSG00000	UTP15	NET21	UTP15 sma	protein-coding
chr5-1029	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MA4A|LI	116945	NM_000919	5066	Hs.369430	NM_000919	ENSG00000	PAM	PAL|PHM	peptidylg	protein-coding
chr7-3301	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr7	33017029	33018858	+	0	NA	intron (N	FLAM_A|SI	22963	NM_001356	51251	Hs.487933	NM_016489	ENSG00000	NT5C3A	NT5C3|P5’	5’-nucleo	protein-coding
chr7-1574	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSp|SIN	64388	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr9-1908	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr9	19080862	19081624	+	0	NA	intron (N	intron (N	-17457	NR_003009	677776	Hs.689635	NR_003009	ENSG00000	SCARNA8	U92	small Ca	ncRNA
chr9-2201	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chr9	22016084	22016740	+	0	NA	intron (N	L1P1|LINE	-7099	NM_078487	1030	Hs.72901	NM_004936	ENSG00000	CDKN2B	CDK4I|INK	cyclin de	protein-coding
chrX-1685	5.19642	-0.35935	1.007005	-0.35685	0.721201	0.981636	chrX	16853268	16854530	+	0	NA	intron (N	AluSz|SIN	15964	NM_001198	5931	Hs.495755	NM_002893	ENSG00000	RBBP7	RbAp46	RB bindir	protein-coding
chr10-245	8.599869	0.289657	0.811952	0.356742	0.721285	0.981636	chr10	24590256	24590455	+	0	NA	non-codir	non-codir	32488	NM_001367	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr17-401	10.15435	0.264147	0.740487	0.35672	0.721302	0.981636	chr17	40167563	40168372	+	0	NA	intron (N	intron (N	6034	NR_106926	1.02E+08		NR_106926	ENSG00000	MIR6866	hsa-mir-6	microRNA	ncRNA
chr1-1681	10.17006	0.261115	0.73221	0.356612	0.721382	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	20910	NM_001031	261726	Hs.209431	NM_152902	ENSG00000	TIPRL	TIP|TIP41	TOR signa	protein-coding
chr15-671	10.17006	0.261115	0.73221	0.356612	0.721382	0.981636	chr15	67164807	67167187	+	0	NA	promoter-	promoter-	-158	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr19-367	10.17006	0.261115	0.73221	0.356612	0.721382	0.981636	chr19	36744912	36753847	+	0	NA	exon (NM_	exon (NM_	23428	NM_001193	342892	Hs.406307	NM_001193	ENSG00000	ZNF850	ZNF850P	zinc fing	protein-coding
chr5-1685	10.17006	0.261115	0.73221	0.356612	0.721382	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (N	FRAM|SINE	-11111	NM_001355	345630	Hs.166262	NM_001355	ENSG00000	FBLL1	-	fibrillar	protein-coding
chr1-2089	10.70779	0.25661	0.71968	0.356561	0.721421	0.981636	chr1	20892353	20893591	+	0	NA	intron (N	AluJr|SIN	95460	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr16-879	5.640311	-0.34801	0.976241	-0.35648	0.72148	0.981636	chr16	87977801	87978545	+	0	NA	intron (N	L1ME4a|LI	8155	NM_001173	54971	Hs.461705	NM_017869	ENSG00000	BANP	BEND1|SMA	BTG3 asso	protein-coding
chr17-369	5.640311	-0.34801	0.976241	-0.35648	0.72148	0.981636	chr17	36969067	36969999	+	0	NA	intron (N	HAL1|LINE	20579	NM_012138	26574	Hs.195740	NM_012138	ENSG00000	AATF	BFR2|CHE-	apoptosis	protein-coding
chr1-1444	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	L1P2|LINE	20699	NR_104076	1.02E+08		NR_104076	ENSG00000	RNVU1-15	RNU1-121|	RNA, vari	snRNA
chr1-1542	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSg4|SI	-5299	NM_006118	10456	Hs.199625	NM_006118	ENSG00000	HAX1	HCLSBP1|H	HCLS1 ass	protein-coding
chr1-1627	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-20541	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-2199	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-57945	NR_046437	55532	Hs.284450	NM_018713	ENSG00000	SLC30A10	HMDPC|HMN	solute ca	protein-coding
chr10-588	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr10	5881608	5886510	+	0	NA	exon (NM_	exon (NM_	-5513	NM_001258	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|FB	F-box DNA	protein-coding
chr11-459	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr11	45978509	45979247	+	0	NA	intron (N	intron (N	56222	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|	LARGE xyl	protein-coding
chr11-722	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr11	72228292	72235877	+	0	NA	intron (N	intron (N	7317	NM_001567	3636	Hs.523875	NM_001567	ENSG00000	INPPL1	OPSMD|SHI	inositol	protein-coding
chr12-486	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr12	48653210	48656636	+	0	NA	promoter-	promoter-	-393	NR_031623	1E+08		NR_031623	ENSG00000	MIR1291	MIRN1291|	microRNA	ncRNA
chr12-108	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	8920	NM_007076	11153	Hs.661891	NM_007076	ENSG00000	FICD	HIP13|HYP	FIC domai	protein-coding
chr12-118	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	L2b|LINE|	14463	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr14-102	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MC5a|LI	39333	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr16-898	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr16	89882253	89891449	+	0	NA	intron (N	AluSx1|SI	13259	NM_014972	22980	Hs.415342	NM_014972	ENSG00000	TCF25	FKSG26|Hu	transcrip	protein-coding
chr17-156	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr17	15625940	15636711	+	0	NA	intron (N	L1MC4a|LI	-11621	NM_001282	374286	Hs.548021	NM_006382	ENSG00000	CDRT1	C17ORF1|C	CMT1A dup	protein-coding
chr17-672	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr17	67236518	67238977	+	0	NA	intron (N	AluSz|SIN	-7029	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr19-980	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr19	9809611	9811938	+	0	NA	3’ UTR (N	3’ UTR (N	8305	NM_001316	54850	Hs.12439	NM_017703	ENSG00000	FBXL12	Fbl12	F-box anc	protein-coding
chr19-439	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr19	43991427	43997463	+	0	NA	intron (N	MER77B|LT	8425	NR_110727	1.02E+08	Hs.502127	NR_110727	ENSG00000	LOC101928	-	uncharact	ncRNA
chr19-535	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr19	53571660	53579819	+	0	NA	intron (N	AluSx1|SI	20432	NM_001079	55422	Hs.185674	NM_018555	ENSG00000	ZNF331	RITA|ZNF3	zinc fing	protein-coding
chr20-385	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr20	3854181	3866109	+	0	NA	intron (N	intron (N	13311	NR_037921	57506	Hs.570362	NM_020746	ENSG00000	MAVS	CARDIF|IP	mitochonc	protein-coding
chr22-302	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr22	30240893	30246086	+	0	NA	3’ UTR (N	3’ UTR (N	-2721	NR_148946	91370	Hs.658999	NM_052856	ENSG00000	LOC91370	-	uncharact	ncRNA
chr3-4909	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr3	49098713	49103196	+	0	NA	intron (N	AluSz|SIN	-1040	NR_106950	1.02E+08		NR_106950	ENSG00000	MIR6890	hsa-mir-6	microRNA	ncRNA
chr4-2896	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr4	2896485	2901017	+	0	NA	intron (N	intron (N	35486	NM_001120	10227	Hs.632581	NM_001120	ENSG00000	MFSD10	TETRAN|TE	major fac	protein-coding
chr7-2361	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr7	2361895	2376632	+	0	NA	intron (N	intron (N	14436	NM_001037	8662	Hs.371001	NM_003751	ENSG00000	EIF3B	EIF3-ETA|	eukaryoti	protein-coding
chr7-5921	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr7	5921453	5923800	+	0	NA	intron (N	intron (N	23893	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homc	protein-coding
chr8-9769	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr8	9769638	9770927	+	0	NA	intron (N	intron (N	28610	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|H	microRNA	ncRNA
chr8-8653	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr8	86537991	86538299	+	0	NA	intron (N	AluSz|SIN	23710	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr8-1447	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	7470	NM_030580	80778	Hs.631854	NM_030580	ENSG00000	ZNF34	KOX32	zinc fing	protein-coding
chr9-1281	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	6762	NM_052901	114789	Hs.5476	NM_052901	ENSG00000	SLC25A25	MCSC|PCSC	solute ca	protein-coding
chr9-1364	9.673474	0.267502	0.750669	0.356351	0.721578	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJr|SIN	-11581	NM_152571	158055	Hs.212613	NM_152571		C9orf163	-	chromosom	protein-coding
chr16-367	8.731145	0.292168	0.819969	0.356316	0.721604	0.981636	chr16	3678833	3679165	+	0	NA	intron (N	intron (N	24295	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribc	protein-coding
chr19-484	8.731145	0.292168	0.819969	0.356316	0.721604	0.981636	chr19	48479024	48479223	+	0	NA	exon (NM_	exon (NM_	9754	NM_004228	9266	Hs.144011	NM_004228	ENSG00000	CYTH2	ARNO|CTS1	cytohesir	protein-coding
chr5-6992	4.734963	-0.38543	1.082137	-0.35618	0.721706	0.981636	chr5	69921780	69922281	+	0	NA	intron (N	intron (N	-18010	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr1-1195	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr1	11954560	11955245	+	0	NA	intron (N	intron (N	20185	NM_001316	5351	Hs.75093	NM_000302	ENSG00000	PLOD1	EDS6|EDSK	procollag	protein-coding
chr1-1510	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz6|SI	-4386	NM_001323	126626	Hs.15671	NM_144618	ENSG00000	GABPB2	GABPB-2	GA bindir	protein-coding
chr11-972	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr11	9729045	9730171	+	0	NA	intron (N	AluSx3|SI	-28685	NR_036485	283104	Hs.632156	NR_036485	ENSG00000	SBF2-AS1	-	SBF2 anti	ncRNA
chr17-510	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr17	5105489	5109665	+	0	NA	intron (N	AluSz|SIN	-4358	NR_135658	1.02E+08	Hs.660048	NR_135657	ENSG00000	LOC101928	-	uncharact	ncRNA
chr2-1743	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	MER20|DNA	9070	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr5-3896	9.127888	0.274852	0.771957	0.356046	0.721806	0.981636	chr5	38966505	38967373	+	0	NA	intron (N	AluSz6|SI	107460	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR inc	protein-coding
chr15-845	11.69015	-0.2488	0.698808	-0.35604	0.721811	0.981636	chr15	84545893	84546342	+	0	NA	intron (N	AluSx1|SI	-24532	NR_038274	1.01E+08	Hs.150824	NR_038273		LINC00933	-	long inte	ncRNA
chr17-684	10.2112	0.262411	0.737282	0.355917	0.721903	0.981636	chr17	68431912	68436314	+	0	NA	intron (N	intron (N	-9565	NR_030365	693220		NR_030365	ENSG00000	MIR635	MIRN635|H	microRNA	ncRNA
chr11-103	8.838177	-0.28109	0.790017	-0.35581	0.721984	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	THE1B|LTR	94595	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr22-456	7.948546	-0.29806	0.838775	-0.35535	0.722324	0.981636	chr22	45696614	45697553	+	0	NA	intron (N	L1MB5|LIN	25249	NM_013236	25814	Hs.475125	NM_013236	ENSG00000	ATXN10	E46L|HUME	ataxin 10	protein-coding
chr7-1355	7.948546	-0.29806	0.838775	-0.35535	0.722324	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	21228	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr1-3625	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr1	36258823	36261734	+	0	NA	intron (N	intron (N	35835	NM_001321	9967	Hs.744057	NM_005119	ENSG00000	THRAP3	BCLAF2|TR	thyroid h	protein-coding
chr11-129	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr11	12902179	12904551	+	0	NA	intron (N	intron (N	86183	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-467	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr11	46743850	46744638	+	0	NA	exon (NM_	exon (NM_	8948	NR_049846	1.01E+08		NR_049846	ENSG00000	MIR5582	-	microRNA	ncRNA
chr12-693	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr12	6933899	6934734	+	0	NA	intron (N	intron (N	6357	NM_001940	1822	Hs.143766	NM_001940	ENSG00000	ATN1	B37|D12S7	atrophin	protein-coding
chr13-513	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr13	51366267	51368993	+	0	NA	intron (N	intron (N	-18991	NR_049878	1.01E+08		NR_049878	ENSG00000	MIR5693	-	microRNA	ncRNA
chr16-532	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr16	53226384	53229853	+	0	NA	intron (N	intron (N	19667	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodon	protein-coding
chr17-426	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr17	42666305	42666873	+	0	NA	intron (N	intron (N	7305	NM_016437	27175	Hs.279669	NM_016437	ENSG00000	TUBG2	-	tubulin g	protein-coding
chr20-350	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr20	35030283	35035215	+	0	NA	intron (N	AluY|SINE	-42277	NR_039912	1.01E+08		NR_039912	ENSG00000	MIR499B	MIR499A|H	microRNA	ncRNA
chr22-245	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr22	24568223	24569802	+	0	NA	intron (N	intron (N	13013	NM_004175	6634	Hs.356549	NM_004175	ENSG00000	SNRPD3	SMD3|Sm-D	small nuc	protein-coding
chr22-395	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr22	39514892	39516257	+	0	NA	non-codir	non-codir	-4985	NM_001675	468	Hs.496487	NM_001675	ENSG00000	ATF4	CREB-2|CR	activatir	protein-coding
chr3-5546	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr3	55467616	55474577	+	0	NA	intron (N	MIR|SINE|	10302	NM_001256	7474	Hs.643085	NM_003392	ENSG00000	WNT5A	hWNT5A	Wnt famil	protein-coding
chr5-1246	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr5	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSp|SIN	107139	NM_020747	57507	Hs.266616	NM_020747	ENSG00000	ZNF608	NY-REN-36	zinc fing	protein-coding
chr5-1284	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L2a|LINE|	75188	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr5-1342	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	MIR3|SINE	21473	NR_149151	5515	Hs.105818	NM_002715	ENSG00000	PPP2CA	NEDLBA|PP	protein p	protein-coding
chr7-1030	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	20493	NM_001161	83787	Hs.287412	NM_031905	ENSG00000	ARMC10	PNAS-112|	armadillc	protein-coding
chr8-3348	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr8	33488771	33491150	+	0	NA	intron (N	intron (N	4778	NM_032509	84549	Hs.583805	NM_032509	ENSG00000	MAK16	MAK16L|RE	MAK16 hon	protein-coding
chr8-9814	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr8	98148605	98151870	+	0	NA	intron (N	L1ME3C|LI	32397	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homc	protein-coding
chr9-1104	8.871459	-0.27712	0.780995	-0.35483	0.722717	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-117352	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-2524	12.59735	-0.23589	0.664875	-0.35479	0.722749	0.981636	chr1	25241636	25246415	+	0	NA	non-codir	non-codir	3429	NM_020317	57035	Hs.259412	NM_020317	ENSG00000	RSRP1	C1orf63|N	arginine	protein-coding
chr21-335	12.59735	-0.23589	0.664875	-0.35479	0.722749	0.981636	chr21	33546299	33548549	+	0	NA	intron (N	intron (N	-3238	NR_106756	1.02E+08		NR_106756	ENSG00000	MIR6501	hsa-mir-6	microRNA	ncRNA
chr1-2241	8.6313	0.282725	0.797264	0.354619	0.722875	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluY|SINE	27141	NM_015176	23219	Hs.64691	NM_015176	ENSG00000	FBXO28	CENP-30|F	F-box pro	protein-coding
chr15-297	8.6313	0.282725	0.797264	0.354619	0.722875	0.981636	chr15	29713860	29714102	+	0	NA	intron (N	intron (N	39046	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr17-425	8.6313	0.282725	0.797264	0.354619	0.722875	0.981636	chr17	42538726	42539631	+	0	NA	intron (N	MIRb|SINE	2937	NM_000263	4669	Hs.50727	NM_000263	ENSG00000	NAGLU	CMT2V|MPS	N-acetyl-	protein-coding
chr7-2775	8.6313	0.282725	0.797264	0.354619	0.722875	0.981636	chr7	27757993	27758198	+	0	NA	exon (NM_	exon (NM_	18000	NM_001079	8887	Hs.34576	NM_006024	ENSG00000	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr19-126	18.83483	0.197723	0.557653	0.354563	0.722917	0.981636	chr19	12622574	12631709	+	0	NA	intron (N	AluJb|SIN	16221	NM_153358	163049	Hs.720677	NM_153358	ENSG00000	ZNF791	-	zinc fing	protein-coding
chr1-1100	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	MIR|SINE|	5396	NM_033088	85369	Hs.584996	NM_033088	ENSG00000	STRIP1	FAM40A|FA	striatin	protein-coding
chr1-1486	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	MLT2A1|LT	-17977	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr1-1541	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-3859	NM_207308	91181	Hs.67639	NM_207308	ENSG00000	NUP210L	-	nucleopor	protein-coding
chr1-2018	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSg4|SI	5610	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr10-104	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr10	1042482	1043896	+	0	NA	intron (N	intron (N	5697	NM_001317	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr12-565	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr12	56586023	56590340	+	0	NA	intron (N	MER5B|DNA	42145	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WAL	bromodoma	protein-coding
chr2-4204	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr2	42049075	42060272	+	0	NA	intron (N	intron (N	6652	NM_138370	91461	Hs.408542	NM_138370	ENSG00000	PKDCC	SGK493|V1	protein k	protein-coding
chr2-6409	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr2	64094881	64096092	+	0	NA	intron (N	intron (N	48934	NM_020651	57162	Hs.7886	NM_020651	ENSG00000	PELI1	-	pellino E	protein-coding
chr2-2017	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-29807	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr21-371	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr21	37172699	37175485	+	0	NA	intron (N	intron (N	19834	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr3-4911	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr3	49116416	49118685	+	0	NA	exon (NM_	exon (NM_	3388	NM_001351	10869	Hs.255596	NM_006677	ENSG00000	USP19	ZMYND9	ubiquitir	protein-coding
chr7-5919	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr7	5919531	5920761	+	0	NA	intron (N	intron (N	21413	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homc	protein-coding
chr8-4232	10.17792	0.259639	0.732413	0.354499	0.722965	0.981636	chr8	42329012	42329563	+	0	NA	intron (N	intron (N	-9207	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr4-1688	12.13589	-0.24102	0.67994	-0.35447	0.722989	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	50105	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr2-9248	11.20438	0.251445	0.709536	0.35438	0.723054	0.981636	chr2	92486571	92487259	+	0	NA	Intergeni	ALR/Alpha	545782	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr12-269	3.96512	0.404467	1.141712	0.354264	0.723141	0.981636	chr12	26981513	26982122	+	0	NA	intron (N	intron (N	32567	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr15-572	5.632453	-0.3457	0.976196	-0.35413	0.723243	0.981636	chr15	57241289	57241871	+	0	NA	intron (N	intron (N	22150	NM_001306	6938	Hs.511504	NM_003205	ENSG00000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr16-703	7.151244	0.32227	0.91016	0.354081	0.723278	0.981636	chr16	70398375	70398642	+	0	NA	exon (NM_	exon (NM_	40592	NM_006927	6483	Hs.368611	NM_006927	ENSG00000	ST3GAL2	Gal-NAc6S	ST3 beta-	protein-coding
chr19-625	8.368863	-0.2896	0.81797	-0.35404	0.723307	0.981636	chr19	6258180	6258389	+	0	NA	intron (N	L1M4|LINE	21691	NM_005934	4298	Hs.10095	NM_005934	ENSG00000	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr9-9922	8.368863	-0.2896	0.81797	-0.35404	0.723307	0.981636	chr9	99223547	99224400	+	0	NA	intron (N	L2c|LINE|	1691	NM_006808	10952	Hs.191887	NM_006808	ENSG00000	SEC61B	-	SEC61 tra	protein-coding
chr15-651	9.632334	0.266181	0.752227	0.353857	0.723446	0.981636	chr15	65156107	65159132	+	0	NA	intron (N	intron (N	-23811	NM_005707	10081	Hs.458596	NM_005707	ENSG00000	PDCD7	ES18|HES1	programme	protein-coding
chr3-1002	9.632334	0.266181	0.752227	0.353857	0.723446	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	34999	NM_001199	55773	Hs.477003	NM_018309	ENSG00000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr9-1372	9.632334	0.266181	0.752227	0.353857	0.723446	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	1926	NM_017723	54863	Hs.495541	NM_017723	ENSG00000	TOR4A	C9orf167	torsin fa	protein-coding
chr14-709	8.459	-0.28608	0.808463	-0.35385	0.72345	0.981636	chr14	70969432	70969703	+	0	NA	intron (N	MLT1A1|LT	62108	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr12-131	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	11624	NM_015409	57634	Hs.723478	NM_015409	ENSG00000	EP400	CAGH32|P4	E1A bindi	protein-coding
chr15-561	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr15	56126354	56126927	+	0	NA	intron (N	L1M4|LINE	63292	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr15-731	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr15	73180915	73183003	+	0	NA	intron (N	THE1B|LTR	-117951	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr17-542	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr17	5423096	5423985	+	0	NA	intron (N	AluJr4|SI	-3801	NM_001320	4927	Hs.584784	NM_002532	ENSG00000	NUP88	FADS4	nucleopor	protein-coding
chr18-241	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr18	24127560	24127898	+	0	NA	intron (N	AluJb|SIN	-11227	NM_001308	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding

chr2-6912	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr2	69128489	69129365	+	0	NA	intron (N	intron (N	25245	NR_03607	1E+08		NR_03607	ENSG0000	MIR3126	mir-3126	microRNA	ncRNA
chr6-4320	9.135746	0.273203	0.772142	0.353825	0.72347	0.981636	chr6	43205881	43206924	+	0	NA	exon (NM_	exon (NM_	23079	NM_199184	10591	Hs.10975	NM_00644	ENSG0000	DNPH1	C6orf108|	2'-deoxyr	protein-coding
chr1-1804	9.624476	0.267732	0.756728	0.353802	0.723487	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	Charliela	4041	NM_03236	84320	Hs.20005	NM_03236	ENSG0000	ACBD6	-	acyl-CoA	protein-coding
chr6-4439	9.624476	0.267732	0.756728	0.353802	0.723487	0.981636	chr6	44396274	44398251	+	0	NA	intron (N	MER21B|LT	9556	NM_00125	988	Hs.48547	NM_00125	ENSG0000	CDC5L	CDC5|CDC	cell divi	protein-coding
chr18-736	10.67451	0.25395	0.717935	0.353723	0.723546	0.981636	chr18	736333	736605	+	0	NA	intron (N	MER20|DNA	-23805	NR_14870	55556	Hs.65855	NM_01751	ENSG0000	ENOSF1	FUCD|RTS|	enolase s	protein-coding
chr19-174	4.487132	0.383317	1.085066	0.353266	0.723889	0.981636	chr19	17422841	17423733	+	0	NA	intron (N	AluSq2|SI	3240	NM_138401	93343	Hs.51524	NM_138401	ENSG0000	MVB12A	CFBP|FAM1	multivesi	protein-coding
chr1-2846	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr1	28466259	28467614	+	0	NA	intron (N	AluSc8|SI	28786	NM_023923	65979	Hs.22564	NM_02392	ENSG0000	PHACTR4	PPP1R124	phosphata	protein-coding
chr13-413	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr13	41340221	41342360	+	0	NA	intron (N	intron (N	-29252	NM_001354	9617	Hs.38217	NM_00429	ENSG0000	MTRF1	MRF1|MTTF	mitochonc	protein-coding
chr13-728	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr13	72895815	72896974	+	0	NA	intron (N	L1PB1|LIN	114261	NR_14620	10464	Hs.44192	NM_00634	ENSG0000	PIBF1	C13orf24|	progester	protein-coding
chr2-1278	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	7058	NM_00480	5433	Hs.71534	NM_00480	ENSG0000	POLR2D	HSRBP4|HS	RNA polym	protein-coding
chr4-8493	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr4	849384	849583	+	0	NA	3' UTR (N	3' UTR (N	-23354	NM_006651	10815	Hs.47893	NM_006651	ENSG0000	CPLX1	CPX-I|CPX	complexir	protein-coding
chr4-1216	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	8291	NM_001154	308	Hs.48065	NM_001154	ENSG0000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr7-9278	8.402144	-0.28547	0.809278	-0.35275	0.724278	0.981636	chr7	92788419	92789201	+	0	NA	intron (N	L1M4|LINE	45149	NM_00125	1021	Hs.11988	NM_00125	ENSG0000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr1-1790	8.592011	0.291408	0.826186	0.352715	0.724302	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	4312	NM_022371	64222	Hs.58495	NM_022371	ENSG0000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr1-2468	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluJr4|SI	42498	NM_01544	25909	Hs.30088	NM_01544	ENSG0000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr11-628	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr11	62813492	62827912	+	0	NA	intron (N	AluY|SINE	11349	NM_003164	6811	Hs.65460	NM_003164	ENSG0000	STX5	SED5|STX5	syntaxin	protein-coding
chr12-104	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	MLT1H|LTR	6971	NM_01332	29915	Hs.50655	NM_01332	ENSG0000	HCFC2	HCF-2|HCF	host cell	protein-coding
chr15-756	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr15	75684417	75685620	+	0	NA	intron (N	MIRb|SINE	27830	NM_001897	1464	Hs.51304	NM_001897	ENSG0000	CSPG4	HMW-MAA|M	chondroit	protein-coding
chr2-8612	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr2	86125377	86129156	+	0	NA	exon (NM_	exon (NM_	-8604	NR_00437	692225	Hs.72308	NR_00437	ENSG0000	SNORD94	U94	small nuc	snoRNA
chr9-3243	9.640192	0.264631	0.750877	0.35243	0.724516	0.981636	chr9	32433174	32434250	+	0	NA	intron (N	intron (N	49069	NM_001362	48	Hs.56722	NM_002197	ENSG0000	ACO1	ACONS|HEL	aconitase	protein-coding
chr1-4550	10.68237	0.252531	0.716824	0.352292	0.724619	0.981636	chr1	45509859	45519980	+	0	NA	exon (NM_	exon (NM_	6965	NM_181697	5052	Hs.18090	NM_002574	ENSG0000	PRDX1	MSP23|NKE	peroxirec	protein-coding
chr1-2038	10.68237	0.252531	0.716824	0.352292	0.724619	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	L1MC4|LIN	22940	NM_001174	1E+08		NM_001174	ENSG0000	ZBED6	MGR	zinc fing	protein-coding
chr14-747	10.68237	0.252531	0.716824	0.352292	0.724619	0.981636	chr14	74723999	74724812	+	0	NA	intron (N	AluJb|SIN	11261	NM_001318	51077	Hs.57982	NM_01596	ENSG0000	FCF1	Bka|C14or	FCF1 rRNA	protein-coding
chr19-457	10.68237	0.252531	0.716824	0.352292	0.724619	0.981636	chr19	45775949	45779571	+	0	NA	exon (NM_	exon (NM_	1859	NM_00128	1760	Hs.63159	NM_00440	ENSG0000	DMPK	DM|DM1|DM	DM1 prote	protein-coding
chr22-403	9.176886	0.274495	0.779235	0.352262	0.724641	0.981636	chr22	40365558	40366342	+	0	NA	intron (N	L2c|LINE|	-4644	NR_14641	27352	Hs.47491	NM_01570	ENSG0000	SGSM3	CIP85|MAF	small G p	protein-coding
chr10-741	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr10	74113848	74122984	+	0	NA	3' UTR (N	3' UTR (N	32412	NM_00132	26985	Hs.50010	NM_01209	ENSG0000	AP3M1	-	adaptor r	protein-coding
chr11-671	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr11	67133881	67135361	+	0	NA	intron (N	AluSx|SIN	15358	NM_01230	22992	Hs.12414	NM_01230	ENSG0000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr12-105	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSc5|SI	25303	NM_001034	160428	Hs.42572	NM_001034	ENSG0000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr12-110	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	13021	NM_001347	28981	Hs.52838	NM_01405	ENSG0000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr12-124	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	28921	NM_03265	57647	Hs.10738	NM_03265	ENSG0000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-113	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	-42917	NR_02658	7027	Hs.79353	NM_007111	ENSG0000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr14-950	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr14	95093585	95094113	+	0	NA	intron (N	intron (N	39654	NM_00119	23405	Hs.87889	NM_030621	ENSG0000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr14-951	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr14	95124044	95125079	+	0	NA	exon (NM_	exon (NM_	8942	NM_00119	23405	Hs.87889	NM_030621	ENSG0000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr20-635	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr20	63557724	63562532	+	0	NA	intron (N	CpG	5969	NM_00131	79025	Hs.19775	NM_02405	ENSG0000	FNDC11	C20orf19	fibronect	protein-coding
chr22-455	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr22	45541057	45544891	+	0	NA	intron (N	MIRc|SINE	40091	NM_00199	2192	Hs.24601	NM_00199	ENSG0000	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr3-5205	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr3	52050551	52052120	+	0	NA	intron (N	intron (N	5236	NM_001947	1849	Hs.59166	NM_001947	ENSG0000	DUSP7	MKPX|PYST	dual spec	protein-coding
chr5-1321	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	10378	NR_04747	1.01E+08	Hs.51956	NR_04747	ENSG0000	P4HA2-AS1	-	P4HA2 ant	ncRNA
chr6-3152	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr6	3152608	3156016	+	0	NA	TTS (NM_	TTS (NM_	3232	NM_00131	7280	Hs.65454	NM_00106	ENSG0000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr7-1041	8.912599	-0.27474	0.780076	-0.35219	0.724692	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	MSTD|LTR|	8185	NM_00255	5001	Hs.43294	NM_00255	ENSG0000	ORC5	ORC5L|ORC	origin re	protein-coding
chr19-110	8.920456	-0.27624	0.784405	-0.35216	0.724716	0.981636	chr19	1107946	1110386	+	0	NA	exon (NM_	exon (NM_	4516	NM_00103	2879	Hs.43395	NM_00208	ENSG0000	GPX4	GPx-4|GSH	glutathic	protein-coding
chr19-185	8.920456	-0.27624	0.784405	-0.35216	0.724716	0.981636	chr19	18538235	18538472	+	0	NA	exon (NM_	exon (NM_	5220	NM_012181	23770	Hs.17346	NM_012181	ENSG0000	FKBP8	FKBP38|FK	FKBP prol	protein-coding
chr5-1296	8.920456	-0.27624	0.784405	-0.35216	0.724716	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-52523	NM_001257	1E+08	Hs.58253	NM_001257	ENSG0000	MINAR2	KIAA1024L	membrane	protein-coding
chr1-2360	9.681332	0.26592	0.755552	0.351954	0.724873	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	AluSq|SIN	36104	NM_00250	4811	Hs.35662	NM_00250	ENSG0000	NID1	NID	nidogen 1	protein-coding
chr11-672	9.681332	0.26592	0.755552	0.351954	0.724873	0.981636	chr11	67226694	67230092	+	0	NA	intron (N	intron (N	-11621	NM_00125	22992	Hs.12414	NM_01230	ENSG0000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr19-161	9.681332	0.26592	0.755552	0.351954	0.724873	0.981636	chr19	1614636	1616306	+	0	NA	exon (NM_	exon (NM_	-10009	NM_00683	10975	Hs.8372	NM_00683	ENSG0000	UQCR11	0710008DC	ubiquinol	protein-coding
chr7-9399	9.681332	0.26592	0.755552	0.351954	0.724873	0.981636	chr7	93997643	93998906	+	0	NA	intron (N	intron (N	6081	NM_001317	10282	Hs.48913	NM_00586	ENSG0000	BET1	HBET1	Bet1 golg	protein-coding
chr9-1314	9.681332	0.26592	0.755552	0.351954	0.724873	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	14806	NM_01331	84726	Hs.74395	NM_01331	ENSG0000	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr1-1703	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr1	17037321	17037772	+	0	NA	intron (N	AluSz6|SI	16624	NM_00300	6390	Hs.46592	NM_00300	ENSG0000	SDHB	CWS2|IP|P	succinate	protein-coding
chr1-2271	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	L2a|LINE|	176267	NM_00136	8476	Hs.35433	NM_003607	ENSG0000	CDC42BPA	MRCK|MRCK	CDC42 bir	protein-coding
chr15-309	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr15	30913796	30916400	+	0	NA	intron (N	L1MA5|LIN	11183	NM_014967	22909	Hs.58486	NM_014967	ENSG0000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr16-581	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr16	58181218	58181833	+	0	NA	intron (N	HAL1|LINE	16581	NM_00189	1459	Hs.82201	NM_00189	ENSG0000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr4-1832	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	25345	NM_001111	53842	Hs.33317	NM_001111	ENSG0000	CLDN22	CLDN21	claudin 2	protein-coding
chr5-1771	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	L1MD2|LIN	12884	NM_00136	64324	Hs.10686	NM_02245	ENSG0000	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-4334	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr6	43347196	43348420	+	0	NA	intron (N	L2b|LINE|	21839	NM_01434	24149	Hs.50971	NM_01434	ENSG0000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr6-1165	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	3' UTR (N	3' UTR (N	5009	NM_153711	254228	Hs.10508	NM_153711	ENSG0000	CALHM5	C6orf188|	calcium h	protein-coding
chr6-1320	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	Intergeni	MER41A|LT	-52814	NM_001901	1490	Hs.41003	NM_001901	ENSG0000	CCN2	CTGF|HCS2	cellular	protein-coding
chr6-1514	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	19784	NM_01790	55005	Hs.48683	NM_01790	ENSG0000	RMND1	C6orf96|C	required	protein-coding
chr7-3821	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr7	38218417	38219913	+	0	NA	intron (N	AluJr|SIN	40920	NM_03201	83930	Hs.30975	NM_03201	ENSG0000	STARD3NL	MENTHO	STARD3 N-	protein-coding
chr7-9796	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr7	97966161	97966922	+	0	NA	non-codir	non-codir	-2060	NR_04986	1.01E+08		NR_04986	ENSG0000	MIR5692C2	-	microRNA	ncRNA
chr7-1023	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJb|SIN	10923	NM_001347	1E+08	Hs.40639	NM_001242713		LOC10028	-	uncharact	protein-coding
chrX-4114	5.665734	-0.33939	0.964488	-0.35188	0.724926	0.981636	chrX	41140259	41141019	+	0	NA	intron (N	intron (N	55194	NM_00103	8239	Hs.77578	NM_00465	ENSG0000	USP9X	DFFRX|FAF	ubiquitir	protein-coding
chr20-595	5.15528	-0.36349	1.03312	-0.35183	0.724964	0.981636	chr20	5954735	5955178	+	0	NA	intron (N	MIR|SINE|	4304	NM_182802	84515	Hs.59748	NM_03248	ENSG0000	MCM8	C20orf154	minichrom	protein-coding
chr9-6503	5.15528	-0.36349	1.03312	-0.35183	0.724964	0.981636	chr9	6503588	6504856	+	0	NA	intron (N	AluY|SINE	91023	NM_15289	115426	Hs.49340	NM_15289	ENSG0000	UHRF2	NIRF|RNF1	ubiquitir	protein-coding
chr20-112	8.67244	0.283992	0.807417	0.351729	0.725041	0.981636	chr20	1129213	1129717	+	0	NA	intron (N	intron (N	10863	NM_00132	9491	Hs.47191	NM_006814	ENSG0000	PSMF1	PI31	proteasom	protein-coding
chr3-5035	8.67244	0.283992	0.807417	0.351729	0.725041	0.981636	chr3	50354618	50355135	+	0	NA	TTS (NM_	TTS (NM_	4014	NM_001291	11068	Hs.14944	NM_00702	ENSG0000	CYB561D2	101F6|TSF	cytochrom	protein-coding
chr4-6703	9.210167	0.277476	0.789397	0.351504	0.725211	0.981636	chr4	6703332	6703531	+	0	NA	Intergeni	Intergeni	6434	NM_203462	114932	Hs.59315	NM_152301	ENSG0000	MRFAP1L1	PP784	Morf4 fam	protein-coding
chr1-1590	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	TTS (NM_	TTS (NM_	21437	NM_00483	9447	Hs.73341	NM_00483	ENSG0000	AIM2	PYHIN4	absent ir	protein-coding
chr10-122	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr10	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	5553	NM_024942	80007	Hs.50128	NM_02494	ENSG0000	C10orf88	-	chromosom	protein-coding
chr13-980	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr13	98018544	98021018	+	0	NA	exon (NM_	exon (NM_	66106	NM_002271	3843	Hs.71259	NM_002271	ENSG0000	IPO5	IMB3|KPNE	importin	protein-coding
chr15-304	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr15	30477777	30477976	+	0	NA	non-codir	non-codir	3893	NR_03665	1E+08	Hs.56262	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr19-393	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr19	39348436	39349492	+	0	NA	intron (N	MIR|SINE|	6505	NM_00130	55095	Hs.61233	NM_01802	ENSG0000	SAMD4B	SMGB|Smau	sterile a	protein-coding
chr20-391	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr20	3916632	3917550	+	0	NA	promoter-	promoter-	-403	NR_02951	406896		NR_02951	ENSG0000	MIR103A2	MIR103-2|	microRNA	ncRNA
chr4-1057	8.443284	-0.28296	0.805133	-0.35144	0.725258	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA5|LIN	19137	NM_001031	79807	Hs.16142	NM_024751	ENSG0000	GSTCD	-	glutathic	protein-coding
chr1-2008	10.13678	0.258374	0.735429	0.351325	0.725345	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-16335	NM_00529	2848	Hs.53431	NM_00529	ENSG0000	GPR25	-	G protein	protein-coding
chr18-458	10.13678	0.258374	0.735429	0.351325	0.725345	0.981636	chr18	45870252	45871009	+	0	NA	exon (NM_	exon (NM_	44955	NM_213602	284266	Hs.28769	NM_21360	ENSG0000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr2-1896	8.863601	-0.27563	0.784968	-0.35113	0.725488	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSx|SIN	7003	NM_01904	54529	Hs.10136	NM_01904	ENSG0000	ASNSD1	NBLA0005	asparagir	protein-coding
chr3-4771	8.863601	-0.27563	0.784968	-0.35113	0.725488	0.981636	chr3	47719378	47720344	+	0	NA	intron (N	AluSx|SIN	-58167	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr5-7743	8.863601	-0.27563	0.784968	-0.35113	0.725488	0.981636	chr5	77432911	77433427	+	0	NA	exon (NM_	exon (NM_	59147	NM_01826	55255	Hs.48257	NM_01826	ENSG0000	WDR41	MSTP048	WD repeat	protein-coding
chr7-2334	8.863601	-0.27563	0.784968	-0.35113	0.725488	0.981636	chr7	23345266	23345754	+	0	NA	intron (N	MLT1F|LTR	46171	NM_13844	115416	Hs.87385	NM_13844	ENSG0000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr2-1700	4.479274	0.387034	1.102442	0.35107	0.725536	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	174724	NM_17207	130507	Hs.37954	NM_17207	ENSG0000	UBR3	ZNF650	ubiquitir	protein-coding
chr16-299	10.21906	0.260943	0.743321	0.351051	0.72555	0.981636	chr16	29967441	29969702	+	0	NA	intron (N	intron (N	-5297	NM_00478	9344	Hs.29162	NM_00478	ENSG0000	TAOK2	MAP3K17|P	TAO kinas	protein-coding
chr12-313	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr12	31304053	31305359	+	0	NA	intron (N	intron (N	-19610	NR_02680	79857	Hs.53448	NM_02479	ENSG0000	FLJ13224	-	uncharact	ncRNA
chr2-3930	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr2	39309660	39310406	+	0	NA	intron (N	L1MA4|LIN	-66050	NR_144521	344387	Hs.40320	NM_00100	ENSG0000	CDKL4	-	cyclin de	protein-coding
chr2-5563	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr2	55634701	55635609	+	0	NA	3' UTR (N	3' UTR (N	-17533	NM_020463	57223	Hs.51618	NM_02046	ENSG0000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-2247	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	L1ME1|LIN	147826	NM_00129	55619	Hs.46578	NM_01468	ENSG0000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr4-1192	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx|SIN	34990	NM_001001	401152	Hs.17370	NM_001001	ENSG0000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr9-1101	5.188562	-0.35674	1.016272	-0.35103	0.725565	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	MER46C|DN	19159	NM_00113	445815	Hs.59190	NM_00720	ENSG0000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr1-2019	10.18578	0.258161	0.735475	0.351013	0.725578	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-9258	NR_14576	1.1E+08		NR_14576	ENSG0000	SNORA70H	-	small nuc	snoRNA
chr19-371	10.18578	0.258161	0.735475	0.351013	0.725578	0.981636	chr19	37161555	37163080	+	0	NA	intron (N	intron (N	10119	NM_19912	199704	Hs.65923	NM_15265	ENSG0000	ZNF585A	-	zinc fing	protein-coding
chr2-2840	10.18578	0.258161	0.735475	0.351013	0.725578	0.981636	chr2	28402154	28415666	+	0	NA	intron (N	intron (N	-14238	NR_103831	403150	Hs.56297	NR_103831	ENSG0000	FLJ31356	-	uncharact	ncRNA
chr2-2030	10.18578	0.258161	0.735475	0.351013	0.725578	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MER21C|LT	27432	NM_001114	65065	Hs.64884	NM_19894	ENSG0000	NBEAL1	A530083I0	neurobeac	protein-coding
chr9-9210	10.18578	0.258161	0.735475	0.351013	0.725578	0.981636	chr9	92103387	92104119	+	0	NA	intron (N	intron (N	11660	NM_00641	10558	Hs.90458	NM_00641	ENSG0000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr1-3560	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr1	35607220	35609665	+	0	NA	intron (N	L1MA5A|LI	23095	NM_00119	5690	Hs.47144	NM_00279	ENSG0000	PSMB2	HC7-I	proteasom	protein-coding
chr1-1178	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	58415	NM_01768	54834	Hs.31080	NM_01768	ENSG0000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-1201	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	9496	NM_00489	9554	Hs.63243	NM_00489	ENSG0000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr10-631	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr10	63175385	63176453	+	0	NA	intron (N	intron (N	42591	NM_03075	29982	Hs.44962	NM_03075	ENSG0000	NRBF2	COPR|COPR	nuclear r	protein-coding
chr10-731	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr10	73150633	73155513	+	0	NA	intron (N	AluJb|SIN	14935	NM_00726	11319	Hs.63182	NM_00726	ENSG0000	ECD	GCR2|HSGT	ecdysonel	protein-coding
chr11-942	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr11	9420543	9444542	+	0	NA	intron (N	intron (N	3776	NR_002962	677808	Hs.68972	NR_00296	ENSG0000	SNORA23	ACA23	small nuc	snoRNA
chr11-658	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr11	65883421	65887509	+	0	NA	intron (N	intron (N	3006	NM_004214	9158	Hs.7768	NM_004214	ENSG0000	FIBP	FGFIBP|FI	FGF1 intr	protein-coding
chr12-954	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr12	95494157	95497545	+	0	NA	intron (N	intron (N	21699	NM_001317	10988	Hs.44498	NM_00683	ENSG0000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr12-110	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	8782	NM_01622	51699	Hs.60011	NM_01622	ENSG0000	VPS29	DC15|DC7|	VPS29 ret	protein-coding
chr13-253	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr13	25320483	25322779	+	0	NA	intron (N	intron (N	20006	NM_01408	9818	Hs.50753	NM_01408	ENSG0000	NUP58	NUP45|NUP	nucleopor	protein-coding
chr15-989	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr15	98928293	98930527	+	0	NA	intron (N	intron (N	76246	NM_00110	145814	Hs.59202	NM_00110	ENSG0000	PGPEP1L	-	pyrogluta	protein-coding
chr17-294	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr17	29480451	29481437	+	0	NA	intron (N	intron (N	86093	NM_198147	116236	Hs.10651	NM_198147	ENSG0000	ABHD15	-	abhydrola	protein-coding
chr17-312	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr17	31276940	31278074	+	0	NA	intron (N	LTR33|LTR	19732	NM_002544	4974	Hs.11387	NM_002544	ENSG0000	OMG	OMGP	oligodenc	protein-coding
chr17-751	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr17	75165528	75180624	+	0	NA	intron (N	intron (N	9883	NM_006937	6613	Hs.38097	NM_006937	ENSG0000	SUMO2	HSMT3|SMT	small ubi	protein-coding
chr19-345	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr19	3452161	3457187	+	0	NA	intron (N	intron (N	25851	NM_00113	284422	Hs.13071	NM_00113	ENSG0000	SMIM24	C19orf77|	small int	protein-coding
chr2-2429	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr2	24293855	24296740	+	0	NA	intron (N	intron (N	65239	NM_00134	50618	Hs.43256	NM_006277	ENSG0000	ITSN2	PRO2015|S	intersect	protein-coding
chr2-3707	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr2	37074932	37075705	+	0	NA	intron (N	L1ME1|LIN	9054	NM_019024	54497	Hs.74408	NM_019024	ENSG0000	HEATR5B	-	HEAT repe	protein-coding
chr2-1087	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	-21701	NM_001351	165055	Hs.36270	NM_14497	ENSG0000	CCDC138	-	coiled-cc	protein-coding
chr2-1827	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	L1PA3|LIN	30480	NR_073367	54431	Hs.51663	NM_018981	ENSG0000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr22-428	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr22	42808349	42811073	+	0	NA	intron (N	intron (N	47562	NM_01457	26286	Hs.68522	NM_01457	ENSG0000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-3940	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr3	39407579	39413573	+	0	NA	promoter-	promoter-	-478	NR_002324	6044	Hs.44990	NR_002324	ENSG0000	SNORA62	E2|E2-1|R	small nuc	snoRNA
chr3-6910	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr3	69101452	69105233	+	0	NA	intron (N	MIR3|SINE	18405	NM_006407	10550	Hs.51806	NM_006407	ENSG0000	ARL6IP5	DERP11|GT	ADP ribos	protein-coding
chr3-1016	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-16577	NR_024407	1E+08	Hs.74329	NR_024407	ENSG0000	ZBTB11-AS	-	ZBTB11 ar	ncRNA
chr3-1072	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr3	1.07E+08	1.07E+08	+	0	NA	non-codir	non-codir	6080	NR_028301	344595	Hs.54303	NR_028301	ENSG0000	DUBR	DUM|LINCO	DPPA2 ups	ncRNA
chr3-1422	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	17698	NM_00103	256356	Hs.13590	NM_15277	ENSG0000	GK5	-	glycerol	protein-coding
chr5-1468	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr5	14687703	14694339	+	0	NA	intron (N	intron (N	-21673	NR_04628	1E+08	Hs.66055	NR_046285		LOC10013	-	uncharact	ncRNA
chr5-3890	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr5	38900010	38905521	+	0	NA	intron (N	MER70-int	56753	NM_00132	9180	Hs.12065	NM_00399	ENSG0000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-1283	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	(ATTAAT)r	171942	NM_00199	2201	Hs.51929	NM_00199	ENSG0000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr6-4192	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr6	41927665	41930055	+	0	NA	intron (N	MIRb|SINE	7361	NM_00405	705	Hs.10688	NM_00405	ENSG0000	BYSL	BYSTIN|Er	bystin li	protein-coding
chr6-7567	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr6	75679309	75684263	+	0	NA	intron (N	AluJr|SIN	-67453	NM_00136	4646	Hs.14938	NM_00499	ENSG0000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr6-8218	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr6	82189710	82197226	+	0	NA	intron (N	intron (N	54276	NM_00130	25998	Hs.30642	NM_01552	ENSG0000	IBTK	BTBD26|BT	inhibitor	protein-coding

chr7-1051	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	96936	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr9-9208	8.904741	-0.27325	0.778525	-0.35098	0.725602	0.981636	chr9	92088487	92089349	+	0	NA	intron (N	L1MEd|LIN	26495	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr14-582	9.340773	-0.26973	0.768835	-0.35083	0.725713	0.981636	chr14	58286387	58286702	+	0	NA	intron (N	AluSx1|SI	-1489	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA
chr7-9277	10.12892	0.259875	0.741057	0.350682	0.725827	0.981636	chr7	92777376	92777730	+	0	NA	intron (N	L1PA7|LIN	56406	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr22-502	12.63063	-0.23314	0.664962	-0.3506	0.725885	0.981636	chr22	50275200	50277661	+	0	NA	intron (N	intron (N	-6050	NR_110887	5600	Hs.57732	NM_002751	ENSG00000	MAPK11	P38B|P38E	mitogen-a	protein-coding
chr1-1930	10.14464	0.256896	0.73277	0.350582	0.725902	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	SVA_F|Ret	21617	NM_197962	51022	Hs.458283	NM_016066	ENSG00000	GLRX2	CGI-133|C	glutaredo	protein-coding
chr11-330	10.14464	0.256896	0.73277	0.350582	0.725902	0.981636	chr11	33098533	33099137	+	0	NA	intron (N	intron (N	22685	NR_015451	283267	Hs.533701	NR_015451	ENSG00000	LINC00294	NCRNA0029	long inte	ncRNA
chr13-497	10.14464	0.256896	0.73277	0.350582	0.725902	0.981636	chr13	49714586	49722493	+	0	NA	intron (N	intron (N	-27052	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr14-520	10.14464	0.256896	0.73277	0.350582	0.725902	0.981636	chr14	52003719	52013060	+	0	NA	3’ UTR (N	3’ UTR (N	18843	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr7-7542	10.14464	0.256896	0.73277	0.350582	0.725902	0.981636	chr7	75427134	75439695	+	0	NA	intron (N	AluY|SINE	23092	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WE	NSUN5 pse	pseudo
chr11-434	9.143604	0.271502	0.775716	0.350002	0.726337	0.981636	chr11	43491850	43492776	+	0	NA	intron (N	intron (N	-67343	NR_031577	1E+08		NR_031577	ENSG00000	MIR670	hsa-mir-6	microRNA	ncRNA
chr17-602	9.143604	0.271502	0.775716	0.350002	0.726337	0.981636	chr17	60218738	60219515	+	0	NA	intron (N	intron (N	12519	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr18-209	9.143604	0.271502	0.775716	0.350002	0.726337	0.981636	chr18	20967934	20969308	+	0	NA	intron (N	intron (N	143192	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr20-137	9.143604	0.271502	0.775716	0.350002	0.726337	0.981636	chr20	13769361	13769743	+	0	NA	intron (N	AluSz6|SI	15334	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr5-7841	9.143604	0.271502	0.775716	0.350002	0.726337	0.981636	chr5	78416617	78416996	+	0	NA	intron (N	intron (N	56189	NM_004866	9522	Hs.482587	NM_004866	ENSG00000	SCAMP1	SCAMP|SCA	secretory	protein-coding
chr3-1014	5.624595	-0.34348	0.981582	-0.34992	0.726398	0.981636	chr3	10143204	10143520	+	0	NA	intron (N	AluSx|SIN	1584	NM_198156	7428	Hs.517792	NM_000551	ENSG00000	VHL	HRCA1|RCA	von Hippe	protein-coding
chr1-1625	11.18681	0.246091	0.703484	0.349817	0.726476	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	AluSq|SIN	15155	NM_175866	127933	Hs.127310	NM_144624	ENSG00000	UHMK1	KIS|KIST|	U2AF homo	protein-coding
chr9-8367	11.18681	0.246091	0.703484	0.349817	0.726476	0.981636	chr9	83677059	83678186	+	0	NA	intron (N	intron (N	-30213	NR_135839	1.05E+08	Hs.9589	NR_135839	ENSG00000	LOC105376	-	uncharact	ncRNA
chr11-126	8.639158	0.280852	0.803083	0.349717	0.726551	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	HAL1|LINE	26730	NM_024556	79607	Hs.276315	NM_024556	ENSG00000	FAM118B	-	family wi	protein-coding
chrX-1375	7.940688	-0.29613	0.847043	-0.34961	0.726633	0.981636	chrX	13751528	13751766	+	0	NA	intron (N	AluSx1|SI	16899	NM_003611	8481	Hs.6483	NM_003611	ENSG00000	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chr3-1003	10.69022	0.251129	0.718354	0.349589	0.726647	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	L1PA3|LIN	16429	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr1-6253	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr1	62537945	62539058	+	0	NA	intron (N	L2a|LINE|	-59019	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr11-690	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr11	69090491	69092112	+	0	NA	TTS (NM_1	TTS (NM_1	8125	NR_036122	1E+08		NR_036122	ENSG00000	MIR3164	-	microRNA	ncRNA
chr11-702	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr11	70205235	70205736	+	0	NA	intron (N	MLT1D|LTR	2322	NM_003824	8772	Hs.86131	NM_003824	ENSG00000	FADD	GIG3|MORT	Fas assoc	protein-coding
chr11-902	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr11	90205612	90206650	+	0	NA	intron (N	intron (N	16918	NM_012124	26973	Hs.22857	NM_012124	ENSG00000	CHORDC1	CHP1	cysteine	protein-coding
chr15-805	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr15	80555957	80556899	+	0	NA	non-codin	non-codin	6516	NR_120363	1.02E+08	Hs.569426	NR_120363	ENSG00000	LOC101929	-	uncharact	ncRNA
chr15-822	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr15	82240328	82241062	+	0	NA	intron (N	intron (N	21833	NM_001322	79631	Hs.459114	NM_024580	ENSG00000	EFL1	EFTUD1|FA	elongatio	protein-coding
chr17-296	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr17	29672355	29673505	+	0	NA	TTS (NM_0	TTS (NM_0	-51507	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr17-426	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr17	42616193	42616653	+	0	NA	Intergeni	AluYj4|SI	6740	NM_001070	7283	Hs.279669	NM_001070	ENSG00000	TUBG1	CDCBM4|GC	tubulin g	protein-coding
chr17-498	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr17	49833870	49835098	+	0	NA	3’ UTR (N	3’ UTR (N	-11426	NM_001242	729220	Hs.434138	NM_001242791		FLJ45513	-	uncharact	protein-coding
chr18-351	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr18	35102052	35102509	+	0	NA	intron (N	intron (N	60867	NM_014268	10982	Hs.532824	NM_014268	ENSG00000	MAPRE2	CSCSC2|EB	microtubu	protein-coding
chr2-1117	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2307	NR_039928	1.01E+08		NR_039928	ENSG00000	MIR4771-1	-	microRNA	ncRNA
chr20-367	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr20	36791590	36791974	+	0	NA	intron (N	MLT10|LTR	-18019	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr22-382	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr22	38263880	38264444	+	0	NA	intron (N	intron (N	8502	NM_001195	25829	Hs.182626	NM_012264	ENSG00000	TMEM184B	C22orf5|F	transmemb	protein-coding
chr3-1385	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	MER11A|LT	46100	NM_001320	80321	Hs.531962	NM_024491	ENSG00000	CEP70	BITE	centrosom	protein-coding
chr5-3213	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr5	32132917	32135347	+	0	NA	intron (N	AluJr4|SI	40187	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr5-1295	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1P3|LINE	-63271	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr9-5027	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr9	5027421	5028244	+	0	NA	intron (N	Tigger1|D	-13861	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr9-3507	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr9	35076463	35077287	+	0	NA	intron (N	intron (N	3141	NM_004629	2189	Hs.591084	NM_004629	ENSG00000	FANCG	FAG|XRCC9	FA comple	protein-coding
chr9-1347	5.657877	-0.33711	0.964439	-0.34953	0.726688	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	78762	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-1505	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	2988	NM_001202	1893	Hs.81071	NM_004425	ENSG00000	ECM1	URBWD	extracell	protein-coding
chr1-2143	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	112423	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-2270	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	150647	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr10-102	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-40799	NM_001288	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr11-119	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	-2419	NM_002105	3014	Hs.477879	NM_002105	ENSG00000	H2AFX	H2A.X|H2A	H2A histo	protein-coding
chr12-120	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-18622	NR_039719	1.01E+08		NR_039719	ENSG00000	MIR4498	mir-4498	microRNA	ncRNA
chr14-731	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr14	73120200	73120440	+	0	NA	3’ UTR (N	3’ UTR (N	-16187	NM_000021	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr14-747	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr14	74778921	74783567	+	0	NA	intron (N	intron (N	17928	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr19-441	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr19	44117245	44125297	+	0	NA	intron (N	L1PB1|LIN	7872	NM_013362	7768	Hs.279567	NM_013362	ENSG00000	ZNF225	-	zinc fing	protein-coding
chr19-456	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr19	45610633	45614300	+	0	NA	intron (N	AluJb|SIN	-10254	NM_005282	2828	Hs.17170	NM_005282	ENSG00000	GPR4	-	G protein	protein-coding
chr22-451	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr22	45132463	45136157	+	0	NA	non-codin	non-codin	18274	NR_038957	1.01E+08	Hs.189902	NR_038956		NUP50-DT	NUP50-AS1	NUP50 div	ncRNA
chr3-4862	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr3	48629527	48633687	+	0	NA	intron (N	(CCTGC)n|	2091	NR_106882	1.02E+08		NR_106882	ENSG00000	MIR6824	hsa-mir-6	microRNA	ncRNA
chr3-4897	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr3	48970653	48974763	+	0	NA	intron (N	AluJo|SIN	-17200	NM_177938	54681	Hs.654944	NM_017732	ENSG00000	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr6-1600	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-2506	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr7-1342	9.64805	0.263059	0.752616	0.349526	0.726695	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	22486	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr7-7299	5.23756	-0.35492	1.015914	-0.34936	0.726822	0.981636	chr7	72991714	72992685	+	0	NA	Intergeni	AluSx|SIN	13744	NR_040582	442578	Hs.632310	NM_001013739		STAG3L3	STAG3L1|S	stromal a	pseudo
chr6-2487	8.582303	0.282829	0.811243	0.348637	0.727362	0.981636	chr6	24870316	24870515	+	0	NA	intron (N	intron (N	6855	NM_015864	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr7-6018	10.64123	0.251329	0.721091	0.34854	0.727435	0.981636	chr7	6018224	6019414	+	0	NA	intron (N	AluSg|SIN	1942	NR_145771	1.1E+08		NR_145771	ENSG00000	SNORA80D	-	small nuc	snoRNA
chr1-7579	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr1	75790633	75796381	+	0	NA	intron (N	intron (N	-3375	NM_002440	4438	Hs.216639	NM_002440	ENSG00000	MSH4	-	mutS homo	protein-coding
chr1-8449	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr1	84496303	84501237	+	0	NA	TTS (NM_0	TTS (NM_0	-7616	NM_001310	1.01E+08	Hs.584956	NM_022354	ENSG00000	SPATA1	SP-2|SPAP	spermatog	protein-coding
chr1-2240	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MC4|LIN	14779	NR_136593	1E+08	Hs.568390	NR_136590		LOC100287	-	septin 7	pseudo
chr10-148	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr10	14840140	14845069	+	0	NA	non-codin	non-codin	4298	NR_103464	51182	Hs.534169	NM_016299	ENSG00000	HSPA14	HSP70-4|H	heat shoc	protein-coding
chr10-223	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr10	22327766	22329856	+	0	NA	intron (N	intron (N	7712	NM_005180	648	Hs.380403	NM_005180	ENSG00000	BMI1	FLVI2/BMI	BMI1 prot	protein-coding
chr10-740	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr10	74082450	74085684	+	0	NA	intron (N	AluSg7|SI	66761	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr10-801	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr10	80161353	80163282	+	0	NA	intron (N	intron (N	29587	NM_001331	219348	Hs.204947	NM_001012	ENSG00000	PLAC9	-	placenta	protein-coding
chr12-480	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr12	48064722	48065939	+	0	NA	intron (N	Tigger5b|	-39923	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|C	phosphofr	protein-coding
chr12-760	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr12	76048093	76067610	+	0	NA	intron (N	intron (N	-26075	NM_007350	22822	Hs.602085	NM_007350	ENSG00000	PHLDA1	DT1P1B11|	pleckstri	protein-coding
chr12-104	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluY|SINE	34252	NM_013320	29915	Hs.506558	NM_013320	ENSG00000	HCFC2	HCF-2|HCF	host cell	protein-coding
chr14-504	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr14	50458396	50463731	+	0	NA	intron (N	AluSx1|SI	-63765	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|P	cyclin de	protein-coding
chr15-437	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr15	43753734	43761143	+	0	NA	intron (N	AluY|SINE	11000	NM_005313	2923	Hs.591095	NM_005313	ENSG00000	PDIA3	ER60|ERp5	protein d	protein-coding
chr16-195	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr16	19502546	19503582	+	0	NA	non-codin	non-codin	19034	NR_136689	51573	Hs.512607	NM_016641	ENSG00000	GDE1	363E6.2|M	glyceroph	protein-coding
chr2-1597	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJr|SIN	-1313	NM_001282	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr2-2267	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	L1MC3|LIN	22560	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr3-4566	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr3	45668562	45669768	+	0	NA	intron (N	intron (N	19717	NR_033947	644714	Hs.712889	NR_033947		LIMD1-AS1	-	LIMD1 ant	ncRNA
chr3-4902	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr3	49023864	49028549	+	0	NA	intron (N	intron (N	3192	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr3-6902	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr3	69028171	69031689	+	0	NA	exon (NM_	exon (NM_	-16246	NM_001278	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr4-1866	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	74635	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-2146	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr5	21463486	21463916	+	0	NA	intron (N	AluSx1|SI	4221	NR_027027	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr5-3386	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr5	33868929	33869479	+	0	NA	intron (N	MSTA-int|	22786	NM_001324	81792	Hs.12680	NM_030955	ENSG00000	ADAMTS12	PRO4389	ADAM meta	protein-coding
chr5-3705	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr5	37051834	37052899	+	0	NA	exon (NM_	exon (NM_	175597	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr7-1397	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	8048	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr8-1006	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	Intergeni	AluSz6|SI	3423	NR_106992	1.02E+08		NR_106992	ENSG00000	MIR7705	hsa-mir-7	microRNA	ncRNA
chr8-1301	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	-39325	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-2181	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr9	21816682	21820697	+	0	NA	intron (N	L1MA7|LIN	16053	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr9-1118	8.896883	-0.27175	0.77971	-0.34853	0.727446	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	1703	NM_003358	7357	Hs.304249	NM_003358	ENSG00000	UGCG	GCS|GLCT1	UDP-gluco	protein-coding
chr1-3930	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr1	39308420	39313890	+	0	NA	intron (N	intron (N	-97918	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1863	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	promoter-	promoter-	-628	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr17-372	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr17	37264797	37267238	+	0	NA	intron (N	MLT1H-int	21216	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr17-803	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr17	80366980	80385106	+	0	NA	intron (N	intron (N	-39124	NR_148041	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr19-236	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr19	23653491	23659795	+	0	NA	intron (N	(AC)n|Sim	30569	NM_138330	171392	Hs.264345	NM_138330	ENSG00000	ZNF675	TBZF|TIZ	zinc fing	protein-coding
chr22-411	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr22	41140277	41142885	+	0	NA	intron (N	intron (N	48989	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr3-1697	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	L2a|LINE|	7310	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr3-1723	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	MER91B|DN	106743	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr6-1437	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-54717	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr7-7349	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr7	73495442	73511016	+	0	NA	intron (N	L1ME3Cz|L	19064	NM_032408	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-1000	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	9611	NM_001287	7586	Hs.615360	NM_003439	ENSG00000	ZKSCAN1	KOX18|PHZ	zinc fing	protein-coding
chr9-5746	10.1525	0.255417	0.732973	0.348468	0.727489	0.981636	chr9	5746715	5748964	+	0	NA	intron (N	intron (N	85278	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr1-1658	18.88383	0.197637	0.567177	0.348457	0.727497	0.981636	chr1	16580671	16582539	+	0	NA	intron (N	intron (N	32000	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr1-1739	10.64908	0.249899	0.717295	0.348391	0.727546	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	20927	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RO	ring fing	protein-coding
chr17-650	10.64908	0.249899	0.717295	0.348391	0.727546	0.981636	chr17	65049628	65053569	+	0	NA	intron (N	AluSp|SIN	4176	NM_001282	10672	Hs.515018	NM_006572	ENSG00000	GNA13	G13	G protein	protein-coding
chr2-1214	10.64908	0.249899	0.717295	0.348391	0.727546	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-83354	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr10-590	8.936172	-0.27934	0.802042	-0.34829	0.727625	0.981636	chr10	5906165	5906581	+	0	NA	exon (NM_	exon (NM_	11987	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr11-891	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr11	8916670	8916976	+	0	NA	intron (N	intron (N	5634	NM_001206	56672	Hs.131180	NM_020642	ENSG00000	AKIP1	BCA3|C11o	A-kinase	protein-coding
chr11-118	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	5293	NM_006476	10632	Hs.486360	NM_006476	ENSG00000	ATP5MG	ATP5JG|AT	ATP synth	protein-coding
chr12-770	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr12	77038338	77039246	+	0	NA	intron (N	L1ME1|LIN	26777	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr17-790	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr17	7907735	7908029	+	0	NA	intron (N	intron (N	1759	NR_003000	677763		NR_003000	ENSG00000	SCARNA21	ACA68|SCA	small Ca	ncRNA
chr20-637	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr20	63724985	63725946	+	0	NA	intron (N	L1M4a1|LI	-10236	NM_001305	54923	Hs.233220	NM_017806	ENSG00000	LIME1	LIME|dJ58	Lck inter	protein-coding
chr5-8111	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr5	81112500	81112753	+	0	NA	exon (NM_	exon (NM_	-120694	NM_001825	1160	Hs.80691	NM_001825	ENSG00000	CKMT2	SMTCK	creatine	protein-coding
chr8-9943	8.435426	-0.28132	0.807946	-0.34819	0.727701	0.981636	chr8	99433820	99434514	+	0	NA	intron (N	intron (N	102563	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr16-295	13.08423	-0.22744	0.653336	-0.34812	0.727754	0.981636	chr16	29525868	29529493	+	0	NA	Intergeni	Intergeni	-21806	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr4-1689	13.08423	-0.22744	0.653336	-0.34812	0.727754	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	3’ UTR (N	3’ UTR (N	83509	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr12-193	5.229702	-0.35248	1.012881	-0.348	0.72784	0.981636	chr12	19374802	19375563	+	0	NA	intron (N	AluSz|SIN	-64310	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr18-362	5.229702	-0.35248	1.012881	-0.348	0.72784	0.981636	chr18	36234318	36234692	+	0	NA	intron (N	L1PB1|LIN	47008	NM_017947	55034	Hs.405028	NM_017947	ENSG00000	MOCOS	HMCS|MCS|	molybdenu	protein-coding
chr6-3717	16.3126	0.210929	0.606395	0.347842	0.727959	0.981636	chr6	37171230	37171598	+	0	NA	exon (NM_	exon (NM_	1262	NM_001243	5292	Hs.81170	NM_002648	ENSG00000	PIM1	PIM	Pim-1 pro	protein-coding
chr10-878	9.374055	-0.26598	0.765299	-0.34755	0.728179	0.981636	chr10	87897879	87898337	+	0	NA	intron (N	L1PA6|LIN	34483	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr2-7383	9.374055	-0.26598	0.765299	-0.34755	0.728179	0.981636	chr2	73831870	73834033	+	0	NA	intron (N	MER57C1|L	3984	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM bind	protein-coding
chr7-7519	9.374055	-0.26598	0.765299	-0.34755	0.728179	0.981636	chr7	75195941	75198899	+	0	NA	intron (N	AluSp|SIN	-25422	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr17-481	8.598019	0.279394	0.804032	0.347491	0.728223	0.981636	chr17	4811495	4811818	+	0	NA	intron (N	intron (N	4504	NM_001243	5338	Hs.104519	NM_002663	ENSG00000	PLD2	PLD1C	phospholi	protein-coding
chr2-2328	8.598019	0.279394	0.804032	0.347491	0.728223	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-24736	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr6-8908	11.69126	0.240244	0.692065	0.347142	0.728485	0.981636	chr6	89083866	89085756	+	0	NA	3’ UTR (N	3’ UTR (N	4060	NM_006813	10957	Hs.75969	NM_006813	ENSG00000	PNRC1	B4-2|PNAS	proline r	protein-coding
chr11-577	7.412668	-0.31712	0.913691	-0.34707	0.728537	0.981636	chr11	57780540	57780903	+	0	NA	intron (N	intron (N	18919	NM_001206	1500	Hs.166011	NM_001331	ENSG00000	CTNND1	BCDS2|CAS	catenin d	protein-coding
chr1-1715	10.65694	0.248489	0.716184	0.346962	0.72862	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	AluY|SINE	57736	NM_015172	23215	Hs.494614	NM_015172	ENSG00000	PRRC2C	BAT2-iso|	proline r	protein-coding
chr12-565	10.65694	0.248489	0.716184	0.346962	0.72862	0.981636	chr12	56597816	56618806	+	0	NA	intron (N	AluY|SINE	22015	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WALp	bromodoma	protein-coding

chr13-414	10.65694	0.248489	0.716184	0.346962	0.72862	0.981636	chr13	41463233	41471697	+	0	NA	intron (N	intron (N	9915	NM_014059	28984	Hs.507866	NM_014059	ENSG00000	RGCC	C13orf15|	regulator	protein-coding
chr22-411	10.65694	0.248489	0.716184	0.346962	0.72862	0.981636	chr22	41145450	41159470	+	0	NA	intron (N	intron (N	45041	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr4-4126	10.65694	0.248489	0.716184	0.346962	0.72862	0.981636	chr4	41260199	41265728	+	0	NA	intron (N	MIR|SINE|	6035	NM_004181	7345	Hs.518731	NM_004181	ENSG00000	UCHL1	HEL-117|H	ubiquitin	protein-coding
chr15-619	9.102465	0.270084	0.778433	0.346959	0.728622	0.981636	chr15	61967091	61967327	+	0	NA	intron (N	intron (N	93238	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr6-4415	9.102465	0.270084	0.778433	0.346959	0.728622	0.981636	chr6	44152741	44153101	+	0	NA	intron (N	intron (N	-5899	NM_007058	11131	Hs.225953	NM_007058	ENSG00000	CAPN11	calpain11	calpain 1	protein-coding
chr16-864	9.366197	-0.26451	0.762549	-0.34688	0.728681	0.981636	chr16	86481264	86487435	+	0	NA	intron (N	MLT1J|LTR	24511	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr3-1249	9.366197	-0.26451	0.762549	-0.34688	0.728681	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-34753	NM_033049	56667	Hs.5940	NM_033049	ENSG00000	MUC13	DRCC1|MUC	mucin 13,	protein-coding
chr5-9886	9.366197	-0.26451	0.762549	-0.34688	0.728681	0.981636	chr5	98869497	98870560	+	0	NA	intron (N	intron (N	56506	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr9-1378	9.366197	-0.26451	0.762549	-0.34688	0.728681	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-20986	NR_030333	693187		NR_030333	ENSG00000	MIR602	MIRN602|h	microRNA	ncRNA
chr1-7757	8.394287	-0.28374	0.818466	-0.34667	0.72884	0.981636	chr1	77577735	77578904	+	0	NA	intron (N	FLAM_A|SI	104339	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr17-409	8.394287	-0.28374	0.818466	-0.34667	0.72884	0.981636	chr17	4090142	4090341	+	0	NA	intron (N	intron (N	52789	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr9-1311	8.394287	-0.28374	0.818466	-0.34667	0.72884	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluJr4|SI	2540	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr7-1660	8.855743	-0.27412	0.791864	-0.34617	0.729218	0.981636	chr7	16606086	16606404	+	0	NA	intron (N	AluSz|SIN	39509	NM_020319	57037	Hs.157378	NM_020319	ENSG00000	ANKMY2	ZMYND20	ankyrin r	protein-coding
chr15-755	10.19364	0.256659	0.741507	0.346131	0.729244	0.981636	chr15	75521576	75524336	+	0	NA	intron (N	intron (N	56359	NM_002833	5780	Hs.445775	NM_002833	ENSG00000	PTPN9	MEG2|PTPN	protein t	protein-coding
chr22-205	10.19364	0.256659	0.741507	0.346131	0.729244	0.981636	chr22	20564702	20564992	+	0	NA	intron (N	intron (N	56800	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr11-673	9.68919	0.264287	0.763786	0.346022	0.729326	0.981636	chr11	67397770	67399552	+	0	NA	TTS (NM_0	TTS (NM_0	3197	NM_206873	5499	Hs.183994	NM_002708	ENSG00000	PPP1CA	PP-1A|PP1	protein p	protein-coding
chr12-588	9.68919	0.264287	0.763786	0.346022	0.729326	0.981636	chr12	58880104	58880789	+	0	NA	intron (N	intron (N	39100	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr16-196	9.68919	0.264287	0.763786	0.346022	0.729326	0.981636	chr16	19682997	19684231	+	0	NA	intron (N	L1PA16|LI	-32842	NM_001305	124152	Hs.460217	NM_153208	ENSG00000	IQCK	-	IQ motif	protein-coding
chr9-1282	9.68919	0.264287	0.763786	0.346022	0.729326	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-14147	NR_036110	1E+08		NR_036110	ENSG00000	MIR3154	mir-3154	microRNA	ncRNA
chr6-3344	4.461708	0.374116	1.081422	0.345948	0.729381	0.981636	chr6	33449082	33449401	+	0	NA	intron (N	intron (N	-5335	NM_152735	221504	Hs.591805	NM_152735	ENSG00000	ZBTB9	ZNF919	zinc fing	protein-coding
chr16-214	12.61491	-0.23094	0.667851	-0.3458	0.729494	0.981636	chr16	21438491	21438849	+	0	NA	Intergeni	L1PA5|LIN	-4215	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr11-974	9.606911	0.261694	0.756797	0.345791	0.7295	0.981636	chr11	9749773	9750240	+	0	NA	3’ UTR (N	3’ UTR (N	-8287	NR_036485	283104	Hs.632156	NR_036485	ENSG00000	SBF2-AS1	-	SBF2 anti	ncRNA
chr11-123	10.69808	0.249723	0.722571	0.345603	0.729641	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	3268	NM_001301	7753	Hs.112556	NM_003455	ENSG00000	ZNF202	ZKSCAN10|	zinc fing	protein-coding
chr1-1835	11.14567	0.244955	0.708842	0.34557	0.729666	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	57126	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr17-155	11.14567	0.244955	0.708842	0.34557	0.729666	0.981636	chr17	15544965	15546889	+	0	NA	intron (N	intron (N	17556	NM_001204	1.01E+08	Hs.164595	NM_001204	ENSG00000	TVP23C-CD	FAM18B2|F	TVP23C-CD	protein-coding
chrX-5364	9.389771	-0.26907	0.778851	-0.34548	0.729737	0.981636	chrX	53640116	53640349	+	0	NA	intron (N	AluJb|SIN	46487	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr4-1682	8.739003	0.290218	0.84017	0.345428	0.729773	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx|SIN	37726	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr14-750	3.931838	0.397966	1.15225	0.345381	0.729808	0.981636	chr14	75021546	75022143	+	0	NA	intron (N	L1PA15|LI	18923	NM_014239	8892	Hs.409137	NM_014239	ENSG00000	EIF2B2	EIF-2Bbet	eukaryoti	protein-coding
chr1-3796	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr1	37963279	37964264	+	0	NA	intron (N	AluY|SINE	-16714	NR_158628	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr1-4269	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr1	42693356	42694863	+	0	NA	intron (N	intron (N	10973	NR_132737	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bin	protein-coding
chr1-5652	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr1	56526017	56527164	+	0	NA	intron (N	intron (N	52973	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr1-9235	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr1	92352092	92352965	+	0	NA	intron (N	intron (N	53469	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|R	RNA polym	protein-coding
chr1-1737	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	38983	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLE	kelch lik	protein-coding
chr10-608	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr10	60890891	60892768	+	0	NA	intron (N	THE1C|LTR	52356	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr12-458	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr12	45823965	45824741	+	0	NA	intron (N	L1MA4|LIN	94644	NM_001347	196528	Hs.317304	NM_152641	ENSG00000	ARID2	BAF200|CS	AT-rich i	protein-coding
chr14-544	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr14	54431261	54431966	+	0	NA	intron (N	intron (N	9761	NM_005776	10175	Hs.294603	NM_005776	ENSG00000	CNIH1	CNIH|CNIH	cornichon	protein-coding
chr14-644	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr14	64425302	64427362	+	0	NA	intron (N	MIRc|SINE	37979	NM_001364	4522	Hs.652308	NM_005956	ENSG00000	MTHFD1	CIMAH|MTH	methylene	protein-coding
chr17-475	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr17	47563820	47565101	+	0	NA	intron (N	intron (N	33352	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr17-490	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr17	49031593	49033398	+	0	NA	intron (N	intron (N	35110	NM_001160	10642	Hs.144936	NM_006546	ENSG00000	IGF2BP1	CRD-BP|CR	insulin l	protein-coding
chr18-129	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr18	12974419	12974999	+	0	NA	intron (N	MIRc|SINE	-16653	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr19-344	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr19	34496568	34497430	+	0	NA	intron (N	AluSx1|SI	15241	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr2-1546	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr2	15460961	15461202	+	0	NA	intron (N	intron (N	100253	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr2-1331	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-109698	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr3-3909	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr3	39097427	39098069	+	0	NA	non-codin	non-codin	9879	NM_001278	64689	Hs.721946	NM_031899	ENSG00000	GORASP1	GOLPH5|GR	golgi rea	protein-coding
chr3-1699	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	3’ UTR (N	3’ UTR (N	29286	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr3-1958	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	(TG)n|Sim	4861	NM_001308	10188	Hs.518513	NM_005781	ENSG00000	TNK2	ACK|ACK-1	tyrosine	protein-coding
chr6-3545	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr6	35455736	35456301	+	0	NA	exon (NM_	exon (NM_	3657	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr6-1485	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	18726	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUH	SAM and S	protein-coding
chr7-1492	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluY|SINE	-19369	NM_012256	7988	Hs.490510	NM_012256	ENSG00000	ZNF212	C2H2-150|	zinc fing	protein-coding
chr8-5863	5.650019	-0.33485	0.969746	-0.3453	0.72987	0.981636	chr8	58638266	58640824	+	0	NA	intron (N	L1MA10|LI	19862	NM_001144	8439	Hs.372000	NM_003580	ENSG00000	NSMAF	FAN|GRAMD	neutral s	protein-coding
chr1-1207	9.655908	0.261439	0.75751	0.345129	0.729998	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA8|LIN	-39934	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr1-2259	9.655908	0.261439	0.75751	0.345129	0.729998	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSg4|SI	10301	NM_152608	163859	Hs.520192	NM_152608	ENSG00000	SDE2	C1orf55|c	SDE2 telo	protein-coding
chr15-988	9.655908	0.261439	0.75751	0.345129	0.729998	0.981636	chr15	98830691	98831296	+	0	NA	intron (N	MSTB|LTR|	46567	NR_039864	1.01E+08		NR_039864	ENSG00000	MIR4714	-	microRNA	ncRNA
chr2-2894	9.655908	0.261439	0.75751	0.345129	0.729998	0.981636	chr2	28941531	28943144	+	0	NA	exon (NM_	exon (NM_	14354	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr5-1681	9.655908	0.261439	0.75751	0.345129	0.729998	0.981636	chr5	16817772	16818007	+	0	NA	intron (N	intron (N	118399	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr2-1504	11.16139	0.242196	0.701792	0.345111	0.730011	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	7526	NM_005168	390	Hs.6838	NM_005168	ENSG00000	RND3	ARHE|Rho8	Rho famil	protein-coding
chr20-638	11.16139	0.242196	0.701792	0.345111	0.730011	0.981636	chr20	63889925	63890899	+	0	NA	non-codin	non-codin	-4714	NM_025219	80331	Hs.164419	NM_025219	ENSG00000	DNAJC5	CLN4|CLN4	DnaJ heat	protein-coding
chr1-1208	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9778	NR_104086	1.02E+08		NR_104086	ENSG00000	RNVU1-19	RNU1-126|	RNA, vari	snRNA
chr12-129	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr12	12984906	12987116	+	0	NA	intron (N	MER96|DNA	6174	NR_038920	1.01E+08	Hs.127718	NR_038920	ENSG00000	GPRC5D-AS	-	GPRC5D an	ncRNA
chr18-279	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr18	2795262	2798183	+	0	NA	intron (N	AluSz|SIN	-50284	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr4-8283	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr4	82835481	82839768	+	0	NA	intron (N	intron (N	-38767	NM_024906	79966	Hs.379191	NM_024906	ENSG00000	SCD5	ACOD4|FAD	stearoyl-	protein-coding
chr5-7535	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr5	75359478	75360978	+	0	NA	intron (N	intron (N	23008	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr9-2688	9.358339	-0.26308	0.762357	-0.34509	0.730026	0.981636	chr9	26882111	26883516	+	0	NA	intron (N	THE1B-int	9989	NM_024828	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr1-1204	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-18555	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1499	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	L1PA5|LIN	-20638	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr10-131	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr10	13108557	13110420	+	0	NA	intron (N	intron (N	9325	NM_001008	10133	Hs.332706	NM_021980	ENSG00000	OPTN	ALS12|FIP	optineuri	protein-coding
chr16-359	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr16	3599927	3601294	+	0	NA	intron (N	AluSx|SIN	10996	NM_032444	84464	Hs.143681	NM_032444	ENSG00000	SLX4	BTBD12|FA	SLX4 stru	protein-coding
chr16-572	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr16	57248638	57250985	+	0	NA	exon (NM_	exon (NM_	4552	NM_012106	23568	Hs.632873	NM_012106	ENSG00000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr3-5322	10.16035	0.253917	0.736038	0.344979	0.73011	0.981636	chr3	53223628	53242025	+	0	NA	intron (N	intron (N	23196	NM_001064	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketo	protein-coding
chr1-2576	5.699016	-0.3333	0.966172	-0.34497	0.730114	0.981636	chr1	25764016	25764942	+	0	NA	intron (N	AluSz|SIN	-35714	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr6-1600	5.699016	-0.3333	0.966172	-0.34497	0.730114	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	L1PB4|LIN	-9122	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr9-7168	5.699016	-0.3333	0.966172	-0.34497	0.730114	0.981636	chr9	71687867	71688540	+	0	NA	intron (N	intron (N	80310	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr1-5508	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr1	55083915	55086795	+	0	NA	intron (N	intron (N	45133	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr12-215	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr12	21507777	21509032	+	0	NA	exon (NM_	exon (NM_	6615	NM_016072	51026	Hs.62275	NM_016072	ENSG00000	GOLT1B	CGI-141|G	golgi tra	protein-coding
chr12-954	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr12	95476314	95478164	+	0	NA	intron (N	AluSx1|SI	3087	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr13-500	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr13	50067001	50068150	+	0	NA	intron (N	AluY|SINE	14466	NR_152570	8847	Hs.547964	NR_002612	ENSG00000	DLEU2	ALT1|BCMS	deleted i	ncRNA
chr2-3926	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr2	39261871	39266054	+	0	NA	intron (N	intron (N	-19979	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr6-1497	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MC4|LIN	16343	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr9-8601	8.889025	-0.27022	0.783675	-0.34481	0.730234	0.981636	chr9	86018170	86018406	+	0	NA	exon (NM_	exon (NM_	76759	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr1-1469	9.110323	0.268416	0.778619	0.344734	0.730294	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	exon (NM_	exon (NM_	30937	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr11-541	4.469566	0.370764	1.075989	0.344579	0.730411	0.981636	chr11	54103182	54104141	+	0	NA	Intergeni	ALR/Alpha	500337	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr14-926	4.469566	0.370764	1.075989	0.344579	0.730411	0.981636	chr14	92641689	92642570	+	0	NA	intron (N	AluJr|SIN	65895	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr16-674	4.469566	0.370764	1.075989	0.344579	0.730411	0.981636	chr16	67452485	67453274	+	0	NA	intron (N	intron (N	21758	NM_000196	3291	Hs.1376	NM_000196	ENSG00000	HSD11B2	AME|AME1|	hydroxyst	protein-coding
chr8-1405	4.469566	0.370764	1.075989	0.344579	0.730411	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	50572	NM_001164	27161	Hs.660189	NM_012154	ENSG00000	AGO2	CASC7|EIF	argonaute	protein-coding
chr1-1930	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	Intergeni	Tigger1|D	54471	NR_135615	1.07E+08		NR_135615	ENSG00000	SCARNA18B	-	small Caj	ncRNA
chr10-731	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr10	73159911	73160337	+	0	NA	intron (N	AluSx|SIN	7884	NM_007265	11319	Hs.631822	NM_007265	ENSG00000	ECD	GCR2|HSGT	ecdysonel	protein-coding
chr12-858	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr12	858502	859522	+	0	NA	intron (N	intron (N	74064	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr12-535	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr12	53506758	53507461	+	0	NA	TTS (NM_0	TTS (NM_0	375	NM_001320	8620	Hs.733076	NM_003717	ENSG00000	NPFF	FMRFAL	neuropept	protein-coding
chr15-846	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr15	84642964	84643755	+	0	NA	TTS (NR_0	TTS (NR_0	10887	NR_130944	84942	Hs.745027	NM_032856	ENSG00000	WDR73	GAMOS|GAM	WD repeat	protein-coding
chr16-247	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr16	24762814	24763622	+	0	NA	intron (N	intron (N	33567	NM_014494	27327	Hs.655057	NM_014494	ENSG00000	TNRC6A	CAGH26|FA	trinucleo	protein-coding
chr17-850	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr17	8500032	8500750	+	0	NA	intron (N	intron (N	64507	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr22-382	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr22	38221322	38222249	+	0	NA	intron (N	intron (N	2935	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr3-1194	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	MER58B|DN	-11325	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr4-5190	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr4	51903634	51904470	+	0	NA	intron (N	L1MEc|LIN	60473	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr5-1129	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	3335	NM_005669	7905	Hs.429608	NM_005669	ENSG00000	REEP5	C5orf18|D	receptor	protein-coding
chr7-1396	5.691158	-0.33103	0.960797	-0.34453	0.730446	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSz|SIN	109987	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr10-620	5.221844	-0.34992	1.015904	-0.34444	0.730514	0.981636	chr10	62007783	62009217	+	0	NA	intron (N	intron (N	-40857	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-333	5.221844	-0.34992	1.015904	-0.34444	0.730514	0.981636	chr11	33329716	33330533	+	0	NA	intron (N	MIR3|SINE	-45984	NM_012194	25758	Hs.502266	NM_012194	ENSG00000	KIAA1549L	C11orf41|	KIAA1549	protein-coding
chr16-864	5.221844	-0.34992	1.015904	-0.34444	0.730514	0.981636	chr16	86461189	86461602	+	0	NA	Intergeni	MLT1G1|LT	47465	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr9-1015	5.221844	-0.34992	1.015904	-0.34444	0.730514	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	10972	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr14-350	9.614769	0.260141	0.75544	0.344358	0.730577	0.981636	chr14	35090359	35092307	+	0	NA	intron (N	intron (N	10252	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-490	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr12	49040761	49049347	+	0	NA	intron (N	intron (N	10270	NM_003482	8085	Hs.731384	NM_003482	ENSG00000	KMT2D	AAD10|ALR	lysine me	protein-coding
chr13-491	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr13	49197657	49199431	+	0	NA	exon (NM_	exon (NM_	-21794	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr15-509	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr15	50968559	50972941	+	0	NA	intron (N	L1M2c|LIN	26621	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr16-889	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr16	8899878	8903259	+	0	NA	intron (N	intron (N	-32556	NM_001278	23589	Hs.632184	NM_014316	ENSG00000	CARHSP1	CRHSP-24|	calcium r	protein-coding
chr2-1021	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	3140	NM_000877	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding
chr5-1381	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	16876	NM_006696	10902	Hs.519337	NM_006696	ENSG00000	BRD8	SMAP|SMAP	bromodoma	protein-coding
chr6-3696	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr6	36968365	36978644	+	0	NA	intron (N	intron (N	13047	NM_001271	23787	Hs.485262	NM_014341	ENSG00000	MTCH1	CGI-64|PI	mitochond	protein-coding
chr7-4456	10.6648	0.247078	0.717713	0.344257	0.730653	0.981636	chr7	44567312	44572624	+	0	NA	intron (N	intron (N	4570	NM_019082	54606	Hs.654762	NM_019082	ENSG00000	DDX56	DDX21|DDX	DEAD-box	protein-coding
chr4-1044	8.938022	-0.26934	0.782441	-0.34423	0.730672	0.981636	chr4	10444735	10446724	+	0	NA	exon (NM_	exon (NM_	11697	NM_053042	85460	Hs.455089	NM_053042	ENSG00000	ZNF518B	-	zinc fing	protein-coding
chr9-1217	8.938022	-0.26934	0.782441	-0.34423	0.730672	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	L1M5|LINE	34930	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr19-448	8.94588	-0.27081	0.786779	-0.3442	0.730697	0.981636	chr19	44893471	44894687	+	0	NA	intron (N	intron (N	2825	NM_006114	10452	Hs.655909	NM_006114	ENSG00000	TOMM40	C19orf1|D	transloca	protein-coding
chr19-252	19.80073	0.187965	0.546228	0.344115	0.73076	0.981636	chr19	25207304	25207749	+	0	NA	Intergeni	ALR/Alpha	-1044079	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-771	13.11751	-0.2248	0.653258	-0.34411	0.73076	0.981636	chr17	77173943	77174934	+	0	NA	intron (N	HERVIP10F	-10775	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr1-1009	8.427568	-0.27959	0.813851	-0.34354	0.731189	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA5|LIN	37560	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr15-847	8.427568	-0.27959	0.813851	-0.34354	0.731189	0.981636	chr15	84774735	84774934	+	0	NA	intron (N	AluSx|SIN	26242	NM_014630	9640	Hs.79347	NM_014630	ENSG00000	ZNF592	CAMOS|SCA	zinc fing	protein-coding
chr2-2083	8.427568	-0.27959	0.813851	-0.34354	0.731189	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	L1PA3|LIN	-36063	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr9-1228	8.427568	-0.27959	0.813851	-0.34354	0.731189	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	14958	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr15-754	10.11921	0.252647	0.735726	0.343399	0.731299	0.981636	chr15	75427998	75428549	+	0	NA	intron (N	Charlie10	23417	NM_015477	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr3-1016	10.11921	0.252647	0.735726	0.343399	0.731299	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-27508	NR_024407	1E+08	Hs.743292	NR_024407	ENSG00000	ZBTB11-AS	-	ZBTB11 an	ncRNA
chr19-880	5.706874	-0.33564	0.977468	-0.34337	0.731317	0.981636	chr19	8808100	8808848	+	0	NA	3’ UTR (N	3’ UTR (N	13589	NM_001304	148156	Hs.349444	NM_144693	ENSG00000	ZNF558	-	zinc fing	protein-coding
chr6-4130	11.70697	0.23765	0.692504	0.343176	0.731466	0.981636	chr6	4130336	4130901	+	0	NA	non-codin	non-codin	4850	NM_001166	10455	Hs.15250	NM_006117	ENSG00000	ECI2	ACBD2|DRS	enoyl-CoA	protein-coding
chr1-1693	11.16925	0.24085	0.702006	0.343088	0.731532	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	TTS (NM_0	TTS (NM_0	9475	NM_001320	8548	Hs.130746	NM_003666	ENSG00000	BLZF1	GOLGIN-45	basic leu	protein-coding

chr11-627	11.16925	0.24085	0.702006	0.343088	0.731532	0.981636	chr11	62792380	62803877	+	0	NA	intron (N	AluSz|SIN	-5357	NR_106769	1.02E+08		NR_106769	ENSG00000	MIR6514	hsa-mir-6	microRNA	ncRNA
chr16-756	11.16925	0.24085	0.702006	0.343088	0.731532	0.981636	chr16	75654271	75657285	+	0	NA	intron (N	L2a|LINE|	8005	NM_018975	54386	Hs.301419	NM_018975	ENSG00000	TERF2IP	DRIP5|RAF	TERF2 int	protein-coding
chr2-1866	11.16925	0.24085	0.702006	0.343088	0.731532	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	L1MB7|LIN	-22431	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr17-304	8.680298	0.281952	0.821937	0.343034	0.731573	0.981636	chr17	30498521	30498746	+	0	NA	intron (N	intron (N	21225	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr1-2073	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	L1PA15|LI	26840	NR_125349	1604	Hs.126517	NM_000574	ENSG00000	CD55	CHAPLE|CR	CD55 mole	protein-coding
chr14-242	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr14	24200877	24203614	+	0	NA	Intergeni	MER11C|LT	-3451	NM_001184	283629	Hs.314432	NM_174944	ENSG00000	TSSK4	C14orf20|	testis sp	protein-coding
chr16-844	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr16	84466409	84468539	+	0	NA	promoter-	promoter-	-113	NR_146503	1.05E+08	Hs.610979	NR_146503	ENSG00000	ATP2C2-AS	-	ATP2C2 ar	ncRNA
chr17-302	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr17	30265867	30266838	+	0	NA	intron (N	AluY|SINE	25592	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr3-1792	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	L2a|LINE|	40732	NM_014407	27094	Hs.591285	NM_014407	ENSG00000	KCNMB3	BKBETA3|	potassium	protein-coding
chr3-1964	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	20335	NM_152617	165918	Hs.250648	NM_152617	ENSG00000	RNF168	hRNF168	ring fing	protein-coding
chr7-1491	8.930164	-0.26786	0.780887	-0.34302	0.731584	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	LOR1a|LTR	4345	NM_020781	57541	Hs.632032	NM_020781	ENSG00000	ZNF398	P51|P71|Z	zinc fing	protein-coding
chr2-2332	8.647016	0.278858	0.813001	0.342999	0.731599	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	-2736	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Ca	ncRNA
chr1-1456	8.484424	-0.28011	0.817315	-0.34272	0.731811	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	41124	NM_001097	653519	Hs.504320	NM_001097	ENSG00000	GPR89A	GPHR|GPR8	G protein	protein-coding
chr11-661	5.180704	-0.35395	1.032933	-0.34267	0.731847	0.981636	chr11	66199106	66199991	+	0	NA	intron (N	L1MA3|LIN	-57746	NM_001134	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr3-2391	13.57896	-0.22064	0.644253	-0.34247	0.732	0.981636	chr3	23917860	23920695	+	0	NA	exon (NM_	exon (NM_	2145	NM_001253	6138	Hs.381219	NM_002948	ENSG00000	RPL15	DBA12|EC4	ribosomal	protein-coding
chr11-860	7.93283	-0.29406	0.859158	-0.34227	0.732149	0.981636	chr11	86014688	86014976	+	0	NA	intron (N	intron (N	54252	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr17-824	7.93283	-0.29406	0.859158	-0.34227	0.732149	0.981636	chr17	82465900	82466099	+	0	NA	intron (N	intron (N	7258	NM_012336	26502	Hs.256526	NM_012336	ENSG00000	NARF	IOP2	nuclear p	protein-coding
chr1-1179	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr1	11795643	11796671	+	0	NA	intron (N	intron (N	7520	NM_001330	4524	Hs.214142	NM_005957	ENSG00000	MTHFR	-	methylene	protein-coding
chr1-5145	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr1	51458398	51459395	+	0	NA	intron (N	intron (N	-36801	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr1-8672	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr1	86728800	86730536	+	0	NA	intron (N	intron (N	25092	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr1-2201	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	37261	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr10-285	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr10	28555978	28557500	+	0	NA	intron (N	L1M3|LINE	23621	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr10-124	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx|SIN	7134	NM_212554	399818	Hs.720819	NM_212554	ENSG00000	EEF1AKMT2	C10orf138	EEF1A lys	protein-coding
chr11-122	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr11	12215884	12216673	+	0	NA	exon (NM_	exon (NM_	52595	NR_106739	1.02E+08		NR_106739	ENSG00000	MIR6124	hsa-mir-6	microRNA	ncRNA
chr11-330	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr11	33077682	33079156	+	0	NA	non-codir	non-codir	2269	NR_015451	283267	Hs.533701	NR_015451	ENSG00000	LINC00294	NCRNA0029	long inte	ncRNA
chr11-684	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr11	68427735	68428558	+	0	NA	intron (N	AluSq2|SI	-32606	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr11-102	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	71047	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr11-124	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	TTS (NR_0	TTS (NR_0	13978	NR_016021	84897	Hs.436410	NM_032811	ENSG00000	TBRG1	NIAM|TB-5	transform	protein-coding
chr14-214	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr14	21480365	21481400	+	0	NA	intron (N	AluSp|SIN	3687	NM_001303	9878	Hs.555910	NM_014828	ENSG00000	TOX4	C14orf92|	TOX high	protein-coding
chr14-313	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr14	31362154	31363818	+	0	NA	intron (N	AluSx|SIN	57564	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-601	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr14	60132215	60134388	+	0	NA	intron (N	L1MB7|LIN	32097	NM_016029	51635	Hs.59719	NM_016029	ENSG00000	DHRS7	CGI-86|SD	dehydroge	protein-coding
chr15-417	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr15	41754811	41755738	+	0	NA	intron (N	intron (N	-19210	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr15-519	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr15	51955561	51956780	+	0	NA	intron (N	AluSx|SIN	15608	NM_001323	123169	Hs.567662	NM_138792	ENSG00000	LEO1	RDL	LEO1 homo	protein-coding
chr15-712	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr15	71232830	71235211	+	0	NA	intron (N	MamGypLTR	-44961	NR_120349	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr16-676	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr16	67616684	67618830	+	0	NA	intron (N	L1M5|LINE	-27387	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr16-727	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr16	72795845	72796253	+	0	NA	exon (NM_	exon (NM_	-131079	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr16-892	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr16	89297120	89298331	+	0	NA	non-codir	non-codir	1597	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-307	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr17	30773989	30776812	+	0	NA	intron (N	intron (N	49292	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr17-375	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr17	37541941	37542964	+	0	NA	exon (NM_	exon (NM_	52561	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr17-475	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr17	47546326	47551606	+	0	NA	intron (N	intron (N	17858	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr18-130	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr18	13019744	13020354	+	0	NA	intron (N	AluSz|SIN	28687	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr19-495	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr19	4950726	4953958	+	0	NA	intron (N	AluSx1|SI	-16771	NM_015015	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr19-344	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr19	34440900	34441295	+	0	NA	intron (N	L1M5|LINE	12716	NM_005499	10054	Hs.631580	NM_005499	ENSG00000	UBA2	ARX|HRIHF	ubiquitin	protein-coding
chr2-3237	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	32371620	32373923	+	0	NA	intron (N	AluJb|SIN	15743	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-3700	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	37005495	37006364	+	0	NA	intron (N	intron (N	-39393	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr2-5385	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	53854264	53854773	+	0	NA	exon (NM_	exon (NM_	-5313	NR_037453	1.01E+08		NR_037453	ENSG00000	MIR3682	mir-3682	microRNA	ncRNA
chr2-8609	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	86092273	86094448	+	0	NA	intron (N	L1MC4|LIN	12526	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1719	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	L1MB8|LIN	4762	NM_003642	8520	Hs.632532	NM_003642	ENSG00000	HAT1	KAT1	histone a	protein-coding
chr2-2303	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1HS|LINE	13708	NM_001352	93349	Hs.589661	NM_138402	ENSG00000	SP140L	-	SP140 nuc	protein-coding
chr2-2311	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	Intergeni	Intergeni	-23235	NM_025139	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-367	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr20	36756779	36758538	+	0	NA	intron (N	intron (N	-11568	NM_032013	57446	Hs.437338	NM_022477	ENSG00000	NDRG3	-	NDRG fami	protein-coding
chr20-378	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr20	37853475	37853942	+	0	NA	intron (N	intron (N	-49419	NM_080607	128434	Hs.517029	NM_080607	ENSG00000	VSTM2L	C20orf102	V-set and	protein-coding
chr20-542	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr20	54215055	54215599	+	0	NA	exon (NM_	exon (NM_	7240	NM_002623	5203	Hs.91161	NM_002623	ENSG00000	PFDN4	C1|PFD4	prefoldin	protein-coding
chr22-387	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr22	38745246	38746803	+	0	NA	intron (N	intron (N	9442	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr3-5274	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr3	52741992	52742970	+	0	NA	intron (N	intron (N	28459	NM_001348	6787	Hs.631921	NM_003157	ENSG00000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr3-1248	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	17755	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr3-1794	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	L1M6|LINE	48661	NM_021629	59345	Hs.173030	NM_021629	ENSG00000	GNB4	CMTD1F	G protein	protein-coding
chr4-9532	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr4	953244	953443	+	0	NA	exon (NM_	exon (NM_	20226	NM_001347	1609	Hs.584858	NM_001347	ENSG00000	DGKQ	DAGK|DAGK	diacylgly	protein-coding
chr4-1230	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr4	1230054	1231043	+	0	NA	intron (N	intron (N	18582	NM_001328	1487	Hs.208597	NM_001328	ENSG00000	CTBP1	BARS|HADD	C-termina	protein-coding
chr4-1561	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr4	15615637	15620062	+	0	NA	intron (N	L1PA11|LI	37508	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box and	protein-coding
chr5-1265	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluY|SINE	18972	NM_001201	501	Hs.483239	NM_001182	ENSG00000	ALDH7A1	ATQ1|EPD|	aldehyde	protein-coding
chr5-1548	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSx3|SI	36294	NM_001301	9337	Hs.26703	NM_004779	ENSG00000	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr5-1695	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr5	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	11755	NM_001329	54908	Hs.368710	NM_017785	ENSG00000	SPDL1	CCDC99	spindle a	protein-coding
chr6-3215	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr6	32158989	32159509	+	0	NA	intron (N	AluSp|SIN	-4884	NR_037172	1.01E+08	Hs.549204	NR_037169	ENSG00000	LOC100507	-	uncharact	ncRNA
chr6-1323	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	80524	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr6-1332	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	22527	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr6-1365	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-6747	NM_003980	9053	Hs.486548	NM_003980	ENSG00000	MAP7	E-MAP-115	microtubu	protein-coding
chr6-1497	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L2a|LINE|	41930	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr7-1301	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	12596	NM_032842	84928	Hs.267245	NM_032842	ENSG00000	TMEM209	NET31	transmemb	protein-coding
chr7-1343	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	15851	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr7-1397	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L2b|LINE|	4944	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr8-1932	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr8	19324599	19326186	+	0	NA	intron (N	MIRb|SINE	11416	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-3897	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr8	38971139	38972486	+	0	NA	3’ UTR (N	3’ UTR (N	-2416	NM_153692	203100	Hs.661014	NM_153692	ENSG00000	HTRA4	-	HtrA seri	protein-coding
chr8-8649	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr8	86491243	86491905	+	0	NA	intron (N	intron (N	17112	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr8-1437	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	L1MC4|LIN	15646	NR_030633	1E+08		NR_030633	ENSG00000	MIR937	MIRN937|h	microRNA	ncRNA
chr9-5753	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr9	5753068	5755776	+	0	NA	intron (N	intron (N	78695	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-3304	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr9	33049472	33051856	+	0	NA	intron (N	AluSg4|SI	25391	NM_001539	3301	Hs.445203	NM_001539	ENSG00000	DNAJA1	DJ-2|DjA1	DnaJ heat	protein-coding
chr9-7029	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr9	70294022	70294922	+	0	NA	intron (N	L2|LINE|L	35494	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr9-9355	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chr9	93555385	93556902	+	0	NA	intron (N	intron (N	-20441	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chrX-5290	5.6833	-0.32876	0.960747	-0.34219	0.73221	0.981636	chrX	52903650	52904384	+	0	NA	intron (N	L1MD|LINE	4958	NM_001099	727866	Hs.6451	NM_001099	ENSG00000	FAM156B	TMEM29B	family wi	protein-coding
chr1-2365	8.476566	-0.27858	0.814135	-0.34217	0.73222	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	22109	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr14-677	8.476566	-0.27858	0.814135	-0.34217	0.73222	0.981636	chr14	67792895	67793436	+	0	NA	intron (N	AluSx1|SI	23425	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr12-296	9.350481	-0.26167	0.764726	-0.34217	0.73222	0.981636	chr12	29628216	29630275	+	0	NA	intron (N	AluY|SINE	-129552	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr2-2311	9.350481	-0.26167	0.764726	-0.34217	0.73222	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-32087	NM_025139	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr5-1296	9.350481	-0.26167	0.764726	-0.34217	0.73222	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L2|LINE|L	-81062	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1329	9.350481	-0.26167	0.764726	-0.34217	0.73222	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYa5|SI	8931	NM_014423	27125	Hs.519313	NM_014423	ENSG00000	AFF4	AF5Q31|CH	AF4/FMR2	protein-coding
chr11-748	3.939696	0.394157	1.151986	0.342154	0.732235	0.981636	chr11	74883258	74884082	+	0	NA	intron (N	HUERS-P3-	65421	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rac	protein-coding
chr5-6959	9.3172	-0.2655	0.776069	-0.34211	0.732272	0.981636	chr5	69592503	69592804	+	0	NA	TTS (NM_0	TTS (NM_0	32408	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr11-658	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr11	65867088	65871423	+	0	NA	intron (N	MIRb|SINE	3545	NR_037718	30008	Hs.731454	NM_016938	ENSG00000	EFEMP2	ARCL1B|FB	EGF conta	protein-coding
chr3-4770	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr3	47705895	47706563	+	0	NA	intron (N	AluSx|SIN	-44535	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-1192	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	4373	NM_212543	8702	Hs.13225	NM_003778	ENSG00000	B4GALT4	B4Gal-T4|	beta-1,4-	protein-coding
chr4-1381	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	42744	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr6-1508	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	Intergeni	LTR12_|LT	-16176	NM_015440	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr9-1348	9.399479	-0.26084	0.762513	-0.34209	0.732287	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5694	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-2432	10.62366	0.245847	0.718875	0.341988	0.73236	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	34334	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr1-2038	9.407337	-0.26231	0.76788	-0.3416	0.732652	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	Intergeni	AluSz|SIN	-6318	NM_003094	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr13-363	9.407337	-0.26231	0.76788	-0.3416	0.732652	0.981636	chr13	36330893	36331319	+	0	NA	intron (N	MIR|SINE|	15288	NM_015087	23111	Hs.440414	NM_015087	ENSG00000	SPART	SPG20|TAH	spartin	protein-coding
chr3-5333	9.407337	-0.26231	0.76788	-0.3416	0.732652	0.981636	chr3	53335919	53337093	+	0	NA	intron (N	L1MEd|LIN	-3379	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr7-1285	9.407337	-0.26231	0.76788	-0.3416	0.732652	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	Intergeni	57718	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr1-2471	4.991578	0.355598	1.041079	0.341567	0.732677	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	Intergeni	Intergeni	-14298	NM_001297	7678	Hs.421238	NM_003431	ENSG00000	ZNF124	HZF-16|HZ	zinc fing	protein-coding
chr3-1384	4.991578	0.355598	1.041079	0.341567	0.732677	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-32936	NR_136409	83850	Hs.477711	NM_031913	ENSG00000	ESYT3	CHR3SYT|F	extended	protein-coding
chr1-1458	11.67369	0.235171	0.688508	0.341566	0.732677	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSz|SIN	4165	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr11-648	11.67369	0.235171	0.688508	0.341566	0.732677	0.981636	chr11	6482845	6483565	+	0	NA	3’ UTR (N	3’ UTR (N	1704	NM_012192	26515	Hs.54943	NM_012192	ENSG00000	TIMM10B	FXC1|TIM1	transloca	protein-coding
chr11-776	11.67369	0.235171	0.688508	0.341566	0.732677	0.981636	chr11	77697861	77698512	+	0	NA	intron (N	intron (N	-60380	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr8-9812	11.67369	0.235171	0.688508	0.341566	0.732677	0.981636	chr8	98123216	98127194	+	0	NA	intron (N	AluSz|SIN	7365	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr20-326	9.622627	0.258545	0.757187	0.341455	0.732761	0.981636	chr20	3263574	3264235	+	0	NA	intron (N	intron (N	-24714	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr21-392	9.622627	0.258545	0.757187	0.341455	0.732761	0.981636	chr21	39247698	39247897	+	0	NA	exon (NM_	exon (NM_	-64283	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr1-7963	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr1	7963102	7968117	+	0	NA	intron (N	intron (N	3898	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding
chr1-1007	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5658	NM_001078	7412	Hs.109225	NM_001078	ENSG00000	VCAM1	CD106|INC	vascular	protein-coding
chr10-619	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr10	61932571	61934019	+	0	NA	intron (N	Tigger1|D	31596	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-702	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr10	70205893	70210678	+	0	NA	intron (N	intron (N	25144	NM_021129	5464	Hs.437403	NM_021129	ENSG00000	PPA1	HEL-S-66p	pyrophosp	protein-coding
chr10-878	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr10	87811561	87812916	+	0	NA	intron (N	intron (N	5993	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr10-119	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJb|SIN	13869	NM_199461	340719	Hs.591918	NM_199461	ENSG00000	NANOS1	EC_Rep1a|	nanos C2H	protein-coding
chr11-595	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr11	59575777	59578422	+	0	NA	intron (N	intron (N	18059	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr11-639	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr11	63902113	63902798	+	0	NA	intron (N	MIRc|SINE	13918	NM_017490	2011	Hs.567261	NM_004954	ENSG00000	MARK2	EMK-1|EMK	microtubu	protein-coding
chr13-951	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr13	95129463	95130564	+	0	NA	intron (N	AluSq2|SI	-80331	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr13-110	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	70399	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr16-294	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr16	29462330	29462695	+	0	NA	intron (N	AluSg|SIN	2626	NM_177552	6818	Hs.460558	NM_003166	ENSG00000	SULT1A3	HAST|HAST	sulfotran	protein-coding
chr19-111	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr19	11183034	11188407	+	0	NA	intron (N	L1M5|LINE	8870	NM_015493	25959	Hs.284208	NM_015493	ENSG00000	KANK2	ANKRD25|M	KN motif	protein-coding
chr19-525	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr19	52571970	52585100	+	0	NA	intron (N	LTR13A|LT	7871	NM_001172	55762	Hs.235167	NM_018260	ENSG00000	ZNF701	-	zinc fing	protein-coding
chr2-2032	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluJo|SIN	28620	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr3-1238	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MEi|LIN	29983	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1249	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-56254	NM_033049	56667	Hs.5940	NM_033049	ENSG00000	MUC13	DRCC1|MUC	mucin 13,	protein-coding

chr4-1222	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr4	1.22E+08	1.22E+08	+		0	NA	intron (N	intron (N	93617	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-3852	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr5	38521232	38524225	+		0	NA	intron (N	intron (N	33918	NM_001127	3977	Hs.133421	NM_002310	ENSG00000	LIFR	CD118|LIF	LIF recep	protein-coding
chr5-1283	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr5	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	184839	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillin	protein-coding
chr7-7289	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr7	72890205	72894352	+		0	NA	intron (N	intron (N	1651	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr7-1432	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr7	1.43E+08	1.43E+08	+		0	NA	intron (N	AluSx1|SI	3415	NM_001224	835	Hs.368982	NM_001224	ENSG00000	CASP2	CASP-2|IC	caspase 2	protein-coding
chr8-1197	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr8	1.2E+08	1.2E+08	+		0	NA	intron (N	intron (N	29917	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr9-1228	9.391621	-0.25941	0.759771	-0.34143	0.732779	0.981636	chr9	1.23E+08	1.23E+08	+		0	NA	intron (N	AluJr|SIN	2478	NM_005388	5082	Hs.271749	NM_005388	ENSG00000	PDCL	PhLP	phosducin	protein-coding
chr12-129	10.12707	0.25116	0.735928	0.341283	0.73289	0.981636	chr12	12987939	12989170	+		0	NA	intron (N	intron (N	8717	NR_038920	1.01E+08	Hs.127718	NR_038920	ENSG00000	GPRC5D-AS	-	GPRC5D an	ncRNA
chr16-585	10.12707	0.25116	0.735928	0.341283	0.73289	0.981636	chr16	58578884	58579261	+		0	NA	intron (N	L1MC5a|LI	-19141	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNO	small nuc	snoRNA
chr17-488	10.12707	0.25116	0.735928	0.341283	0.73289	0.981636	chr17	48848231	48850437	+		0	NA	exon (NM_	exon (NM_	18299	NM_001261	10241	Hs.514920	NM_005831	ENSG00000	CALCOCO2	NDP52	calcium b	protein-coding
chr17-160	8.922306	-0.26634	0.782075	-0.34056	0.733434	0.981636	chr17	16091371	16091631	+		0	NA	TTS (NM_0	TTS (NM_0	61695	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr2-2298	8.922306	-0.26634	0.782075	-0.34056	0.733434	0.981636	chr2	2.3E+08	2.3E+08	+		0	NA	intron (N	intron (N	-91887	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr3-2741	8.922306	-0.26634	0.782075	-0.34056	0.733434	0.981636	chr3	27414065	27415052	+		0	NA	intron (N	Tigger2|D	42220	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr7-2295	8.922306	-0.26634	0.782075	-0.34056	0.733434	0.981636	chr7	22959048	22960909	+		0	NA	intron (N	intron (N	54152	NM_032581	84668	Hs.85603	NM_032581	ENSG00000	FAM126A	DRCTNNB1A	family wi	protein-coding
chr11-118	10.63152	0.24444	0.717762	0.340559	0.733436	0.981636	chr11	1.19E+08	1.19E+08	+		0	NA	intron (N	intron (N	-5972	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr16-302	10.63152	0.24444	0.717762	0.340559	0.733436	0.981636	chr16	30241056	30245343	+		0	NA	intron (N	intron (N	2656	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr7-5474	10.63152	0.24444	0.717762	0.340559	0.733436	0.981636	chr7	54748357	54748800	+		0	NA	Intergeni	Intergeni	10633	NM_014302	23480	Hs.488282	NM_014302	ENSG00000	SEC61G	SSS1	SEC61 tra	protein-coding
chr11-570	8.961596	-0.27377	0.80444	-0.34032	0.733616	0.981636	chr11	5703100	5703800	+		0	NA	intron (N	AluY|SINE	13660	NM_006074	10346	Hs.501778	NM_006074	ENSG00000	TRIM22	GPSTAF50|	tripartit	protein-coding
chr2-5523	13.10179	-0.2227	0.654389	-0.34031	0.733621	0.981636	chr2	55233992	55236595	+		0	NA	TTS (NR_0	TTS (NR_0	1129	NR_039624	1.01E+08		NR_039624	ENSG00000	MIR4426	-	microRNA	ncRNA
chr22-364	10.70594	0.248294	0.729616	0.340308	0.733625	0.981636	chr22	36475634	36476876	+		0	NA	intron (N	intron (N	5385	NM_012473	25828	Hs.211929	NM_012473	ENSG00000	TXN2	COXPD29|M	thioredox	protein-coding
chr1-1567	10.67266	0.245646	0.72193	0.340264	0.733658	0.981636	chr1	1.57E+08	1.57E+08	+		0	NA	intron (N	AluSz|SIN	20386	NM_005973	5546	Hs.516948	NM_005973	ENSG00000	PRCC	RCCP1|TPR	proline r	protein-coding
chr1-1610	10.67266	0.245646	0.72193	0.340264	0.733658	0.981636	chr1	1.61E+08	1.61E+08	+		0	NA	exon (NM_	exon (NM_	-2695	NM_001113	1E+08	Hs.720030	NM_001113	ENSG00000	TSTD1	KAT|TST	thiosulfa	protein-coding
chr19-347	10.67266	0.245646	0.72193	0.340264	0.733658	0.981636	chr19	34762380	34770777	+		0	NA	intron (N	intron (N	6637	NM_001007	148103	Hs.590961	NM_001007	ENSG00000	ZNF599	-	zinc fing	protein-coding
chr20-943	10.67266	0.245646	0.72193	0.340264	0.733658	0.981636	chr20	9436912	9439768	+		0	NA	intron (N	AluYk4|SI	-76018	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr4-1187	11.12811	0.239667	0.704429	0.340228	0.733685	0.981636	chr4	1.19E+08	1.19E+08	+		0	NA	intron (N	intron (N	20141	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr5-1295	8.14257	0.288947	0.849479	0.340146	0.733746	0.981636	chr5	1.3E+08	1.3E+08	+		0	NA	intron (N	intron (N	-139261	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr4-6766	10.16821	0.252374	0.742076	0.340091	0.733788	0.981636	chr4	67667894	67668493	+		0	NA	intron (N	intron (N	32962	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOF	ubiquitin	protein-coding
chr3-1976	19.30414	0.189126	0.556134	0.340073	0.733802	0.981636	chr3	1.98E+08	1.98E+08	+		0	NA	intron (N	intron (N	4421	NR_003266	220729	Hs.478854	NR_003266	ENSG00000	LOC220729	-	succinate	pseudo
chr15-656	9.415195	-0.26381	0.776026	-0.33996	0.73389	0.981636	chr15	65674383	65674796	+		0	NA	intron (N	AluJb|SIN	22347	NR_145750	1.1E+08		NR_145750	ENSG00000	SNORD13E	-	small nuc	snoRNA
chr2-6915	9.415195	-0.26381	0.776026	-0.33996	0.73389	0.981636	chr2	69155994	69156906	+		0	NA	intron (N	intron (N	52768	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr10-103	10.10535	0.264742	0.77882	0.339927	0.733911	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	62066	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucle	protein-coding
chr1-2259	11.1771	0.239503	0.704689	0.33987	0.733955	0.981636	chr1	2.26E+08	2.26E+08	+		0	NA	exon (NM_	exon (NM_	6805	NM_152608	163859	Hs.520192	NM_152608	ENSG00000	SDE2	C1orf55|c	SDE2 telo	protein-coding
chr13-327	11.1771	0.239503	0.704689	0.33987	0.733955	0.981636	chr13	32712541	32714879	+		0	NA	intron (N	L1M6|LINE	127258	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr1-3754	8.881167	-0.26865	0.790559	-0.33982	0.733989	0.981636	chr1	37542504	37542786	+		0	NA	intron (N	AluJb|SIN	11648	NM_024700	79753	Hs.47232	NM_024700	ENSG00000	SNIP1	PML1|PMRP	Smad nucl	protein-coding
chr13-413	8.881167	-0.26865	0.790559	-0.33982	0.733989	0.981636	chr13	41358834	41359278	+		0	NA	TTS (NM_0	TTS (NM_0	-47018	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochonc	protein-coding
chr1-1490	12.17814	0.229986	0.676897	0.339765	0.734033	0.981636	chr1	1.49E+08	1.49E+08	+		0	NA	intron (N	intron (N	2687	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2271	9.84337	-0.25997	0.765403	-0.33965	0.73412	0.981636	chr1	2.27E+08	2.27E+08	+		0	NA	intron (N	MIR|SINE|	171525	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr10-952	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr10	95256425	95265022	+		0	NA	intron (N	intron (N	30280	NM_020992	9124	Hs.368525	NM_020992	ENSG00000	PDLIM1	CLIM1|CLP	PDZ and L	protein-coding
chr10-974	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr10	97429055	97434554	+		0	NA	intron (N	AluJr|SIN	4127	NM_001317	5223	Hs.632918	NM_002629	ENSG00000	PGAM1	HEL-S-35|	phosphogl	protein-coding
chr11-112	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr11	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	3075	NM_001082	55216	Hs.195060	NM_018195	ENSG00000	NKAPD1	C11orf57	NKAP doma	protein-coding
chr12-510	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr12	51053741	51054707	+		0	NA	intron (N	intron (N	5897	NR_045020	25875	Hs.655272	NM_015416	ENSG00000	LETMD1	111001901	LETM1 dom	protein-coding
chr12-566	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr12	56663661	56672573	+		0	NA	intron (N	AluSq2|SI	19880	NR_104219	10728	Hs.50425	NM_006601	ENSG00000	PTGES3	P23|TEBP|	prostagla	protein-coding
chr12-123	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr12	1.24E+08	1.24E+08	+		0	NA	intron (N	intron (N	8259	NM_001321	10959	Hs.733403	NM_006815	ENSG00000	TMED2	P24A|RNP2	transmemb	protein-coding
chr14-504	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr14	50455460	50457527	+		0	NA	intron (N	intron (N	-59195	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr15-446	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr15	44645193	44648288	+		0	NA	intron (N	L1PA15|LI	16922	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-596	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr15	59650211	59652764	+		0	NA	intron (N	intron (N	5818	NM_001320	2958	Hs.512934	NM_004492	ENSG00000	GTF2A2	HsT18745|	general t	protein-coding
chr17-625	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr17	62536135	62537891	+		0	NA	intron (N	intron (N	55900	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr18-933	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr18	9337455	9346636	+		0	NA	intron (N	intron (N	7272	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr18-939	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr18	9395984	9400767	+		0	NA	intron (N	intron (N	63602	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr19-542	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr19	54201274	54208664	+		0	NA	intron (N	intron (N	4111	NM_001321	6203	Hs.467284	NM_001013	ENSG00000	RPS9	S9	ribosomal	protein-coding
chr2-2890	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr2	28906880	28911473	+		0	NA	intron (N	AluSq2|SI	-4486	NR_003074	692209		NR_003074	ENSG00000	SNORD92	HBII-316	small nuc	snoRNA
chr2-3945	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr2	39453460	39456829	+		0	NA	intron (N	intron (N	17728	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-2182	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr2	2.18E+08	2.18E+08	+		0	NA	intron (N	AluY|SINE	9176	NM_005731	10109	Hs.529303	NM_005731	ENSG00000	ARPC2	ARC34|PNA	actin rel	protein-coding
chr2-2374	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr2	2.37E+08	2.37E+08	+		0	NA	intron (N	intron (N	8743	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr3-1003	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr3	1E+08	1E+08	+		0	NA	intron (N	intron (N	-27684	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr3-1524	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr3	1.52E+08	1.52E+08	+		0	NA	intron (N	intron (N	-93036	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr5-1441	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr5	14419015	14426555	+		0	NA	intron (N	intron (N	-41198	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1388	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr5	1.39E+08	1.39E+08	+		0	NA	intron (N	intron (N	13911	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr6-1008	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr6	1.01E+08	1.01E+08	+		0	NA	intron (N	intron (N	15621	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr7-7470	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr7	74705339	74707522	+		0	NA	exon (NM_	exon (NM_	22488	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr7-1394	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr7	1.39E+08	1.39E+08	+		0	NA	intron (N	AluSx4|SI	18780	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr8-2811	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr8	28113038	28114138	+		0	NA	intron (N	intron (N	20449	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr8-3825	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr8	38250045	38250244	+		0	NA	intron (N	AluSx4|SI	18191	NM_001164	23259	Hs.434966	NM_015214	ENSG00000	DDHD2	SAMWD1|SF	DDHD doma	protein-coding
chr8-3831	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr8	38311326	38315963	+		0	NA	intron (N	AluY|SINE	-44412	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTF	phospholi	protein-coding
chr9-1073	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr9	1.07E+08	1.07E+08	+		0	NA	intron (N	intron (N	37617	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HF	RAD23 hom	protein-coding
chr9-1113	9.383763	-0.25799	0.759579	-0.33964	0.734125	0.981636	chr9	1.11E+08	1.11E+08	+		0	NA	intron (N	MIRc|SINE	-40763	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHC	olfactory	protein-coding
chr1-6543	7.479231	-0.30709	0.904708	-0.33944	0.734278	0.981636	chr1	6543837	6544336	+		0	NA	intron (N	AluSx|SIN	10427	NM_024654	79707	Hs.59425	NM_024654	ENSG00000	NOL9	Grc3|NET6	nucleolar	protein-coding
chr16-203	11.13596	0.238318	0.702174	0.3394	0.734308	0.981636	chr16	203802	209018	+		0	NA	intron (N	intron (N	23039	NM_018032	55692	Hs.16803	NM_018032	ENSG00000	LUC7L	LUC7B1|Lu	LUC7 like	protein-coding
chr6-1114	11.13596	0.238318	0.702174	0.3394	0.734308	0.981636	chr6	1.11E+08	1.11E+08	+		0	NA	intron (N	Tigger1|D	-79022	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr7-1008	11.13596	0.238318	0.702174	0.3394	0.734308	0.981636	chr7	1.01E+08	1.01E+08	+		0	NA	intron (N	AluJo|SIN	-2680	NM_001128	51593	Hs.111801	NM_015908	ENSG00000	SRRT	ARS2|ASR2	serrate,	protein-coding
chr16-291	9.663766	0.259746	0.765763	0.339199	0.73446	0.981636	chr16	2914163	2914953	+		0	NA	intron (N	intron (N	2579	NM_001308	84256	Hs.655321	NM_020912	ENSG00000	FLYWCH1	-	FLYWCH-ty	protein-coding
chr7-7698	9.663766	0.259746	0.765763	0.339199	0.73446	0.981636	chr7	76983145	76983688	+		0	NA	intron (N	AluJr|SIN	2594	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr1-1802	5.642161	-0.33258	0.981008	-0.33902	0.734595	0.981636	chr1	1.8E+08	1.8E+08	+		0	NA	3’ UTR (N	3’ UTR (N	-29063	NM_033343	89884	Hs.658487	NM_033343	ENSG00000	LHX4	CPHD4	LIM homeo	protein-coding
chr10-119	5.642161	-0.33258	0.981008	-0.33902	0.734595	0.981636	chr10	1.19E+08	1.19E+08	+		0	NA	non-codin	non-codin	27971	NR_110305	119559	Hs.655168	NM_178867	ENSG00000	SFXN4	BCRM1|COX	siderofle	protein-coding
chr22-352	5.642161	-0.33258	0.981008	-0.33902	0.734595	0.981636	chr22	35281859	35282467	+		0	NA	intron (N	intron (N	-17112	NM_001135	10043	Hs.474705	NM_005488	ENSG00000	TOM1	-	target of	protein-coding
chr3-1248	5.642161	-0.33258	0.981008	-0.33902	0.734595	0.981636	chr3	1.25E+08	1.25E+08	+		0	NA	intron (N	AluJr|SIN	31213	NM_002213	3693	Hs.13155	NM_002213	ENSG00000	ITGB5	-	integrin	protein-coding
chr15-514	9.819796	-0.25551	0.753826	-0.33895	0.734648	0.981636	chr15	51458167	51458393	+		0	NA	intron (N	intron (N	81034	NM_001330	342035	Hs.526441	NM_181789	ENSG00000	GLDN	CLOM|COLM	gliomedin	protein-coding
chr5-6559	9.786514	-0.25936	0.765928	-0.33863	0.73489	0.981636	chr5	65596578	65596936	+		0	NA	intron (N	intron (N	27576	NM_001656	373	Hs.792	NM_001656	ENSG00000	TRIM23	ARD1|ARFD	tripartit	protein-coding
chr9-1284	5.007294	0.349365	1.031723	0.338623	0.734894	0.981636	chr9	1.28E+08	1.28E+08	+		0	NA	intron (N	AluJr|SIN	-14593	NM_001003	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr2-4233	5.213986	-0.34717	1.025259	-0.33861	0.7349	0.981636	chr2	42338270	42339770	+		0	NA	intron (N	intron (N	21018	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CC	cytochrom	protein-coding
chr9-9223	5.213986	-0.34717	1.025259	-0.33861	0.7349	0.981636	chr9	92231549	92232704	+		0	NA	intron (N	MER34B-in	-40970	NM_001350	138652	Hs.742918	NM_001350291		PRSS47	-	serine pr	protein-coding
chr2-1123	11.11239	0.242438	0.716742	0.33825	0.735175	0.981636	chr2	1.12E+08	1.12E+08	+		0	NA	exon (NM_	exon (NM_	34373	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr17-402	11.63255	0.234041	0.692029	0.338195	0.735216	0.981636	chr17	40264461	40265227	+		0	NA	exon (NM_	exon (NM_	-23035	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr19-474	9.342623	-0.26026	0.769731	-0.33811	0.735278	0.981636	chr19	47413869	47414587	+		0	NA	intron (N	intron (N	5299	NM_020160	56917	Hs.380923	NM_020160	ENSG00000	MEIS3	MRG2	Meis home	protein-coding
chr8-7207	9.342623	-0.26026	0.769731	-0.33811	0.735278	0.981636	chr8	72070130	72072101	+		0	NA	intron (N	L2|LINE|L	4469	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr9-1131	9.342623	-0.26026	0.769731	-0.33811	0.735278	0.981636	chr9	1.13E+08	1.13E+08	+		0	NA	intron (N	intron (N	22435	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chr1-2242	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr1	2.24E+08	2.24E+08	+		0	NA	intron (N	L1MC5|LIN	-22448	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr10-678	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr10	67898813	67900400	+		0	NA	intron (N	L1MC5|LIN	8204	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-103	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	TTS (NR_0	TTS (NR_0	5885	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr11-411	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr11	4113041	4114185	+		0	NA	intron (N	Tigger3|D	-2465	NM_001318	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|R	ribonucle	protein-coding
chr11-276	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr11	27689950	27690565	+		0	NA	intron (N	intron (N	9410	NM_170734	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr11-685	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr11	68548113	68549670	+		0	NA	intron (N	intron (N	88139	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-654	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr12	65436889	65437889	+		0	NA	intron (N	intron (N	119922	NR_135033	1.05E+08	Hs.738044	NR_135033	ENSG00000	LOC105369	-	uncharact	ncRNA
chr12-109	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr12	1.09E+08	1.09E+08	+		0	NA	intron (N	intron (N	12240	NR_133898	83892	Hs.524731	NM_031954	ENSG00000	KCTD10	BTBD28|MS	potassium	protein-coding
chr13-369	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr13	36986016	36989071	+		0	NA	intron (N	MSTA|LTR|	11797	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr14-351	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr14	35119708	35120009	+		0	NA	intron (N	AluYc|SIN	2684	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr14-451	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr14	45102674	45104655	+		0	NA	intron (N	intron (N	-7211	NR_003691	1E+08	Hs.712501	NR_003691	ENSG00000	SNORD127	-	small nuc	snoRNA
chr14-507	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr14	50764679	50765290	+		0	NA	intron (N	intron (N	-56813	NR_135258	1.05E+08	Hs.569387	NR_135258	ENSG00000	LOC105370	-	uncharact	ncRNA
chr15-846	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr15	84678138	84679342	+		0	NA	intron (N	AluSz6|SI	-20541	NM_205858	4828	Hs.386470	NM_021077	ENSG00000	NMB	-	neuromedi	protein-coding
chr15-891	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr15	89187176	89187656	+		0	NA	intron (N	intron (N	34163	NM_000326	6017	Hs.1933	NM_000326	ENSG00000	RLBP1	CRALBP	retinalde	protein-coding
chr17-307	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr17	30782176	30785438	+		0	NA	non-codin	non-codin	40885	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr19-527	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr19	52714639	52715430	+		0	NA	intron (N	intron (N	14848	NM_030972	81856	Hs.143951	NM_030972	ENSG00000	ZNF611	-	zinc fing	protein-coding
chr2-5387	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr2	53875448	53877598	+		0	NA	intron (N	intron (N	-16490	NM_001164	1E+08	Hs.40763	NM_001164	ENSG00000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-7028	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr2	70280393	70281991	+		0	NA	TTS (NM_0	TTS (NM_0	12032	NM_001317	6637	Hs.465167	NM_003096	ENSG00000	SNRPG	SMG|Sm-G	small nuc	protein-coding
chr2-1088	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr2	1.09E+08	1.09E+08	+		0	NA	intron (N	MLT1E2|LT	30513	NM_144978	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-co	protein-coding
chr2-2010	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr2	2.01E+08	2.01E+08	+		0	NA	intron (N	L1P1|LINE	35775	NM_001321	285172	Hs.24701	NM_173822	ENSG00000	FAM126B	HYCC2	family wi	protein-coding
chr2-2100	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr2	2.1E+08	2.1E+08	+		0	NA	intron (N	intron (N	-5894	NR_110291	1.02E+08	Hs.635556	NR_110291		LOC101928	-	uncharact	ncRNA
chr3-9981	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr3	9981088	9981866	+		0	NA	intron (N	Charlie29	-5416	NR_103821	442075	Hs.690469	NM_001013730		EMC3-AS1	-	EMC3 anti	ncRNA
chr3-1341	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr3	1.34E+08	1.34E+08	+		0	NA	intron (N	intron (N	54435	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr5-1135	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr5	1.14E+08	1.14E+08	+		0	NA	intron (N	MER46C|DN	3556	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-8386	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr6	83864404	83864842	+		0	NA	intron (N	intron (N	4934	NM_016230	51167	Hs.5741	NM_016230	ENSG00000	CYB5R4	NCB5OR|cb	cytochrom	protein-coding
chr7-6678	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr7	66780783	66781802	+		0	NA	intron (N	L1MEc|LIN	25410	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr7-7529	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr7	75293457	75295005	+		0	NA	intron (N	LTR45B|LT	12988	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG00000	SPDYE11	-	speedy/RI	protein-coding
chr7-1050	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr7	1.05E+08	1.05E+08	+		0	NA	intron (N	L2b|LINE|	37366	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1279	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr7	1.28E+08	1.28E+08	+		0	NA	intron (N	MER58B|DN	-18411	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr9-9353	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr9	93536412	93537765	+		0	NA	intron (N	intron (N	-39496	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|G	PHD finge	protein-coding
chr9-1109	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr9	1.11E+08	1.11E+08	+		0	NA	intron (N	L1MA3|LIN	52533	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr9-1289	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chr9	1.29E+08	1.29E+08	+		0	NA	intron (N	AluSp|SIN	-4194	NM_014908	22845	Hs.531563	NM_014908	ENSG00000	DOLK	CDG1M|DK|	dolichol	protein-coding
chrX-7811	5.675442	-0.32645	0.966026	-0.33793	0.735417	0.981636	chrX	78111149	78112720	+		0	NA	intron (N	intron (N	7686	NM_000291	5230	Hs.78771	NM_000291	ENSG00000	PGK1	HEL-S-68p	phosphogl	protein-coding
chr20-393	10.63938	0.243015	0.719294	0.337853	0.735474	0.981636	chr20	3933354	3934972	+		0	NA	exon (NM_	exon (NM_	-16600	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr6-4351	10.63938	0.243015	0.719294	0.337853	0.735474	0.981636	chr6	43511784	43515778	+		0	NA	intron (N	intron (N	3145	NM_015388	25844	Hs.440950	NM_015388	ENSG00000	YIPF3	C6orf109|	Yip1 doma	protein-coding
chr1-1804	11.14382	0.23697	0.702388	0.337377	0.735833	0.981636	chr1	1.8E+08	1.8E+08	+		0	NA	intron (N	L1MA4A|LI	23224	NM_032360	84320	Hs.200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr17-801	11.14382	0.23697	0.702388	0.337377	0.735833	0.981636	chr17	80133629	80144613	+		0	NA	exon (NM_	exon (NM_	8007	NM_014740	9775	Hs.389649	NM_014740	ENSG00000	EIF4A3	DDX48|Fal	eukaryoti	protein-coding

chr22-365	11.14382	0.23697	0.702388	0.337377	0.735833	0.981636	chr22	36510669	36527488	+	0	NA	intron (N	intron (N	10088	NM_003753	8664	Hs.55682	NM_003753	ENSG00000	EIF3D	EIF3S7|eI	eukaryoti	protein-coding
chr3-1255	11.14382	0.23697	0.702388	0.337377	0.735833	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSq|SIN	10966	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting r	protein-coding
chr3-1254	12.25256	0.233701	0.692976	0.337242	0.735934	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluY|SINE	64409	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting r	protein-coding
chr1-1645	9.630484	0.25688	0.762104	0.337067	0.736066	0.981636	chr1	16455386	16457452	+	0	NA	intron (N	intron (N	-4529	NR_147210	1.08E+08	Hs.528312	NR_147210	ENSG00000	LINC01772	-	long inte	ncRNA
chr1-4029	9.630484	0.25688	0.762104	0.337067	0.736066	0.981636	chr1	40291896	40293001	+	0	NA	exon (NM_	exon (NM_	24838	NM_001852	1298	Hs.418012	NM_001852	ENSG00000	COL9A2	DJ39G22.4	collagen	protein-coding
chr12-488	9.630484	0.25688	0.762104	0.337067	0.736066	0.981636	chr12	48825032	48825700	+	0	NA	intron (N	intron (N	6870	NM_001206	784	Hs.250712	NM_000725	ENSG00000	CACNB3	CAB3|CACN	calcium v	protein-coding
chr19-523	8.46085	-0.27529	0.816798	-0.33704	0.736087	0.981636	chr19	52388596	52389178	+	0	NA	TTS (NR_1	TTS (NR_1	8870	NR_125345	1.03E+08	Hs.188680	NR_125345	ENSG00000	ZNF528-AS	-	ZNF528 ar	ncRNA
chr8-5397	8.46085	-0.27529	0.816798	-0.33704	0.736087	0.981636	chr8	53978027	53978578	+	0	NA	intron (N	intron (N	44146	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr17-769	8.109289	0.285526	0.847636	0.336849	0.73623	0.981636	chr17	7695548	7695773	+	0	NA	intron (N	intron (N	7183	NM_001143	55135	Hs.408312	NM_018081	ENSG00000	WRAP53	DKCB3|TCA	WD repeat	protein-coding
chr17-152	8.914448	-0.26478	0.786048	-0.33685	0.736233	0.981636	chr17	15241777	15243472	+	0	NA	intron (N	L1M5|LINE	9072	NR_039884	1.01E+08		NR_039884	ENSG00000	MIR4731	-	microRNA	ncRNA
chr3-1414	8.914448	-0.26478	0.786048	-0.33685	0.736233	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	MIR3|SINE	1994	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr17-406	9.853077	-0.25189	0.747831	-0.33682	0.73625	0.981636	chr17	4069122	4071598	+	0	NA	intron (N	MIR3|SINE	72670	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr10-732	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr10	73241362	73244431	+	0	NA	3’ UTR (N	3’ UTR (N	4359	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr11-122	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	5924	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr11-123	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	MLT1F2|LT	-53819	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr13-272	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr13	27253553	27260287	+	0	NA	TTS (NM_0	TTS (NM_0	1519	NR_002575	619499	Hs.689719	NR_002575	ENSG00000	SNORA27	ACA27	small nuc	snoRNA
chr16-667	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr16	66742426	66743826	+	0	NA	intron (N	AluSz|SIN	8483	NM_006141	1783	Hs.369068	NM_006141	ENSG00000	DYNC1LI2	DNCLI2|LI	dynein cy	protein-coding
chr2-1139	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-21367	NR_148507	440900	Hs.662205	NR_034128	ENSG00000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr3-1565	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	L4_C_Mam|	7050	NM_001308	6747	Hs.518346	NM_007107	ENSG00000	SSR3	TRAPG	signal se	protein-coding
chr4-1382	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	9586	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr5-7556	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr5	75560679	75560919	+	0	NA	intron (N	L1PA7|LIN	-48818	NM_001130	10087	Hs.270437	NM_005713	ENSG00000	CERT1	CERT|CERT	ceramide	protein-coding
chr7-1308	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	THE1A|LTR	14552	NR_029503	407021		NR_029503	ENSG00000	MIR29A	MIRN29|MI	microRNA	ncRNA
chr8-3907	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr8	39077149	39078891	+	0	NA	intron (N	MLT1M|LTR	-29509	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr8-7206	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr8	72060632	72069140	+	0	NA	intron (N	intron (N	10698	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr8-9988	9.375905	-0.25656	0.761939	-0.33672	0.73633	0.981636	chr8	99885300	99887546	+	0	NA	intron (N	L1MB2|LIN	7284	NM_004374	1345	Hs.351875	NM_004374	ENSG00000	COX6C	-	cytochrom	protein-coding
chr16-281	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr16	28155455	28156577	+	0	NA	intron (N	intron (N	55949	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANB	exportin	protein-coding
chr17-165	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr17	1650457	1667432	+	0	NA	intron (N	intron (N	-9078	NM_031430	83547	Hs.534497	NM_031430	ENSG00000	RILP	PP10141	Rab inter	protein-coding
chr17-167	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr17	1670300	1683479	+	0	NA	intron (N	intron (N	7978	NM_006445	10594	Hs.181368	NM_006445	ENSG00000	PRPF8	HPRP8|PRP	pre-mRNA	protein-coding
chr20-358	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr20	35842343	35844420	+	0	NA	intron (N	AluSx3|SI	71366	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr5-3938	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr5	39385498	39394645	+	0	NA	intron (N	intron (N	-25576	NM_001737	735	Hs.654443	NM_001737	ENSG00000	C9	ARMD15|C9	complemen	protein-coding
chr6-2597	11.64827	0.231441	0.68784	0.336475	0.736513	0.981636	chr6	25972338	25977333	+	0	NA	intron (N	intron (N	12033	NM_006355	10475	Hs.584851	NM_006355	ENSG00000	TRIM38	RNF15|ROR	tripartit	protein-coding
chr19-403	9.077041	0.265156	0.788075	0.33646	0.736524	0.981636	chr19	40320780	40321070	+	0	NA	TTS (NM_0	TTS (NM_0	27472	NR_046202	126526	Hs.631557	NM_178830	ENSG00000	C19orf47	-	chromosom	protein-coding
chr16-717	9.581487	0.257096	0.764152	0.336446	0.736535	0.981636	chr16	71742564	71742778	+	0	NA	intron (N	intron (N	15816	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr6-1252	9.581487	0.257096	0.764152	0.336446	0.736535	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	HAL1M8|LI	16581	NM_016063	51020	Hs.32826	NM_016063	ENSG00000	HDDC2	C6orf74|C	HD domain	protein-coding
chr2-1124	4.436284	0.364958	1.085765	0.33613	0.736773	0.981636	chr2	11242048	11242744	+	0	NA	intron (N	intron (N	86929	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr5-1771	4.436284	0.364958	1.085765	0.33613	0.736773	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluYh3|SI	46874	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr3-1884	6.152615	-0.31299	0.93231	-0.33571	0.737089	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	126152	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG00000	LPP-AS1	-	LPP antis	ncRNA
chr5-1504	6.152615	-0.31299	0.93231	-0.33571	0.737089	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12258	NR_157074	972	Hs.436568	NM_004355	ENSG00000	CD74	DHLAG|HLA	CD74 mole	protein-coding
chr4-1230	4.966154	0.347077	1.034051	0.335648	0.737137	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	MLT2B3|LT	129654	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr17-400	6.160473	-0.31526	0.939662	-0.3355	0.737245	0.981636	chr17	40019772	40020360	+	0	NA	intron (N	intron (N	4626	NM_172219	1440	Hs.2233	NM_000759	ENSG00000	CSF3	C17orf33|	colony st	protein-coding
chr19-469	6.160473	-0.31526	0.939662	-0.3355	0.737245	0.981636	chr19	4697533	4698102	+	0	NA	intron (N	MLT1C|LTR	18535	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr17-812	9.126038	0.26483	0.789383	0.33549	0.737255	0.981636	chr17	81249618	81249937	+	0	NA	intron (N	intron (N	9863	NR_148426	284184	Hs.356545	NM_001086	ENSG00000	NDUFAF8	C17orf89	NADH:ubiq	protein-coding
chr21-394	12.15271	0.22638	0.675297	0.33523	0.737451	0.981636	chr21	39405330	39406823	+	0	NA	exon (NM_	exon (NM_	18313	NR_146616	7485	Hs.198308	NM_004627	ENSG00000	GET1	CHD5|WRB	guided en	protein-coding
chr9-3240	12.15271	0.22638	0.675297	0.33523	0.737451	0.981636	chr9	32405210	32412469	+	0	NA	intron (N	intron (N	24196	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr15-422	9.424902	-0.25574	0.763089	-0.33514	0.737519	0.981636	chr15	42251536	42253218	+	0	NA	intron (N	L1PA6|LIN	21056	NM_015497	25963	Hs.511138	NM_015497	ENSG00000	TMEM87A	-	transmemb	protein-coding
chr20-459	9.424902	-0.25574	0.763089	-0.33514	0.737519	0.981636	chr20	45938728	45940132	+	0	NA	intron (N	L2b|LINE|	4747	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr3-9967	9.424902	-0.25574	0.763089	-0.33514	0.737519	0.981636	chr3	9967539	9969524	+	0	NA	intron (N	L1MB7|LIN	-16116	NM_001318	285368	Hs.598147	NM_207351	ENSG00000	PRRT3	-	proline r	protein-coding
chr3-1913	10.09379	0.24832	0.741176	0.335035	0.737599	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	-31922	NM_198152	257313	Hs.518492	NM_198152	ENSG00000	UTS2B	U2B|URP|U	urotensin	protein-coding
chr14-501	12.68147	-0.2253	0.672861	-0.33484	0.737743	0.981636	chr14	50112939	50113138	+	0	NA	intron (N	AluSg|SIN	3534	NR_049739	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr2-9238	12.68147	-0.2253	0.672861	-0.33484	0.737743	0.981636	chr2	92387124	92387483	+	0	NA	Intergeni	ALR/Alpha	446170	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-399	4.444142	0.361645	1.080297	0.334764	0.737803	0.981636	chr17	39902103	39903102	+	0	NA	Intergeni	L1ME3B|LI	14938	NM_001369	55876	Hs.306777	NM_018530	ENSG00000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr6-1523	4.444142	0.361645	1.080297	0.334764	0.737803	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	L2a|LINE|	-19852	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr5-1389	10.59038	0.243143	0.726552	0.334654	0.737886	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluY|SINE	29551	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr3-1207	8.963446	-0.26383	0.788558	-0.33457	0.737948	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA5|LIN	4413	NR_157022	285282	Hs.444360	NM_173825	ENSG00000	RABL3	-	RAB, memb	protein-coding
chr17-429	5.716582	-0.32265	0.964527	-0.33451	0.737992	0.981636	chr17	4295754	4296578	+	0	NA	intron (N	intron (N	-24272	NR_110982	1.03E+08	Hs.741319	NR_110982		LOC103021	-	uncharact	ncRNA
chr18-588	5.716582	-0.32265	0.964527	-0.33451	0.737992	0.981636	chr18	58876815	58877998	+	0	NA	intron (N	intron (N	12529	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr5-1296	5.716582	-0.32265	0.964527	-0.33451	0.737992	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-137898	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr2-2193	10.59824	0.24175	0.722731	0.334494	0.738006	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	(GCCAG)n|	1249	NM_001319	23549	Hs.258551	NM_012100	ENSG00000	DNPEP	ASPEP|DAP	aspartyl	protein-coding
chr12-105	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	49921	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr16-273	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr16	27331699	27334365	+	0	NA	intron (N	L1MC|LINE	19058	NM_001257	3566	Hs.513457	NM_000418	ENSG00000	IL4R	CD124|IL-	interleuk	protein-coding
chr2-5556	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr2	55561108	55564473	+	0	NA	intron (N	intron (N	43195	NM_080667	112942	Hs.264208	NM_080667	ENSG00000	CFAP36	BARTL1|CC	cilia and	protein-coding
chr2-6951	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr2	69510199	69512828	+	0	NA	intron (N	intron (N	8658	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr3-4263	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr3	42636836	42641524	+	0	NA	exon (NM_	exon (NM_	-14517	NM_145166	92999	Hs.409561	NM_145166	ENSG00000	ZBTB47	ZNF651	zinc fing	protein-coding
chr7-1124	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-6353	NM_001134	286006	Hs.396189	NM_182597	ENSG00000	LSMEM1	C7orf53	leucine r	protein-coding
chr8-3900	9.417045	-0.25433	0.760345	-0.33449	0.738007	0.981636	chr8	39007227	39010193	+	0	NA	intron (N	intron (N	9975	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr1-1234	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr1	12341932	12343333	+	0	NA	intron (N	intron (N	112602	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr13-383	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr13	38357298	38357970	+	0	NA	intron (N	Tigger2|D	7783	NM_001286	51569	Hs.643655	NM_016617	ENSG00000	UFM1	BM-002|C1	ubiquitin	protein-coding
chr2-1192	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr2	1.19E+08	1.19E+08	+	0	NA	intron (N	L2c|LINE|	-1129	NR_046721	1.01E+08	Hs.704682	NR_046721	ENSG00000	STEAP3-AS	-	STEAP3 an	ncRNA
chr20-349	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr20	34935867	34936808	+	0	NA	intron (N	intron (N	19298	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr4-1704	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr4	1704860	1706940	+	0	NA	intron (N	AluJb|SIN	6419	NM_001306	7884	Hs.298345	NM_006527	ENSG00000	SLBP	HBP	stem-loop	protein-coding
chr4-1434	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	L1PA3|LIN	-66754	NM_003601	8467	Hs.558422	NM_003601	ENSG00000	SMARCA5	ISWI|SNF2	SWI/SNF r	protein-coding
chr8-4242	6.144757	-0.31082	0.929855	-0.33427	0.738178	0.981636	chr8	42428049	42429781	+	0	NA	intron (N	intron (N	37035	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage d	protein-coding
chr1-4433	11.15168	0.235604	0.705073	0.334156	0.738262	0.981636	chr1	44338194	44339269	+	0	NA	intron (N	intron (N	16526	NM_024066	79033	Hs.731413	NM_024066	ENSG00000	ERI3	PINT1|PRN	ERI1 exor	protein-coding
chr1-1563	11.65613	0.230149	0.689207	0.333932	0.738431	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJb|SIN	-5226	NM_144627	128229	Hs.534539	NM_144627	ENSG00000	TSACC	C1orf182|	TSSK6 act	protein-coding
chr16-214	11.65613	0.230149	0.689207	0.333932	0.738431	0.981636	chr16	21422353	21424272	+	0	NA	intron (N	MIRb|SINE	2066	NM_130464	23117	Hs.611072	NM_130464		NPIPB3	KIAA0220L	nuclear p	protein-coding
chr5-1322	11.65613	0.230149	0.689207	0.333932	0.738431	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	TTS (NR_1	TTS (NR_1	533	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr22-317	10.17607	0.250764	0.751321	0.333764	0.738558	0.981636	chr22	31704495	31704830	+	0	NA	exon (NM_	exon (NM_	-42098	NM_001326	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr5-3154	10.17607	0.250764	0.751321	0.333764	0.738558	0.981636	chr5	31545138	31545494	+	0	NA	intron (N	AluSq2|SI	13015	NM_018356	55322	Hs.519246	NM_018356	ENSG00000	C5orf22	-	chromosom	protein-coding
chr2-4431	8.955588	-0.26235	0.786996	-0.33335	0.738868	0.981636	chr2	44316100	44316428	+	0	NA	intron (N	HAL1ME|LI	40784	NM_000341	6519	Hs.112916	NM_000341	ENSG00000	SLC3A1	ATR1|CSNU	solute ca	protein-coding
chr6-5639	8.955588	-0.26235	0.786996	-0.33335	0.738868	0.981636	chr6	563955	564836	+	0	NA	intron (N	intron (N	92569	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr1-1831	12.16057	0.225142	0.67552	0.333287	0.738918	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	AluJr4|SI	21378	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr21-371	12.16057	0.225142	0.67552	0.333287	0.738918	0.981636	chr21	37132335	37138357	+	0	NA	intron (N	intron (N	52399	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr8-1301	7.924972	-0.29182	0.875812	-0.3332	0.738982	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-95739	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-7026	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr1	70268087	70268494	+	0	NA	intron (N	AluSq2|SI	46910	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr10-724	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr10	72422017	72422297	+	0	NA	intron (N	MLT1B|LTR	-67238	NM_001365	54788	Hs.500013	NM_017626	ENSG00000	DNAJB12	DJ10	DnaJ heat	protein-coding
chr11-101	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr11	1010944	1011189	+	0	NA	non-codin	non-codin	25652	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr12-158	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr12	15889362	15893236	+	0	NA	intron (N	intron (N	8912	NM_007178	11171	Hs.743971	NM_007178	ENSG00000	STRAP	MAWD|PT-W	serine/th	protein-coding
chr2-3334	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr2	33347131	33356762	+	0	NA	intron (N	L2b|LINE|	-66570	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1875	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr2	1.88E+08	1.88E+08	+	0	NA	intron (N	L1P3|LINE	33970	NM_001329	7035	Hs.516578	NM_006287	ENSG00000	TFPI	EPI|LACI|	tissue fa	protein-coding
chr22-243	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr22	24353467	24353730	+	0	NA	intron (N	AluSx|SIN	11490	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBD	sperm ant	protein-coding
chr3-1995	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr3	19950973	19952286	+	0	NA	intron (N	AluJr|SIN	4532	NM_004162	5868	Hs.475663	NM_004162	ENSG00000	RAB5A	RAB5	RAB5A, me	protein-coding
chr6-1121	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-44922	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr6-1508	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJo|SIN	20508	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr8-1250	9.409187	-0.25291	0.760154	-0.33271	0.739357	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	18096	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr2-1698	9.368047	-0.25511	0.766927	-0.33264	0.739409	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	7436	NM_001294	6741	Hs.632535	NM_003142	ENSG00000	SSB	LARP3|La|	small RNA	protein-coding
chr18-420	9.886359	-0.24839	0.747557	-0.33227	0.739686	0.981636	chr18	42049630	42050044	+	0	NA	intron (N	AluSp|SIN	94603	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr1-4271	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr1	42712990	42713997	+	0	NA	Intergeni	L1MA4A|LI	26743	NM_001123	149461	Hs.496270	NM_148960	ENSG00000	CLDN19	HOMG5	claudin 1	protein-coding
chr12-950	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr12	95045197	95046387	+	0	NA	intron (N	intron (N	27826	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr12-122	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluYk4|SI	-26444	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr16-847	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr16	84770909	84771704	+	0	NA	intron (N	AluJo|SIN	-48679	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|L	cysteine	protein-coding
chr17-374	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr17	37474806	37475548	+	0	NA	intron (N	AluSx4|SI	-14714	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr2-3332	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr2	33327836	33328535	+	0	NA	intron (N	L1ME3|LIN	-90331	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-6525	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr2	65259284	65260835	+	0	NA	intron (N	intron (N	32364	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-1993	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr2	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	130464	NR_134967	23314	Hs.516617	NM_015265	ENSG00000	SATB2	GLSS	SATB home	protein-coding
chr20-368	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr20	36811291	36814019	+	0	NA	intron (N	intron (N	-38892	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr22-317	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr22	31727144	31727898	+	0	NA	intron (N	AluSx3|SI	22611	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr6-4265	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr6	42655131	42656427	+	0	NA	intron (N	intron (N	66818	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-8395	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr6	83955931	83956540	+	0	NA	intron (N	MER4E1|LT	-77537	NM_001346	112609	Hs.370055	NM_138409	ENSG00000	MRAP2	C6orf117|	melanocor	protein-coding
chr6-1380	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15392	NM_022121	64065	Hs.201446	NM_022121	ENSG00000	PERP	KCP1|KRTC	p53 apopt	protein-coding
chr7-3297	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr7	32975143	32976081	+	0	NA	intron (N	intron (N	-3862	NM_001284	11328	Hs.103934	NM_007270	ENSG00000	FKBP9	FKBP60|FK	FKBP prol	protein-coding
chr7-4754	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr7	47546016	47547543	+	0	NA	intron (N	intron (N	35332	NM_022748	64759	Hs.520814	NM_022748	ENSG00000	TNS3	TEM6|TENS	tensin 3	protein-coding
chr7-7570	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chr7	75709515	75710062	+	0	NA	intron (N	L1M3|LINE	29153	NM_005338	3092	Hs.329266	NM_005338	ENSG00000	HIP1	HIP-I|ILW	huntingti	protein-coding
chrX-4153	5.708724	-0.32037	0.964476	-0.33217	0.739763	0.981636	chrX	41530303	41530839	+	0	NA	intron (N	intron (N	83111	NM_022567	60506	Hs.302019	NM_022567	ENSG00000	NYX	CLRP|CSNB	nyctalopi	protein-coding
chr11-433	8.688156	0.279746	0.842191	0.332164	0.739765	0.981636	chr11	43323498	43323904	+	0	NA	intron (N	intron (N	11705	NM_001142	8539	Hs.435771	NM_006595	ENSG00000	API5	AAC-11|AA	apoptosis	protein-coding
chr1-3190	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr1	31905898	31909902	+	0	NA	3’ UTR (N	3’ UTR (N	29918	NM_001369	8073	Hs.470477	NM_003479	ENSG00000	PTP4A2	HH13|HH7-	protein t	protein-coding
chr12-108	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	12998	NR_039717	1.01E+08		NR_039717	ENSG00000	MIR4496	-	microRNA	ncRNA
chr15-383	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr15	38350127	38351921	+	0	NA	exon (NM_	exon (NM_	98188	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr2-2238	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	-52478	NR_110906	130340	Hs.632555	NM_178814	ENSG00000	AP1S3	PSORS15	adaptor r	protein-coding
chr4-2663	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr4	26637323	26642354	+	0	NA	intron (N	intron (N	55754	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr4-1187	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	38645	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr7-1348	9.878501	-0.24699	0.743768	-0.33208	0.739828	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-46377	NM_033139	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr16-696	8.90659	-0.26314	0.792944	-0.33185	0.740001	0.981636	chr16	69652560	69654401	+	0	NA	intron (N	intron (N	55195	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr10-916	11.61499	0.228996	0.690061	0.331849	0.740003	0.981636	chr10	91628095	91631412	+	0	NA	3’ UTR (N	3’ UTR (N	3318	NM_005398	5507	Hs.303090	NM_005398	ENSG00000	PPP1R3C	PPP1R5|PI	protein p	protein-coding

chr8-7184	11.61499	0.228996	0.690061	0.331849	0.740003	0.981636	chr8	71841675	71842550	+	0	NA	3’ UTR (N	3’ UTR (N	-1011	NR_033652	1E+08	Hs.137674	NR_033651	ENSG00000	MSC-AS1	-	MSC antis	ncRNA
chr10-876	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr10	87683821	87684118	+	0	NA	intron (N	AluJr|SIN	24091	NM_001015	9060	Hs.524491	NM_004670	ENSG00000	PAPSS2	ATPSK2|BC	3’-phosph	protein-coding
chr13-950	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr13	95076644	95077353	+	0	NA	intron (N	AluJo|SIN	116957	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr17-556	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr17	5566552	5567304	+	0	NA	intron (N	L1MA1|LIN	17581	NM_033004	22861	Hs.652273	NM_014922	ENSG00000	NLRP1	AIADK|CAR	NLR famil	protein-coding
chr2-1586	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	56889	NR_135242	1E+08	Hs.630724	NR_135242	ENSG00000	PKP4-AS1	-	PKP4 anti	ncRNA
chr2-1774	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	L1M5|LINE	40364	NM_003659	8540	Hs.516543	NM_003659	ENSG00000	AGPS	ADAP-S|AD	alkylglyc	protein-coding
chr20-414	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr20	41486441	41486790	+	0	NA	intron (N	intron (N	-119797	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr3-1574	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr3	15740607	15742136	+	0	NA	intron (N	L3|LINE|C	15176	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr3-1309	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	LTR87|LTR	65871	NM_001001	27032	Hs.584884	NM_014382	ENSG00000	ATP2C1	ATP2C1A|E	ATPase se	protein-coding
chr3-1424	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSq2|SI	45643	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr5-3561	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr5	356127	356889	+	0	NA	intron (N	CpG	52332	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr6-8752	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr6	87525626	87526531	+	0	NA	intron (N	L1MA7|LIN	53104	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMF	solute ca	protein-coding
chr6-1597	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	L1MEf|LIN	7933	NR_002960	677806	Hs.689705	NR_002960	ENSG00000	SNORA20	ACA20	small nuc	snoRNA
chr9-1221	5.667584	-0.32405	0.977239	-0.3316	0.740191	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	MLT1K|LTR	8355	NM_014222	4702	Hs.495039	NM_014222	ENSG00000	NDUFA8	CI-19KD|C	NADH:ubiq	protein-coding
chr13-728	5.496024	0.333189	1.005769	0.331278	0.740435	0.981636	chr13	72833105	72834020	+	0	NA	intron (N	L1PA7|LIN	51429	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr10-722	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr10	72235061	72235377	+	0	NA	non-codin	non-codin	-18085	NR_045564	51008	Hs.500007	NM_015947	ENSG00000	ASCC1	ASC1p50|C	activatin	protein-coding
chr16-249	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr16	24917595	24918651	+	0	NA	Intergeni	Intergeni	71892	NM_052944	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr17-374	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr17	37472254	37473716	+	0	NA	intron (N	AluJr|SIN	-16906	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr2-8575	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr2	85759126	85759667	+	0	NA	intron (N	intron (N	5405	NM_032827	84913	Hs.135569	NM_032827	ENSG00000	ATOH8	HATH6|bHL	atonal bH	protein-coding
chr2-1864	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr2	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	11537	NM_018471	55854	Hs.741180	NM_018471	ENSG00000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr3-4817	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr3	48173831	48176013	+	0	NA	intron (N	intron (N	13495	NM_001789	993	Hs.437705	NM_001789	ENSG00000	CDC25A	CDC25A2	cell divi	protein-coding
chr4-7312	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr4	73122681	73123420	+	0	NA	intron (N	intron (N	-53291	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr8-1033	6.136899	-0.30872	0.932146	-0.33119	0.740498	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	promoter-	promoter-	-437	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr22-404	9.638342	0.255124	0.770392	0.331161	0.740523	0.981636	chr22	40431079	40431301	+	0	NA	intron (N	intron (N	32250	NM_001282	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr9-1655	9.638342	0.255124	0.770392	0.331161	0.740523	0.981636	chr9	16552441	16552754	+	0	NA	exon (NM_	exon (NM_	-174217	NR_151723	1.11E+08	Hs.609218	NR_151723	ENSG00000	BNC2-AS1	-	BNC2 anti	ncRNA
chr3-9858	9.770798	-0.25676	0.775374	-0.33114	0.740538	0.981636	chr3	98580586	98580785	+	0	NA	exon (NM_	exon (NM_	12926	NM_000097	1371	Hs.476982	NM_000097	ENSG00000	CPOX	COX|CPO|C	coproporp	protein-coding
chr19-447	8.94773	-0.26081	0.788192	-0.3309	0.740724	0.981636	chr19	44754846	44755464	+	0	NA	intron (N	intron (N	-3502	NR_107052	1.02E+08		NR_107052	ENSG00000	MIR8085	hsa-mir-8	microRNA	ncRNA
chr1-1800	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr1	1800957	1805747	+	0	NA	intron (N	AluJr|SIN	-23321	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr11-372	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr11	3729901	3731998	+	0	NA	intron (N	L1ME4a|LI	-59565	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-377	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr11	3776575	3779633	+	0	NA	intron (N	AluY|SINE	19442	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-477	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr11	47716012	47726215	+	0	NA	intron (N	AluY|SINE	-5744	NM_024783	79841	Hs.147377	NM_024783	ENSG00000	AGBL2	CCP2	ATP/GTP b	protein-coding
chr18-768	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr18	76894006	76898232	+	0	NA	intron (N	intron (N	71959	NM_007345	7776	Hs.719137	NM_007345	ENSG00000	ZNF236	ZNF236A|Z	zinc fing	protein-coding
chr19-455	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr19	45522491	45527833	+	0	NA	intron (N	AluJr4|SI	17683	NM_003370	7408	Hs.515469	NM_003370	ENSG00000	VASP	-	vasodilat	protein-coding
chr2-1913	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	L2a|LINE|	119435	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr3-1236	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-23483	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-1266	9.870643	-0.24562	0.742384	-0.33086	0.740754	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	(A)n|Simp	-13323	NM_207408	389320	Hs.177983	NM_207408	ENSG00000	TEX43	C5orf48|T	testis ex	protein-coding
chr1-2684	5.634303	-0.33025	0.998895	-0.33061	0.740938	0.981636	chr1	26844336	26844602	+	0	NA	intron (N	L1ME3A|LI	17781	NM_032283	84243	Hs.523710	NM_032283	ENSG00000	ZDHHC18	DHHC-18|D	zinc fing	protein-coding
chr13-320	5.634303	-0.33025	0.998895	-0.33061	0.740938	0.981636	chr13	32042850	32043057	+	0	NA	intron (N	intron (N	11179	NM_023037	10129	Hs.507669	NM_023037	ENSG00000	FRY	13CDNA73|	FRY micro	protein-coding
chr3-1956	13.62195	-0.2125	0.642801	-0.33059	0.740957	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	L1MC5a|LI	1430	NR_122105	440993	Hs.708999	NM_001013714		MIR570HG	LINC00969	MIR570 ho	ncRNA
chr2-1053	11.62284	0.227707	0.689129	0.330427	0.741077	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	14035	NM_001318	2274	Hs.443687	NM_001450	ENSG00000	FHL2	AAG11|DRA	four and	protein-coding
chr6-3605	10.61395	0.238896	0.72315	0.330355	0.741132	0.981636	chr6	36059764	36060119	+	0	NA	intron (N	intron (N	32133	NM_139013	1432	Hs.485233	NM_001315	ENSG00000	MAPK14	CSBP|CSBP	mitogen-a	protein-coding
chr3-2747	6.103617	-0.31472	0.953075	-0.33022	0.741233	0.981636	chr3	27472641	27473528	+	0	NA	intron (N	AluSx|SIN	11300	NM_001321	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr8-1279	6.103617	-0.31472	0.953075	-0.33022	0.741233	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-14718	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr5-6153	4.452	0.358244	1.085474	0.330034	0.741374	0.981636	chr5	61533839	61534877	+	0	NA	intron (N	intron (N	-103402	NR_161251	285668	Hs.683866	NR_126523	ENSG00000	C5orf64	-	chromosom	ncRNA
chr1-1501	9.829504	-0.2478	0.750843	-0.33003	0.74138	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	4084	NM_001304	51177	Hs.438824	NM_016274	ENSG00000	PLEKHO1	CKIP-1|CK	pleckstri	protein-coding
chr8-1034	8.411852	-0.27582	0.835971	-0.32994	0.741445	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	25743	NM_015420	25879	Hs.532265	NM_015420	ENSG00000	DCAF13	GM83|HSPC	DDB1 and	protein-coding
chr1-1715	12.12729	0.22279	0.67554	0.329795	0.741555	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	-53143	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr15-658	12.12729	0.22279	0.67554	0.329795	0.741555	0.981636	chr15	65876993	65880779	+	0	NA	intron (N	intron (N	9395	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr12-645	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr12	6457896	6458095	+	0	NA	intron (N	intron (N	5953	NM_001351	55080	Hs.504597	NM_018009	ENSG00000	TAPBPL	TAPBP-R|T	TAP bindi	protein-coding
chr14-550	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr14	55061855	55064321	+	0	NA	exon (NM_	exon (NM_	11441	NM_144578	93487	Hs.594338	NM_144578	ENSG00000	MAPK1IP1L	C14orf32|	mitogen-a	protein-coding
chr17-313	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr17	31336715	31338246	+	0	NA	exon (NM_	exon (NM_	-15858	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr21-371	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr21	37179710	37180128	+	0	NA	intron (N	L4_A_Mam|	14007	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr4-9842	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr4	98423670	98425098	+	0	NA	intron (N	MER30|DNA	163000	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr6-3269	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr6	3269558	3269877	+	0	NA	non-codin	non-codin	10770	NM_001128	389362	Hs.207069	NM_001128	ENSG00000	PSMG4	C6orf86|P	proteasom	protein-coding
chr6-5705	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr6	57050645	57054818	+	0	NA	exon (NM_	exon (NM_	5984	NM_001286	57691	Hs.709521	NM_020931	ENSG00000	KIAA1586	-	KIAA1586	protein-coding
chr8-2541	9.401329	-0.25146	0.762514	-0.32977	0.741571	0.981636	chr8	25410041	25410372	+	0	NA	intron (N	intron (N	14055	NM_001083	2796	Hs.82963	NM_000825	ENSG00000	GNRH1	GNRH|GRH|	gonadotro	protein-coding
chr12-454	6.178038	-0.30522	0.925797	-0.32968	0.741638	0.981636	chr12	45412262	45413191	+	0	NA	intron (N	L2b|LINE|	120036	NM_001142	196527	Hs.505339	NM_001025	ENSG00000	ANO6	BDPLT7|SC	anoctamin	protein-coding
chr19-848	6.178038	-0.30522	0.925797	-0.32968	0.741638	0.981636	chr19	8480553	8481603	+	0	NA	intron (N	intron (N	21562	NM_032152	84106	Hs.465812	NM_032152	ENSG00000	PRAM1	PML-RAR|P	PML-RARA	protein-coding
chr19-115	6.178038	-0.30522	0.925797	-0.32968	0.741638	0.981636	chr19	11554601	11555452	+	0	NA	intron (N	AluSg|SIN	441	NM_001363	84337	Hs.631633	NM_032377	ENSG00000	ELOF1	ELF1	elongatio	protein-coding
chr6-8986	6.178038	-0.30522	0.925797	-0.32968	0.741638	0.981636	chr6	89866249	89868354	+	0	NA	exon (NM_	exon (NM_	-27168	NM_032602	84694	Hs.334499	NM_032602	ENSG00000	GJA10	CX62	gap junct	protein-coding
chrX-1659	6.178038	-0.30522	0.925797	-0.32968	0.741638	0.981636	chrX	16597361	16598269	+	0	NA	intron (N	L1PA3|LIN	29270	NR_039762	1.01E+08		NR_039762	ENSG00000	MIR548AM	-	microRNA	ncRNA
chr4-7155	10.06236	0.254171	0.77101	0.32966	0.741657	0.981636	chr4	71558161	71558360	+	0	NA	intron (N	intron (N	219207	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr1-2208	10.10951	0.245256	0.74447	0.329437	0.741825	0.981636	chr1	2.21E+08	2.21E+08	+	0	NA	exon (NM_	exon (NM_	-4290	NR_046901	1.01E+08	Hs.645593	NR_046901	ENSG00000	HLX-AS1	-	HLX antis	ncRNA
chr1-1225	6.185896	-0.3074	0.933094	-0.32944	0.741826	0.981636	chr1	12252182	12253112	+	0	NA	intron (N	AluSx|SIN	22617	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr14-102	6.185896	-0.3074	0.933094	-0.32944	0.741826	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MB7|LIN	41040	NM_001348	122416	Hs.432945	NM_152326	ENSG00000	ANKRD9	-	ankyrin r	protein-coding
chr3-2970	6.185896	-0.3074	0.933094	-0.32944	0.741826	0.981636	chr3	29701792	29702682	+	0	NA	intron (N	LTR12C|LT	231919	NR_046556	1.01E+08	Hs.581453	NR_046556	ENSG00000	RBMS3-AS1	-	RBMS3 ant	ncRNA
chr12-881	8.501989	-0.27231	0.827771	-0.32896	0.742183	0.981636	chr12	88110591	88110849	+	0	NA	intron (N	intron (N	31496	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr12-133	12.63174	0.218272	0.663795	0.328825	0.742288	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	5160	NM_001289	7637	Hs.445019	NM_003428	ENSG00000	ZNF84	HPF2	zinc fing	protein-coding
chrX-4119	8.117146	0.283139	0.861313	0.32873	0.74236	0.981636	chrX	41195311	41195571	+	0	NA	intron (N	MER5A|DNA	-80298	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr10-100	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	Charlie7a	12422	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr11-111	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx|SIN	53487	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr2-1698	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJr|SIN	2694	NM_001294	6741	Hs.632535	NM_003142	ENSG00000	SSB	LARP3|La|	small RNA	protein-coding
chr5-3345	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr5	33453499	33456378	+	0	NA	intron (N	intron (N	14162	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr5-1128	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	24944	NM_003135	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr5-1275	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MB8|LIN	7344	NM_130809	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr5-1348	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-13766	NM_001350	79770	Hs.741304	NM_024715	ENSG00000	TXNDC15	BUG|C5orf	thioredox	protein-coding
chr5-1461	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-16920	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr6-3065	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr6	30651294	30651961	+	0	NA	intron (N	AluSx|SIN	4494	NM_145029	221545	Hs.591787	NM_145029	ENSG00000	C6orf136	-	chromosom	protein-coding
chr6-1705	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (N	L1ME4b|LI	6088	NM_002793	5689	Hs.352768	NM_002793	ENSG00000	PSMB1	HC5|PMSB1	proteasom	protein-coding
chr7-1286	9.862785	-0.24426	0.743371	-0.32859	0.742466	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	7832	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr17-432	23.51599	-0.16843	0.512617	-0.32857	0.742478	0.981636	chr17	43288133	43289095	+	0	NA	Intergeni	AluJb|SIN	-4285	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr5-1548	5.247267	-0.33989	1.035049	-0.32838	0.742622	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	38890	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr1-1593	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr1	15931639	15933783	+	0	NA	exon (NM_	exon (NM_	43421	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-3126	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr1	31264205	31269095	+	0	NA	intron (N	intron (N	-26763	NM_024522	79570	Hs.470259	NM_024522	ENSG00000	NKAIN1	FAM77C	sodium/po	protein-coding
chr1-5656	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr1	56568522	56569078	+	0	NA	intron (N	AluSg7|SI	10763	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr1-1081	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	38895	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr10-730	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr10	73022929	73024280	+	0	NA	intron (N	L1PA6|LIN	-68798	NM_032562	84647	Hs.333175	NM_032562	ENSG00000	PLA2G12B	FKSG71|GX	phospholi	protein-coding
chr10-936	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr10	93674679	93677995	+	0	NA	intron (N	intron (N	26235	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr10-120	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSq2|SI	39017	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr11-591	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr11	59130963	59133119	+	0	NA	Intergeni	THE1B-int	-10705	NM_001142	63901	Hs.150651	NM_022074	ENSG00000	FAM111A	GCLEB|KCS	family wi	protein-coding
chr11-119	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJr|SIN	39917	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr12-497	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr12	49788389	49790508	+	0	NA	Intergeni	AluJr|SIN	38965	NM_001368	57701	Hs.143067	NM_001037	ENSG00000	NCKAP5L	Cep169|FP	NCK assoc	protein-coding
chr12-114	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr12	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	6034	NM_016569	6926	Hs.744016	NM_005996	ENSG00000	TBX3	TBX3-ISO|	T-box tra	protein-coding
chr13-496	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr13	49666156	49668345	+	0	NA	intron (N	intron (N	24236	NM_032565	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr13-101	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr13	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA4|LIN	109596	NM_001271	9358	Hs.696554	NM_004791	ENSG00000	ITGBL1	OSCP|TIED	integrin	protein-coding
chr14-884	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr14	88450566	88457127	+	0	NA	Intergeni	Intergeni	68189	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-228	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr15	22846440	22848417	+	0	NA	intron (N	intron (N	8787	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr15-282	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr15	28226090	28228774	+	0	NA	intron (N	L1MB5|LIN	94720	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-297	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr15	29735570	29737385	+	0	NA	intron (N	intron (N	61542	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr15-370	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr15	37092510	37093650	+	0	NA	intron (N	intron (N	5616	NM_172315	4212	Hs.510989	NM_002399	ENSG00000	MEIS2	CPCMR|HsT	Meis home	protein-coding
chr15-754	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr15	75465653	75466410	+	0	NA	3’ UTR (N	3’ UTR (N	-10216	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr17-182	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr17	18281715	18286571	+	0	NA	intron (N	AluSg|SIN	23033	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochond	protein-coding
chr2-2579	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr2	25797460	25798550	+	0	NA	intron (N	L1MC1|LIN	-3314	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr2-3709	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr2	37097205	37099827	+	0	NA	TTS (NM_0	TTS (NM_0	14065	NM_001278	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch d	protein-coding
chr2-7448	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr2	74485435	74487525	+	0	NA	intron (N	L2a|LINE|	3399	NM_022492	64427	Hs.557709	NM_022492	ENSG00000	TTC31	-	tetratric	protein-coding
chr20-472	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr20	47282466	47285561	+	0	NA	intron (N	AluSz6|SI	-34489	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr3-1126	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr3	11260473	11261842	+	0	NA	3’ UTR (N	3’ UTR (N	8458	NM_000861	3269	Hs.1570	NM_000861	ENSG00000	HRH1	H1-R|H1R|	histamine	protein-coding
chr3-6902	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr3	69021006	69021892	+	0	NA	3’ UTR (N	3’ UTR (N	-7765	NM_001278	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr3-1288	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluSz|SIN	-29091	NR_162138	1.13E+08		NR_162138		MIR12124	-	microRNA	ncRNA
chr3-1849	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	Charlie19	155000	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr4-4852	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr4	48524159	48527225	+	0	NA	intron (N	intron (N	35440	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr5-1376	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr5	13767468	13768497	+	0	NA	intron (N	intron (N	176498	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1759	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	Intergeni	MamRep152	10053	NM_032361	84321	Hs.484227	NM_032361	ENSG00000	THOC3	THO3|hTRE	THO compl	protein-coding
chr6-8753	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr6	87534739	87536687	+	0	NA	intron (N	AluSz6|SI	54274	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr8-1802	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr8	18027040	18027656	+	0	NA	intron (N	intron (N	55848	NM_001363	427	Hs.527412	NM_004315	ENSG00000	ASAH1	AC|ACDase	N-acylsph	protein-coding
chr8-5580	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr8	55804311	55808933	+	0	NA	intron (N	Tigger2b_	33176	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr8-6666	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr8	66661461	66662319	+	0	NA	intron (N	AluSc8|SI	5341	NM_025054	80124	Hs.632066	NM_025054	ENSG00000	VCPIP1	DUBA3|VCI	valosin c	protein-coding
chr9-5985	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr9	5985495	5986175	+	0	NA	intron (N	intron (N	-21991	NR_039811	1.01E+08		NR_039811	ENSG00000	MIR4665	mir-4665	microRNA	ncRNA
chr9-3788	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr9	37887110	37888093	+	0	NA	TTS (NM_0	TTS (NM_0	16526	NM_033412	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr9-1344	6.17018	-0.3031	0.923361	-0.32826	0.742717	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	25748	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr11-111	11.6307	0.226403	0.690499	0.327884	0.743	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	41450	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr2-1710	11.6307	0.226403	0.690499	0.327884	0.743	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	13292	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr1-1552	12.13515	0.22155	0.675762	0.327852	0.743024	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-5237	NM_005698	10067	Hs.200600	NM_005698	ENSG00000	SCAMP3	C1orf3	secretory	protein-coding

chr1-2038	12.13515	0.22155	0.675762	0.327852	0.743024	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-26505	NM_003094	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr1-2173	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr1	21732289	21732940	+	0	NA	intron (N	Charlie2b	50535	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitin	protein-coding
chr1-3547	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr1	35473722	35474929	+	0	NA	intron (N	MIRb|SINE	83078	NM_024874	79932	Hs.456507	NM_024874	ENSG00000	KIAA0319L	AAVR|AAVR	KIAA0319	protein-coding
chr11-434	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr11	43452722	43454470	+	0	NA	intron (N	L1M8|LINE	94676	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr18-209	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr18	20957449	20958723	+	0	NA	intron (N	L1ME2|LIN	153727	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr2-4233	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr2	42335870	42336353	+	0	NA	intron (N	intron (N	23927	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CC	cytochrom	protein-coding
chr2-1215	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-6436	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr2-1827	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	L1PA6|LIN	53480	NR_073367	54431	Hs.516632	NM_018981	ENSG00000	DNAJC10	ERdj5|JPD	DnaJ heat	protein-coding
chr3-4750	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr3	47505699	47507116	+	0	NA	intron (N	MER11C|LT	6938	NM_001363	54859	Hs.311100	NM_017713	ENSG00000	ELP6	C3orf75|T	elongator	protein-coding
chr3-4939	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr3	49394119	49394951	+	0	NA	intron (N	AluSz|SIN	17441	NM_001313	387	Hs.247077	NM_001664	ENSG00000	RHOA	ARH12|ARH	ras homol	protein-coding
chr3-1309	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	60457	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr5-1316	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-12165	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr6-8758	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr6	87584801	87585546	+	0	NA	non-codin	non-codin	4814	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr6-8973	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr6	89730399	89732480	+	0	NA	intron (N	L1PA8|LIN	88355	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr8-4740	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr8	47400952	47401842	+	0	NA	intron (N	L1PA5|LIN	140459	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr8-1093	5.700866	-0.31798	0.969939	-0.32784	0.743035	0.981636	chr8	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	7274	NR_036472	56943	Hs.492555	NM_020189	ENSG00000	ENY2	DC6|Sus1|	ENY2 tran	protein-coding
chr15-664	4.948588	0.335699	1.02511	0.327476	0.743308	0.981636	chr15	66446899	66447880	+	0	NA	intron (N	intron (N	49645	NR_039737	1.01E+08		NR_039737	ENSG00000	MIR4512	-	microRNA	ncRNA
chr7-6672	4.948588	0.335699	1.02511	0.327476	0.743308	0.981636	chr7	66721015	66722288	+	0	NA	intron (N	MLT1D|LTR	-19082	NM_001367	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr9-9634	4.948588	0.335699	1.02511	0.327476	0.743308	0.981636	chr9	96348628	96349681	+	0	NA	intron (N	LTR48B|LT	34556	NR_104627	11046	Hs.494556	NM_007001	ENSG00000	SLC35D2	HFRC1|SQV	solute ca	protein-coding
chr9-1302	4.948588	0.335699	1.02511	0.327476	0.743308	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	3175	NM_001128	23413	Hs.642946	NM_014286	ENSG00000	NCS1	FLUP|FREQ	neuronal	protein-coding
chr1-1101	12.63959	0.21708	0.663008	0.327416	0.743353	0.981636	chr1	11013689	11023851	+	0	NA	exon (NM_	exon (NM_	6148	NM_007375	23435	Hs.300624	NM_007375	ENSG00000	TARDBP	ALS10|TDP	TAR DNA b	protein-coding
chr1-2306	6.193754	-0.30966	0.945917	-0.32737	0.743389	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	34476	NM_000029	183	Hs.19383	NM_000029	ENSG00000	AGT	ANHU|SERP	angiotens	protein-coding
chr18-797	5.478458	0.32224	0.984474	0.327322	0.743424	0.981636	chr18	79722520	79723412	+	0	NA	intron (N	intron (N	41536	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr19-183	5.478458	0.32224	0.984474	0.327322	0.743424	0.981636	chr19	18314905	18315558	+	0	NA	intron (N	AluJo|SIN	7845	NM_012321	25804	Hs.515255	NM_012321	ENSG00000	LSM4	GRP|YER11	LSM4 homo	protein-coding
chr3-1264	5.478458	0.32224	0.984474	0.327322	0.743424	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	11886	NM_025112	79364	Hs.440049	NM_025112	ENSG00000	ZXDC	ZXDL	ZXD famil	protein-coding
chr7-1280	5.478458	0.32224	0.984474	0.327322	0.743424	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	7000	NR_030324	693178		NR_030324	ENSG00000	MIR593	MIRN593|h	microRNA	ncRNA
chr3-1978	4.752529	-0.36986	1.13028	-0.32723	0.743497	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	57119	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr19-458	8.939872	-0.25919	0.792187	-0.32719	0.743525	0.981636	chr19	45824779	45825182	+	0	NA	intron (N	intron (N	-9672	NM_030785	81492	Hs.146544	NM_030785	ENSG00000	RSPH6A	RSHL1|RSP	radial sp	protein-coding
chr6-8751	8.939872	-0.25919	0.792187	-0.32719	0.743525	0.981636	chr6	87510141	87512114	+	0	NA	intron (N	intron (N	38153	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMP	solute ca	protein-coding
chr9-9764	10.33996	-0.24053	0.735268	-0.32713	0.743568	0.981636	chr9	97647504	97648266	+	0	NA	intron (N	intron (N	14064	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCB	nuclear c	protein-coding
chr14-954	4.989728	0.338018	1.033875	0.326943	0.743711	0.981636	chr14	95466829	95467686	+	0	NA	intron (N	MIRb|SINE	8578	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr7-6804	4.989728	0.338018	1.033875	0.326943	0.743711	0.981636	chr7	6804507	6806148	+	0	NA	intron (N	intron (N	20968	NM_198097	221960	Hs.567779	NM_198097	ENSG00000	CCZ1B	C7orf28A|	CCZ1 homo	protein-coding
chr9-1103	14.06769	-0.20695	0.633509	-0.32668	0.743912	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	-61809	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr2-2013	12.68073	0.21817	0.668224	0.326492	0.744052	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	-23228	NM_139163	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr11-171	6.129041	-0.30665	0.93934	-0.32646	0.74408	0.981636	chr11	17119135	17119987	+	0	NA	intron (N	intron (N	-41894	NM_001017	6207	Hs.446588	NM_001017	ENSG00000	RPS13	S13	ribosomal	protein-coding
chr4-3987	6.129041	-0.30665	0.93934	-0.32646	0.74408	0.981636	chr4	39878279	39879102	+	0	NA	intron (N	intron (N	99221	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr6-8393	6.129041	-0.30665	0.93934	-0.32646	0.74408	0.981636	chr6	83936555	83937226	+	0	NA	intron (N	intron (N	77201	NM_016230	51167	Hs.5741	NM_016230	ENSG00000	CYB5R4	NCB5OR|cb	cytochrom	protein-coding
chr9-9591	6.129041	-0.30665	0.93934	-0.32646	0.74408	0.981636	chr9	95918602	95919022	+	0	NA	intron (N	intron (N	42804	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr1-7979	8.445134	-0.27158	0.831986	-0.32643	0.744099	0.981636	chr1	7979635	7979844	+	0	NA	intron (N	AluJr4|SI	18028	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding
chr14-512	5.4706	0.325193	0.996412	0.326364	0.744149	0.981636	chr14	51245676	51246622	+	0	NA	intron (N	intron (N	5902	NM_030755	81542	Hs.125221	NM_030755	ENSG00000	TMX1	PDIA11|TM	thioredox	protein-coding
chr9-1243	9.442468	-0.24919	0.764279	-0.32604	0.744392	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME3|LIN	-15526	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr1-1183	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr1	11838617	11839875	+	0	NA	intron (N	intron (N	-1073	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr3-1699	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluY|SINE	11232	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr5-6926	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr5	69267568	69270525	+	0	NA	intron (N	AluSz6|SI	34160	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr5-1282	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	177744	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr5-1283	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSq2|SI	193491	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr6-7905	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr6	79052778	79053588	+	0	NA	intron (N	AluSz|SIN	25071	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr7-7762	9.903925	-0.24216	0.742837	-0.32599	0.74443	0.981636	chr7	77620672	77622729	+	0	NA	intron (N	Tigger3b|	74565	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr2-1137	10.57281	0.237562	0.728978	0.325884	0.744512	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	8817	NR_039943	1.01E+08		NR_039943	ENSG00000	MIR4782	-	microRNA	ncRNA
chr22-503	5.486316	0.319471	0.980716	0.325752	0.744612	0.981636	chr22	50303530	50304360	+	0	NA	intron (N	intron (N	3701	NM_012401	23654	Hs.3989	NM_012401	ENSG00000	PLXNB2	MM1|NblaC	plexin B2	protein-coding
chr5-7105	5.486316	0.319471	0.980716	0.325752	0.744612	0.981636	chr5	71059127	71059675	+	0	NA	intron (N	AluSc|SIN	8251	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr15-197	25.23823	0.16098	0.49419	0.325744	0.744618	0.981636	chr15	19775509	19779864	+	0	NA	Intergeni	ALR/Alpha	-505058	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-9999	9.821646	-0.24646	0.756763	-0.32568	0.744669	0.981636	chr1	99991598	99992028	+	0	NA	intron (N	AluSc|SIN	21296	NM_001271	23443	Hs.448979	NM_012243	ENSG00000	SLC35A3	AMRS	solute ca	protein-coding
chr19-108	9.821646	-0.24646	0.756763	-0.32568	0.744669	0.981636	chr19	10808713	10809447	+	0	NA	intron (N	MER117|DN	8416	NR_029586	406976		NR_029586	ENSG00000	MIR199A1	MIR-199-s	microRNA	ncRNA
chr1-1453	13.64849	0.209167	0.642403	0.3256	0.744727	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	10818	NM_001278	1E+08	Hs.445080	NM_001278	ENSG00000	NBPF20	-	NBPF memb	protein-coding
chr19-256	69.46855	0.111852	0.34386	0.325285	0.744965	0.981636	chr19	25601078	25601308	+	0	NA	Intergeni	ALR/Alpha	-1437746	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1677	9.854927	-0.2429	0.746763	-0.32527	0.744973	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	L1MEc|LIN	55727	NM_024569	9019	Hs.493919	NM_003953	ENSG00000	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr12-129	9.854927	-0.2429	0.746763	-0.32527	0.744973	0.981636	chr12	12977203	12977680	+	0	NA	intron (N	FAM|SINE|	-2396	NR_038920	1.01E+08	Hs.127718	NR_038920	ENSG00000	GPRC5D-AS	-	GPRC5D an	ncRNA
chr3-1194	9.854927	-0.2429	0.746763	-0.32527	0.744973	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	2220	NR_073506	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr1-3166	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	31660262	31662340	+	0	NA	intron (N	intron (N	-16425	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr1-5208	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	52086192	52086804	+	0	NA	intron (N	intron (N	30203	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr1-7475	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	74754683	74756975	+	0	NA	intron (N	intron (N	-22421	NM_001130	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding
chr1-8635	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	86354504	86355748	+	0	NA	intron (N	intron (N	2561	NR_107010	1.02E+08		NR_107010	ENSG00000	MIR7856	hsa-mir-7	microRNA	ncRNA
chr1-1117	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	L2c|LINE|	35647	NM_019099	55924	Hs.193406	NM_019099	ENSG00000	INKA2	C1orf183|	inka box	protein-coding
chr1-2403	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	Tigger1|D	217694	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr10-119	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	16259	NM_001243	22876	Hs.369755	NM_014937	ENSG00000	INPP5F	MSTP007|M	inositol	protein-coding
chr10-120	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSz|SIN	24153	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr11-434	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr11	43430224	43430995	+	0	NA	intron (N	intron (N	71689	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr12-487	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr12	48764841	48765343	+	0	NA	intron (N	intron (N	6945	NR_039850	1.01E+08		NR_039850	ENSG00000	MIR4701	-	microRNA	ncRNA
chr12-120	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	2173	NM_001167	11021	Hs.524788	NM_006861	ENSG00000	RAB35	H-ray|RAB	RAB35, me	protein-coding
chr13-513	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr13	51362890	51364018	+	0	NA	3’ UTR (N	3’ UTR (N	-14815	NR_049878	1.01E+08		NR_049878	ENSG00000	MIR5693	-	microRNA	ncRNA
chr13-956	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr13	95635065	95638359	+	0	NA	intron (N	HAL1b|LIN	7994	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr13-102	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L2|LINE|L	38320	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr14-312	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr14	31201550	31202163	+	0	NA	intron (N	intron (N	5937	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-501	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr14	50124616	50125366	+	0	NA	intron (N	intron (N	-8419	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr14-673	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr14	67322595	67324706	+	0	NA	intron (N	intron (N	36154	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr15-329	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr15	32962338	32964775	+	0	NA	intron (N	MER3|DNA|	104618	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr15-769	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr15	76947366	76950435	+	0	NA	intron (N	intron (N	17151	NM_002902	5955	Hs.79088	NM_002902	ENSG00000	RCN2	E6BP|ERC-	reticuloc	protein-coding
chr16-890	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr16	8909065	8911639	+	0	NA	intron (N	intron (N	26287	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr16-896	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr16	89661249	89662723	+	0	NA	TTS (NR_0	TTS (NR_0	3918	NR_073515	124045	Hs.655171	NM_153025	ENSG00000	SPATA33	C16orf55	spermatog	protein-coding
chr17-358	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr17	35830854	35833109	+	0	NA	intron (N	AluY|SINE	22497	NM_139215	8148	Hs.402752	NM_003487	ENSG00000	TAF15	Np13|RBP5	TATA-box	protein-coding
chr18-235	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr18	23528387	23529563	+	0	NA	intron (N	AluSp|SIN	25464	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|H	regulator	protein-coding
chr18-584	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr18	58488820	58489988	+	0	NA	intron (N	intron (N	-38252	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr19-292	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr19	29206348	29207701	+	0	NA	3’ UTR (N	3’ UTR (N	6127	NM_006003	7386	Hs.743307	NM_006003	ENSG00000	UQCRFS1	RIP1|RIS1	ubiquinol	protein-coding
chr19-579	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr19	57932888	57933656	+	0	NA	intron (N	L2|LINE|L	2130	NM_001317	147686	Hs.660728	NM_133460	ENSG00000	ZNF418	-	zinc fing	protein-coding
chr2-2407	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr2	24071554	24072358	+	0	NA	intron (N	intron (N	4370	NM_016047	51639	Hs.177861	NM_016047	ENSG00000	SF3B6	CGI-110|H	splicing	protein-coding
chr2-2226	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	27982	NR_130154	10056	Hs.471452	NM_005687	ENSG00000	FARSB	FARSLB|FR	phenylala	protein-coding
chr20-199	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr20	19948907	19952225	+	0	NA	intron (N	L1MC4|LIN	61000	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr20-348	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr20	34849080	34849440	+	0	NA	intron (N	AluJr4|SI	-14798	NR_002165	128872	Hs.558624	NR_002165		HMGB3P1	HMG4L|HMG	high mobi	pseudo
chr22-498	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr22	49883254	49885231	+	0	NA	exon (NM_	exon (NM_	30398	NM_014838	9889	Hs.475208	NM_014838	ENSG00000	ZBED4	-	zinc fing	protein-coding
chr3-1309	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	AluJb|SIN	31599	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr3-1559	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	L1MEd|LIN	53593	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr3-1809	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12938	NM_001190	131118	Hs.230601	NM_145261	ENSG00000	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr4-3947	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr4	39473038	39473784	+	0	NA	intron (N	intron (N	-6844	NR_026854	401127	Hs.383197	NR_026854	ENSG00000	LOC401127	-	WD repeat	pseudo
chr5-7220	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr5	72200371	72201943	+	0	NA	intron (N	AluJo|SIN	21370	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-1805	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	intron (N	L1MC1|LIN	510	NM_001370	57472	Hs.608380	NM_015455	ENSG00000	CNOT6	CCR4|Ccr4	CCR4-NOT	protein-coding
chr6-1742	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr6	17423811	17424556	+	0	NA	intron (N	AluY|SINE	30588	NM_006366	10486	Hs.132902	NM_006366	ENSG00000	CAP2	-	cyclase a	protein-coding
chr6-1164	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	-26490	NM_001276	441168	Hs.381220	NM_001010	ENSG00000	CALHM6	C6orf187|	calcium h	protein-coding
chr7-6730	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr7	67306477	67307989	+	0	NA	intron (N	AluSx4|SI	4595	NR_040585	64940	Hs.632013	NM_022906	ENSG00000	STAG3L4	STAG3L4P	stromal a	pseudo
chr7-9893	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr7	98934079	98935244	+	0	NA	intron (N	MER5B|DNA	52964	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1286	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluSz6|SI	-19614	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr9-2720	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr9	27209495	27210847	+	0	NA	intron (N	intron (N	72622	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-9820	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chr9	98203798	98204073	+	0	NA	intron (N	MIRb|SINE	9616	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|P	TBC1 doma	protein-coding
chrX-3027	6.162323	-0.30099	0.92563	-0.32518	0.745048	0.981636	chrX	302749	303575	+	0	NA	non-codin	non-codin	15657	NM_012227	8225	Hs.437145	NM_012227	ENSG00000	GTPBP6	PGPL	GTP bindi	protein-coding
chr1-1663	12.64745	0.215887	0.664246	0.325011	0.745173	0.981636	chr1	16633377	16634740	+	0	NA	Intergeni	L1ME4b|LI	-3152	NR_026752	84809	Hs.631865	NR_026752	ENSG00000	CROCCP2	CROCCL1	CROCC pse	pseudo
chr9-9284	12.64745	0.215887	0.664246	0.325011	0.745173	0.981636	chr9	92846844	92857291	+	0	NA	intron (N	intron (N	25901	NM_001354	83744	Hs.668378	NM_031486	ENSG00000	ZNF484	BA526D8.4	zinc fing	protein-coding
chr17-171	14.10883	-0.20548	0.632354	-0.32495	0.745218	0.981636	chr17	1711732	1714522	+	0	NA	TTS (NR_0	TTS (NR_0	860	NR_029494	407004		NR_029494	ENSG00000	MIR22	MIRN22|hs	microRNA	ncRNA
chr19-397	14.10883	-0.20548	0.632354	-0.32495	0.745218	0.981636	chr19	3974637	3984930	+	0	NA	intron (N	intron (N	2789	NR_002602	26812		NR_002602	ENSG00000	SNORD37	RNU37|U37	small nuc	snoRNA
chr1-6741	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr1	67411151	67416047	+	0	NA	intron (N	AluSx1|SI	16803	NM_001018	26135	Hs.530412	NM_015640	ENSG00000	SERBP1	CGI-55|CH	SERPINE1	protein-coding
chr10-121	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr10	12198965	12199849	+	0	NA	intron (N	L2a|LINE|	3219	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr10-687	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr10	68786856	68791951	+	0	NA	intron (N	AluSz|SIN	34231	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr10-933	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr10	93363421	93376127	+	0	NA	exon (NM_	exon (NM_	112560	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-110	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA2|LIN	-87181	NM_130439	4601	Hs.602078	NM_005962	ENSG00000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr11-210	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr11	210054	216014	+	0	NA	intron (N	intron (N	3698	NR_106801	1.02E+08		NR_106801	ENSG00000	MIR6743	hsa-mir-6	microRNA	ncRNA
chr14-311	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr14	31100472	31103951	+	0	NA	intron (N	L1ME3A|LI	75568	NM_001254	11154	Hs.293411	NM_007077	ENSG00000	AP4S1	AP47B|CLA	adaptor r	protein-coding
chr15-226	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr15	22682346	22684007	+	0	NA	intron (N	AluYd8|SI	18437	NR_003521	339005	Hs.212670	NR_003521		WHAMMP3	WHAMML1|W	WAS prote	pseudo
chr16-554	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr16	55492678	55493725	+	0	NA	exon (NM_	exon (NM_	11644	NM_001127	4313	Hs.513617	NM_004530	ENSG00000	MMP2	CLG4|CLG4	matrix me	protein-coding
chr17-358	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr17	35821350	35825356	+	0	NA	intron (N	intron (N	13869	NM_139215	8148	Hs.402752	NM_003487	ENSG00000	TAF15	Np13|RBP5	TATA-box	protein-coding
chr17-596	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr17	59689464	59696146	+	0	NA	intron (N	AluSx3|SI	14793	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAP	peptidyl-	protein-coding
chr2-1597	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSq|SIN	27143	NM_001282	64844	Hs.529272	NM_022826	ENSG00000	7-Mar	AXO|AXOT|	membrane	protein-coding
chr2-2070	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	non-codin	non-codin	29705	NR_036227	1E+08		NR_036227	ENSG00000	MIR2355	mir-2355	microRNA	ncRNA
chr2-2350	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	16257	NM_001371306								
chr20-414	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr20	41416449	41416648	+	0	NA	intron (N	intron (N	-49730	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding

chr3-9452	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr3	9452893	9458812	+	0	NA	intron (N	intron (N	58152	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-1837	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MB7|LIN	23565	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr4-7701	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr4	77014127	77016297	+	0	NA	intron (N	MIR3|SINE	59698	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr5-2544	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr5	254427	262975	+	0	NA	Intergeni	CpG	12823	NR_104613	1.02E+08	Hs.368328	NR_104613		HRAT5	-	heart tis	ncRNA
chr5-1713	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSx|SIN	13319	NM_001355	4869	Hs.557550	NM_002520	ENSG00000	NPM1	B23|NPM	nucleopho	protein-coding
chr6-4040	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr6	4040106	4045177	+	0	NA	intron (N	intron (N	21341	NM_003913	8899	Hs.159014	NM_003913	ENSG00000	PRPF4B	PR4H|PRP4	pre-mRNA	protein-coding
chr7-8734	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr7	87348710	87355828	+	0	NA	intron (N	LOR1-int|	6605	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr7-1124	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-12026	NM_001134	286006	Hs.396189	NM_182597	ENSG00000	LSMEM1	C7orf53	leucine r	protein-coding
chr7-1395	9.896067	-0.2408	0.741454	-0.32477	0.745354	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	80380	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr11-107	10.32424	-0.23785	0.732617	-0.32465	0.745445	0.981636	chr11	10761115	10761321	+	0	NA	intron (N	intron (N	9972	NM_001346	9646	Hs.725151	NM_014633	ENSG00000	CTR9	SH2BP1|TS	CTR9 homo	protein-coding
chr16-840	4.956446	0.332715	1.02505	0.324585	0.745495	0.981636	chr16	84054539	84055112	+	0	NA	intron (N	intron (N	-12668	NM_001080	146167		NM_001080	ENSG00000	SLC38A8	FVH2	solute ca	protein-coding
chr9-1250	4.956446	0.332715	1.02505	0.324585	0.745495	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L1PA3|LIN	-71133	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr14-309	10.11736	0.243615	0.750558	0.324578	0.7455	0.981636	chr14	30949389	30949924	+	0	NA	intron (N	AluSx3|SI	-59848	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr13-453	9.43461	-0.24776	0.764087	-0.32425	0.745746	0.981636	chr13	45351771	45352192	+	0	NA	intron (N	AluJb|SIN	10636	NR_024458	1E+08	Hs.375766	NR_024458		TPT1-AS1	-	TPT1 anti	ncRNA
chr17-598	6.606213	-0.29618	0.916471	-0.32317	0.746565	0.981636	chr17	59812342	59812695	+	0	NA	intron (N	intron (N	-28748	NR_029493	406991	Hs.444569	NR_029493	ENSG00000	MIR21	MIRN21|hs	microRNA	ncRNA
chr6-3091	8.98887	-0.2581	0.798736	-0.32314	0.746589	0.981636	chr6	3091904	3092472	+	0	NA	intron (N	CpG	23694	NM_001354	8737	Hs.519842	NM_003804	ENSG00000	RIPK1	IMD57|RIP	receptor	protein-coding
chr17-461	12.60631	0.214803	0.664854	0.323083	0.746632	0.981636	chr17	46170086	46172222	+	0	NA	exon (NM_	exon (NM_	21628	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr2-3554	10.36538	-0.23581	0.730084	-0.32298	0.746708	0.981636	chr2	3554863	3556150	+	0	NA	intron (N	intron (N	2827	NM_001286	246243	Hs.568006	NM_002936	ENSG00000	RNASEH1	H1RNA|PEC	ribonucle	protein-coding
chr10-151	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr10	15126127	15128402	+	0	NA	intron (N	intron (N	28083	NR_036506	1E+08	Hs.714691	NR_036506	ENSG00000	PPIAP30	-	peptidylp	pseudo
chr12-437	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr12	43793079	43795579	+	0	NA	non-codin	non-codin	11988	NM_001242	5756	Hs.189075	NM_002822	ENSG00000	TWF1	A6|PTK9	twinfilin	protein-coding
chr12-110	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	10337	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr14-921	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr14	92154477	92156371	+	0	NA	intron (N	intron (N	33455	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr16-752	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr16	75240634	75243257	+	0	NA	intron (N	intron (N	-3285	NM_001170	9564	Hs.479747	NM_014567	ENSG00000	BCAR1	CAS|CAS1|	BCAR1 sca	protein-coding
chr3-1236	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-6549	NM_053032	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr5-1416	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr5	14162761	14164878	+	0	NA	intron (N	intron (N	20477	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr8-1300	9.888209	-0.23944	0.74244	-0.3225	0.747072	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	Tigger12c	-5247	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-1461	14.66524	0.20137	0.624833	0.322279	0.747242	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA8|LIN	41890	NM_001364	388677	Hs.655156	NM_203458	ENSG00000	NOTCH2NLA	N2N|NOTCH	notch 2 N	protein-coding
chr1-5515	10.31638	-0.23656	0.734654	-0.322	0.747455	0.981636	chr1	55154007	55154206	+	0	NA	intron (N	intron (N	61258	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitin	protein-coding
chr7-6497	13.15976	0.210667	0.654333	0.321957	0.747485	0.981636	chr7	64978273	64982801	+	0	NA	intron (N	intron (N	10499	NM_015852	51351	Hs.250693	NM_015852	ENSG00000	ZNF117	H-plk|HPF	zinc fing	protein-coding
chr12-123	8.981012	-0.25661	0.797164	-0.32191	0.747523	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	8233	NR_145743	1.1E+08		NR_145743	ENSG00000	SNORA9B	-	small nuc	snoRNA
chr14-746	10.58853	0.234676	0.729397	0.32174	0.74765	0.981636	chr14	74666910	74667255	+	0	NA	intron (N	intron (N	45998	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr1-3849	5.693008	-0.31545	0.981023	-0.32155	0.747794	0.981636	chr1	3849967	3850785	+	0	NA	intron (N	intron (N	6835	NM_014704	9731	Hs.133089	NM_014704	ENSG00000	CEP104	CFAP256|C	centrosom	protein-coding
chr3-1237	5.693008	-0.31545	0.981023	-0.32155	0.747794	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	66928	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr6-1167	5.693008	-0.31545	0.981023	-0.32155	0.747794	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	35185	NM_001366	3841	Hs.182971	NM_002269	ENSG00000	KPNA5	IPOA6|SRP	karyopher	protein-coding
chr8-1447	5.693008	-0.31545	0.981023	-0.32155	0.747794	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	AluSq2|SI	18645	NM_138367	90987	Hs.534516	NM_138367	ENSG00000	ZNF251	-	zinc fing	protein-coding
chr16-599	6.203462	-0.29756	0.925957	-0.32135	0.747943	0.981636	chr16	599326	599994	+	0	NA	intron (N	CpG	9583	NM_001172	57799	Hs.459630	NM_021168	ENSG00000	RAB40C	RARL|RASL	RAB40C, m	protein-coding
chr2-8578	6.203462	-0.29756	0.925957	-0.32135	0.747943	0.981636	chr2	85782725	85783391	+	0	NA	TTS (NR_1	TTS (NR_1	619	NR_106719	1.02E+08		NR_106719	ENSG00000	MIR6071	hsa-mir-6	microRNA	ncRNA
chr2-2377	6.203462	-0.29756	0.925957	-0.32135	0.747943	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	L1MEd|LIN	-22078	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr6-1600	6.203462	-0.29756	0.925957	-0.32135	0.747943	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-24849	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr4-3888	9.426752	-0.24628	0.766456	-0.32132	0.747967	0.981636	chr4	38887804	38888476	+	0	NA	intron (N	intron (N	20108	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr9-7172	9.426752	-0.24628	0.766456	-0.32132	0.747967	0.981636	chr9	71724851	71725050	+	0	NA	intron (N	intron (N	43563	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr12-372	13.60735	0.208189	0.648565	0.320999	0.748211	0.981636	chr12	37235425	37236174	+	0	NA	Intergeni	ALR/Alpha	-1080975	NM_001308	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr11-364	6.639495	-0.29066	0.905682	-0.32093	0.748264	0.981636	chr11	36485378	36486205	+	0	NA	3’ UTR (N	3’ UTR (N	24481	NM_145803	7189	Hs.444172	NM_004620	ENSG00000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr12-661	9.847069	-0.24153	0.752658	-0.3209	0.748288	0.981636	chr12	66122669	66125074	+	0	NA	exon (NM_	exon (NM_	6879	NM_032338	84298	Hs.504820	NM_032338	ENSG00000	LLPH	C12orf31|	LLP homol	protein-coding
chr1-2050	11.60528	0.222612	0.693791	0.320863	0.748314	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3601	NM_203376	388730	Hs.146928	NM_203376	ENSG00000	TMEM81	HC3107|KV	transmemb	protein-coding
chr13-112	5.453034	0.314589	0.981445	0.320536	0.748562	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx|SIN	84712	NM_006322	10426	Hs.224152	NM_006322	ENSG00000	TUBGCP3	104p|ALP6	tubulin g	protein-coding
chr17-189	5.453034	0.314589	0.981445	0.320536	0.748562	0.981636	chr17	18977971	18978940	+	0	NA	exon (NM_	exon (NM_	26290	NM_001270	125206	Hs.462418	NM_152351	ENSG00000	SLC5A10	SGLT-5|SC	solute ca	protein-coding
chr7-6506	5.453034	0.314589	0.981445	0.320536	0.748562	0.981636	chr7	65069425	65070221	+	0	NA	promoter-	promoter-	-715	NR_145713	1.1E+08		NR_145713	ENSG00000	SNORA15B-	SNORA15C	small nuc	snoRNA
chr8-1178	5.453034	0.314589	0.981445	0.320536	0.748562	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	32113	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr2-6135	10.34967	-0.23316	0.727445	-0.32052	0.748572	0.981636	chr2	61354633	61354938	+	0	NA	intron (N	intron (N	62592	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr1-2467	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSz6|SI	20369	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr11-438	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr11	43898686	43899312	+	0	NA	non-codin	non-codin	1696	NR_026952	729799	Hs.368920	NR_026952	ENSG00000	SEC14L1P1	-	SEC14 lik	pseudo
chr12-622	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr12	62298188	62299405	+	0	NA	intron (N	AluJb|SIN	38392	NR_147080	9958	Hs.434951	NM_006313	ENSG00000	USP15	UNPH-2|UN	ubiquitin	protein-coding
chr13-770	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr13	77059987	77061612	+	0	NA	intron (N	MIR3|SINE	-14715	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr17-307	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr17	30748296	30749273	+	0	NA	intron (N	AluSx1|SI	39176	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr17-321	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr17	32173459	32173852	+	0	NA	intron (N	AluSg4|SI	-22084	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr2-1121	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr2	11217387	11218574	+	0	NA	intron (N	MIRb|SINE	62513	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr20-385	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr20	38522947	38523375	+	0	NA	intron (N	AluSc8|SI	6598	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR548O2	-	microRNA	ncRNA
chr20-583	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr20	58313805	58314071	+	0	NA	intron (N	MER58A|DN	4223	NM_020673	57403	Hs.529044	NM_020673	ENSG00000	RAB22A	-	RAB22A, m	protein-coding
chr3-3385	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	33852080	33854440	+	0	NA	intron (N	intron (N	54630	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-7105	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	71051427	71052051	+	0	NA	intron (N	intron (N	13185	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1237	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	81476	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1253	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	27110	NM_001348	7707	Hs.592591	NM_021964	ENSG00000	ZNF148	BERF-1|BF	zinc fing	protein-coding
chr3-1336	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	L2a|LINE|	5776	NM_001363	11073	Hs.593379	NM_007027	ENSG00000	TOPBP1	Dpb11|TOP	DNA topoi	protein-coding
chr3-1384	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-29866	NR_136409	83850	Hs.477711	NM_031913	ENSG00000	ESYT3	CHR3SYT|E	extended	protein-coding
chr5-1406	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_0	TTS (NM_0	560	NM_194249	373863	Hs.591262	NM_194249	ENSG00000	DND1	RBMS4	DND micro	protein-coding
chr5-1709	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	L1P2|LINE	59065	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr5-1808	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	5527	NM_001172	643836	Hs.509227	NM_152283	ENSG00000	ZFP62	ZET|ZNF75	ZFP62 zin	protein-coding
chr8-4784	6.154465	-0.29886	0.932765	-0.3204	0.748663	0.981636	chr8	47842497	47844165	+	0	NA	intron (N	L1PA16|LI	-105167	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr11-446	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr11	44618444	44618762	+	0	NA	intron (N	intron (N	52940	NM_002231	3732	Hs.527778	NM_002231	ENSG00000	CD82	4F9|C33|C	CD82 mole	protein-coding
chr14-101	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_0	TTS (NR_0	111	NR_029871	494328		NR_029871	ENSG00000	MIR379	MIRN379|h	microRNA	ncRNA
chr17-234	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr17	2341436	2342192	+	0	NA	intron (N	L1ME3A|LI	4313	NM_014853	9905	Hs.513861	NM_014853	ENSG00000	SGSM2	RUTBC1	small G p	protein-coding
chr2-1975	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	AluJb|SIN	30298	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr22-415	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr22	41514806	41515780	+	0	NA	intron (N	intron (N	29177	NM_001018	171568	Hs.712617	NM_138338	ENSG00000	POLR3H	RPC22.9|R	RNA polym	protein-coding
chr7-7697	6.631637	-0.28857	0.901261	-0.32018	0.748831	0.981636	chr7	76971613	76972217	+	0	NA	Intergeni	AluSz6|SI	-8907	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr2-3321	6.121183	-0.30458	0.951952	-0.31995	0.749007	0.981636	chr2	33218775	33219012	+	0	NA	intron (N	intron (N	84296	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr1-3833	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr1	3833198	3833971	+	0	NA	intron (N	intron (N	23627	NM_014704	9731	Hs.133089	NM_014704	ENSG00000	CEP104	CFAP256|C	centrosom	protein-coding
chr10-956	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr10	95611566	95612331	+	0	NA	intron (N	AluSx1|SI	44763	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr11-472	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr11	47292069	47294361	+	0	NA	intron (N	intron (N	-21105	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-108	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1ME2z|LI	-38533	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr12-214	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr12	21446478	21448833	+	0	NA	intron (N	intron (N	9740	NM_001350	79912	Hs.709545	NM_024854	ENSG00000	PYROXD1	MFM8	pyridine	protein-coding
chr12-641	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr12	64145001	64146094	+	0	NA	3’ UTR (N	3’ UTR (N	76749	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr14-644	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr14	64449418	64450932	+	0	NA	intron (N	intron (N	-15324	NM_004857	9495	Hs.656683	NM_004857	ENSG00000	AKAP5	AKAP75|AK	A-kinase	protein-coding
chr15-429	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr15	42965768	42967629	+	0	NA	intron (N	intron (N	-45920	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-592	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr15	59222701	59223462	+	0	NA	exon (NM_	exon (NM_	16238	NM_033195	92483	Hs.307052	NM_033195	ENSG00000	LDHAL6B	LDH6B|LDH	lactate d	protein-coding
chr15-904	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr15	90433147	90433885	+	0	NA	intron (N	intron (N	45274	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr17-474	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr17	47474193	47476246	+	0	NA	intron (N	L1MB4|LIN	17401	NR_033934	653479	Hs.537279	NR_033934		MRPL45P2	-	mitochond	pseudo
chr17-504	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr17	50436535	50437278	+	0	NA	intron (N	intron (N	10748	NM_001288	80221	Hs.288959	NM_025149	ENSG00000	ACSF2	ACSMW|AVY	acyl-CoA	protein-coding
chr19-112	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr19	1129297	1130328	+	0	NA	intron (N	intron (N	2409	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr2-6388	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr2	63883437	63886958	+	0	NA	intron (N	intron (N	43317	NM_006759	7360	Hs.516217	NM_006759	ENSG00000	UGP2	UDPG|UDPG	UDP-gluco	protein-coding
chr2-1714	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-17222	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr3-1415	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	48931	NM_001303	5922	Hs.98445	NM_006506	ENSG00000	RASA2	GAP1M	RAS p21 p	protein-coding
chr3-1550	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr3	1.55E+08	1.55E+08	+	0	NA	intron (N	L1PA5|LIN	19782	NM_007288	4311	Hs.307734	NM_000902	ENSG00000	MME	CALLA|CD1	membrane	protein-coding
chr7-6623	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr7	66230377	66232660	+	0	NA	intron (N	LTR12C|LT	26184	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr9-1348	6.195604	-0.29547	0.92352	-0.31993	0.749018	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	46910	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr9-3505	13.12648	0.208468	0.652321	0.31958	0.749287	0.981636	chr9	35054551	35068355	+	0	NA	intron (N	intron (N	10855	NM_001354	7415	Hs.529782	NM_007126	ENSG00000	VCP	CDC48|TER	valosin c	protein-coding
chr6-8552	5.445176	0.317421	0.993352	0.319545	0.749313	0.981636	chr6	85526095	85526512	+	0	NA	intron (N	intron (N	67555	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr12-124	19.27964	-0.17612	0.551364	-0.31942	0.749406	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	1824	NM_021009	7316	Hs.520348	NM_021009	ENSG00000	UBC	HMG20	ubiquitin	protein-coding
chr1-2431	12.62203	0.21241	0.665306	0.319268	0.749524	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	exon (NM_	exon (NM_	69399	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr4-2853	12.62203	0.21241	0.665306	0.319268	0.749524	0.981636	chr4	2853576	2854075	+	0	NA	intron (N	AluSq2|SI	9675	NM_001286	118	Hs.183706	NM_001119	ENSG00000	ADD1	ADDA	adducin 1	protein-coding
chr4-8676	8.478416	-0.26708	0.836549	-0.31926	0.749527	0.981636	chr4	86767616	86767983	+	0	NA	intron (N	intron (N	81585	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr15-505	5.734148	-0.31166	0.976261	-0.31924	0.749547	0.981636	chr15	50584030	50585004	+	0	NA	intron (N	HAL1|LINE	-37851	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr6-3100	5.734148	-0.31166	0.976261	-0.31924	0.749547	0.981636	chr6	3100188	3100835	+	0	NA	intron (N	L1ME4b|LI	-17865	NR_026649	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr9-1203	5.734148	-0.31166	0.976261	-0.31924	0.749547	0.981636	chr9	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-147075	NR_029604	406939		NR_029604	ENSG00000	MIR147A	MIR147|MI	microRNA	ncRNA
chrX-1206	5.734148	-0.31166	0.976261	-0.31924	0.749547	0.981636	chrX	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	6450	NM_001137	28985	Hs.102696	NM_014060	ENSG00000	MCTS1	MCT-1|MCT	MCTS1 re-	protein-coding
chr1-4381	9.880351	-0.23805	0.745827	-0.31918	0.749591	0.981636	chr1	43818195	43819624	+	0	NA	intron (N	MER58B|DN	-19713	NR_106727	1.02E+08		NR_106727	ENSG00000	MIR6079	hsa-mir-6	microRNA	ncRNA
chr12-158	9.880351	-0.23805	0.745827	-0.31918	0.749591	0.981636	chr12	15886211	15886744	+	0	NA	intron (N	MIRb|SINE	4090	NM_007178	11171	Hs.743971	NM_007178	ENSG00000	STRAP	MAWD|PT-W	serine/th	protein-coding
chr2-1890	9.880351	-0.23805	0.745827	-0.31918	0.749591	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	44900	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr4-1187	9.880351	-0.23805	0.745827	-0.31918	0.749591	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	65370	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr7-1124	9.880351	-0.23805	0.745827	-0.31918	0.749591	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	12584	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interfero	protein-coding
chr1-6702	5.990762	0.301686	0.945207	0.319174	0.749594	0.981636	chr1	67024354	67025330	+	0	NA	intron (N	AluJr|SIN	29306	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr18-352	14.13537	0.201433	0.631215	0.319119	0.749636	0.981636	chr18	35242448	35251766	+	0	NA	3’ UTR (N	3’ UTR (N	6073	NM_032347	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr3-1015	14.13537	0.201433	0.631215	0.319119	0.749636	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	2700	NM_020357	57092	Hs.732633	NM_020357	ENSG00000	PCNP	-	PEST prot	protein-coding
chr1-3533	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr1	35335586	35336806	+	0	NA	intron (N	L1MB2|LIN	29881	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-3639	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr1	36391697	36392302	+	0	NA	Intergeni	AluSz6|SI	5909	NM_032881	84967	Hs.603131	NM_032881	ENSG00000	LSM10	MST074|MS	LSM10, U7	protein-coding
chr12-719	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr12	7193916	7194985	+	0	NA	intron (N	L1MD2|LIN	4088	NM_000319	5830	Hs.567327	NM_000319	ENSG00000	PEX5	PBD2A|PBD	peroxisom	protein-coding
chr13-302	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr13	30280938	30282575	+	0	NA	intron (N	intron (N	25255	NM_001014	84056	Hs.243596	NM_032116	ENSG00000	KATNAL1	-	katanin c	protein-coding
chr17-159	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr17	15990012	15991425	+	0	NA	intron (N	intron (N	8986	NM_001042	125150	Hs.593985	NM_001042	ENSG00000	ZSWIM7	SWS1	zinc fing	protein-coding
chr17-296	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr17	29653125	29653699	+	0	NA	intron (N	intron (N	-31989	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr2-2029	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr2	20298498	20300379	+	0	NA	intron (N	AluSz6|SI	27948	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio R	protein-coding
chr21-372	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr21	37233795	37234321	+	0	NA	intron (N	intron (N	25555	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr3-9687	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr3	9687449	9688029	+	0	NA	intron (N	intron (N	-16094	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr6-3738	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr6	37381248	37381891	+	0	NA	intron (N	Tigger16a	27586	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding

chr9-9445	5.460892	0.311866	0.977698	0.31898	0.749742	0.981636	chr9	94453642	94455598	+	0	NA	intron (N	AluSx1|SI	80051	NM_032558	84641	Hs.555990	NM_032558	ENSG00000	MFSD14B	HIATL1	major fac	protein-coding
chr2-9223	14.17651	0.202447	0.634846	0.318892	0.749808	0.981636	chr2	92235686	92236549	+	0	NA	Intergeni	ALR/Alpha	294984	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr12-125	4.964304	0.329655	1.033997	0.318816	0.749866	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	22257	NM_023928	65985	Hs.656073	NM_023928	ENSG00000	AACS	ACSF1|SUR	acetoacet	protein-coding
chr2-2636	4.964304	0.329655	1.033997	0.318816	0.749866	0.981636	chr2	26369768	26370497	+	0	NA	intron (N	SVA_D|Ret	-23343	NM_001321	165082	Hs.631878	NM_153835	ENSG00000	ADGRF3	GPR113|PG	adhesion	protein-coding
chr2-7385	4.964304	0.329655	1.033997	0.318816	0.749866	0.981636	chr2	73850597	73851237	+	0	NA	intron (N	intron (N	21950	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM binc	protein-coding
chr3-4693	4.964304	0.329655	1.033997	0.318816	0.749866	0.981636	chr3	46937569	46938191	+	0	NA	intron (N	intron (N	38621	NR_102269	151903	Hs.631918	NM_144716	ENSG00000	CCDC12	-	coiled-cc	protein-coding
chr4-1254	4.964304	0.329655	1.033997	0.318816	0.749866	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-25801	NR_031746	1E+08		NR_031746	ENSG00000	MIR2054	hsa-mir-2	microRNA	ncRNA
chr18-576	9.937206	-0.23865	0.748769	-0.31872	0.749937	0.981636	chr18	57641703	57642865	+	0	NA	intron (N	LTR12C|LT	11953	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr2-1572	9.937206	-0.23865	0.748769	-0.31872	0.749937	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSx1|SI	23532	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr11-183	9.929348	-0.23731	0.744979	-0.31855	0.750068	0.981636	chr11	18348860	18349243	+	0	NA	intron (N	AluSz6|SI	26484	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr16-502	6.623779	-0.28657	0.901151	-0.318	0.750482	0.981636	chr16	50217756	50218963	+	0	NA	intron (N	AluSx4|SI	-48192	NM_001114	113	Hs.513578	NM_001114	ENSG00000	ADCY7	AC7	adenylate	protein-coding
chr3-1968	6.623779	-0.28657	0.901151	-0.318	0.750482	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	18776	NM_152699	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr12-103	10.34181	-0.23187	0.72947	-0.31786	0.750592	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluJr|SIN	15972	NM_003211	6996	Hs.584809	NM_003211	ENSG00000	TDG	hTDG	thymine D	protein-coding
chr2-1113	10.34181	-0.23187	0.72947	-0.31786	0.750592	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MIRc|SINE	-9960	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr1-4664	10.39081	-0.23117	0.727859	-0.31761	0.750783	0.981636	chr1	46649503	46651923	+	0	NA	intron (N	L1MA5|LIN	15165	NM_001256	64756	Hs.100874	NM_022745	ENSG00000	ATPAF1	ATP11|ATF	ATP synth	protein-coding
chr1-1599	10.39081	-0.23117	0.727859	-0.31761	0.750783	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	4419	NM_001277	8407	Hs.517168	NM_003564	ENSG00000	TAGLN2	HA1756	transgeli	protein-coding
chr14-350	10.39081	-0.23117	0.727859	-0.31761	0.750783	0.981636	chr14	35028398	35029300	+	0	NA	intron (N	MIR|SINE|	-16058	NM_001079	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr16-294	10.39081	-0.23117	0.727859	-0.31761	0.750783	0.981636	chr16	29483141	29484068	+	0	NA	TTS (NM_0	TTS (NM_0	-16026	NR_002557	613038	Hs.569585	NR_002557	ENSG00000	LOC613038	-	SAGA comp	pseudo
chr6-3126	10.39081	-0.23117	0.727859	-0.31761	0.750783	0.981636	chr6	31267845	31270930	+	0	NA	intron (N	intron (N	2705	NM_002117	3107	Hs.656020	NM_002117	ENSG00000	HLA-C	D6S204|HL	major his	protein-coding
chr16-151	4.426577	0.348766	1.098371	0.31753	0.750841	0.981636	chr16	1513021	1514481	+	0	NA	intron (N	AluY|SINE	-14927	NM_001256	79652	Hs.459652	NM_024600	ENSG00000	TMEM204	C16orf30|	transmemb	protein-coding
chr10-112	9.175036	0.263609	0.830447	0.31743	0.750917	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	24024	NM_020918	57678	Hs.42586	NM_020918	ENSG00000	GPAM	GPAT|GPAT	glycerol-	protein-coding
chr12-108	9.921491	-0.23596	0.743593	-0.31733	0.750995	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	16605	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr14-609	9.921491	-0.23596	0.743593	-0.31733	0.750995	0.981636	chr14	60997679	60998913	+	0	NA	intron (N	LTR1F1|LT	-16606	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr5-1387	9.921491	-0.23596	0.743593	-0.31733	0.750995	0.981636	chr5	13870338	13870973	+	0	NA	intron (N	intron (N	73825	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1798	9.921491	-0.23596	0.743593	-0.31733	0.750995	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	23796	NM_198868	23061	Hs.155829	NM_015043	ENSG00000	TBC1D9B	GRAMD9B	TBC1 doma	protein-coding
chr1-1509	13.63878	0.203708	0.642162	0.317222	0.751075	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4612	NM_001366	9869	Hs.643565	NM_012432	ENSG00000	SETDB1	ESET|H3-K	SET domai	protein-coding
chr12-133	13.63878	0.203708	0.642162	0.317222	0.751075	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MC1|LIN	9445	NM_001300	7699	Hs.181552	NM_003440	ENSG00000	ZNF140	pHZ-39	zinc fing	protein-coding
chr16-289	4.915307	0.330301	1.04131	0.317198	0.751094	0.981636	chr16	28952634	28952991	+	0	NA	intron (N	AluSq2|SI	1815	NM_032815	84901	Hs.513470	NM_032815	ENSG00000	NFATC2IP	ESC2|NIP4	nuclear f	protein-coding
chr7-1568	4.915307	0.330301	1.04131	0.317198	0.751094	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	LTR12C|LT	20058	NM_001350	64327	Hs.209989	NM_022458	ENSG00000	LMBR1	ACHP|C7or	limb deve	protein-coding
chr4-1696	4.923165	0.327348	1.032155	0.31715	0.75113	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	38025	NM_001243	1182	Hs.481186	NM_001829	ENSG00000	CLCN3	CLC3|ClC-	chloride	protein-coding
chr5-1464	11.17525	0.23123	0.729144	0.317125	0.751149	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	33366	NM_194251	134391	Hs.483732	NM_194251	ENSG00000	GPR151	GALR4|GAL	G protein	protein-coding
chr20-317	12.06859	0.216753	0.683613	0.31707	0.75119	0.981636	chr20	31706524	31707776	+	0	NA	intron (N	intron (N	-14357	NR_131907	1.03E+08		NR_131907	ENSG00000	ABALON	INXS	apoptotic	ncRNA
chr12-673	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr12	67304697	67306164	+	0	NA	exon (NM_	exon (NM_	36072	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr14-497	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr14	49787246	49788635	+	0	NA	intron (N	intron (N	19787	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-688	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr14	68899987	68912377	+	0	NA	intron (N	L1MB3|LIN	73120	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr15-641	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr15	64153965	64162275	+	0	NA	TTS (NM_0	TTS (NM_0	5035	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr19-143	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr19	1439066	1442547	+	0	NA	TTS (NM_0	TTS (NM_0	2381	NM_001308	6209	Hs.406683	NM_001018	ENSG00000	RPS15	RIG|S15	ribosomal	protein-coding
chr2-3710	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr2	37105946	37109674	+	0	NA	intron (N	intron (N	23359	NM_001278	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch c	protein-coding
chr20-564	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr20	56458482	56459820	+	0	NA	3’ UTR (N	3’ UTR (N	-9434	NM_016407	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr5-1428	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr5	14286288	14291274	+	0	NA	intron (N	intron (N	145439	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-1774	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	8691	NR_103804	9260	Hs.533040	NM_005451	ENSG00000	PDLIM7	LMP1|LMP3	PDZ and L	protein-coding
chr6-3162	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr6	31622679	31640535	+	0	NA	exon (NM_	exon (NM_	-2180	NR_106890	1.02E+08		NR_106890	ENSG00000	MIR6832	hsa-mir-6	microRNA	ncRNA
chr9-2717	10.38295	-0.22986	0.72543	-0.31686	0.751346	0.981636	chr9	27177189	27178520	+	0	NA	intron (N	L1MA9|LIN	68713	NM_000459	7010	Hs.89640	NM_000459	ENSG00000	TEK	CD202B|GL	TEK recep	protein-coding
chr1-1808	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr1	1808163	1809961	+	0	NA	intron (N	intron (N	-29031	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-6702	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr1	67027296	67028371	+	0	NA	intron (N	AluSz6|SI	26315	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-7785	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr1	77855443	77856315	+	0	NA	intron (N	L1PB1|LIN	-32636	NM_144573	91624	Hs.612385	NM_144573	ENSG00000	NEXN	CMH20|NEL	nexilin F	protein-coding
chr1-1546	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	434	NM_001193	103	Hs.12341	NM_001111	ENSG00000	ADAR	ADAR1|AGS	adenosine	protein-coding
chr1-2255	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSx|SIN	53477	NM_001008	55740	Hs.497893	NM_018212	ENSG00000	ENAH	ENA|MENA|	ENAH acti	protein-coding
chr10-380	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr10	38018175	38020640	+	0	NA	intron (N	L1PA4|LIN	8732	NM_001278	7581	Hs.435774	NM_006954	ENSG00000	ZNF33A	KOX2|KOX3	zinc fing	protein-coding
chr10-100	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	Tigger3a|	-11224	NR_144759	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr10-112	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	5595	NM_022494	64429	Hs.196990	NM_022494	ENSG00000	ZDHHC6	DHHC-6|ZN	zinc fing	protein-coding
chr12-277	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr12	27736429	27738083	+	0	NA	intron (N	intron (N	26424	NM_021821	60488	Hs.714076	NM_021821	ENSG00000	MRPS35	HDCMD11P|	mitochond	protein-coding
chr12-476	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr12	47693228	47693729	+	0	NA	intron (N	Tigger1|D	12552	NM_024604	79657	Hs.437855	NM_024604	ENSG00000	RPAP3	Tah1|hSpa	RNA polym	protein-coding
chr12-957	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr12	95776825	95779068	+	0	NA	intron (N	L1PA5|LIN	12249	NM_001329	59277	Hs.201034	NM_021229	ENSG00000	NTN4	PRO3091	netrin 4	protein-coding
chr12-962	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr12	96268146	96269032	+	0	NA	3’ UTR (N	3’ UTR (N	13091	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-103	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	L1ME4c|LI	7871	NM_003211	6996	Hs.584809	NM_003211	ENSG00000	TDG	hTDG	thymine D	protein-coding
chr13-197	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr13	19727496	19730347	+	0	NA	intron (N	intron (N	54024	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-102	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	(ATTT)n|S	10605	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr14-675	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr14	67592468	67593576	+	0	NA	intron (N	AluSx1|SI	7246	NM_004569	5283	Hs.553497	NM_004569	ENSG00000	PIGH	GPI-H	phosphati	protein-coding
chr17-535	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr17	5350612	5351670	+	0	NA	intron (N	MER30|DNA	-68500	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr2-2638	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	26385468	26386743	+	0	NA	intron (N	L3|LINE|C	-15815	NM_145038	92749	Hs.393714	NM_145038	ENSG00000	DRC1	C2orf39|C	dynein re	protein-coding
chr2-2891	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	28917454	28919479	+	0	NA	intron (N	AluSp|SIN	4804	NR_003074	692209		NR_003074	ENSG00000	SNORD92	HBII-316	small nuc	snoRNA
chr2-6108	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	61084867	61086122	+	0	NA	intron (N	L1M5|LINE	19285	NM_001330	84542	Hs.468653	NM_032506	ENSG00000	KIAA1841	-	KIAA1841	protein-coding
chr2-1514	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4602	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1967	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	29356	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr2-2012	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	HAL1|LINE	18886	NM_033356	841	Hs.599762	NM_001228	ENSG00000	CASP8	ALPS2B|CA	caspase 8	protein-coding
chr2-2226	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	7690	NR_130154	10056	Hs.471452	NM_005687	ENSG00000	FARSB	FARSLB|FR	phenylala	protein-coding
chr20-354	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr20	35481795	35484437	+	0	NA	intron (N	AluSp|SIN	23133	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr3-3708	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr3	37088088	37088571	+	0	NA	intron (N	intron (N	86253	NM_006309	9209	Hs.740522	NM_006309	ENSG00000	LRRFIP2	HUFI-2	LRR bindi	protein-coding
chr3-5833	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr3	58339419	58339950	+	0	NA	intron (N	intron (N	6378	NM_001349	54899	Hs.190544	NM_017771	ENSG00000	PXK	MONAKA|SL	PX domain	protein-coding
chr3-1559	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	57163	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr3-1978	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	L1ME3A|LI	77256	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-3783	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr4	37830654	37831896	+	0	NA	intron (N	intron (N	4589	NM_018290	55276	Hs.23363	NM_018290	ENSG00000	PGM2	MSTP006	phosphogl	protein-coding
chr4-8480	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr4	84801037	84802994	+	0	NA	intron (N	AluSq2|SI	-163601	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr4-8745	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr4	87458090	87459138	+	0	NA	3’ UTR (N	3’ UTR (N	36017	NM_198038	53343	Hs.149500	NM_024047	ENSG00000	NUDT9	NUDT10	nudix hyd	protein-coding
chr5-7042	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr5	70427849	70430229	+	0	NA	intron (N	MER44B|DN	13665	NM_001515	2966	Hs.191356	NM_001515	ENSG00000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr5-9892	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr5	98920464	98922621	+	0	NA	intron (N	intron (N	4992	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PII	chromodom	protein-coding
chr5-1394	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	4103	NM_198282	340061	Hs.379754	NM_198282	ENSG00000	TMEM173	ERIS|MITA	transmemb	protein-coding
chr5-1771	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSz|SIN	31129	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr5-1812	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6805	NR_002592	619571		NR_002592	ENSG00000	SNORD96A	U96A	small nuc	snoRNA
chr6-5694	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr6	56940861	56943023	+	0	NA	intron (N	L1MEf|LIN	12888	NM_001144	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-1086	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	Intergeni	(CA)n|Sim	-65539	NR_033376	387111	Hs.520310	NR_033376	ENSG00000	LINC00222	C6orf181|	long inte	ncRNA
chr6-1175	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	35071	NM_001017	57120	Hs.191539	NM_020399	ENSG00000	GOPC	CAL|FIG|G	golgi ass	protein-coding
chr7-9265	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr7	92659085	92661811	+	0	NA	intron (N	intron (N	-70058	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-9668	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr7	96687305	96689031	+	0	NA	TTS (NM_0	TTS (NM_0	21678	NR_163953								
chr8-1794	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr8	17941580	17942657	+	0	NA	intron (N	intron (N	19130	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr8-1937	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr8	19374715	19380822	+	0	NA	intron (N	L1ME3Cz|L	63792	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-1407	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L1MB7|LIN	-28079	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-7728	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chr9	77287244	77288502	+	0	NA	intron (N	L1ME1|LIN	-109956	NR_026668	1E+08	Hs.662256	NR_026668	ENSG00000	VPS13A-AS	-	VPS13A an	ncRNA
chrX-2728	6.187746	-0.29333	0.925788	-0.31685	0.751361	0.981636	chrX	2728564	2729237	+	0	NA	intron (N	AluSx|SIN	-23152	NM_001141	7499	Hs.179675	NM_175569	ENSG00000	XG	PBDX	Xg glycop	protein-coding
chr19-956	15.15212	0.194381	0.614013	0.316574	0.751567	0.981636	chr19	9560567	9569611	+	0	NA	3’ UTR (N	3’ UTR (N	19415	NM_001308	7675	Hs.501537	NM_001008	ENSG00000	ZNF121	D19S204|Z	zinc fing	protein-coding
chr6-3297	14.58	-0.19705	0.622763	-0.31641	0.751692	0.981636	chr6	32972669	32982224	+	0	NA	exon (NM_	exon (NM_	4362	NM_001199	6046	Hs.75243	NM_005104	ENSG00000	BRD2	BRD2-IT1|	bromodoma	protein-coding
chr6-3659	14.58	-0.19705	0.622763	-0.31641	0.751692	0.981636	chr6	36595103	36607542	+	0	NA	intron (N	intron (N	6960	NM_003017	6428	Hs.405144	NM_003017	ENSG00000	SRSF3	SFRS3|SRp	serine ar	protein-coding
chr11-103	6.664919	-0.28335	0.897202	-0.31582	0.75214	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	49841	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr7-1056	6.664919	-0.28335	0.897202	-0.31582	0.75214	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-42296	NM_001355	1E+08	Hs.719432	NM_001355	ENSG00000	EFCAB10	-	EF-hand c	protein-coding
chr8-4838	6.664919	-0.28335	0.897202	-0.31582	0.75214	0.981636	chr8	48384464	48384962	+	0	NA	Intergeni	Intergeni	-166854	NR_105002	1.02E+08	Hs.683934	NR_105002	ENSG00000	LOC101929	-	uncharact	ncRNA
chr1-9283	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr1	92833022	92844307	+	0	NA	intron (N	intron (N	1375	NR_000006	6083		NR_000006	ENSG00000	SNORD21	RNU21|U21	small nuc	snoRNA
chr10-689	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr10	68959880	68968492	+	0	NA	intron (N	intron (N	7746	NM_001256	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDE	DExD-box	protein-coding
chr12-632	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr12	6326515	6335275	+	0	NA	exon (NM_	exon (NM_	11181	NM_001346	7132	Hs.279594	NM_001065	ENSG00000	TNFRSF1A	CD120a|FF	TNF recep	protein-coding
chr13-480	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr13	48067985	48075563	+	0	NA	Intergeni	MER61-int	-5363	NR_046511	1.01E+08	Hs.616241	NR_046511	ENSG00000	MED4-AS1	MED4-AS	MED4 anti	ncRNA
chr15-788	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr15	78881180	78905176	+	0	NA	intron (N	intron (N	20189	NM_001265	10933	Hs.374503	NM_006791	ENSG00000	MORF4L1	Eaf3|FWPC	mortality	protein-coding
chr16-214	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr16	21463475	21464573	+	0	NA	intron (N	intron (N	-29569	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-580	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr17	58002633	58006516	+	0	NA	3’ UTR (N	3’ UTR (N	2672	NM_001078	6426	Hs.68714	NM_006924	ENSG00000	SRSF1	ASF|SF2|S	serine ar	protein-coding
chr2-1750	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	intron (N	-72265	NR_038133	1123	Hs.380138	NM_001822	ENSG00000	CHN1	ARHGAP2|C	chimerin	protein-coding
chr2-1874	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-46083	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr2-2003	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	L2a|LINE|	81654	NM_001282	26010	Hs.120323	NM_015535	ENSG00000	SPATS2L	DNAPTP6|S	spermatog	protein-coding
chr3-5757	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr3	57570636	57584293	+	0	NA	intron (N	intron (N	19880	NM_001660	378	Hs.652183	NM_001660	ENSG00000	ARF4	ARF2	ADP ribos	protein-coding
chr3-1249	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	50630	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr4-5404	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr4	54045906	54049181	+	0	NA	intron (N	L1PA4|LIN	17062	NM_012110	26511	Hs.335393	NM_012110	ENSG00000	CHIC2	BTL	cysteine	protein-coding
chr5-5594	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr5	55944936	55961979	+	0	NA	intron (N	AluSp|SIN	41506	NM_175767	3572	Hs.532082	NM_002184	ENSG00000	IL6ST	CD130|CDW	interleuk	protein-coding
chr7-7635	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr7	76354686	76356973	+	0	NA	intron (N	intron (N	3162	NM_012479	7532	Hs.744840	NM_012479	ENSG00000	YWHAG	14-3-3GAM	tyrosine	protein-coding
chr7-1033	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	MER20|DNA	7783	NM_002803	5701	Hs.437366	NM_002803	ENSG00000	PSMC2	MSS1|Nbla	proteasom	protein-coding
chr8-1177	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	115185	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr9-3302	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr9	33028360	33038910	+	0	NA	intron (N	AluJb|SIN	8362	NM_001539	3301	Hs.445203	NM_001539	ENSG00000	DNAJA1	DJ-2|DjA1	DnaJ heat	protein-coding
chr9-1359	10.37509	-0.22856	0.725225	-0.31516	0.752641	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	Intergeni	AluSz|SIN	-6740	NM_015447	157922	Hs.522493	NM_015447	ENSG00000	CAMSAP1	-	calmoduli	protein-coding
chr12-359	15.73098	0.19472	0.617926	0.315119	0.752671	0.981636	chr12	35998372	35999077	+	0	NA	Intergeni	ALR/Alpha	1976228	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr1-3209	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr1	32096566	32098486	+	0	NA	intron (N	AluSx3|SI	-10530	NM_012316	23633	Hs.470588	NM_012316	ENSG00000	KPNA6	IPOA7|KPN	karyopher	protein-coding
chr1-1125	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSp|SIN	40390	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr11-349	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr11	34965771	34967148	+	0	NA	intron (N	intron (N	24622	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-113	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr11	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA13|LI	-31722	NM_178510	255239	Hs.448473	NM_178510	ENSG00000	ANKK1	PKK2|sgK2	ankyrin r	protein-coding
chr11-120	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-55647	NM_014619	2900	Hs.538738	NM_014619	ENSG00000	GRIK4	EAA1|GRIK	glutamate	protein-coding
chr14-306	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr14	30699948	30700403	+	0	NA	intron (N	intron (N	77856	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-582	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr14	58283926	58285481	+	0	NA	intron (N	intron (N	-3330	NR_146595	55451		NR_146595	ENSG00000	LINC00216	C14orf107	long inte	ncRNA

chr14-754	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr14	75445770	75446512	+	0	NA	intron (N	L1MB8|LIN	14007	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr14-101	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	162	NR_029873	494330		NR_029873	ENSG00000	MIR381	MIRN381|h	microRNA	ncRNA
chr22-376	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr22	37690189	37691753	+	0	NA	intron (N	intron (N	4628	NM_024313	79159	Hs.632778	NM_024313	ENSG00000	NOL12	Nop25|dJ3	nucleolar	protein-coding
chr3-7577	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr3	75771234	75772643	+	0	NA	intron (N	MER52A|LT	13064	NM_001324	1E+08	Hs.556877	NM_001128	ENSG00000	ZNF717	OB1|X17|Z	zinc fing	protein-coding
chr4-5542	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr4	55429640	55431449	+	0	NA	3’ UTR (N	3’ UTR (N	34587	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr5-3745	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr5	37452706	37453629	+	0	NA	intron (N	MER9a2|LT	73849	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr5-1709	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	L1P2|LINE	39310	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr8-1407	6.657061	-0.28133	0.892821	-0.3151	0.752686	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-45507	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr10-110	9.913633	-0.23459	0.74458	-0.31506	0.752718	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	10861	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr12-722	9.913633	-0.23459	0.74458	-0.31506	0.752718	0.981636	chr12	72286721	72287435	+	0	NA	intron (N	intron (N	-13569	NR_026836	283392	Hs.363603	NM_001025	ENSG00000	TRHDE-AS1	-	TRHDE ant	ncRNA
chr2-3928	9.913633	-0.23459	0.74458	-0.31506	0.752718	0.981636	chr2	39287691	39289163	+	0	NA	intron (N	intron (N	-44444	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr10-751	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr10	75176559	75178226	+	0	NA	3’ UTR (N	3’ UTR (N	-32762	NM_003375	7417	Hs.355927	NM_003375	ENSG00000	VDAC2	POR	voltage c	protein-coding
chr12-316	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr12	31682749	31683729	+	0	NA	intron (N	AluSz|SIN	23551	NM_001135	254013	Hs.740628	NM_173802	ENSG00000	ETFBKMT	C12orf72|	electron	protein-coding
chr14-547	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr14	54782104	54783303	+	0	NA	intron (N	intron (N	27870	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr14-572	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr14	57213878	57215419	+	0	NA	intron (N	L2|LINE|L	54257	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PR	exocyst c	protein-coding
chr15-988	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr15	98828315	98828993	+	0	NA	intron (N	intron (N	44228	NR_039864	1.01E+08		NR_039864	ENSG00000	MIR4714	-	microRNA	ncRNA
chr16-463	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr16	463008	463878	+	0	NA	intron (N	AluSp|SIN	-11481	NM_001142	9727	Hs.531642	NM_014700	ENSG00000	RAB11FIP3	CART1|FIF	RAB11 fam	protein-coding
chr17-364	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr17	36492202	36492968	+	0	NA	intron (N	intron (N	5904	NM_001281	9326	Hs.2210	NM_004773	ENSG00000	ZNHIT3	PEHO|TRIP	zinc fing	protein-coding
chr7-2256	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr7	2256828	2257556	+	0	NA	TTS (NR_1	TTS (NR_1	385	NR_106895	1.02E+08		NR_106895	ENSG00000	MIR6836	hsa-mir-6	microRNA	ncRNA
chr8-3069	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr8	30693811	30694480	+	0	NA	intron (N	Tigger19a	33701	NM_000637	2936	Hs.271510	NM_000637	ENSG00000	GSR	GR|HEL-75	glutathic	protein-coding
chr9-1340	5.46875	0.309163	0.98145	0.315006	0.752757	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-10283	NR_135126	1E+08	Hs.671096	NR_135126	ENSG00000	LOC100130	-	uncharact	ncRNA
chr2-1209	5.72629	-0.30918	0.98163	-0.31497	0.752785	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	AluJo|SIN	186758	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr6-8892	5.72629	-0.30918	0.98163	-0.31497	0.752785	0.981636	chr6	88922925	88923523	+	0	NA	intron (N	L1MC5a|LI	40394	NM_001286	8732	Hs.567378	NM_003800	ENSG00000	RNGTT	CAP1A|HCE	RNA guany	protein-coding
chr1-2200	10.02723	0.24214	0.768843	0.31494	0.752807	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	17118	NM_006085	10380	Hs.406134	NM_006085	ENSG00000	BPNT1	HEL20|PIP	3’(2’), 5	protein-coding
chr1-1561	14.65553	0.196229	0.623163	0.314893	0.752843	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	8928	NM_001257	4000	Hs.594444	NM_005572	ENSG00000	LMNA	CDCD1|CDD	lamin A/C	protein-coding
chr19-500	14.15108	0.199295	0.633391	0.314648	0.753029	0.981636	chr19	50042316	50046922	+	0	NA	intron (N	intron (N	-5970	NR_027257	400710	Hs.628968	NR_027257	ENSG00000	LOC400710	-	uncharact	ncRNA
chr16-581	6.615921	-0.28463	0.905356	-0.31439	0.753225	0.981636	chr16	58195933	58196525	+	0	NA	intron (N	intron (N	1877	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr5-1549	6.615921	-0.28463	0.905356	-0.31439	0.753225	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	30437	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr19-444	7.983677	-0.2799	0.89056	-0.3143	0.753296	0.981636	chr19	44438255	44438483	+	0	NA	intron (N	L1ME3G|LI	10103	NR_103551	7772	Hs.709348	NM_014518	ENSG00000	ZNF229	-	zinc fing	protein-coding
chr20-586	4.931023	0.324336	1.032092	0.314251	0.75333	0.981636	chr20	58697757	58699585	+	0	NA	intron (N	intron (N	5871	NM_024663	79716	Hs.654868	NM_024663	ENSG00000	NPEPL1	bA261P9.2	aminopept	protein-coding
chr4-8688	4.931023	0.324336	1.032092	0.314251	0.75333	0.981636	chr4	86886147	86887160	+	0	NA	TTS (NM_C	TTS (NM_C	5769	NM_001369	132989	Hs.339646	NM_144645	ENSG00000	C4orf36	-	chromosom	protein-coding
chr5-5725	10.33395	-0.23057	0.733779	-0.31423	0.753349	0.981636	chr5	57250342	57251469	+	0	NA	intron (N	intron (N	36831	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr1-1657	12.0843	0.214266	0.681883	0.314227	0.753349	0.981636	chr1	16573298	16575029	+	0	NA	intron (N	intron (N	25249	NR_037446	1.01E+08		NR_037446	ENSG00000	MIR3675	-	microRNA	ncRNA
chr4-1222	10.85226	-0.22569	0.718374	-0.31417	0.753392	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	96544	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|K	KIAA1109	protein-coding
chr5-1501	10.85226	-0.22569	0.718374	-0.31417	0.753392	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-15670	NM_005211	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr1-2241	5.95748	0.297144	0.946417	0.313967	0.753546	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	non-codir	non-codir	-23847	NM_001321	8560	Hs.299878	NM_003676	ENSG00000	DEGS1	DEGS|DEGS	delta 4-c	protein-coding
chr15-908	5.95748	0.297144	0.946417	0.313967	0.753546	0.981636	chr15	90879067	90880461	+	0	NA	exon (NM_	exon (NM_	-4740	NM_001143	2242	Hs.7636	NM_002005	ENSG00000	FES	FPS	FES protc	protein-coding
chr17-354	5.95748	0.297144	0.946417	0.313967	0.753546	0.981636	chr17	35418452	35419168	+	0	NA	intron (N	L1MEg|LIN	13690	NM_018042	55106	Hs.663548	NM_018042	ENSG00000	SLFN12	SLFN3	schlafen	protein-coding
chr6-1323	5.95748	0.297144	0.946417	0.313967	0.753546	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	L1M2|LINE	5404	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr7-1284	10.8444	-0.22438	0.715007	-0.31382	0.753661	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	2821	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr20-369	6.146607	-0.29666	0.945442	-0.31378	0.753688	0.981636	chr20	36910219	36910862	+	0	NA	intron (N	AluSx|SIN	34402	NM_080628	140711	Hs.472630	NM_080628	ENSG00000	TLDC2	C20orf118	TBC/LysM-	protein-coding
chr4-1432	6.146607	-0.29666	0.945442	-0.31378	0.753688	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	29836	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitir	protein-coding
chr6-4359	6.146607	-0.29666	0.945442	-0.31378	0.753688	0.981636	chr6	43594875	43595544	+	0	NA	intron (N	AluSx3|SI	19024	NM_001291	5429	Hs.655467	NM_006502	ENSG00000	POLH	RAD30|RAD	DNA polym	protein-coding
chr8-1334	6.146607	-0.29666	0.945442	-0.31378	0.753688	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	73132	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr10-598	8.637308	0.268828	0.857086	0.313654	0.753784	0.981636	chr10	59811680	59811895	+	0	NA	intron (N	MER8|DNA|	-58332	NM_001304	1.01E+08	Hs.648790	NM_001304	ENSG00000	MRLN	LINC00948	myoreguli	protein-coding
chr1-2302	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	175426	NM_001258	79605	Hs.520463	NM_024554	ENSG00000	PGBD5	-	piggyBac	protein-coding
chr12-132	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20248	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|F1	DNA polym	protein-coding
chr16-163	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr16	16344610	16345445	+	0	NA	intron (N	AluSx|SIN	9097	NM_006985	9284	Hs.676266	NM_006985	ENSG00000	NPIPA1	NPIP|NPIP	nuclear p	protein-coding
chr22-243	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr22	24379891	24380952	+	0	NA	intron (N	intron (N	38313	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr4-3510	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr4	3510857	3512422	+	0	NA	non-codir	non-codir	20510	NR_110005	4043	Hs.40966	NM_002337	ENSG00000	LRPAP1	A2MRAP|A2	LDL recep	protein-coding
chr6-8553	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr6	85532347	85533422	+	0	NA	intron (N	intron (N	60974	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting r	protein-coding
chr8-4227	5.965338	0.294584	0.939737	0.313475	0.75392	0.981636	chr8	42279258	42280174	+	0	NA	intron (N	MIRb|SINE	8414	NR_033818	3551	Hs.597664	NM_001556	ENSG00000	IKBKB	IKK-beta|	inhibitor	protein-coding
chr11-281	9.344473	-0.25046	0.79967	-0.31321	0.754125	0.981636	chr11	28135951	28136342	+	0	NA	intron (N	LTR25-int	27758	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr7-1055	5.68515	-0.31271	0.998888	-0.31306	0.754239	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	1446	NM_021930	60561	Hs.531388	NM_021930	ENSG00000	RINT1	RINT-1	RAD50 int	protein-coding
chr1-1107	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr1	11077576	11080366	+	0	NA	intron (N	intron (N	-18953	NM_003132	6723	Hs.76244	NM_003132	ENSG00000	SRM	PAPT|SPDS	spermidir	protein-coding
chr1-1182	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr1	11823731	11825128	+	0	NA	intron (N	intron (N	-15890	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr10-157	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr10	15781508	15782037	+	0	NA	intron (N	intron (N	-61437	NM_001291	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr11-102	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1ME3B|LI	24234	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr12-248	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr12	24874275	24876021	+	0	NA	intron (N	intron (N	27074	NM_001178	586	Hs.438993	NM_005504	ENSG00000	BCAT1	BCATC|BCT	branched	protein-coding
chr12-295	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr12	29506379	29514683	+	0	NA	intron (N	intron (N	-10838	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr12-100	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	1141	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamir	protein-coding
chr12-116	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	37598	NR_103809	1.01E+08	Hs.657861	NR_103809	ENSG00000	LOC100506	-	uncharact	ncRNA
chr12-122	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-20154	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A cc	protein-coding
chr13-497	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr13	49729464	49731411	+	0	NA	intron (N	AluSx|SIN	-38950	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr16-206	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr16	2060056	2060993	+	0	NA	intron (N	intron (N	12322	NM_001318	7249	Hs.90303	NM_000548	ENSG00000	TSC2	LAM|PPP1R	TSC compl	protein-coding
chr16-719	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr16	71929813	71930360	+	0	NA	exon (NM_	exon (NM_	34555	NM_001270	9798	Hs.232194	NM_014761	ENSG00000	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr16-886	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr16	88602390	88603045	+	0	NA	intron (N	FLAM_C|SI	32314	NM_144604	124245	Hs.93670	NM_144604	ENSG00000	ZC3H18	NHN1	zinc fing	protein-coding
chr17-172	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr17	17272879	17273744	+	0	NA	intron (N	MER3|DNA|	7387	NM_001199	8533	Hs.6076	NM_003653	ENSG00000	COPS3	CSN3|SGN3	COP9 sigr	protein-coding
chr17-512	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr17	51293482	51294870	+	0	NA	intron (N	intron (N	33630	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WD	UTP18 sma	protein-coding
chr17-602	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr17	60234108	60236089	+	0	NA	intron (N	intron (N	-3453	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr2-1620	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	6003	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1918	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr2	1.92E+08	1.92E+08	+	0	NA	intron (N	MIRb|SINE	3252	NM_004657	8436	Hs.26530	NM_004657	ENSG00000	CAVIN2	PS-p68|SD	caveolae	protein-coding
chr2-2298	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-88023	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr21-335	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr21	33515110	33517452	+	0	NA	intron (N	intron (N	-24558	NM_001320	54943	Hs.458308	NM_017833	ENSG00000	DNAJC28	C21orf55|	DnaJ heat	protein-coding
chr22-304	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr22	30411326	30411979	+	0	NA	intron (N	AluSz|SIN	-14116	NM_016498	51537	Hs.713636	NM_016498	ENSG00000	MTFP1	HSPC242|M	mitochonc	protein-coding
chr22-457	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr22	45743853	45744207	+	0	NA	intron (N	intron (N	-16494	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-3065	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr3	30650659	30654444	+	0	NA	intron (N	intron (N	45950	NM_003242	7048	Hs.82028	NM_003242	ENSG00000	TGFBR2	AAT3|FAA3	transform	protein-coding
chr3-1612	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	6983	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribc	protein-coding
chr4-5699	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr4	56990618	56995922	+	0	NA	intron (N	AluSz|SIN	14374	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RP	RNA polym	protein-coding
chr5-7897	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr5	7897582	7899307	+	0	NA	intron (N	intron (N	29296	NR_134482	4552	Hs.481551	NM_002454	ENSG00000	MTRR	MSR|cblE	5-methylt	protein-coding
chr5-4312	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr5	43128241	43133562	+	0	NA	intron (N	AluSx1|SI	9336	NM_001330	7690	Hs.535804	NM_003432	ENSG00000	ZNF131	ZBTB35|pH	zinc fing	protein-coding
chr5-9354	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr5	93542834	93544845	+	0	NA	non-codir	non-codir	27504	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1295	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1ME1|LIN	-107006	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr6-1224	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr6	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	27515	NM_020755	57515	Hs.146668	NM_020755	ENSG00000	SERINC1	TDE1L|TDE	serine ir	protein-coding
chr7-6589	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr7	65890009	65890490	+	0	NA	intron (N	AluY|SINE	17175	NM_001284	154807	Hs.427232	NM_173517	ENSG00000	VKORC1L1	-	vitamin K	protein-coding
chr8-3880	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr8	38808623	38809188	+	0	NA	intron (N	intron (N	3455	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr8-4294	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr8	42943651	42945597	+	0	NA	intron (N	AluSg4|SI	47646	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr9-3749	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr9	37496782	37499804	+	0	NA	intron (N	intron (N	12345	NM_022490	64425	Hs.591087	NM_022490	ENSG00000	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr9-1069	6.649203	-0.27935	0.89271	-0.31293	0.754336	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	109668	NM_021224	58499	Hs.370379	NM_021224	ENSG00000	ZNF462	ZFPIP|Zfp	zinc fing	protein-coding
chr12-122	10.83655	-0.22311	0.713752	-0.31258	0.754598	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-57241	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A cc	protein-coding
chr16-865	14.62225	0.194222	0.621408	0.312551	0.754622	0.981636	chr16	86511242	86518562	+	0	NA	3’ UTR (N	3’ UTR (N	4375	NM_001451	2294	Hs.155591	NM_001451	ENSG00000	FOXF1	ACDMPV|FK	forkhead	protein-coding
chr19-530	14.62225	0.194222	0.621408	0.312551	0.754622	0.981636	chr19	53066236	53075693	+	0	NA	intron (N	AluSg|SIN	16073	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr1-7791	10.36723	-0.22726	0.727244	-0.31249	0.75467	0.981636	chr1	77916269	77920503	+	0	NA	intron (N	intron (N	-28847	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr1-1852	10.36723	-0.22726	0.727244	-0.31249	0.75467	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	17300	NM_006469	10625	Hs.497183	NM_006469	ENSG00000	IVNS1ABP	ARA3|FLAF	influenza	protein-coding
chr3-5842	10.36723	-0.22726	0.727244	-0.31249	0.75467	0.981636	chr3	58420933	58421223	+	0	NA	intron (N	intron (N	12754	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr7-7355	10.36723	-0.22726	0.727244	-0.31249	0.75467	0.981636	chr7	73550627	73552056	+	0	NA	intron (N	AluSx1|SI	5895	NR_036682	9275	Hs.647051	NM_001707	ENSG00000	BCL7B	-	BAF chrom	protein-coding
chr17-443	5.949622	0.29986	0.960259	0.31227	0.754835	0.981636	chr17	44352278	44353364	+	0	NA	TTS (NM_1	TTS (NM_1	7735	NM_002087	2896	Hs.514220	NM_002087	ENSG00000	GRN	CLN11|GEP	granulin	protein-coding
chr5-1772	5.949622	0.29986	0.960259	0.31227	0.754835	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	17482	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr1-8895	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr1	88954616	88955065	+	0	NA	intron (N	AluJr|SIN	37789	NM_001162	494115	Hs.481898	NM_019610	ENSG00000	RBMXL1	RBM1	RBMX like	protein-coding
chr1-1502	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	2890	NM_001301	79630	Hs.91283	NM_024579	ENSG00000	C1orf54	-	chromosom	protein-coding
chr1-2073	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	9856	NR_125349	1604	Hs.126517	NM_000574	ENSG00000	CD55	CHAPLE|CR	CD55 mole	protein-coding
chr10-103	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	29507	NM_001011	84108	Hs.335808	NM_032154	ENSG00000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr10-119	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	23879	NM_007190	11196	Hs.435004	NM_007190	ENSG00000	SEC23IP	MSTP053|P	SEC23 int	protein-coding
chr11-108	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	LTR86A1|L	7800	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serir	protein-coding
chr12-684	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr12	6849414	6849903	+	0	NA	exon (NM_	exon (NM_	2272	NM_001331	83461	Hs.524216	NM_031299	ENSG00000	CDCA3	GRCC8|TOM	cell divi	protein-coding
chr12-118	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	12440	NM_018639	55884	Hs.506985	NM_018639	ENSG00000	WSB2	SBA2	WD repeat	protein-coding
chr14-995	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr14	99512511	99513640	+	0	NA	TTS (NM_C	TTS (NM_C	31666	NM_001099	8812	Hs.510409	NM_003858	ENSG00000	CCNK	CPR4|IDDF	cyclin K	protein-coding
chr2-8617	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr2	86172450	86174213	+	0	NA	intron (N	AluSp|SIN	19777	NR_039939	1.01E+08		NR_039939	ENSG00000	MIR4779	-	microRNA	ncRNA
chr2-2185	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	20691	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitir	protein-coding
chr20-185	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr20	18560800	18561802	+	0	NA	3’ UTR (N	3’ UTR (N	-6119	NM_001348	388789	Hs.349092	NM_001348	ENSG00000	SMIM26	LINC00493	small int	protein-coding
chr5-3237	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr5	32379268	32380292	+	0	NA	intron (N	intron (N	14695	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-1414	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_C	TTS (NM_C	2550	NM_032407	56097	Hs.368160	NM_018929	ENSG00000	PCDHGC5	PCDH-GAMM	protocadh	protein-coding
chr5-1771	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	62260	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-1445	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr6	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	118448	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr6-1473	6.179888	-0.29112	0.933076	-0.312	0.755044	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-107511	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr1-3541	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr1	35410530	35411638	+	0	NA	intron (N	L1MB5|LIN	-45007	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr10-122	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr10	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-40471	NM_144587	118663	Hs.422466	NM_144587	ENSG00000	BTBD16	C10orf87	BTB domai	protein-coding
chr16-124	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr16	124098	125077	+	0	NA	intron (N	intron (N	14086	NM_001077	8131	Hs.19699	NM_012075	ENSG00000	NPRL3	C16orf35|	NPR3 like	protein-coding
chr16-474	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr16	47426935	47427638	+	0	NA	intron (N	L1MC5a|LI	33777	NM_030790	81533	Hs.42217	NM_030790	ENSG00000	ITFG1	2310047C2	integrin	protein-coding
chr17-321	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr17	32197854	32198613	+	0	NA	intron (N	intron (N	-46662	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr4-1181	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr4	1181613	1181986	+	0	NA	intron (N	L1MB3|LIN	-8588	NM_001128	10417	Hs.302963	NM_012445	ENSG00000	SPON2	DIL-1|DIL	spondin 2	protein-coding
chr5-1726	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr5	17262807	17264971	+	0	NA	intron (N	intron (N	46258	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr8-1279	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRc|SINE	8348	NR_103558	641384	Hs.629674	NM_001037	ENSG00000	TMEM75	-	transmemb	ncRNA

chr9-1275	5.427611	0.306975	0.984384	0.311844	0.755159	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	25141	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr12-121	9.905775	-0.23317	0.747974	-0.31173	0.755245	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	18971	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr3-1137	9.905775	-0.23317	0.747974	-0.31173	0.755245	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	3' UTR (N	3' UTR (N	-24323	NR_111981	205717	Hs.632570	NM_001009	ENSG00000	USF3	KIAA2018	upstream	protein-coding
chr5-9688	3.443478	-0.3839	1.231589	-0.31171	0.755263	0.981636	chr5	96885042	96885768	+	0	NA	intron (N	intron (N	9466	NR_137637	64167	Hs.482910	NM_022350	ENSG00000	ERAP2	L-RAP|LRA	endoplasm	protein-coding
chr14-391	6.503066	0.28442	0.913663	0.311296	0.755575	0.981636	chr14	39131849	39132657	+	0	NA	intron (N	AluSx1|SI	17969	NM_003616	8487	Hs.652307	NM_003616	ENSG00000	GEMIN2	SIP1|SIP1	gem nucle	protein-coding
chr15-929	13.65708	-0.20313	0.652558	-0.31129	0.755583	0.981636	chr15	92901198	92901434	+	0	NA	intron (N	intron (N	992	NM_001271	1106	Hs.220864	NM_001271	ENSG00000	CHD2	EEOC	chromodom	protein-coding
chr11-977	10.41623	-0.22656	0.728488	-0.31101	0.755796	0.981636	chr11	9779847	9782080	+	0	NA	intron (N	intron (N	-21430	NR_033972	440028	Hs.677541	NR_033972	ENSG00000	LINC02709	-	long inte	ncRNA
chr13-114	10.41623	-0.22656	0.728488	-0.31101	0.755796	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	promoter-	promoter-	-785	NR_039724	1.01E+08		NR_039724	ENSG00000	MIR4502	-	microRNA	ncRNA
chr1-1553	5.419753	0.309706	0.996342	0.310843	0.75592	0.981636	chr1	15534319	15535366	+	0	NA	intron (N	intron (N	-7324	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Caj	ncRNA
chr10-871	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr10	87108276	87109198	+	0	NA	intron (N	intron (N	13531	NM_019054	54537	Hs.500419	NM_019054	ENSG00000	SHLD2	FAM35A|FA	shieldin	protein-coding
chr15-641	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr15	64184544	64185590	+	0	NA	intron (N	intron (N	-21912	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr16-735	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr16	735284	737654	+	0	NA	intron (N	intron (N	4528	NM_022493	64428	Hs.513247	NM_022493	ENSG00000	CIAO3	HPRN|IOP1	cytosolic	protein-coding
chr2-2804	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr2	280452	280947	+	0	NA	intron (N	intron (N	7392	NM_001002	285016	Hs.355207	NM_001002	ENSG00000	ALKAL2	AUGA|FAM1	ALK and L	protein-coding
chr20-344	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr20	34423760	34424197	+	0	NA	intron (N	intron (N	-42347	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr3-1255	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	27798	NM_022776	114885	Hs.477440	NM_022776	ENSG00000	OSBPL11	ORP-11|OR	oxysterol	protein-coding
chr4-1027	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	9747	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr4-1095	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	30231	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr6-3168	5.973196	0.292108	0.939786	0.310824	0.755935	0.981636	chr6	31686281	31687351	+	0	NA	TTS (NM_0	TTS (NM_0	-6443	NM_025262	80741	Hs.25738	NM_025262	ENSG00000	LY6G5C	C6orf20|C	lymphocyt	protein-coding
chr15-735	10.82869	-0.22186	0.714587	-0.31047	0.756202	0.981636	chr15	73559647	73559896	+	0	NA	TTS (NM_0	TTS (NM_0	9772	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr3-4444	14.63011	0.193187	0.622452	0.310364	0.756284	0.981636	chr3	44446869	44451979	+	0	NA	intron (N	intron (N	21502	NR_144436	1.01E+08	Hs.180744	NR_144436	ENSG00000	LINC01988	-	long inte	ncRNA
chr1-1890	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr1	18907678	18908285	+	0	NA	3' UTR (N	3' UTR (N	-5182	NM_001319	8659	Hs.77448	NM_003748	ENSG00000	ALDH4A1	ALDH4|P5C	aldehyde	protein-coding
chr1-3634	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr1	36345522	36346217	+	0	NA	intron (N	intron (N	-21715	NM_018166	55194	Hs.87016	NM_018166	ENSG00000	EVA1B	C1orf78|F	eva-1 hom	protein-coding
chr1-1469	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	(TTCC)n|S	6377	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr1-2344	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	intron (N	13310	NM_005646	6894	Hs.498115	NM_005646	ENSG00000	TARBP1	TRM3|TRMT	TAR (HIV-	protein-coding
chr12-123	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-1259	NR_036187	1E+08		NR_036187	ENSG00000	MIR4304	-	microRNA	ncRNA
chr14-527	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr14	52747053	52747762	+	0	NA	intron (N	intron (N	17241	NM_145251	6815	Hs.364980	NM_145251	ENSG00000	STYX	-	serine/th	protein-coding
chr15-434	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr15	43433844	43436995	+	0	NA	intron (N	intron (N	57737	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr16-700	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr16	70006208	70006794	+	0	NA	intron (N	MER1B|DNA	-23845	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr18-318	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr18	31874723	31875532	+	0	NA	intron (N	intron (N	68001	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr18-489	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr18	48940994	48942311	+	0	NA	intron (N	intron (N	1155	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr2-9320	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr2	93209564	93210740	+	0	NA	Intergeni	ALR/Alpha	998267	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr3-5246	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr3	52467822	52469160	+	0	NA	intron (N	intron (N	12887	NM_007184	11188	Hs.435290	NM_007184	ENSG00000	NISCH	I-1|IR1|I	nischarin	protein-coding
chr5-3120	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chr5	31206414	31207870	+	0	NA	intron (N	intron (N	13456	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chrX-1069	5.435469	0.304277	0.980619	0.310291	0.75634	0.981636	chrX	1.07E+08	1.07E+08	+	0	NA	exon (NM_	exon (NM_	21766	NM_020384	9075	Hs.522746	NM_020384	ENSG00000	CLDN2	-	claudin 2	protein-coding
chr17-188	10.40837	-0.22527	0.726058	-0.31027	0.756358	0.981636	chr17	18801185	18806815	+	0	NA	intron (N	intron (N	14965	NM_001316	51030	Hs.87295	NM_016078	ENSG00000	TVP23B	CGI-148|F	trans-gol	protein-coding
chr18-361	10.40837	-0.22527	0.726058	-0.31027	0.756358	0.981636	chr18	36174573	36175617	+	0	NA	non-codin	non-codin	12340	NR_134605	1.02E+08	Hs.600673	NR_134605	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-9545	10.40837	-0.22527	0.726058	-0.31027	0.756358	0.981636	chr9	95453070	95453561	+	0	NA	intron (N	AluSg7|SI	-10294	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr5-3130	9.96263	-0.23369	0.754067	-0.30991	0.756633	0.981636	chr5	31306101	31306538	+	0	NA	intron (N	intron (N	112633	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr1-2849	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr1	28491418	28492854	+	0	NA	intron (N	intron (N	-13807	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr1-3883	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr1	38839708	38840358	+	0	NA	intron (N	AluY|SINE	19739	NM_001271	64121	Hs.532461	NM_022157	ENSG00000	RRAGC	GTR2|RAGC	Ras relat	protein-coding
chr1-6663	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr1	66631448	66633573	+	0	NA	intron (N	FAM|SINE|	4070	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr11-685	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr11	68527812	68528153	+	0	NA	intron (N	intron (N	67230	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-307	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr12	30737446	30738160	+	0	NA	intron (N	AluY|SINE	16711	NM_001319	65981	Hs.234355	NM_023925	ENSG00000	CAPRIN2	C1QDC1|EE	caprin fa	protein-coding
chr12-102	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	2548	NM_016053	51019	Hs.405692	NM_016053	ENSG00000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr12-112	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-106543	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr12-124	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-18061	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr17-476	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr17	47607033	47607885	+	0	NA	intron (N	L2a|LINE|	-42460	NM_002265	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr19-158	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr19	1583407	1584755	+	0	NA	intron (N	AluSx|SIN	8784	NM_001281	53615	Hs.178728	NM_003926	ENSG00000	MBD3	-	methyl-Cp	protein-coding
chr2-3731	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr2	37315765	37316062	+	0	NA	intron (N	AluSx1|SI	1171	NM_005813	23683	Hs.660757	NM_005813	ENSG00000	PRKD3	EPK2|PKC-	protein k	protein-coding
chr2-1343	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	L1MC5a|LI	98407	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-2009	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	28036	NM_001142	60491	Hs.145284	NM_021824	ENSG00000	NIF3L1	ALS2CR1|C	NGG1 inte	protein-coding
chr20-390	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr20	39004174	39004759	+	0	NA	intron (N	intron (N	42122	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr21-290	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr21	29045602	29047589	+	0	NA	intron (N	(TCCTCTCT	21927	NM_006447	10600	Hs.99819	NM_006447	ENSG00000	USP16	UBP-M|UBP	ubiquitin	protein-coding
chr22-457	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr22	45737016	45739238	+	0	NA	intron (N	intron (N	-22397	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-1369	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	intron (N	L2a|LINE|	5140	NM_001190	4690	Hs.126889	NM_006153	ENSG00000	NCK1	NCK|NCKal	NCK adapt	protein-coding
chr3-1425	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	16281	NM_001184	545	Hs.271791	NM_001184	ENSG00000	ATR	FCTCS|FRP	ATR serin	protein-coding
chr7-4756	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr7	47567392	47570189	+	0	NA	intron (N	intron (N	13321	NM_022748	64759	Hs.520814	NM_022748	ENSG00000	TNS3	TEM6|TENS	tensin 3	protein-coding
chr8-1885	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chr8	1885681	1885991	+	0	NA	intron (N	intron (N	61910	NM_001308	9639	Hs.98594	NM_014629	ENSG00000	ARHGEF10	GEF10|SNC	Rho guani	protein-coding
chrX-9709	6.641345	-0.2774	0.89687	-0.30929	0.757098	0.981636	chrX	9709645	9710778	+	0	NA	intron (N	AluJb|SIN	55636	NM_000273	4935	Hs.74124	NM_000273	ENSG00000	GPR143	NYS6|OA1	G protein	protein-coding
chr1-5515	6.608063	-0.28273	0.914125	-0.30929	0.7571	0.981636	chr1	55155313	55156600	+	0	NA	intron (N	LTR33A|LT	59408	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitin	protein-coding
chr1-9310	6.608063	-0.28273	0.914125	-0.30929	0.7571	0.981636	chr1	93104514	93104835	+	0	NA	intron (N	AluSc|SIN	25391	NM_007358	22823	Hs.31016	NM_007358	ENSG00000	MTF2	M96|PCL2|	metal res	protein-coding
chr13-215	6.608063	-0.28273	0.914125	-0.30929	0.7571	0.981636	chr13	21552400	21553977	+	0	NA	intron (N	L1PA4|LIN	50982	NM_152726	221154	Hs.412103	NM_152726	ENSG00000	MICU2	1110008L2	mitochond	protein-coding
chr19-563	6.608063	-0.28273	0.914125	-0.30929	0.7571	0.981636	chr19	56370671	56371356	+	0	NA	intron (N	intron (N	-2630	NM_001322	79149	Hs.177688	NM_024303	ENSG00000	ZSCAN5A	ZNF495|ZS	zinc fing	protein-coding
chr4-8680	6.608063	-0.28273	0.914125	-0.30929	0.7571	0.981636	chr4	86804067	86804513	+	0	NA	intron (N	intron (N	45094	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr1-9262	6.221028	-0.28769	0.930333	-0.30923	0.757144	0.981636	chr1	92620110	92620833	+	0	NA	intron (N	L1MCa|LIN	-133546	NM_005263	2672	Hs.73172	NM_005263	ENSG00000	GFI1	GFI-1|GFI	growth fa	protein-coding
chr20-496	6.221028	-0.28769	0.930333	-0.30923	0.757144	0.981636	chr20	49648758	49649242	+	0	NA	intron (N	intron (N	64878	NM_004776	9334	Hs.370487	NM_004776	ENSG00000	B4GALT5	B4Gal-T5|	beta-1,4-	protein-coding
chr22-314	6.221028	-0.28769	0.930333	-0.30923	0.757144	0.981636	chr22	31418564	31419186	+	0	NA	intron (N	AluSc8|SI	19271	NM_004147	4733	Hs.115242	NM_004147	ENSG00000	DRG1	NEDD3	developme	protein-coding
chr7-1399	4.434435	0.344904	1.115738	0.309126	0.757225	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	108228	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr19-346	10.86983	-0.21994	0.711663	-0.30906	0.757278	0.981636	chr19	34679468	34685507	+	0	NA	intron (N	intron (N	4809	NM_001289	55900	Hs.436350	NM_018443	ENSG00000	ZNF302	HSD16|MST	zinc fing	protein-coding
chr5-1283	10.86983	-0.21994	0.711663	-0.30906	0.757278	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	205896	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr7-1392	10.86983	-0.21994	0.711663	-0.30906	0.757278	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	53194	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr17-301	10.35937	-0.22593	0.731542	-0.30884	0.757443	0.981636	chr17	30135283	30135736	+	0	NA	intron (N	AluY|SINE	-18349	NR_036149	1E+08		NR_036149	ENSG00000	MIR3184	-	microRNA	ncRNA
chr14-244	6.690342	-0.27623	0.89464	-0.30876	0.757505	0.981636	chr14	24437368	24440072	+	0	NA	3' UTR (N	3' UTR (N	4081	NM_020195	56948	Hs.643552	NM_020195	ENSG00000	SDR39U1	C14orf124	short cha	protein-coding
chr4-1766	6.690342	-0.27623	0.89464	-0.30876	0.757505	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	TTS (NM_0	TTS (NM_0	109798	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LM	vascular	protein-coding
chr9-8846	6.690342	-0.27623	0.89464	-0.30876	0.757505	0.981636	chr9	88469316	88469966	+	0	NA	intron (N	AluSx1|SI	-65460	NM_001161	158046	Hs.734507	NM_145283	ENSG00000	NXNL2	C9orf121|	nucleored	protein-coding
chr1-2070	15.09341	0.18948	0.613895	0.308652	0.757586	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	3' UTR (N	3' UTR (N	2275	NM_018566	55432	Hs.567533	NM_018566	ENSG00000	YOD1	DUBA8|OTU	YOD1 deub	protein-coding
chr14-212	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr14	21227474	21235019	+	0	NA	intron (N	AluSx3|SI	-24346	NR_038971	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr17-837	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr17	8377218	8382083	+	0	NA	intron (N	intron (N	-2946	NM_001304	124751	Hs.304604	NM_213597	ENSG00000	KRBA2	-	KRAB-A do	protein-coding
chr17-358	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr17	35842413	35846370	+	0	NA	intron (N	intron (N	24500	NM_152781	256957	Hs.514820	NM_152781	ENSG00000	HEATR9	C17orf66	HEAT repe	protein-coding
chr4-5425	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr4	54258943	54271297	+	0	NA	intron (N	MIR3|SINE	31160	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr5-1427	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr5	14271099	14273603	+	0	NA	intron (N	intron (N	129009	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-1429	10.40051	-0.22397	0.725853	-0.30856	0.757655	0.981636	chr5	14292380	14295218	+	0	NA	intron (N	intron (N	150457	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr4-8346	9.006435	-0.25055	0.812039	-0.30854	0.757669	0.981636	chr4	83469420	83469805	+	0	NA	intron (N	intron (N	13554	NM_016067	51023	Hs.334772	NM_016067	ENSG00000	MRPS18C	CGI-134|M	mitochond	protein-coding
chr19-171	4.938881	0.321156	1.041294	0.30842	0.757763	0.981636	chr19	17148415	17150483	+	0	NA	intron (N	intron (N	57214	NR_145784	1.1E+08		NR_145784		SNORA118	-	small nuc	snoRNA
chr19-124	15.10802	-0.18964	0.615165	-0.30828	0.757869	0.981636	chr19	1249928	1252173	+	0	NA	intron (N	CpG-1301C	2497	NM_177401	90007	Hs.465529	NM_177401	ENSG00000	MIDN	-	midnolin	protein-coding
chr1-3904	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr1	39041304	39042303	+	0	NA	Intergeni	AluSz|SIN	15453	NM_004552	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubiq	protein-coding
chr1-1787	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	21800	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr10-136	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr10	13610114	13612115	+	0	NA	intron (N	intron (N	24149	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr13-995	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr13	99522881	99523571	+	0	NA	intron (N	AluJo|SIN	21754	NM_004800	9375	Hs.607896	NM_004800	ENSG00000	TM9SF2	P76	transmemb	protein-coding
chr14-677	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr14	67765403	67766003	+	0	NA	intron (N	intron (N	50887	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr5-1353	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	MIRb|SINE	20504	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr6-4441	6.469784	0.280082	0.908986	0.308125	0.757987	0.981636	chr6	44417898	44418408	+	0	NA	intron (N	L1PA4|LIN	-17488	NR_039785	1.01E+08		NR_039785	ENSG00000	MIR4642	-	microRNA	ncRNA
chr1-1319	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr1	1319141	1320384	+	0	NA	intron (N	L2a|LINE|	4898	NM_001256	54973	Hs.6449	NM_017871	ENSG00000	INTS11	CPSF3L|CP	integrato	protein-coding
chr1-2393	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr1	2393201	2394484	+	0	NA	intron (N	(TG)n|Sim	2001	NM_007033	11079	Hs.525527	NM_007033	ENSG00000	RER1	-	retention	protein-coding
chr1-5297	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr1	52977741	52983115	+	0	NA	exon (NM_	exon (NM_	-34509	NM_001007	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr1-1506	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	L2c|LINE|	12040	NM_207047	2029	Hs.632456	NM_004436	ENSG00000	ENSA	ARPP-19e	endosulfi	protein-coding
chr11-201	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr11	20103234	20104275	+	0	NA	intron (N	intron (N	-54451	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-944	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr11	94498787	94499568	+	0	NA	3' UTR (N	3' UTR (N	5193	NM_017704	54851	Hs.29052	NM_017704	ENSG00000	ANKRD49	FGIF|GBIF	ankyrin r	protein-coding
chr12-572	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr12	57282983	57284175	+	0	NA	intron (N	AluSx|SIN	-32392	NM_001286	246329	Hs.417595	NM_145064	ENSG00000	STAC3	MYPBB|NAM	SH3 and c	protein-coding
chr13-454	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr13	45477142	45478650	+	0	NA	intron (N	AluY|SINE	12957	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr14-100	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	2143	NR_003080	692215		NR_003080	ENSG00000	SNORD112	14q(0)	small nuc	snoRNA
chr15-809	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr15	80978426	80979931	+	0	NA	non-codin	non-codin	10641	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr16-214	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr16	21491706	21492464	+	0	NA	intron (N	AluSc8|SI	-9441	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-704	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr16	70487217	70488033	+	0	NA	intron (N	MIR|SINE|	33030	NM_145059	197258	Hs.7907	NM_145059	ENSG00000	FCSK	1110046B1	fucose ki	protein-coding
chr16-706	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr16	70682399	70683748	+	0	NA	intron (N	intron (N	2980	NM_138383	92154	Hs.432387	NM_138383	ENSG00000	MTSS2	ABBA|ABBA	MTSS I-BA	protein-coding
chr18-458	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr18	45851439	45852909	+	0	NA	3' UTR (N	3' UTR (N	26499	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-344	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr19	34462061	34468641	+	0	NA	intron (N	intron (N	-16407	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr19-470	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr19	47092139	47093699	+	0	NA	intron (N	intron (N	20857	NM_015168	23211	Hs.104661	NM_015168	ENSG00000	ZC3H4	C19orf7	zinc fing	protein-coding
chr2-4230	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr2	42304671	42305215	+	0	NA	intron (N	AluSx|SIN	55095	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-5566	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr2	55665823	55667081	+	0	NA	intron (N	L1ME1|LIN	27392	NM_033109	87178	Hs.388733	NM_033109	ENSG00000	PNPT1	COXPD13|D	polyribon	protein-coding
chr2-6102	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr2	61020769	61022858	+	0	NA	intron (N	L1P2|LINE	-3554	NM_001322	150962	Hs.368348	NM_144709	ENSG00000	PUS10	CCDC139|D	pseudouri	protein-coding
chr2-1975	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	TTS (NM_0	TTS (NM_0	37783	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr22-317	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr22	31746300	31747647	+	0	NA	intron (N	AluY|SINE	3159	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr3-1573	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr3	15734308	15737055	+	0	NA	intron (N	intron (N	20866	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr3-4733	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr3	47339421	47340855	+	0	NA	intron (N	intron (N	-40883	NM_015466	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr5-1511	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr5	1511684	1512993	+	0	NA	intron (N	intron (N	-1482	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr5-3849	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr5	38492673	38493674	+	0	NA	intron (N	intron (N	47627	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AG	EGF like,	protein-coding
chr6-1324	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	non-codin	non-codin	54261	NM_001326	8417	Hs.593148	NM_003569	ENSG00000	STX7	-	syntaxin	protein-coding
chr6-1498	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-39627	NR_045126	1.01E+08	Hs.642734	NR_045126	ENSG00000	RAET1E-AS	RAET1G-AS	RAET1E an	ncRNA
chr7-2486	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr7	24865132	24866677	+	0	NA	intron (N	intron (N	26717	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORP	oxysterol	protein-coding
chr7-9951	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr7	99516953	99518333	+	0	NA	intron (N	AluSz|SIN	11638	NM_001318	23660	Hs.110839	NM_014569	ENSG00000	ZKSCAN5	ZFP-95|ZF	zinc fing	protein-coding
chr7-1333	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PB1|LIN	48547	NR_106749	1.02E+08		NR_106749	ENSG00000	MIR6133	hsa-mir-6	microRNA	ncRNA
chr9-9544	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr9	95445989	95448191	+	0	NA	exon (NM_	exon (NM_	-16519	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA

chr9-109(	6.682484	-0.27426	0.89013	-0.30811	0.758	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	promoter-	promoter-	-120	NR_02950(	407036		NR_02950(	ENSG0000(	MIR32	MIRN32|hs	microRNA	ncRNA
chr11-59(	6.6982	-0.27824	0.903511	-0.30795	0.758119	0.981636	chr11	59602392	59603056	+	0	NA	intron (N	AluJb|SIN	-7566	NR_03612(	1E+08		NR_03612(	ENSG0000(	MIR3162	mir-3162	microRNA	ncRNA
chr5-3475	6.6982	-0.27824	0.903511	-0.30795	0.758119	0.981636	chr5	34755578	34756178	+	0	NA	intron (N	MIR|SINE|	68319	NM_001145	26064	Hs.43140(	NM_015577	ENSG0000(	RAI14	NORPEG|RA	retinoic	protein-coding
chr19-357	6.461926	0.282536	0.917702	0.307873	0.758179	0.981636	chr19	35768169	35768561	+	0	NA	intron (N	intron (N	-7199	NM_052948	115703	Hs.515364	NM_052948	ENSG0000(	ARHGAP33	NOMA-GAP|	Rho GTPas	protein-coding
chr1-6663	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr1	66634117	66636946	+	0	NA	intron (N	intron (N	7091	NR_03606(	1E+08		NR_03606(	ENSG0000(	MIR3117	mir-3117	microRNA	ncRNA
chr10-119	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	4526	NR_002917	641451	Hs.688653	NR_002917	ENSG0000(	SNORA19	ACA19	small nuc	snoRNA
chr12-561	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr12	56159335	56164539	+	0	NA	TTS (NM_(	TTS (NM_(	3578	NM_021019	4637	Hs.632717	NM_021019	ENSG0000(	MYL6	ESMLC|LC1	myosin li	protein-coding
chr12-13(	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr12	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	2708	NM_006325	5901	Hs.10842	NM_006325	ENSG0000(	RAN	ARA24|Gsp	RAN, memb	protein-coding
chr20-341	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr20	34100959	34105714	+	0	NA	intron (N	intron (N	8907	NM_001316	8894	Hs.42918(	NM_003908	ENSG0000(	EIF2S2	EIF2|EIF2	eukaryoti	protein-coding
chr5-145(	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr5	14506538	14508904	+	0	NA	intron (N	intron (N	43738	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-7288	10.86197	-0.21869	0.710412	-0.30783	0.75821	0.981636	chr5	72880616	72899056	+	0	NA	exon (NM_	exon (NM_	11245	NR_039968	1.01E+08		NR_039968	ENSG0000(	MIR4804	-	microRNA	ncRNA
chr9-1115	15.10016	-0.18872	0.613633	-0.30755	0.758425	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSc|SIN	32176	NM_012212	22949	Hs.584864	NM_012212	ENSG0000(	PTGR1	LTB4DH|PG	prostagla	protein-coding
chr2-1592	9.897917	-0.23169	0.753869	-0.30733	0.758589	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	TTS (NM_(	TTS (NM_(	48295	NR_106948	1.02E+08		NR_106948	ENSG0000(	MIR6888	hsa-mir-6	microRNA	ncRNA
chr21-466	9.897917	-0.23169	0.753869	-0.30733	0.758589	0.981636	chr21	46656205	46656419	+	0	NA	intron (N	MSTB1|LTR	20638	NM_206962	3275	Hs.154163	NM_001535	ENSG0000(	PRMT2	HRMT1L1	protein a	protein-coding
chr11-92(	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr11	9202329	9203012	+	0	NA	intron (N	L2a|LINE|	62656	NR_145966	23258	Hs.501857	NM_015213	ENSG0000(	DENND5A	EIEE49|RA	DENN doma	protein-coding
chr11-65(	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr11	65044330	65044810	+	0	NA	TTS (NM_(	TTS (NM_(	3360	NM_013299	29901	Hs.23642	NM_013299	ENSG0000(	SAC3D1	HSU79266|	SAC3 doma	protein-coding
chr14-962	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr14	96231913	96233501	+	0	NA	intron (N	MER113|DN	-23503	NM_00071(	623	Hs.525572	NM_00071(	ENSG0000(	BDKRB1	B1BKR|B1F	bradykini	protein-coding
chr16-234	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr16	23414865	23416152	+	0	NA	intron (N	intron (N	37681	NM_153603	91949	Hs.185807	NM_153603	ENSG0000(	COG7	CDG2E	component	protein-coding
chr18-13(	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr18	13077512	13079391	+	0	NA	intron (N	L1PA7|LIN	87089	NM_032142	55125	Hs.100914	NM_018069	ENSG0000(	CEP192	PPP1R62	centrosom	protein-coding
chr19-35(	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr19	3509025	3510711	+	0	NA	intron (N	L1MB5|LIN	3557	NM_016263	51343	Hs.413133	NM_016263	ENSG0000(	FZR1	CDC20C|CD	fizzy and	protein-coding
chr2-1577	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (N	MER20B|DN	39398	NM_001347	90	Hs.470316	NM_001105	ENSG0000(	ACVR1	ACTRI|ACV	activin A	protein-coding
chrX-1238	5.932057	0.290078	0.946242	0.306558	0.75918	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSc8|SI	28944	NM_001167	331	Hs.356076	NM_001167	ENSG0000(	XIAP	API3|BIRC	X-linked	protein-coding
chr11-129	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	L1ME3Cz|L	2471	NM_006165	4798	Hs.530539	NM_006165	ENSG0000(	NFRKB	INO80G	nuclear f	protein-coding
chr12-507	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr12	50722434	50723519	+	0	NA	intron (N	intron (N	-41125	NM_005171	466	Hs.648565	NM_005171	ENSG0000(	ATF1	EWS-ATF1|	activatir	protein-coding
chr13-112	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-65494	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG0000(	ATP11A-AS	-	ATP11A ar	ncRNA
chr14-296	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr14	29665090	29665806	+	0	NA	intron (N	L1PB3|LIN	261648	NM_001348	5587	Hs.508999	NM_002742	ENSG0000(	PRKD1	CHDED|PKC	protein k	protein-coding
chr16-251	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr16	25142942	25143578	+	0	NA	intron (N	PRIMA41-i	5772	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG0000(	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr8-1039	6.477642	0.277751	0.906076	0.306542	0.759192	0.981636	chr8	1.04E+08	1.04E+08	+	0	NA	intron (N	L1MC1|LIN	145012	NM_001348	9699	Hs.655271	NM_014677	ENSG0000(	RIMS2	OBOE|RAB3	regulatir	protein-coding
chr8-6704	11.32943	-0.22389	0.730372	-0.30654	0.759192	0.981636	chr8	67045551	67045899	+	0	NA	intron (N	intron (N	16408	NM_006837	10987	Hs.491912	NM_006837	ENSG0000(	COPS5	CSN5|JAB1	COP9 sigr	protein-coding
chr9-6062	16.62247	0.180472	0.58893	0.30644	0.759269	0.981636	chr9	60625264	60626506	+	0	NA	Intergeni	ALR/Alpha	-288522	NM_001113	727905	Hs.645497	NM_001113	ENSG0000(	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr14-354	15.61357	0.184978	0.603758	0.306377	0.759318	0.981636	chr14	35400380	35403856	+	0	NA	intron (N	intron (N	2636	NM_020529	4792	Hs.81328	NM_020529	ENSG0000(	NFKBIA	EDAID2|IK	NFKB inhi	protein-coding
chr1-3239	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr1	32392188	32392842	+	0	NA	intron (N	intron (N	1926	NM_00130(	55108	Hs.353454	NM_018045	ENSG0000(	BSDC1	-	BSD domai	protein-coding
chr11-108	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluY|SINE	13247	NM_000019	38	Hs.232375	NM_000019	ENSG0000(	ACAT1	ACAT|MAT|	acetyl-Cc	protein-coding
chr12-123	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx1|SI	2185	NM_001143	91574	Hs.319128	NM_152269	ENSG0000(	C12orf65	COXPD7|SP	chromosom	protein-coding
chr12-123	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	MIR|SINE|	13864	NR_130703	196383	Hs.488173	NM_145058	ENSG0000(	RILPL2	RLP2	Rab inter	protein-coding
chr12-125	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	L2a|LINE|	13575	NM_023928	65985	Hs.656073	NM_023928	ENSG0000(	AACS	ACSF1|SUR	acetoacet	protein-coding
chr16-886	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr16	88698016	88700057	+	0	NA	exon (NM_	exon (NM_	4545	NM_001171	115992	Hs.513804	NM_178841	ENSG0000(	RNF166	-	ring fing	protein-coding
chr17-747	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr17	74793732	74795638	+	0	NA	intron (N	intron (N	18186	NM_017728	54868	Hs.370262	NM_017728	ENSG0000(	TMEM104	-	transmemb	protein-coding
chr19-621	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr19	6210986	6212898	+	0	NA	3’ UTR (N	3’ UTR (N	68033	NM_005934	4298	Hs.10095	NM_005934	ENSG0000(	MLLT1	ENL|LTG19	MLLT1 sup	protein-coding
chr19-449	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr19	44984390	44986693	+	0	NA	intron (N	intron (N	-15923	NM_006509	5971	Hs.654402	NM_006509	ENSG0000(	RELB	I-REL|IMD	RELB prot	protein-coding
chr19-45(	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr19	45003446	45004376	+	0	NA	intron (N	AluSx1|SI	2447	NM_006509	5971	Hs.654402	NM_006509	ENSG0000(	RELB	I-REL|IMD	RELB prot	protein-coding
chr19-552	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr19	55298563	55299766	+	0	NA	intron (N	AluSx3|SI	15167	NM_03243(	84446	Hs.182081	NM_03243(	ENSG0000(	BRSK1	hSAD1	BR serine	protein-coding
chr21-372	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr21	37239143	37239758	+	0	NA	intron (N	intron (N	27884	NM_006052	10311	Hs.369488	NM_006052	ENSG0000(	VPS26C	DCRA|DSCR	VPS26 enc	protein-coding
chr22-238	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr22	23821274	23822085	+	0	NA	intron (N	AluSx|SIN	17327	NM_001135	91319	Hs.593679	NM_19844(	ENSG0000(	DERL3	C22orf14|	derlin 3	protein-coding
chr4-5737	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr4	5737039	5737779	+	0	NA	intron (N	Tigger1|D	26208	NM_153717	2121	Hs.646899	NM_014556	ENSG0000(	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-1694	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr4	1.69E+08	1.7E+08	+	0	NA	intron (N	L1P1|LINE	112219	NM_001199	4750	Hs.481181	NM_012224	ENSG0000(	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr5-1731	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	L1ME1|LIN	-32755	NM_001205	662	Hs.145726	NM_001205	ENSG0000(	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr9-107(	5.443327	0.301526	0.984386	0.306309	0.75937	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	93736	NR_126029	340512	Hs.432529	NR_126029	ENSG0000(	LOC340512	-	uncharact	ncRNA
chr16-218	9.369897	-0.24505	0.800382	-0.30616	0.759482	0.981636	chr16	21898106	21898370	+	0	NA	Intergeni	AluJb|SIN	-31503	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019(	-	uncharact	ncRNA
chr14-965	6.21317	-0.28551	0.932618	-0.30614	0.759498	0.981636	chr14	96532691	96533786	+	0	NA	3’ UTR (N	3’ UTR (N	30373	NM_001293	10914	Hs.253726	NM_032632	ENSG0000(	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr18-586	6.21317	-0.28551	0.932618	-0.30614	0.759498	0.981636	chr18	58689659	58690704	+	0	NA	intron (N	Tigger1|D	-18308	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr2-7566	6.21317	-0.28551	0.932618	-0.30614	0.759498	0.981636	chr2	75664400	75665118	+	0	NA	exon (NM_	exon (NM_	17976	NM_014763	9801	Hs.44024	NM_014763	ENSG0000(	MRPL19	L19mt|MRP	mitochonc	protein-coding
chr7-1023	6.21317	-0.28551	0.932618	-0.30614	0.759498	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx|SIN	-9555	NM_024653	79706	Hs.722104	NM_024653	ENSG0000(	PRKRIP1	C114|KRBC	PRKR inte	protein-coding
chr1-1269	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr1	1269940	1272931	+	0	NA	intron (N	intron (N	2419	NM_194458	118424	Hs.191987	NM_058167	ENSG0000(	UBE2J2	NCUBE-2|N	ubiquitir	protein-coding
chr1-1103	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	14659	NM_001201	9122	Hs.351306	NM_004696	ENSG0000(	SLC16A4	MCT4|MCT5	solute ca	protein-coding
chr10-122	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr10	12207400	12208926	+	0	NA	intron (N	L1M7|LINE	11975	NM_006023	8872	Hs.412842	NM_006023	ENSG0000(	CDC123	C10orf7|D	cell divi	protein-coding
chr14-705	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr14	70590481	70595729	+	0	NA	intron (N	intron (N	7585	NM_001284	10001	Hs.497353	NM_005466	ENSG0000(	MED6	ARC33|NY-	mediator	protein-coding
chr14-74(	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr14	74003417	74004566	+	0	NA	intron (N	AluJo|SIN	15297	NM_001321	957	Hs.65507(	NM_001249	ENSG0000(	ENTPD5	CD39L4|NT	ectonucle	protein-coding
chr14-92(	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr14	92021272	92022144	+	0	NA	exon (NM_	exon (NM_	18351	NM_004239	9321	Hs.632339	NM_004239	ENSG0000(	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr14-102	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	6657	NM_018335	55778	Hs.743359	NM_018335	ENSG0000(	ZNF839	C14orf131	zinc fing	protein-coding
chr14-102	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	(ATTGTC)n	17379	NM_018335	55778	Hs.743359	NM_018335	ENSG0000(	ZNF839	C14orf131	zinc fing	protein-coding
chr15-752	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr15	75210842	75211652	+	0	NA	3’ UTR (N	3’ UTR (N	9365	NM_015492	56905	Hs.17936	NM_015492	ENSG0000(	C15orf39	-	chromosom	protein-coding
chr16-534	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr16	53458656	53460533	+	0	NA	exon (NM_	exon (NM_	23975	NM_001323	5934	Hs.513609	NM_005611	ENSG0000(	RBL2	P130|Rb2	RB transc	protein-coding
chr16-877	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr16	87746257	87748722	+	0	NA	intron (N	intron (N	18497	NM_001184	54758	Hs.12345(	NM_017566	ENSG0000(	KLHDC4	-	kelch dom	protein-coding
chr17-422	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr17	42201714	42202623	+	0	NA	intron (N	intron (N	-7674	NM_001142	84514	Hs.38039	NM_032484	ENSG0000(	GHDC	D11LGP1|L	GH3 domai	protein-coding
chr17-803	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr17	80355186	80356077	+	0	NA	intron (N	intron (N	-59536	NR_148041	284131	Hs.389678	NM_173627	ENSG0000(	ENDOV	-	endonucle	protein-coding
chr19-343	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr19	34392513	34395105	+	0	NA	intron (N	intron (N	-10589	NM_001353	84306	Hs.515344	NM_032346	ENSG0000(	PDCD2L	-	programme	protein-coding
chr2-8577	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr2	85775715	85777158	+	0	NA	intron (N	MIRc|SINE	7241	NR_106719	1.02E+08		NR_106719	ENSG0000(	MIR6071	hsa-mir-6	microRNA	ncRNA
chr2-9777	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr2	97771759	97774315	+	0	NA	intron (N	intron (N	38631	NM_207519	7535	Hs.234569	NM_001079	ENSG0000(	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr2-2273	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	L1MB5|LIN	6667	NM_001277	56947	Hs.471528	NM_020194	ENSG0000(	MFF	C2orf33|E	mitochonc	protein-coding
chr2-2301	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA8A|LI	28956	NM_004509	3431	Hs.14515(	NM_004509	ENSG0000(	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr2-2416	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	FLAM_C|SI	13581	NM_001164	51078	Hs.435759	NM_015963	ENSG0000(	THAP4	CGI-36|NE	THAP doma	protein-coding
chr20-938	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr20	9381737	9382565	+	0	NA	intron (N	L2a|LINE|	74351	NM_000933	5332	Hs.472101	NM_000933	ENSG0000(	PLCB4	ARCND2|PI	phospholi	protein-coding
chr20-489	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr20	48948562	48951376	+	0	NA	intron (N	MER5A|DNA	28258	NM_00642(	10564	Hs.62578	NM_00642(	ENSG0000(	ARFGEF2	BIG2|PVNH	ADP ribos	protein-coding
chr3-471(	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr3	47104717	47105837	+	0	NA	intron (N	AluSz6|SI	58700	NM_014159	29072	Hs.517941	NM_012271	ENSG0000(	SETD2	HBP231|HI	SET domai	protein-coding
chr3-1424	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx|SIN	31218	NM_001282	54464	Hs.435103	NM_019001	ENSG0000(	XRN1	1-Sep	5’-3’ exc	protein-coding
chr4-1587	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	L2a|LINE|	18875	NM_005038	5481	Hs.183958	NM_005038	ENSG0000(	PPID	CYP-40|CY	peptidylp	protein-coding
chr4-1682	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	66455	NM_017631	55601	Hs.59171(	NM_017631	ENSG0000(	DDX60	-	DExD/H-bc	protein-coding
chr5-1265	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx1|SI	17215	NM_001201	501	Hs.483239	NM_001182	ENSG0000(	ALDH7A1	ATQ1|EPD|	aldehyde	protein-coding
chr7-922(	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr7	92201047	92202547	+	0	NA	intron (N	L1PA7|LIN	2301	NR_031616	1E+08		NR_031616	ENSG0000(	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr8-9627	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr8	96274269	96274753	+	0	NA	intron (N	AluSp|SIN	12609	NM_014754	9791	Hs.292579	NM_014754	ENSG0000(	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr8-1405	5.939915	0.28758	0.939559	0.30608	0.759544	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	50065	NR_040712	54108	Hs.279704	NM_017444	ENSG0000(	CHRAC1	CHARC1|CH	chromatir	protein-coding
chr1-287(	5.981054	0.289644	0.946565	0.305994	0.759609	0.981636	chr1	28702715	28704028	+	0	NA	intron (N	L2a|LINE|	-33250	NM_001173	51441	Hs.532286	NM_016258	ENSG0000(	YTHDF2	CAHL|HGRG	YTH N6-me	protein-coding
chr16-196	5.981054	0.289644	0.946565	0.305994	0.759609	0.981636	chr16	19602123	19602820	+	0	NA	intron (N	intron (N	46768	NM_001365	57020	Hs.654964	NM_020314	ENSG0000(	VPS35L	C16orf62	VPS35 enc	protein-coding
chr7-139(	5.981054	0.289644	0.946565	0.305994	0.759609	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	TTS (NM_(	TTS (NM_(	-15590	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr1-1628	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	16287805	16288269	+	0	NA	intron (N	AluSq2|SI	-50854	NM_030907	79363	Hs.54643(	NM_030907	ENSG0000(	CPLANE2	C1orf89|F	ciliogene	protein-coding
chr1-3268	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	32685579	32687496	+	0	NA	TTS (NM_(	TTS (NM_(	16233	NM_001161	81493	Hs.712631	NM_030786	ENSG0000(	SYNC	SYNC1|SYN	syncoilir	protein-coding
chr1-3885	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	38851725	38852560	+	0	NA	intron (N	intron (N	7630	NM_001271	64121	Hs.532461	NM_022157	ENSG0000(	RRAGC	GTR2|RAGC	Ras relat	protein-coding
chr1-3948	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	39482595	39483730	+	0	NA	intron (N	intron (N	-8474	NM_181809	353500	Hs.472497	NM_181809	ENSG0000(	BMP8A	-	bone morp	protein-coding
chr1-5393	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	53932066	53935263	+	0	NA	intron (N	L1ME2|LIN	12159	NR_133633	51668	Hs.525462	NM_016126	ENSG0000(	HSPB11	C1orf41|H	heat shoc	protein-coding
chr1-1835	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	56264	NM_001331	9887	Hs.591463	NM_014837	ENSG0000(	SMG7	C1orf16|E	SMG7 nons	protein-coding
chr11-102	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	Intergeni	Intergeni	35181	NM_001256	329	Hs.696238	NM_001166	ENSG0000(	BIRC2	API1|HIAP	baculovir	protein-coding
chr11-119	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3728	NR_106814	1.02E+08		NR_106814	ENSG0000(	MIR6756	hsa-mir-6	microRNA	ncRNA
chr11-129	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	L2b|LINE|	12424	NM_006165	4798	Hs.530539	NM_006165	ENSG0000(	NFRKB	INO80G	nuclear f	protein-coding
chr13-422	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr13	42210556	42212853	+	0	NA	intron (N	AluSx1|SI	-60448	NM_016248	11215	Hs.105105	NM_016248	ENSG0000(	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr15-33(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	33062523	33063910	+	0	NA	intron (N	LTR33|LTR	4958	NM_001103	342184	Hs.657649	NM_19850(	ENSG0000(	FMN1	FMN|LD	formin 1	protein-coding
chr15-34(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	34093976	34095933	+	0	NA	intron (N	(AAAG)n|S	6908	NM_020154	56851	Hs.160565	NM_020154	ENSG0000(	EMC7	C11orf3|C	ER membra	protein-coding
chr15-425	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	42523001	42523633	+	0	NA	intron (N	intron (N	25476	NM_15326(	255252	Hs.234681	NM_15326(	ENSG0000(	LRRC57	-	leucine r	protein-coding
chr15-43(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	43082653	43083553	+	0	NA	intron (N	intron (N	22935	NM_174916	197131	Hs.591121	NM_174916	ENSG0000(	UBR1	JBS	ubiquitir	protein-coding
chr15-904	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	90428480	90430416	+	0	NA	intron (N	intron (N	41206	NM_00387(	8826	Hs.430551	NM_00387(	ENSG0000(	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr15-996	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr15	99692149	99698071	+	0	NA	intron (N	L1MC3|LIN	38327	NM_001284	145748	Hs.562568	NM_152449	ENSG0000(	LYSMD4	-	LysM doma	protein-coding
chr16-162	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr16	16278891	16279531	+	0	NA	intron (N	AluSq2|SI	-20948	NR_128709	1.04E+08		NR_128709	ENSG0000(	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr16-208	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr16	20858258	20858563	+	0	NA	3’ UTR (N	3’ UTR (N	-41472	NM_020424	57149	Hs.745012	NM_020424	ENSG0000(	LYRM1	A211C6.1	LYR motif	protein-coding
chr16-671	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr16	67120391	67121428	+	0	NA	intron (N	intron (N	10968	NM_00132(	80262	Hs.513666	NM_025187	ENSG0000(	C16orf70	C16orf6|L	chromosom	protein-coding
chr16-744	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr16	74484063	74484963	+	0	NA	intron (N	AluSg|SIN	-63043	NM_001011	497190	Hs.45467(	NM_001011	ENSG0000(	CLEC18B	MRCL2	C-type le	protein-coding
chr17-281	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr17	28190298	28195030	+	0	NA	intron (N	AluSp|SIN	-33899	NR_003064	23615	Hs.157195	NM_021093	ENSG0000(	PYY2	-	peptide Y	pseudo
chr17-29(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr17	29077001	29077624	+	0	NA	intron (N	intron (N	-1703	NM_00474(	9220	Hs.46259(	NM_00474(	ENSG0000(	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr17-584	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr17	58489473	58490189	+	0	NA	3’ UTR (N	3’ UTR (N	-1423	NM_00108(	124535	Hs.380061	NM_00108(	ENSG0000(	HSF5	HSF 5|HST	heat shoc	protein-coding
chr19-197	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr19	1974850	1976018	+	0	NA	intron (N	CpG	-20885	NR_03340(	255193	Hs.374717	NM_152771	ENSG0000(	CSNK1G2-A	C19orf34	CSNK1G2 a	ncRNA
chr19-172	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr19	17210810	17211870	+	0	NA	intron (N	AluJo|SIN	-4017	NM_018467	55850	Hs.16187	NM_018467	ENSG0000(	USE1	D12|MDS03	unconvent	protein-coding
chr19-344	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr19	34449705	34452176	+	0	NA	intron (N	intron (N	22559	NM_005499	10054	Hs.63158(	NM_005499	ENSG0000(	UBA2	ARX|HRIHF	ubiquitir	protein-coding
chr2-6647	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr2	66470753	66474515	+	0	NA	intron (N	intron (N	-32304	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG0000(	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-1281	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	19273	NR_027671	56886	Hs.743306	NM_02012(	ENSG0000(	UGGT1	HUGT1|UGC	UDP-glucc	protein-coding
chr2-1975	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	TTS (NM_(	TTS (NM_(	3035	NM_002157	3336	Hs.1197	NM_002157	ENSG0000(	HSPE1	CPN10|EPF	heat shoc	protein-coding
chr2-2214	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr2	2.21E+08	2.21E+08	+	0	NA	intron (N	intron (N	130251	NM_001304	2043	Hs.371218	NM_004438	ENSG0000(	EPHA4	EK8|HEK8|	EPH recep	protein-coding
chr20-199	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr20	19911337	19911964	+	0	NA	intron (N	L1MC4|LIN	22084	NM_018993	54453	Hs.47227(	NM_018993	ENSG0000(	RIN2	MACS|RASS	Ras and R	protein-coding
chr20-20(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr20	20031184	20039283	+	0	NA	3’ UTR (N	3’ UTR (N	17259	NM_001278	51340	Hs.171342	NM_016652	ENSG0000(	CRNKL1	CLF|CRN|C	crooked n	protein-coding
chr20-385	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr20	38503371	38505241	+	0	NA	intron (N	L1PA16|LI	-12257	NR_039605	1.01E+08		NR_039605	ENSG0000(	MIR548O2	-	microRNA	ncRNA
chr21-327	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr21	32744756	32745768	+	0	NA	intron (N	intron (N	17148	NR_03888(	1.01E+08	Hs.657123	NR_038879	ENSG0000(	PAXBP1-AS	GCFC1-AS1	PAXBP1 ar	ncRNA
chr3-479(	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	47906340	47910962	+	0	NA	intron (N	intron (N	59096	NR_031595	1E+08		NR_031595	ENSG0000(	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-5258	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	52581049	52581932	+	0	NA	intron (N	AluSz6|SI	44885	NM_001124	440957	Hs.660577	NM_001124	ENSG0000(	SMIM4	C3orf78	small int	protein-coding
chr3-5267	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	52672106	52680745	+	0	NA	intron (N	THE1A|LTR	9174	NM_00135(	55193	Hs.18992(	NM_018165	ENSG0000(	PBRM1	BAF180|PE	polybromc	protein-coding
chr3-7338	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	73389448	73390187	+	0	NA	exon (NM_	exon (NM_	44178	NM_001303	23024	Hs.660347	NM_015009	ENSG0000(	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding

chr3-8815	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	88153495	88159567	+	0	NA	exon (NM_	exon (NM_	6572	NM_173824	285237	Hs.476944	NM_173824	ENSG00000	C3orf38	-	chromosom	protein-coding
chr3-1424	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJr4|SI	-34782	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr4-4271	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	4271522	4274445	+	0	NA	intron (N	intron (N	17038	NM_001145	55646	Hs.425427	NM_017816	ENSG00000	LYAR	ZC2HC2|ZI	Ly1 antib	protein-coding
chr4-2642	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	26421660	26426915	+	0	NA	intron (N	intron (N	66197	NM_000730	886	Hs.129	NM_000730	ENSG00000	CCKAR	CCK-A|CCK	cholecyst	protein-coding
chr4-3888	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	38884677	38885989	+	0	NA	intron (N	AluJr4|SI	17301	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-3991	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	39915719	39916582	+	0	NA	intron (N	AluJo|SIN	61761	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr4-5260	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	52603841	52606096	+	0	NA	intron (N	intron (N	51571	NM_001134	64854	Hs.7966	NM_022832	ENSG00000	USP46	-	ubiquitin	protein-coding
chr4-7313	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	73133968	73134890	+	0	NA	intron (N	intron (N	-64670	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-7891	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	78910685	78912029	+	0	NA	TTS (NR_1	TTS (NR_1	28081	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr4-8676	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	86764057	86767070	+	0	NA	intron (N	intron (N	83821	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-1451	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	-8035	NM_001256	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding
chr5-7044	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	70446972	70448603	+	0	NA	TTS (NM_C	TTS (NM_C	32413	NM_001515	2966	Hs.191356	NM_001515	ENSG00000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr5-7776	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	77766728	77767951	+	0	NA	intron (N	intron (N	9000	NM_001297	6902	Hs.291212	NM_004607	ENSG00000	TBCA	-	tubulin f	protein-coding
chr5-1325	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MD2|LIN	31524	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr5-1405	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-6227	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr5-1600	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	26657	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr5-1786	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-18291	NM_173465	91522	Hs.660026	NM_173465	ENSG00000	COL23A1	-	collagen	protein-coding
chr6-2440	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr6	24405401	24406429	+	0	NA	intron (N	AluY|SINE	2979	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-5714	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr6	57142405	57146546	+	0	NA	intron (N	AluSz|SIN	27738	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr6-1473	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-145513	NM_001030	389432	Hs.567973	NM_001030	ENSG00000	SAMD5	dJ875H10.	sterile a	protein-coding
chr6-1498	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	52600	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr6-1663	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr6	1.66E+08	1.66E+08	+	0	NA	intron (N	MLT1A|LTR	13734	NM_145169	113402	Hs.487143	NM_145169	ENSG00000	SFT2D1	C6orf83|p	SFT2 doma	protein-coding
chr7-2474	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr7	24748544	24749277	+	0	NA	intron (N	LTR52|LTR	8554	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr7-6654	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr7	66546595	66548684	+	0	NA	intron (N	AluSx1|SI	44768	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr7-1356	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	-39690	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr8-3880	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr8	38809802	38812470	+	0	NA	intron (N	intron (N	5686	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr9-2825	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	2825291	2829741	+	0	NA	intron (N	Charlie13	16579	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio F	protein-coding
chr9-3245	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	32453397	32455383	+	0	NA	TTS (NM_C	TTS (NM_C	69747	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEI	aconitase	protein-coding
chr9-3623	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	36239515	36240872	+	0	NA	intron (N	L1PA17|LI	18255	NM_001190	10020	Hs.5920	NM_005476	ENSG00000	GNE	DMRV|GLCN	glucosami	protein-coding
chr9-9820	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	98201173	98202555	+	0	NA	intron (N	intron (N	-9227	NM_052820	7464	Hs.113094	NM_003389	ENSG00000	CORO2A	CLIPINB|I	coronin 2	protein-coding
chr9-1116	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	2828	NM_001017	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chr9-1142	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	FLAM_A|SI	-24973	NM_000607	5004	Hs.522356	NM_000607	ENSG00000	ORM1	AGP-A|AGF	orosomuc	protein-coding
chr9-1274	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1PA16|LI	7248	NM_007135	7633	Hs.522399	NM_007135	ENSG00000	ZNF79	pT7	zinc fing	protein-coding
chr9-1284	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIR|SINE|	4315	NM_153437	4957	Hs.129055	NM_002540	ENSG00000	ODF2	CT134|ODF	outer den	protein-coding
chr9-1306	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	L2a|LINE|	3205	NM_014285	23404	Hs.654643	NM_014285	ENSG00000	EXOSC2	RRP4|Rrp4	exosome c	protein-coding
chr9-1329	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	L1M4|LINE	27868	NM_001362	7248	Hs.370854	NM_000368	ENSG00000	TSC1	LAM|TSC	TSC compl	protein-coding
chrX-7811	6.674626	-0.27229	0.890018	-0.30594	0.759652	0.981636	chrX	78117472	78119961	+	0	NA	intron (N	LTR33|LTR	14468	NM_000291	5230	Hs.78771	NM_000291	ENSG00000	PGK1	HEL-S-68p	phosphogl	protein-coding
chr11-108	10.6121	0.229772	0.751086	0.305919	0.759666	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	48143	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr16-224	10.39265	-0.22265	0.727873	-0.30589	0.759691	0.981636	chr16	22479264	22483357	+	0	NA	intron (N	intron (N	-23139	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr5-7021	15.65471	0.185906	0.607893	0.305821	0.759741	0.981636	chr5	70218959	70220106	+	0	NA	non-codin	non-codin	6263	NR_024054	11039	Hs.582500	NM_006780		SMA4	SMA3|b55C	glucuroni	pseudo
chr11-733	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr11	73366467	73366820	+	0	NA	intron (N	AluJb|SIN	-9756	NM_152222	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr12-437	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr12	43744212	43746386	+	0	NA	intron (N	THE1C|LTR	13491	NM_001098	83448	Hs.23554	NM_031292	ENSG00000	PUS7L	-	pseudouri	protein-coding
chr2-3658	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr2	36586622	36586943	+	0	NA	intron (N	AluJr|SIN	11386	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr20-356	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr20	35653075	35655318	+	0	NA	promoter-	promoter-	-287	NM_003915	8904	Hs.246413	NM_003915	ENSG00000	CPNE1	COPN1|CPN	copine 1	protein-coding
chr20-449	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr20	44904086	44907836	+	0	NA	intron (N	intron (N	-4099	NR_134983	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr21-335	10.85411	-0.21744	0.711243	-0.30572	0.759819	0.981636	chr21	33549189	33563094	+	0	NA	intron (N	intron (N	5479	NR_106756	1.02E+08		NR_106756	ENSG00000	MIR6501	hsa-mir-6	microRNA	ncRNA
chr14-601	7.110659	-0.26759	0.875448	-0.30566	0.759863	0.981636	chr14	60146944	60147834	+	0	NA	3’ UTR (N	3’ UTR (N	18009	NM_016029	51635	Hs.59719	NM_016029	ENSG00000	DHRS7	CGI-86|SD	dehydroge	protein-coding
chr2-1125	7.110659	-0.26759	0.875448	-0.30566	0.759863	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx|SIN	-12738	NR_136321	1.05E+08	Hs.599548	NR_136321		LOC105373	-	uncharact	ncRNA
chr1-4106	3.427762	-0.3765	1.232251	-0.30554	0.759956	0.981636	chr1	41065369	41066259	+	0	NA	intron (N	L1MC1|LIN	-44059	NM_001168	200172	Hs.194609	NM_144990	ENSG00000	SLFNL1	-	schlafen	protein-coding
chr15-637	6.17203	-0.28878	0.945592	-0.30539	0.760066	0.981636	chr15	63729277	63729856	+	0	NA	exon (NM_	exon (NM_	104382	NM_003922	8925	Hs.210385	NM_003922	ENSG00000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr7-1299	6.17203	-0.28878	0.945592	-0.30539	0.760066	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSp|SIN	26481	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr20-333	5.924199	0.292672	0.960093	0.304837	0.76049	0.981636	chr20	3333698	3334620	+	0	NA	intron (N	L2a|LINE|	73503	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr6-3062	8.94958	-0.24968	0.819576	-0.30465	0.760634	0.981636	chr6	30625506	30625894	+	0	NA	exon (NM_	exon (NM_	-1174	NR_033823	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr14-100	6.633487	-0.27542	0.905555	-0.30415	0.761015	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA10|LI	2759	NR_003224	767612		NR_003224	ENSG00000	SNORD114-	14q(II-31	small nuc	snoRNA
chr16-771	6.633487	-0.27542	0.905555	-0.30415	0.761015	0.981636	chr16	77199179	77199378	+	0	NA	promoter-	promoter-	-130	NM_001348	1E+08	Hs.734779	NM_001129	ENSG00000	SYCE1L	MRP2	synaptone	protein-coding
chr5-6238	6.633487	-0.27542	0.905555	-0.30415	0.761015	0.981636	chr5	62389419	62390758	+	0	NA	intron (N	intron (N	13817	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr6-1184	6.633487	-0.27542	0.905555	-0.30415	0.761015	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-22285	NR_002730	23629	Hs.648050	NR_002730		BRD7P3	BP75	bromodoma	pseudo
chr8-1250	6.633487	-0.27542	0.905555	-0.30415	0.761015	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	28955	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr18-878	10.90311	-0.21681	0.714348	-0.3035	0.761505	0.981636	chr18	8783702	8787495	+	0	NA	intron (N	CpG	68217	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-527	10.90311	-0.21681	0.714348	-0.3035	0.761505	0.981636	chr19	52719896	52721496	+	0	NA	intron (N	SVA_A|Ret	9186	NM_030972	81856	Hs.143951	NM_030972	ENSG00000	ZNF611	-	zinc fing	protein-coding
chr10-120	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	20699	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr11-618	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr11	61804767	61806555	+	0	NA	intron (N	intron (N	9579	NR_031729	1E+08		NR_031729	ENSG00000	MIR1908	MIRN1908|	microRNA	ncRNA
chr11-653	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr11	65338464	65338846	+	0	NA	intron (N	intron (N	4803	NM_001330	5977	Hs.13495	NM_006268	ENSG00000	DPF2	CSS7|REQ|	double PH	protein-coding
chr11-963	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr11	96356769	96359100	+	0	NA	intron (N	intron (N	-14739	NM_032427	84441	Hs.428214	NM_032427	ENSG00000	MAML2	MAM-3|MAM	mastermin	protein-coding
chr11-117	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	27858	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-121	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	38927	NM_001080	144404	Hs.644504	NM_001080	ENSG00000	TMEM120B	-	transmemb	protein-coding
chr13-238	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr13	23834873	23835947	+	0	NA	intron (N	intron (N	-53458	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr14-214	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr14	21462700	21464242	+	0	NA	intron (N	AluSx3|SI	-7348	NM_001170	57680	Hs.530698	NM_020920	ENSG00000	CHD8	AUTS18|HE	chromodom	protein-coding
chr14-962	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr14	96226905	96229393	+	0	NA	intron (N	LTR1F2|LT	23351	NM_000623	624	Hs.654542	NM_000623	ENSG00000	BDKRB2	B2R|BK-2|	bradykini	protein-coding
chr15-587	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr15	58711759	58713484	+	0	NA	intron (N	AluY|SINE	-19014	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr16-205	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr16	2056149	2056877	+	0	NA	intron (N	intron (N	8311	NM_001318	7249	Hs.90303	NM_000548	ENSG00000	TSC2	LAM|PPP1R	TSC compl	protein-coding
chr16-116	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr16	11676433	11678523	+	0	NA	3’ UTR (N	3’ UTR (N	9023	NM_003498	8303	Hs.618526	NM_003498	ENSG00000	SNN	-	stannin	protein-coding
chr16-235	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr16	23573036	23573974	+	0	NA	3’ UTR (N	3’ UTR (N	15778	NM_019116	56061	Hs.3459	NM_019116	ENSG00000	UBFD1	UBPH	ubiquitin	protein-coding
chr16-865	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr16	86544855	86545853	+	0	NA	intron (N	intron (N	9881	NM_001159	64779	Hs.343627	NM_022764	ENSG00000	MTHFSD	-	methenylt	protein-coding
chr17-441	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr17	44178291	44180297	+	0	NA	TTS (NM_C	TTS (NM_C	7423	NR_049729	339201	Hs.656564	NM_178542	ENSG00000	ASB16-AS1	C17orf65	ASB16 ant	ncRNA
chr17-753	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr17	75375818	75376833	+	0	NA	intron (N	AluSx|SIN	29353	NM_002086	2885	Hs.444356	NM_002086	ENSG00000	GRB2	ASH|EGFRB	growth fa	protein-coding
chr19-519	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr19	519059	520692	+	0	NA	TTS (NM_C	TTS (NM_C	-11885	NM_004359	997	Hs.514997	NM_004359	ENSG00000	CDC34	E2-CDC34|	cell divi	protein-coding
chr19-797	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr19	7977686	7982992	+	0	NA	intron (N	intron (N	25302	NM_001419	1994	Hs.184492	NM_001419	ENSG00000	ELAVL1	ELAV1|HUR	ELAV like	protein-coding
chr19-498	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr19	49806928	49807568	+	0	NA	TTS (NM_C	TTS (NM_C	6044	NR_033269	80199	Hs.288800	NM_025129	ENSG00000	FUZ	CPLANE3|F	fuzzy pla	protein-coding
chr19-557	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr19	55700243	55700839	+	0	NA	Intergeni	AluSx4|SI	23916	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-6292	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr2	62921998	62922743	+	0	NA	intron (N	L1MB2|LIN	125341	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr2-1280	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	20367	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr2-1577	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	TTS (NM_C	TTS (NM_C	102955	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr2-1594	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-151256	NM_001330	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr2-1619	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	75605	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr20-252	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr20	25215098	25218829	+	0	NA	intron (N	intron (N	-20071	NR_109994	1.02E+08	Hs.585997	NR_109994		LOC101926	-	uncharact	ncRNA
chr20-327	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr20	32704394	32705923	+	0	NA	intron (N	intron (N	-31217	NM_182584	284805	Hs.353262	NM_182584	ENSG00000	C20orf203	-	chromosom	protein-coding
chr20-390	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr20	39038562	39039400	+	0	NA	non-codin	non-codin	76637	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr22-232	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr22	23272856	23274472	+	0	NA	exon (NM_	exon (NM_	10897	NR_033408	26226	Hs.729589	NR_033408	ENSG00000	FBXW4P1	FBW3|FBXW	F-box and	pseudo
chr22-499	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr22	49925394	49926108	+	0	NA	intron (N	intron (N	7117	NM_024324	79174	Hs.211282	NM_024324	ENSG00000	CRELD2	-	cysteine	protein-coding
chr3-4256	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr3	42565194	42566715	+	0	NA	intron (N	intron (N	-15886	NM_016305	51188	Hs.534454	NM_016305	ENSG00000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr4-6278	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr4	6278692	6280237	+	0	NA	intron (N	MIR|SINE|	9614	NM_001145	7466	Hs.518602	NM_006005	ENSG00000	WFS1	CTRCT41|W	wolframin	protein-coding
chr4-8826	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr4	88264578	88268273	+	0	NA	intron (N	intron (N	18136	NM_152542	152926	Hs.43744	NM_152542	ENSG00000	PPM1K	BDP|MSUDM	protein p	protein-coding
chr5-9887	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr5	98877026	98877479	+	0	NA	intron (N	intron (N	49282	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PII	chromodom	protein-coding
chr5-1361	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MC1|LIN	24551	NM_001350	389332	Hs.127680	NM_001350	ENSG00000	SMIM32	-	small int	protein-coding
chr7-7290	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr7	72904173	72905639	+	0	NA	intron (N	THE1D|LTR	14279	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr7-1057	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	MSTA-int|	-32716	NM_138495	222255	Hs.745056	NM_020725	ENSG00000	ATXN7L1	ATXN7L4	ataxin 7	protein-coding
chr7-1588	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	31844	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SR	WD repeat	protein-coding
chr8-2241	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr8	22413082	22414519	+	0	NA	intron (N	AluSz|SIN	20964	NM_001351	23516	Hs.491232	NM_015359	ENSG00000	SLC39A14	HCIN|HMND	solute ca	protein-coding
chr8-6717	5.947773	0.285104	0.939607	0.303429	0.761563	0.981636	chr8	67176290	67177196	+	0	NA	intron (N	intron (N	92895	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr14-748	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr14	74809327	74811561	+	0	NA	intron (N	intron (N	47128	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr19-577	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr19	57748457	57758587	+	0	NA	non-codin	non-codin	6707	NM_173632	284309	Hs.720254	NM_173632	ENSG00000	ZNF776	-	zinc fing	protein-coding
chr3-1543	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr3	15434325	15437411	+	0	NA	intron (N	MIR3|SINE	8270	NM_033083	85403	Hs.716733	NM_033083	ENSG00000	EAF1	-	ELL assoc	protein-coding
chr3-1393	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSq4|SI	6123	NM_001363	56945	Hs.745001	NM_020191	ENSG00000	MRPS22	C3orf5|CC	mitochond	protein-coding
chr6-1062	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr6	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	24652	NR_104403	9474	Hs.486063	NM_004849	ENSG00000	ATG5	APG5|APG5	autophagy	protein-coding
chr8-4312	10.89525	-0.21556	0.710995	-0.30318	0.761756	0.981636	chr8	43121455	43124843	+	0	NA	TTS (NM_C	TTS (NM_C	-17315	NM_001363	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chrX-1684	6.97423	0.267783	0.883568	0.30307	0.761836	0.981636	chrX	16844865	16845688	+	0	NA	TTS (NM_C	TTS (NM_C	24587	NM_001198	5931	Hs.495755	NM_002893	ENSG00000	RBBP7	RbAp46	RB bindin	protein-coding
chr22-312	6.4855	0.275488	0.909158	0.303014	0.761879	0.981636	chr22	31203939	31204804	+	0	NA	intron (N	intron (N	-7927	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr3-4931	6.4855	0.275488	0.909158	0.303014	0.761879	0.981636	chr3	49312302	49313316	+	0	NA	intron (N	AluSc8|SI	27244	NM_001251	7375	Hs.77500	NM_003363	ENSG00000	USP4	UNP|Unph	ubiquitin	protein-coding
chr3-7149	6.4855	0.275488	0.909158	0.303014	0.761879	0.981636	chr3	71491592	71492209	+	0	NA	intron (N	intron (N	50189	NR_031697	1E+08		NR_031697	ENSG00000	MIR1284	MIRN1284|	microRNA	ncRNA
chr17-619	10.91097	-0.21808	0.719873	-0.30294	0.761936	0.981636	chr17	61964285	61965340	+	0	NA	intron (N	AluSx|SIN	-36830	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr5-1600	7.102801	-0.26574	0.877264	-0.30292	0.761948	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	28246	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr9-1069	7.102801	-0.26574	0.877264	-0.30292	0.761948	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	118404	NR_126029	340512	Hs.432529	NR_126029	ENSG00000	LOC340512	-	uncharact	ncRNA
chr1-3786	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr1	37867758	37868481	+	0	NA	intron (N	AluSx1|SI	-8527	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr12-795	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr12	79572988	79574943	+	0	NA	Intergeni	LTR12C|LT	116615	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr13-728	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr13	72827435	72828627	+	0	NA	intron (N	intron (N	45898	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr15-502	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr15	50299171	50301315	+	0	NA	intron (N	MER102c|D	-34517	NM_002112	3067	Hs.1481	NM_002112	ENSG00000	HDC	-	histidine	protein-coding
chr4-1701	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr4	1701612	1703298	+	0	NA	intron (N	intron (N	9864	NM_001306	7884	Hs.298345	NM_006527	ENSG00000	SLBP	HBP	stem-loop	protein-coding
chr4-2702	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr4	27022372	27023649	+	0	NA	3’ UTR (N	3’ UTR (N	162169	NM_020860	57620	Hs.744950	NM_020860	ENSG00000	STIM2	-	stromal i	protein-coding
chr5-6235	7.143941	-0.26266	0.867367	-0.30282	0.762025	0.981636	chr5	62352600	62353066	+	0	NA	intron (N	intron (N	46671	NM_001243	3796	Hs.558351	NM_004520	ENSG00000	KIF2A	CDCBM3|HK	kinesin f	protein-coding
chr11-811	10.84625	-0.21619	0.71418	-0.30271	0.76211	0.981636	chr11	811205	813612	+	0	NA	TTS (NR_C	TTS (NR_C	727	NR_002585	619565	Hs.689713	NR_002585	ENSG00000	SNORA52	ACA52	small nuc	snoRNA
chr2-6146	13.15791	0.203642	0.673048	0.302567	0.76222	0.981636	chr2	61468166	61468539	+	0	NA	intron (N	AluSp|SIN	2735	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr16-150	15.58704	-0.18315	0.605387	-0.30253	0.762248	0.981636	chr16	15017600	15021100	+	0	NA	intron (N	intron (N	-8953	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA

chr3-1393	10.43379	-0.22063	0.72954	-0.30242	0.762331	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	L2a|LINE|	8113	NM_004766	9276	Hs.681616	NM_004766	ENSG00000	COPB2	MCPH19|be	coatomer	protein-coding
chr1-1081	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	53437	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr11-200	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr11	20077955	20078809	+	0	NA	intron (N	intron (N	-29079	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-102	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-99346	NM_001165	330	Hs.127799	NM_001165	ENSG00000	BIRC3	AIP1|API2	baculovir	protein-coding
chr12-625	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr12	62537225	62539880	+	0	NA	intron (N	intron (N	64882	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr13-484	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr13	48478586	48479223	+	0	NA	intron (N	intron (N	-34235	NM_005767	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr14-609	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr14	60956507	60958063	+	0	NA	intron (N	THE1B|LTR	23794	NM_001350	57570	Hs.380159	NM_020810	ENSG00000	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr18-275	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr18	2750130	2753877	+	0	NA	intron (N	MER33|DNA	-95003	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr19-515	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr19	51576758	51578833	+	0	NA	intron (N	AluY|SINE	6512	NM_007147	7728	Hs.119014	NM_007147	ENSG00000	ZNF175	OTK18	zinc fing	protein-coding
chr2-6523	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr2	65234580	65235606	+	0	NA	intron (N	intron (N	7398	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-6915	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr2	69158431	69158722	+	0	NA	intron (N	MER47A|DN	54894	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr3-4728	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr3	47288400	47288928	+	0	NA	intron (N	intron (N	5720	NM_025010	23276	Hs.517946	NM_025010	ENSG00000	KLHL18	-	kelch lik	protein-coding
chr3-5756	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr3	57565660	57566897	+	0	NA	3’ UTR (N	3’ UTR (N	10004	NM_001322	201626	Hs.572993	NM_177966	ENSG00000	PDE12	2’-PDE|2-	phosphodi	protein-coding
chr3-1565	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13103	NM_001308	6747	Hs.518346	NM_007107	ENSG00000	SSR3	TRAPG	signal se	protein-coding
chr4-1210	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr4	1210469	1211373	+	0	NA	TTS (NM_0	TTS (NM_0	801	NR_104331	285463	Hs.707614	NR_104331	ENSG00000	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr4-2876	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr4	2876352	2876970	+	0	NA	intron (N	AluY|SINE	32511	NM_001286	118	Hs.183706	NM_001119	ENSG00000	ADD1	ADDA	adducin 1	protein-coding
chr4-1282	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	9878	NM_006320	10424	Hs.507910	NM_006320	ENSG00000	PGRMC2	DG6|PMBP	progester	protein-coding
chr5-1376	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr5	13768945	13769662	+	0	NA	intron (N	AluYc|SIN	175177	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1341	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25437	NM_170679	6500	Hs.171626	NM_006930	ENSG00000	SKP1	EMC19|OCP	S-phase k	protein-coding
chr5-1503	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	22337	NR_157074	972	Hs.436568	NM_004355	ENSG00000	CD74	DHLAG|HLA	CD74 mole	protein-coding
chr6-5919	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr6	591950	592567	+	0	NA	intron (N	intron (N	64706	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr6-7899	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr6	78996132	78996699	+	0	NA	intron (N	LTR79|LTR	81839	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr6-1497	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	MLT1J|LTR	10596	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr7-3006	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr7	30062967	30064318	+	0	NA	intron (N	intron (N	18557	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr7-1212	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-80935	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr8-8890	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr8	8890891	8892357	+	0	NA	exon (NM_	exon (NM_	2006	NM_004225	9258	Hs.379414	NM_004225	ENSG00000	MFHAS1	LRRC65|MA	malignant	protein-coding
chr8-3044	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr8	30445872	30447144	+	0	NA	intron (N	intron (N	-61107	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr8-1232	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	3652	NM_032847	84933	Hs.707401	NM_032847	ENSG00000	C8orf76	-	chromosom	protein-coding
chr9-7737	6.666769	-0.2703	0.894161	-0.30229	0.762431	0.981636	chr9	77370625	77373038	+	0	NA	intron (N	L1PA2|LIN	-75818	NR_121184	1.02E+08	Hs.434324	NR_121184	ENSG00000	GNA14-AS1	-	GNA14 ant	ncRNA
chr1-2726	6.982088	0.265549	0.878574	0.302249	0.762462	0.981636	chr1	27264470	27265083	+	0	NA	intron (N	AluJr|SIN	30144	NM_015023	23038	Hs.469154	NM_015023	ENSG00000	WDTC1	ADP|DCAF9	WD and te	protein-coding
chr16-235	6.982088	0.265549	0.878574	0.302249	0.762462	0.981636	chr16	23531786	23532204	+	0	NA	intron (N	AluSx|SIN	-21501	NM_015044	23062	Hs.460336	NM_015044	ENSG00000	GGA2	VEAR	golgi ass	protein-coding
chr2-1700	6.982088	0.265549	0.878574	0.302249	0.762462	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-106392	NR_045682	140469	Hs.671900	NM_138995	ENSG00000	MYO3B	-	myosin II	protein-coding
chr22-428	6.982088	0.265549	0.878574	0.302249	0.762462	0.981636	chr22	42890237	42891001	+	0	NA	intron (N	AluSx|SIN	-33346	NM_001142	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr5-1495	6.982088	0.265549	0.878574	0.302249	0.762462	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz6|SI	18346	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr4-1187	10.3848	-0.22129	0.732171	-0.30223	0.762475	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	54498	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr1-3202	9.43646	-0.23764	0.786753	-0.30205	0.762613	0.981636	chr1	32022144	32022399	+	0	NA	intron (N	AluSc|SIN	8403	NM_001271	10657	Hs.445893	NM_006559	ENSG00000	KHDRBS1	Sam68|p62	KH RNA bi	protein-coding
chr12-985	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr12	98596157	98604421	+	0	NA	TTS (NR_0	TTS (NR_0	654	NR_003015	677832	Hs.693250	NR_003015	ENSG00000	SNORA53	ACA53	small nuc	snoRNA
chr18-353	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr18	35331853	35340534	+	0	NA	3’ UTR (N	3’ UTR (N	8227	NM_001308	7572	Hs.514802	NM_006965	ENSG00000	ZNF24	KOX17|RSG	zinc fing	protein-coding
chr19-520	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr19	52015322	52025861	+	0	NA	intron (N	MER77B|LT	7788	NM_025040	80110	Hs.292336	NM_025040	ENSG00000	ZNF614	-	zinc fing	protein-coding
chr2-3246	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr2	32466664	32469777	+	0	NA	intron (N	intron (N	-63933	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-3927	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr2	39276275	39279215	+	0	NA	intron (N	AluSq2|SI	-33762	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr9-5776	10.88739	-0.21431	0.709745	-0.30195	0.762687	0.981636	chr9	5776554	5780651	+	0	NA	Intergeni	L1MB7|LIN	54515	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr1-1549	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	L2a|LINE|	-2844	NM_018655	55891	Hs.272399	NM_018655	ENSG00000	LENEP	LEP503	lens epit	protein-coding
chr11-963	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr11	96382019	96382975	+	0	NA	3’ UTR (N	3’ UTR (N	7319	NM_001363	79780	Hs.525088	NM_014148	ENSG00000	CCDC82	HSPC048	coiled-cc	protein-coding
chr16-105	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr16	105570	106321	+	0	NA	intron (N	intron (N	27720	NM_001015	4350	Hs.459596	NM_002434	ENSG00000	MPG	AAG|ADPG|	N-methylp	protein-coding
chr16-132	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr16	1324616	1325161	+	0	NA	3’ UTR (N	3’ UTR (N	-8757	NM_001199	8938	Hs.458427	NM_003933	ENSG00000	BAIAP3	BAP3	BAI1 assc	protein-coding
chr18-947	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr18	9478894	9479414	+	0	NA	intron (N	AluJb|SIN	3641	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIP	ralA binc	protein-coding
chr2-1710	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1MB7|LIN	-32911	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr4-1062	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	A-rich|Lo	-83122	NM_001142	9255	Hs.591680	NM_004757	ENSG00000	AIMP1	EMAP2|EMA	aminoacyl	protein-coding
chr5-6124	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr5	61249173	61250543	+	0	NA	TTS (NR_1	TTS (NR_1	15071	NR_146624	1.05E+08	Hs.621682	NR_146624	ENSG00000	LINC02057	-	long inte	ncRNA
chr5-6941	6.444361	0.273521	0.906217	0.301827	0.762784	0.981636	chr5	69410804	69412195	+	0	NA	intron (N	intron (N	-3617	NM_001244	153562	Hs.657687	NM_144724	ENSG00000	MARVELD2	DFNB49|MA	MARVEL dc	protein-coding
chr7-6600	6.436503	0.275892	0.91506	0.301502	0.763032	0.981636	chr7	6600018	6601131	+	0	NA	intron (N	intron (N	10553	NM_001303	79034	Hs.487511	NM_024067	ENSG00000	C7orf26	-	chromosom	protein-coding
chr7-7474	15.57918	-0.18225	0.604535	-0.30147	0.763055	0.981636	chr7	74746896	74750438	+	0	NA	intron (N	AluSp|SIN	-19749	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr2-2364	10.91882	-0.21938	0.727691	-0.30147	0.763056	0.981636	chr2	23642478	23643677	+	0	NA	intron (N	intron (N	257898	NM_052920	114818	Hs.130593	NM_025067	ENSG00000	KLHL29	KBTBD9	kelch lik	protein-coding
chr1-2143	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	116468	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr10-920	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr10	92019234	92020125	+	0	NA	intron (N	L1MB4|LIN	95909	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-183	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr11	18363342	18364757	+	0	NA	intron (N	AluSq2|SI	-23738	NR_036116	1E+08		NR_036116	ENSG00000	MIR3159	-	microRNA	ncRNA
chr11-128	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	GA-rich|L	43991	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS protc	protein-coding
chr12-507	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr12	50721183	50721610	+	0	NA	exon (NM_	exon (NM_	-42705	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-112	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-52181	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr12-124	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-39464	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr14-241	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr14	24143236	24144480	+	0	NA	promoter-	promoter-	-293	NR_106990	1.02E+08		NR_106990	ENSG00000	MIR7703	hsa-mir-7	microRNA	ncRNA
chr14-747	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr14	74797542	74799248	+	0	NA	exon (NM_	exon (NM_	35079	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr15-349	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr15	34925883	34926890	+	0	NA	intron (N	MIR|SINE|	43356	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr19-583	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr19	58307548	58308003	+	0	NA	intron (N	HERVK3-ir	2401	NR_144445	1.05E+08	Hs.435404	NR_144445	ENSG00000	ERVK3-1	-	endogenou	ncRNA
chr22-328	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr22	32854272	32855228	+	0	NA	intron (N	intron (N	53934	NM_000362	7078	Hs.644633	NM_000362	ENSG00000	TIMP3	HSMRK222|	TIMP meta	protein-coding
chr3-1007	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	23611	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr3-1111	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	ERVL-E-ir	90164	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr4-1750	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr4	17507237	17508335	+	0	NA	intron (N	AluSc|SIN	4304	NM_000320	5860	Hs.75438	NM_000320	ENSG00000	QDPR	DHPR|HDHF	quinoid c	protein-coding
chr6-3029	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr6	30291622	30293215	+	0	NA	non-codin	non-codin	32856	NR_027822	3139	Hs.656020	NR_027822	ENSG00000	HLA-L	HLA-92|HL	major his	pseudo
chr8-3829	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chr8	38293242	38295102	+	0	NA	intron (N	AluJb|SIN	-24940	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTF	phospholi	protein-coding
chrX-3828	7.136083	-0.26077	0.865309	-0.30136	0.763138	0.981636	chrX	3828600	3829727	+	0	NA	non-codin	non-codin	14731	NR_034031	389906	Hs.636199	NM_001045547		LOC389906	-	zinc fing	pseudo
chr12-293	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chr12	29368581	29369892	+	0	NA	intron (N	intron (N	11936	NM_016570	51290	Hs.339453	NM_016570	ENSG00000	ERGIC2	CDA14|Erv	ERGIC anc	protein-coding
chr15-771	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chr15	77175876	77176886	+	0	NA	intron (N	intron (N	49023	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr17-319	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chr17	31940819	31941651	+	0	NA	intron (N	intron (N	4228	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr4-1862	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chr4	1.86E+08	1.86E+08	+	0	NA	intron (N	MLT1B|LTR	-17766	NM_000892	3818	Hs.237642	NM_000892	ENSG00000	KLKB1	KLK3|PKK|	kallikrei	protein-coding
chr6-7895	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chr6	78950550	78950881	+	0	NA	intron (N	L1MEd|LIN	83164	NM_001010	134728	Hs.656212	NM_001010	ENSG00000	IRAK1BP1	AIP70|SIM	interleuk	protein-coding
chrX-5340	6.205312	-0.2832	0.939803	-0.30134	0.763155	0.981636	chrX	53407516	53407853	+	0	NA	intron (N	MER21B|LT	-1919	NR_106916	1.02E+08		NR_106916	ENSG00000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr12-101	3.461044	-0.36647	1.216369	-0.30128	0.763202	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-21232	NM_153694	50511	Hs.506504	NM_153694	ENSG00000	SYCP3	COR1|RPRC	synaptone	protein-coding
chr9-1100	5.402187	0.299224	0.993583	0.301157	0.763295	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-34754	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr17-401	10.42594	-0.21932	0.729334	-0.30072	0.763632	0.981636	chr17	40168841	40172839	+	0	NA	3’ UTR (N	3’ UTR (N	-6170	NM_001303	51195	Hs.632254	NM_016339	ENSG00000	RAPGEFL1	Link-GEFI	Rap guani	protein-coding
chr4-3908	10.42594	-0.21932	0.729334	-0.30072	0.763632	0.981636	chr4	39086357	39087408	+	0	NA	intron (N	intron (N	24650	NM_199039	51088	Hs.272251	NM_015990	ENSG00000	KLHL5	-	kelch lik	protein-coding
chr12-109	5.710574	-0.30354	1.01094	-0.30025	0.763984	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MB7|LIN	18668	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitir	protein-coding
chr20-294	16.10045	0.178921	0.595974	0.300216	0.764012	0.981636	chr20	29473958	29474452	+	0	NA	Intergeni	Intergeni	23129	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr1-2545	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr1	25454556	25456933	+	0	NA	intron (N	intron (N	24847	NM_018202	55219	Hs.189782	NM_018202	ENSG00000	MACO1	MACOILIN|	macoilin	protein-coding
chr1-2200	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz6|SI	10775	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUF	glutamyl-	protein-coding
chr10-121	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr10	12177440	12179053	+	0	NA	intron (N	intron (N	17645	NM_014142	11164	Hs.555956	NM_014142	ENSG00000	NUDT5	YSA1|YSA1	nudix hyc	protein-coding
chr10-619	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr10	61916873	61918201	+	0	NA	intron (N	AluSz6|SI	15838	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-494	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr12	49496173	49497823	+	0	NA	non-codin	non-codin	-42032	NM_001314	23416	Hs.64064	NM_012284	ENSG00000	KCNH3	BEC1|ELK2	potassium	protein-coding
chr12-100	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	26016	NM_001330	55681	Hs.506481	NM_017988	ENSG00000	SCYL2	CVAK104	SCY1 like	protein-coding
chr12-110	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	14394	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr12-131	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	43176	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr14-925	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr14	92593985	92595048	+	0	NA	intron (N	L1MCa|LIN	18282	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr16-577	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr16	57759767	57761083	+	0	NA	intron (N	intron (N	11927	NR_106830	1.02E+08		NR_106830	ENSG00000	MIR6772	hsa-mir-6	microRNA	ncRNA
chr17-188	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr17	18870263	18873349	+	0	NA	intron (N	AluSp|SIN	6337	NM_001243	5636	Hs.632236	NM_002767	ENSG00000	PRPSAP2	PAP41	phosphori	protein-coding
chr17-471	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr17	47131549	47132419	+	0	NA	intron (N	MIRc|SINE	57311	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr18-625	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr18	62570918	62572104	+	0	NA	intron (N	L1M4|LINE	48486	NR_126534	54877	Hs.114191	NM_017742	ENSG00000	ZCCHC2	C18orf49	zinc fing	protein-coding
chr2-2034	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	75244	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr22-176	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr22	17640731	17642084	+	0	NA	intron (N	intron (N	2650	NM_015367	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-3939	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr3	39390063	39392491	+	0	NA	intron (N	LTR16C|LT	7907	NM_017875	54977	Hs.369615	NM_017875	ENSG00000	SLC25A38	SIDBA2	solute ca	protein-coding
chr3-4592	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr3	45928725	45929522	+	0	NA	intron (N	intron (N	-13399	NM_001276	54585	Hs.30824	NM_020347	ENSG00000	LZTFL1	BBS17	leucine z	protein-coding
chr3-9880	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr3	98809420	98810992	+	0	NA	intron (N	intron (N	46899	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr3-1003	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	12644	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr3-1216	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	SVA_D|Ret	-27372	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr4-3182	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr4	3182618	3184478	+	0	NA	intron (N	intron (N	-60821	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr7-3007	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr7	30078844	30080132	+	0	NA	3’ UTR (N	3’ UTR (N	34403	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr7-1399	6.452219	0.271225	0.903461	0.300206	0.76402	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L3|LINE|C	82478	NM_001366	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr12-688	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr12	68813594	68843725	+	0	NA	intron (N	intron (N	19635	NM_001145	4193	Hs.484551	NM_002392	ENSG00000	MDM2	ACTFS|HDM	MDM2 prot	protein-coding
chr15-630	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr15	63070708	63071508	+	0	NA	exon (NM_	exon (NM_	-21721	NR_147233	1.11E+08	Hs.602995	NR_147233		TPM1-AS	TPM1-AS1	TPM1 anti	ncRNA
chr18-273	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr18	2733661	2735757	+	0	NA	intron (N	intron (N	78822	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr2-1890	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	48281	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr22-411	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr22	41177040	41179253	+	0	NA	exon (NM_	exon (NM_	19355	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr3-7306	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr3	73064836	73065561	+	0	NA	intron (N	intron (N	3539	NM_018029	55096	Hs.658858	NM_018029	ENSG00000	EBLN2	EBLN-2	endogenou	protein-coding
chr6-5647	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr6	56478725	56482864	+	0	NA	intron (N	intron (N	-86666	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr8-2537	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr8	25377327	25379403	+	0	NA	intron (N	intron (N	-16853	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr8-1009	10.87954	-0.21306	0.710575	-0.29984	0.7643	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	28862	NM_001135	7534	Hs.492407	NM_003406	ENSG00000	YWHAZ	14-3-3-ze	tyrosine	protein-coding
chrX-7399	6.989946	0.263415	0.878689	0.299782	0.764344	0.981636	chrX	73997112	73998562	+	0	NA	intron (N	intron (N	53513	NR_024582	554203	Hs.648316	NR_024582	ENSG00000	JPX	DCBALD06|	JPX trans	ncRNA
chr10-692	6.715766	-0.2691	0.89774	-0.29975	0.764367	0.981636	chr10	69203348	69204201	+	0	NA	intron (N	AluJb|SIN	-16558	NM_025130	80201	Hs.522988	NM_025130	ENSG00000	HKDC1	-	hexokinas	protein-coding
chr11-689	6.715766	-0.2691	0.89774	-0.29975	0.764367	0.981636	chr11	68912557	68913201	+	0	NA	intron (N	AluSq2|SI	9028	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr4-4126	6.715766	-0.2691	0.89774	-0.29975	0.764367	0.981636	chr4	41267913	41268858	+	0	NA	TTS (NM_0	TTS (NM_0	11457	NM_004181	7345	Hs.518731	NM_004181	ENSG00000	UCHL1	HEL-117|H	ubiquitir	protein-coding
chr6-3732	6.715766	-0.2691	0.89774	-0.29975	0.764367	0.981636	chr6	3732975	3733729	+	0	NA	intron (N	intron (N	18660	NM_183373	221749	Hs.484500	NM_183373	ENSG00000	PXDC1	C6orf145	PX domair	protein-coding
chr1-5474	5.451184	0.29863	0.996341	0.299727	0.764385	0.981636	chr1	54740199	54741330	+	0	NA	intron (N	intron (N	23759	NM_152268	25973	Hs.380169	NM_152268	ENSG00000	PARS2	EIEE75|MI	prolyl-tR	protein-coding
chr1-7778	5.451184	0.29863	0.996341	0.299727	0.764385	0.981636	chr1	77789701	77790568	+	0	NA	intron (N	L1MD2|LIN	10329	NM_001363	374986	Hs.437755	NM_198549	ENSG00000	MIGA1	FAM73A	mitoguarc	protein-coding

chr4-1299	5.451184	0.29863	0.996341	0.299727	0.764385	0.981636	chr4	1299087	1300633	+	0	NA	intron (N	L2a|LINE|	-9583	NM_001297	10296	Hs.139896	NM_005882	ENSG00000	MAEA	EMLP|EMP|	macrophag	protein-coding
chr9-1089	5.451184	0.29863	0.996341	0.299727	0.764385	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	13235	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr1-8564	5.410045	0.296528	0.989771	0.299592	0.764488	0.981636	chr1	85644701	85645691	+	0	NA	Intergeni	L1PA3|LIN	63237	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr14-100	5.410045	0.296528	0.989771	0.299592	0.764488	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-1216	NM_001134	388015	Hs.298602	NM_001134	ENSG00000	RTL1	HUR1|MART	retrotrar	protein-coding
chr2-9408	5.410045	0.296528	0.989771	0.299592	0.764488	0.981636	chr2	9408885	9409869	+	0	NA	intron (N	intron (N	13214	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-2034	5.410045	0.296528	0.989771	0.299592	0.764488	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	83647	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr5-1574	6.428645	0.278402	0.930587	0.299168	0.764812	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	intron (N	MIRb|SINE	-32691	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr1-2175	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (N	L1PA13|LI	82760	NM_001297	55105	Hs.362343	NM_018040	ENSG00000	GPATCH2	CT110|GPA	G-patch c	protein-coding
chr13-955	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr13	95599216	95600160	+	0	NA	intron (N	intron (N	45018	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr15-445	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr15	44521206	44521646	+	0	NA	intron (N	intron (N	15474	NR_034171	645212	Hs.594287	NR_034170		EIF3J-DT	EIF3J-AS1	EIF3J div	ncRNA
chr18-137	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr18	13734613	13735385	+	0	NA	intron (N	intron (N	8326	NM_001308	8731	Hs.592347	NM_003799	ENSG00000	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr2-1134	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA3|LIN	-21779	NM_012184	200350	Hs.591554	NM_012184	ENSG00000	FOXD4L1	FOXD5|bA3	forkhead	protein-coding
chr5-1674	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr5	16748932	16749950	+	0	NA	intron (N	AluSz|SIN	-132383	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr7-9962	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr7	99626518	99627535	+	0	NA	intron (N	L1MC5a|LI	10080	NM_001350	221785	Hs.446297	NM_145115	ENSG00000	ZSCAN25	ZNF498	zinc fing	protein-coding
chr9-1284	6.707908	-0.26717	0.893358	-0.29906	0.764896	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-5592	NM_001003	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr3-1015	11.34099	-0.20849	0.697428	-0.29895	0.76498	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	5633	NM_020357	57092	Hs.732633	NM_020357	ENSG00000	PCNP	-	PEST prot	protein-coding
chr19-373	5.988912	0.287119	0.960504	0.298926	0.764997	0.981636	chr19	37352708	37353253	+	0	NA	intron (N	AluSz|SIN	-18119	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr2-2759	5.988912	0.287119	0.960504	0.298926	0.764997	0.981636	chr2	27594410	27594868	+	0	NA	intron (N	SVA_A|Ret	11597	NM_032434	84450	Hs.529178	NM_032434	ENSG00000	ZNF512	-	zinc fing	protein-coding
chr1-1990	7.094943	-0.26396	0.883073	-0.29891	0.765011	0.981636	chr1	19904291	19905147	+	0	NA	intron (N	intron (N	18898	NM_014589	30814	Hs.272372	NM_014589	ENSG00000	PLA2G2E	GIIE sPLA	phospholi	protein-coding
chr6-1728	5.751713	-0.29975	1.003085	-0.29882	0.765074	0.981636	chr6	17283095	17283512	+	0	NA	intron (N	Tigger19a	602	NM_153020	221662	Hs.519904	NM_153020	ENSG00000	RBM24	RNPC6|dJ2	RNA bindi	protein-coding
chr1-5396	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr1	53967885	53971093	+	0	NA	Intergeni	AluJb|SIN	23139	NM_001256	115353	Hs.40094	NM_052940	ENSG00000	LRRC42	dJ167A19.	leucine r	protein-coding
chr17-534	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr17	5347302	5348485	+	0	NA	intron (N	intron (N	65609	NM_001291	9135	Hs.584784	NM_004703	ENSG00000	RABEP1	RAB5EP|RA	rabaptin,	protein-coding
chr18-576	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr18	57618483	57619941	+	0	NA	intron (N	AluJb|SIN	2624	NM_004539	4677	Hs.465224	NM_004539	ENSG00000	NARS	ASNRS|NAR	asparagin	protein-coding
chr4-1222	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PB1|LIN	45120	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr7-6141	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr7	6141139	6141547	+	0	NA	intron (N	AluSx4|SI	30794	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr8-1794	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr8	17947654	17951363	+	0	NA	intron (N	AluSz|SIN	26520	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr9-9808	7.128225	-0.25893	0.867102	-0.29862	0.765231	0.981636	chr9	98087490	98087831	+	0	NA	exon (NM_	exon (NM_	30928	NM_018946	54187	Hs.522310	NM_018946	ENSG00000	NANS	HEL-S-100	N-acetylr	protein-coding
chr11-690	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr11	69078787	69080031	+	0	NA	intron (N	intron (N	-3767	NR_036122	1E+08		NR_036122	ENSG00000	MIR3164	-	microRNA	ncRNA
chr16-177	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr16	1776029	1777622	+	0	NA	TTS (NM_0	TTS (NM_0	3597	NM_001257	197342	Hs.7247	NM_001010	ENSG00000	EME2	SLX2B|gs1	essential	protein-coding
chr17-537	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr17	5372147	5372462	+	0	NA	intron (N	AluSx3|SI	-47337	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-438	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr17	43829578	43830165	+	0	NA	intron (N	intron (N	3323	NR_148345	4356	Hs.396566	NM_001932	ENSG00000	MPP3	DLG3	membrane	protein-coding
chr2-3648	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr2	36483423	36484189	+	0	NA	intron (N	intron (N	114362	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr20-638	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr20	63891284	63892752	+	0	NA	TTS (NM_1	TTS (NM_1	-3108	NM_025219	80331	Hs.164419	NM_025219	ENSG00000	DNAJC5	CLN4|CLN4	DnaJ heat	protein-coding
chr22-497	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr22	49783414	49785733	+	0	NA	intron (N	CpG	39758	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr4-4885	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr4	48853744	48855510	+	0	NA	intron (N	intron (N	5576	NR_146806	1.01E+08	Hs.661065	NR_146806	ENSG00000	OCIAD1-AS	-	OCIAD1 ar	ncRNA
chr4-1289	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	127506	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr4-1829	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	MIRc|SINE	14181	NM_001351	1635	Hs.183850	NM_001921	ENSG00000	DCTD	-	dCMP dean	protein-coding
chr4-1844	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSc8|SI	-24070	NR_125933	1.03E+08	Hs.432281	NR_125933	ENSG00000	LINC02362	-	long inte	ncRNA
chr7-1469	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr7	1469881	1472008	+	0	NA	exon (NM_	exon (NM_	-11474	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr7-2544	5.95563	0.282579	0.946387	0.298587	0.765255	0.981636	chr7	2544679	2545532	+	0	NA	intron (N	AluSg|SIN	10419	NM_001350	221927	Hs.520623	NM_152743	ENSG00000	BRAT1	BAAT1|C7o	BRCA1 ass	protein-coding
chr1-9232	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr1	92320397	92321041	+	0	NA	intron (N	intron (N	21660	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr12-955	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr12	95508580	95508873	+	0	NA	intron (N	MLT1J-int	34574	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr15-646	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr15	64694369	64695461	+	0	NA	intron (N	intron (N	8366	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr2-1993	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr2	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	149336	NR_134967	23314	Hs.516617	NM_015265	ENSG00000	SATB2	GLSS	SATB home	protein-coding
chr3-1551	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr3	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-73701	NR_125399	1.02E+08	Hs.121410	NR_125399	ENSG00000	LINC01487	-	long inte	ncRNA
chr5-1781	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	6845	NM_017838	55651	Hs.744074	NM_017838	ENSG00000	NHP2	DKCB2|NHP	NHP2 ribo	protein-coding
chr6-6560	6.948807	0.261569	0.878952	0.297591	0.766015	0.981636	chr6	656098	656600	+	0	NA	exon (NM_	exon (NM_	615	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr2-4230	10.37694	-0.21987	0.738862	-0.29759	0.76602	0.981636	chr2	42302577	42303910	+	0	NA	intron (N	intron (N	56795	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-2044	15.56347	-0.18045	0.606575	-0.29749	0.766095	0.981636	chr2	20447960	20449398	+	0	NA	3’ UTR (N	3’ UTR (N	1605	NM_004040	388	Hs.502876	NM_004040	ENSG00000	RHOB	ARH6|ARHB	ras homol	protein-coding
chr17-329	5.906633	0.282984	0.951412	0.297436	0.766133	0.981636	chr17	32933710	32934119	+	0	NA	intron (N	L2b|LINE|	5761	NM_015544	26022	Hs.3447	NM_015544	ENSG00000	TMEM98	TADA1	transmemb	protein-coding
chr19-651	5.906633	0.282984	0.951412	0.297436	0.766133	0.981636	chr19	651094	653148	+	0	NA	intron (N	CpG-12906	11093	NM_194460	55658	Hs.69554	NM_017876	ENSG00000	RNF126	-	ring fing	protein-coding
chr8-1408	5.906633	0.282984	0.951412	0.297436	0.766133	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-88178	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr15-626	6.625629	-0.2734	0.91933	-0.29739	0.76617	0.981636	chr15	62675125	62675498	+	0	NA	exon (NM_	exon (NM_	28000	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr7-3248	6.625629	-0.2734	0.91933	-0.29739	0.76617	0.981636	chr7	32486351	32487211	+	0	NA	non-codin	non-codin	3599	NR_024466	23658	Hs.424908	NM_012322	ENSG00000	LSM5	YER146W	LSM5 homo	protein-coding
chr1-6701	6.658911	-0.26824	0.902961	-0.29706	0.76642	0.981636	chr1	67017899	67018625	+	0	NA	intron (N	intron (N	35886	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr16-468	6.658911	-0.26824	0.902961	-0.29706	0.76642	0.981636	chr16	46805938	46807063	+	0	NA	intron (N	AluSc|SIN	24548	NR_145836	388272	Hs.406551	NM_001001	ENSG00000	C16orf87	-	chromosom	protein-coding
chr7-8736	6.658911	-0.26824	0.902961	-0.29706	0.76642	0.981636	chr7	87361308	87361834	+	0	NA	exon (NM_	exon (NM_	15907	NM_001143	54677	Hs.125039	NM_021151	ENSG00000	CROT	COT	carnitine	protein-coding
chr9-2058	6.658911	-0.26824	0.902961	-0.29706	0.76642	0.981636	chr9	2058250	2058516	+	0	NA	exon (NM_	exon (NM_	36438	NM_001289	6595	Hs.298990	NM_003070	ENSG00000	SMARCA2	BAF190|BR	SWI/SNF r	protein-coding
chr9-1114	6.658911	-0.26824	0.902961	-0.29706	0.76642	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1M5|LINE	21968	NM_001364	23392	Hs.368255	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 pro	protein-coding
chr10-684	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr10	68499204	68499687	+	0	NA	intron (N	intron (N	18773	NM_001324	8034	Hs.180408	NM_152707	ENSG00000	SLC25A16	D10S105E|	solute ca	protein-coding
chr10-101	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	35176	NM_001174	27343	Hs.523230	NM_013274	ENSG00000	POLL	BETAN|POL	DNA polym	protein-coding
chr10-103	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	L1ME3G|LI	26463	NM_024928	79991	Hs.62314	NM_024928	ENSG00000	STN1	AAF-44|AA	STN1 subu	protein-coding
chr12-118	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	MIRb|SINE	17635	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homo	protein-coding
chr17-356	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr17	35696060	35696929	+	0	NA	intron (N	AluSx1|SI	-35145	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr18-927	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr18	9278285	9279659	+	0	NA	intron (N	MIRb|SINE	-55801	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr19-556	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr19	55697751	55699067	+	0	NA	Intergeni	Intergeni	21784	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr5-1600	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	7792	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr6-1080	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	TTS (NM_0	TTS (NM_0	33948	NM_014028	28962	Hs.226780	NM_014028	ENSG00000	OSTM1	GIPN|GL|H	osteoclas	protein-coding
chr6-1600	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-23924	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr9-1299	5.914491	0.280529	0.944682	0.296956	0.7665	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	86449	NM_015033	23048	Hs.189409	NM_015033	ENSG00000	FNBP1	FBP17	formin bi	protein-coding
chr11-494	7.177223	-0.25791	0.868641	-0.29691	0.766532	0.981636	chr11	494696	495380	+	0	NA	exon (NM_	exon (NM_	11730	NM_203384	6050	Hs.530687	NM_002939	ENSG00000	RNH1	RAI|RNH	ribonucle	protein-coding
chr15-636	7.177223	-0.25791	0.868641	-0.29691	0.766532	0.981636	chr15	63693495	63695085	+	0	NA	intron (N	intron (N	-93463	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-895	7.177223	-0.25791	0.868641	-0.29691	0.766532	0.981636	chr16	89580233	89580758	+	0	NA	intron (N	CpG	4737	NM_014427	27132	Hs.461775	NM_014427	ENSG00000	CPNE7	-	copine 7	protein-coding
chr1-1403	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr1	1403588	1404276	+	0	NA	intron (N	AluSx|SIN	3361	NM_017971	55052	Hs.182698	NM_017971	ENSG00000	MRPL20	L20mt|MRP	mitochond	protein-coding
chr1-7033	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr1	70334698	70335305	+	0	NA	intron (N	intron (N	19721	NM_030816	81573	Hs.744989	NM_030816	ENSG00000	ANKRD13C	dJ677H15.	ankyrin r	protein-coding
chr1-2365	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-27633	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 ar	ncRNA
chr11-937	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr11	93755245	93756080	+	0	NA	intron (N	AluSz|SIN	9219	NM_001369	28970	Hs.8360	NM_014039	ENSG00000	C11orf54	PTD012|PT	chromosom	protein-coding
chr12-480	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr12	48047398	48047961	+	0	NA	intron (N	MIR3|SINE	-43203	NM_033150	1280	Hs.408182	NM_001844	ENSG00000	COL2A1	ANFH|AOM|	collagen	protein-coding
chr12-952	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr12	95266130	95268170	+	0	NA	intron (N	intron (N	-41270	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|h	microRNA	ncRNA
chr12-122	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-19305	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr13-772	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr13	77250079	77250907	+	0	NA	intron (N	intron (N	76601	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|P	MYC bindi	protein-coding
chr15-635	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr15	63561227	63561426	+	0	NA	intron (N	MLT1N2|LT	-36061	NM_001367	283807	Hs.631163	NM_203373	ENSG00000	FBXL22	Fbl22	F-box and	protein-coding
chr15-649	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr15	64968502	64969056	+	0	NA	intron (N	intron (N	20691	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr19-527	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr19	52773625	52773973	+	0	NA	intron (N	AluSx3|SI	12992	NM_001321	162966	Hs.696848	NM_198457	ENSG00000	ZNF600	KR-ZNF1	zinc fing	protein-coding
chr2-4694	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr2	46945527	46945905	+	0	NA	intron (N	intron (N	-3861	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-1483	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA16|LI	-301267	NM_015630	26122	Hs.23270	NM_015630	ENSG00000	EPC2	EPC-LIKE	enhancer	protein-coding
chr2-2335	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr2	2.34E+08	2.34E+08	+	0	NA	intron (N	L1MEd|LIN	17387	NM_018218	55230	Hs.96513	NM_018218	ENSG00000	USP40	-	ubiquitin	protein-coding
chr3-3256	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr3	32565612	32566621	+	0	NA	intron (N	AluJb|SIN	4742	NM_016141	51143	Hs.529495	NM_016141	ENSG00000	DYNC1LI1	DLC-A|DNC	dynein cy	protein-coding
chr3-1423	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJb|SIN	-86450	NR_033289	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr3-1968	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSz|SIN	-42777	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr5-3732	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr5	37324767	37327151	+	0	NA	exon (NM_	exon (NM_	45147	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr5-5308	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr5	53085076	53089172	+	0	NA	intron (N	intron (N	22633	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr6-1459	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	L2b|LINE|	19688	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-2720	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr7	2720661	2721245	+	0	NA	intron (N	AluJo|SIN	32751	NM_001321	155185	Hs.42221	NM_133463	ENSG00000	AMZ1	-	archaelys	protein-coding
chr8-4792	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr8	47921741	47923807	+	0	NA	intron (N	Charlie1a	37362	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-7355	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr8	73551512	73552126	+	0	NA	3’ UTR (N	3’ UTR (N	131745	NR_038406	1E+08	Hs.679921	NR_038406	ENSG00000	STAU2-AS1	-	STAU2 ant	ncRNA
chr8-9876	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr8	98766694	98767020	+	0	NA	intron (N	AluSp|SIN	58814	NM_001256	6788	Hs.492333	NM_006281	ENSG00000	STK3	KRS1|MST2	serine/th	protein-coding
chr9-1230	6.70005	-0.26519	0.893245	-0.29689	0.766553	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx|SIN	-13660	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr14-225	10.87168	-0.21179	0.713508	-0.29682	0.766601	0.981636	chr14	22571611	22571974	+	0	NA	intron (N	AluSq2|SI	-14730	NR_146543	1.05E+08		NR_146543	ENSG00000	LINC02332	-	long inte	ncRNA
chr8-1277	10.87168	-0.21179	0.713508	-0.29682	0.766601	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4816	NM_002467	4609	Hs.202453	NM_002467	ENSG00000	MYC	MRTL|MYCC	MYC proto	protein-coding
chr16-183	6.164172	-0.28627	0.964483	-0.29681	0.766609	0.981636	chr16	18335557	18335796	+	0	NA	5’ UTR (N	5’ UTR (N	184	NM_001282	1.01E+08	Hs.636569	NM_001282	ENSG00000	NPIPA8	LCR16a9|N	nuclear p	protein-coding
chr16-700	6.164172	-0.28627	0.964483	-0.29681	0.766609	0.981636	chr16	70017794	70018062	+	0	NA	intron (N	intron (N	-12418	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr1-2242	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MA4|LIN	-30465	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr1-2270	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	61670	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr10-125	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	20583	NM_001321	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-472	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr11	47286910	47287785	+	0	NA	intron (N	AluSg|SIN	-15237	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-860	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr11	86022658	86024190	+	0	NA	intron (N	intron (N	45660	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-126	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	L1MB3|LIN	6821	NM_032795	84881	Hs.150458	NM_032795	ENSG00000	RPUSD4	-	RNA pseud	protein-coding
chr12-111	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-12837	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr15-727	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr15	72774185	72775036	+	0	NA	intron (N	MER5A|DNA	-8225	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr16-251	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr16	25171136	25173313	+	0	NA	intron (N	AluSq2|SI	-23192	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr16-272	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr16	27255198	27256634	+	0	NA	intron (N	intron (N	-12289	NR_037184	400512	Hs.434412	NR_037184	ENSG00000	NSMCE1-DT	-	NSMCE1 di	ncRNA
chr16-317	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr16	31728880	31730225	+	0	NA	intron (N	MSTD|LTR|	16323	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr16-564	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr16	56483376	56484277	+	0	NA	TTS (NM_0	TTS (NM_0	31742	NM_001324	55239	Hs.231883	NM_018233	ENSG00000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr17-634	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr17	63420516	63421340	+	0	NA	exon (NM_	exon (NM_	19339	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr19-498	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr19	49856043	49857796	+	0	NA	non-codin	non-codin	2328	NR_039904	1.01E+08		NR_039904	ENSG00000	MIR4749	mir-4749	microRNA	ncRNA
chr2-2192	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	5360	NM_001039	3300	Hs.77768	NM_006736	ENSG00000	DNAJB2	CMT2T|DSM	DnaJ heat	protein-coding
chr2-2301	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA4|LIN	22593	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr3-7578	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr3	75781879	75783007	+	0	NA	intron (N	intron (N	2559	NM_001324	1E+08	Hs.556877	NM_001128	ENSG00000	ZNF717	OB1|X17|Z	zinc fing	protein-coding
chr4-4126	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr4	41265977	41267353	+	0	NA	intron (N	AluJr4|SI	9737	NM_004181	7345	Hs.518731	NM_004181	ENSG00000	UCHL1	HEL-117|H	ubiquitin	protein-coding
chr4-1836	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJb|SIN	14106	NM_152682	201965	Hs.133337	NM_152682	ENSG00000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr5-7150	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr5	71500533	71501017	+	0	NA	intron (N	intron (N	45124	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr6-1075	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr6	10755284	10756302	+	0	NA	intron (N	AluSz|SIN	7988	NM_030969	81853	Hs.95600	NM_030969	ENSG00000	TMEM14B	-	transmemb	protein-coding

chr6-4304	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr6	43043214	43043747	+	0	NA	exon (NM_	exon (NM_	10465	NM_001168	9820	Hs.520136	NM_014780	ENSG00000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr6-8314	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr6	83142008	83144156	+	0	NA	intron (N	intron (N	50183	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr6-1459	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	AluJr4|SI	29424	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chrX-5353	6.956665	0.259389	0.87398	0.296791	0.766626	0.981636	chrX	53534881	53536547	+	0	NA	intron (N	intron (N	20627	NR_029513	407054		NR_029513	ENSG00000	MIR98	MIRLET7L|	microRNA	ncRNA
chr1-1496	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr1	14961020	14961928	+	0	NA	intron (N	intron (N	15555	NM_001017	23254	Hs.368823	NM_015209	ENSG00000	KAZN	KAZ	kazrin, p	protein-coding
chr1-1937	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr1	19374200	19375063	+	0	NA	intron (N	intron (N	62305	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr16-534	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr16	53480223	53481987	+	0	NA	intron (N	AluSz|SIN	22104	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr2-2576	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr2	25767697	25768860	+	0	NA	intron (N	intron (N	26413	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL trar	protein-coding
chr21-360	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr21	36035380	36036243	+	0	NA	non-codir	non-codir	24553	NM_001007	54093	Hs.606200	NM_017438	ENSG00000	SETD4	C21orf18|	SET domai	protein-coding
chr22-303	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr22	30332771	30333503	+	0	NA	3’ UTR (N	3’ UTR (N	-6196	NM_001204	83874	Hs.655273	NM_031937	ENSG00000	TBC1D10A	EPI64|TBC	TBC1 doma	protein-coding
chr3-1521	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr3	15210944	15214040	+	0	NA	intron (N	MIR3|SINE	6246	NM_014296	23473	Hs.595234	NM_014296	ENSG00000	CAPN7	CALPAIN7|	calpain 7	protein-coding
chr4-1835	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5141	NM_001291	3622	Hs.107153	NM_001564	ENSG00000	ING2	ING1L|p33	inhibitor	protein-coding
chr5-1591	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	33899	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr8-9484	7.169365	-0.25602	0.862668	-0.29678	0.766637	0.981636	chr8	94849475	94853204	+	0	NA	intron (N	intron (N	28049	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr1-6814	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr1	68149503	68150842	+	0	NA	intron (N	intron (N	33438	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-2058	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	4918	NM_173854	254428	Hs.20274	NM_173854	ENSG00000	SLC41A1	MgtE	solute ca	protein-coding
chr11-665	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr11	66519364	66520435	+	0	NA	intron (N	L1ME4a|LI	9264	NM_024649	582	Hs.502915	NM_024649	ENSG00000	BBS1	BBS2L2	Bardet-Bi	protein-coding
chr11-734	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr11	73407786	73411156	+	0	NA	intron (N	intron (N	32803	NM_032871	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr12-120	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	15942	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG00000	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr12-124	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-20921	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr13-770	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr13	77094561	77095509	+	0	NA	intron (N	intron (N	19521	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr16-367	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr16	3673809	3676137	+	0	NA	intron (N	L1MB7|LIN	20269	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribo	protein-coding
chr16-743	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr16	74327156	74329011	+	0	NA	Intergeni	L1MB2|LIN	31269	NM_002811	5713	Hs.440604	NM_002811	ENSG00000	PSMD7	MOV34|P40	proteasom	protein-coding
chr19-409	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr19	4093208	4094956	+	0	NA	intron (N	intron (N	-27183	NM_015898	51341	Hs.591384	NM_015898	ENSG00000	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr2-9686	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr2	96860260	96866408	+	0	NA	intron (N	intron (N	-5318	NM_016466	51239	Hs.709507	NM_016466	ENSG00000	ANKRD39	-	ankyrin r	protein-coding
chr6-3143	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr6	3143062	3144113	+	0	NA	intron (N	intron (N	13957	NM_001310	7280	Hs.654543	NM_001069	ENSG00000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr6-1053	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	MLT1H|LTR	30121	NM_002726	5550	Hs.436564	NM_002726	ENSG00000	PREP	PE|PEP	prolyl en	protein-coding
chrX-1375	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chrX	13756838	13761901	+	0	NA	intron (N	intron (N	24621	NM_003611	8481	Hs.6483	NM_003611	ENSG00000	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chrX-1580	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chrX	15800284	15801276	+	0	NA	intron (N	intron (N	10329	NM_005089	8233	Hs.171909	NM_005089	ENSG00000	ZRSR2	U2AF1-RS2	zinc fing	protein-coding
chrX-6573	6.460076	0.268943	0.906533	0.296673	0.766717	0.981636	chrX	65738460	65741195	+	0	NA	exon (NM_	exon (NM_	72173	NM_002444	4478	Hs.87752	NM_002444	ENSG00000	MSN	HEL70|IMD	moesin	protein-coding
chr17-160	6.940949	0.263859	0.889421	0.296664	0.766723	0.981636	chr17	16042810	16043166	+	0	NA	intron (N	L2-3_Crp|	43164	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-624	6.940949	0.263859	0.889421	0.296664	0.766723	0.981636	chr17	62484416	62484987	+	0	NA	intron (N	intron (N	3588	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr12-144	7.494392	0.253039	0.853566	0.29645	0.766887	0.981636	chr12	14489387	14490212	+	0	NA	intron (N	HERVL-int	-77933	NR_120465	1.02E+08	Hs.131933	NR_120465	ENSG00000	PLBD1-AS1	-	PLBD1 ant	ncRNA
chr5-3729	7.494392	0.253039	0.853566	0.29645	0.766887	0.981636	chr5	37298965	37300104	+	0	NA	exon (NM_	exon (NM_	-50106	NM_023073	65250	Hs.586199	NM_023073	ENSG00000	CPLANE1	C5orf42|F	ciliogene	protein-coding
chr9-1275	7.494392	0.253039	0.853566	0.29645	0.766887	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	48693	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr1-1988	10.92067	-0.21115	0.712962	-0.29616	0.767105	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	L1PA5|LIN	-12670	NR_029626	406995		NR_029626	ENSG00000	MIR181A1	MIR213|MI	microRNA	ncRNA
chr15-727	11.38213	-0.2067	0.698024	-0.29613	0.767133	0.981636	chr15	72754953	72756239	+	0	NA	exon (NM_	exon (NM_	-27239	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr3-1250	11.38213	-0.2067	0.698024	-0.29613	0.767133	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	42283	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr11-779	5.417903	0.293707	0.99358	0.295605	0.767532	0.981636	chr11	77960461	77961064	+	0	NA	intron (N	intron (N	33906	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr1-8880	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr1	88806307	88808072	+	0	NA	intron (N	intron (N	84378	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr1-8993	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr1	89933056	89934661	+	0	NA	exon (NM_	exon (NM_	61108	NR_002830	492303	Hs.550796	NR_002830		GEMIN8P4	-	gem nucle	pseudo
chr10-619	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr10	61925235	61928779	+	0	NA	intron (N	MADE1|DNA	25308	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-919	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr10	91992427	91992937	+	0	NA	intron (N	L1M5|LINE	68912	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-998	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr11	9987335	9988437	+	0	NA	intron (N	L1PA17|LI	148744	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-703	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr11	70374901	70375846	+	0	NA	intron (N	intron (N	-23133	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-687	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr12	68734871	68736794	+	0	NA	intron (N	MER5B|DNA	-10344	NR_149144	55508	Hs.506011	NM_018656	ENSG00000	SLC35E3	BLOV1	solute ca	protein-coding
chr12-122	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-41631	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr13-526	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr13	52658285	52662635	+	0	NA	intron (N	MER20|DNA	7624	NM_001320	10910	Hs.281902	NM_006704	ENSG00000	SUGT1	SGT1	SGT1 homo	protein-coding
chr13-110	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSz6|SI	8550	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr14-954	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr14	95451123	95452108	+	0	NA	intron (N	intron (N	24220	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr14-101	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	9998	NR_003224	767612		NR_003224	ENSG00000	SNORD114-	14q(II-31	small nuc	snoRNA
chr15-285	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr15	28598599	28603749	+	0	NA	Intergeni	Intergeni	-11934	NR_145479	1.01E+08		NR_145479		HERC2P11	-	hect doma	pseudo
chr15-519	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr15	51925395	51926506	+	0	NA	Intergeni	Intergeni	-1830	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr15-651	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr15	65124099	65125588	+	0	NA	intron (N	intron (N	8965	NM_005707	10081	Hs.458596	NM_005707	ENSG00000	PDCD7	ES18|HES1	programme	protein-coding
chr15-672	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr15	67231041	67232627	+	0	NA	exon (NM_	exon (NM_	22827	NM_024666	79719	Hs.254642	NM_024666	ENSG00000	AAGAB	KPPP1|PPK	alpha and	protein-coding
chr15-830	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr15	83039986	83042731	+	0	NA	intron (N	intron (N	25894	NM_001011	53339	Hs.459149	NM_025238	ENSG00000	BTBD1	C15orf1|N	BTB domai	protein-coding
chr16-534	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr16	53486405	53486873	+	0	NA	intron (N	L1MD|LINE	16570	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr17-319	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr17	31971730	31974619	+	0	NA	exon (NM_	exon (NM_	-34209	NM_001321	114659	Hs.514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr17-387	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr17	38765236	38766140	+	0	NA	TTS (NM_0	TTS (NM_0	12947	NR_104194	5691	Hs.82793	NM_002795	ENSG00000	PSMB3	HC10-II	proteasom	protein-coding
chr17-637	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr17	63778617	63779660	+	0	NA	intron (N	intron (N	4949	NM_007372	11325	Hs.702010	NM_007372	ENSG00000	DDX42	DDX42P|RH	DEAD-box	protein-coding
chr18-318	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr18	31872528	31873977	+	0	NA	intron (N	AluSc8|SI	69876	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr18-799	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr18	79969896	79972518	+	0	NA	TTS (NM_0	TTS (NM_0	6564	NM_001136	440498	Hs.191582	NM_001136	ENSG00000	HSBP1L1	-	heat shoc	protein-coding
chr2-2760	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	27607657	27609954	+	0	NA	intron (N	intron (N	-19843	NM_001145	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr2-3259	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	32593494	32594806	+	0	NA	intron (N	intron (N	-19332	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr2-5531	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	55313387	55316142	+	0	NA	intron (N	L1ME3A|LI	32445	NR_027258	344405	Hs.445292	NM_001080	ENSG00000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chr2-1120	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	(TTGG)n|S	35155	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr2-1343	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	85027	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr2-1714	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-9116	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr20-501	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr20	50147823	50148979	+	0	NA	intron (N	intron (N	5322	NM_199129	387521	Hs.744839	NM_199129	ENSG00000	TMEM189	KUA	transmemb	protein-coding
chr21-335	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr21	33526108	33534765	+	0	NA	intron (N	intron (N	11681	NM_000819	2618	Hs.473648	NM_000819	ENSG00000	GART	AIRS|GARS	phosphori	protein-coding
chr21-454	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr21	45478833	45479803	+	0	NA	TTS (NR_1	TTS (NR_1	1052	NR_106873	1.02E+08		NR_106873	ENSG00000	MIR6815	hsa-mir-6	microRNA	ncRNA
chr22-309	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr22	30947041	30947788	+	0	NA	intron (N	intron (N	20873	NM_001303	22880	Hs.555918	NM_014941	ENSG00000	MORC2	CMT2Z|ZCW	MORC fami	protein-coding
chr22-444	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr22	44494617	44497054	+	0	NA	3’ UTR (N	3’ UTR (N	2398	NM_032287	84247	Hs.744991	NM_032287	ENSG00000	RTL6	LDOC1L|Ma	retrotran	protein-coding
chr3-7149	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr3	71492599	71493172	+	0	NA	intron (N	intron (N	49204	NR_031697	1E+08		NR_031697	ENSG00000	MIR1284	MIRN1284|	microRNA	ncRNA
chr3-1247	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	10915	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA
chr3-1496	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	6857	NM_001168	25937	Hs.477921	NM_015472	ENSG00000	WWTR1	TAZ	WW domain	protein-coding
chr3-1605	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	L2c|LINE|	7328	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr4-4837	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr4	483723	486517	+	0	NA	intron (N	AluSc|SIN	-10911	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr4-3206	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr4	3206868	3208097	+	0	NA	intron (N	intron (N	-36887	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr4-4202	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr4	42028798	42030122	+	0	NA	intron (N	intron (N	38930	NM_006345	10463	Hs.479634	NM_006345	ENSG00000	SLC30A9	BILAPES|(	solute ca	protein-coding
chr4-1194	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	Intergeni	Intergeni	-21381	NR_037596	401149	Hs.448518	NR_037596		LINC01061	-	long inte	ncRNA
chr4-1223	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-42895	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr5-7472	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr5	74721396	74725994	+	0	NA	intron (N	intron (N	38462	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamin	protein-coding
chr6-2442	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr6	24422668	24424806	+	0	NA	TTS (NM_0	TTS (NM_0	20801	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-4335	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr6	43353571	43355465	+	0	NA	intron (N	intron (N	15129	NM_014345	24149	Hs.509718	NM_014345	ENSG00000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr6-5689	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr6	56897957	56898822	+	0	NA	intron (N	intron (N	-46473	NM_001144	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-1273	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr6	1.27E+08	1.27E+08	+	0	NA	intron (N	MSTA|LTR|	16264	NM_001139	55862	Hs.486410	NM_018479	ENSG00000	ECHDC1	HEL-S-76|	ethylmalo	protein-coding
chr6-1509	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-59299	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-4790	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr7	4790786	4792131	+	0	NA	non-codir	non-codir	-2819	NR_039800	1.01E+08		NR_039800	ENSG00000	MIR4656	-	microRNA	ncRNA
chr7-2483	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr7	24839017	24839875	+	0	NA	intron (N	intron (N	53175	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORP	oxysterol	protein-coding
chr7-5515	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr7	55150389	55153895	+	0	NA	intron (N	intron (N	36807	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-1356	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	49612	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr7-1397	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluJo|SIN	11273	NM_001166	6916	Hs.520757	NM_001061	ENSG00000	TBXAS1	BDPLT14|C	thromboxa	protein-coding
chr8-1798	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	17985948	17992737	+	0	NA	3’ UTR (N	3’ UTR (N	66354	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr8-4789	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	47897188	47901521	+	0	NA	intron (N	intron (N	60782	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-6060	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	60600720	60605548	+	0	NA	intron (N	intron (N	-75606	NM_017780	55636	Hs.20395	NM_017780	ENSG00000	CHD7	CRG|HH5|I	chromodom	protein-coding
chr8-6729	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	67290981	67292537	+	0	NA	intron (N	intron (N	52022	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|B	ADP ribos	protein-coding
chr8-7394	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	73946218	73947869	+	0	NA	intron (N	AluSg|SIN	24865	NM_001204	6921	Hs.533437	NM_005648	ENSG00000	ELOC	SIII|TCEB	elongin C	protein-coding
chr8-1250	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MB7|LIN	15171	NM_003129	6713	Hs.71465	NM_003129	ENSG00000	SQLE	-	squalene	protein-coding
chr9-3750	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr9	37501088	37503634	+	0	NA	intron (N	L3|LINE|C	16413	NM_022490	64425	Hs.591087	NM_022490	ENSG00000	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr9-8601	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr9	86017020	86017296	+	0	NA	intron (N	intron (N	75629	NM_001321	60560	Hs.436098	NM_021929	ENSG00000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr9-9205	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr9	92052426	92053025	+	0	NA	intron (N	AluSz|SIN	62688	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1132	7.161507	-0.25417	0.86062	-0.29533	0.767742	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MB4|LIN	15477	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chr1-2004	11.37427	-0.2055	0.695848	-0.29532	0.76775	0.981636	chr1	2E+08	2E+08	+	0	NA	exon (NM_	exon (NM_	1624	NM_001281	23528	Hs.59757	NM_012482	ENSG00000	ZNF281	ZBP-99|ZN	zinc fing	protein-coding
chr12-572	11.37427	-0.2055	0.695848	-0.29532	0.76775	0.981636	chr12	57231854	57235131	+	0	NA	intron (N	intron (N	3126	NR_048562	6472	Hs.741179	NM_005412	ENSG00000	SHMT2	GLYA|HEL-	serine hy	protein-coding
chr14-688	11.37427	-0.2055	0.695848	-0.29532	0.76775	0.981636	chr14	68891677	68894777	+	0	NA	intron (N	intron (N	86075	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr4-5428	11.37427	-0.2055	0.695848	-0.29532	0.76775	0.981636	chr4	54284949	54299502	+	0	NA	intron (N	L1PA11|LI	-40667	NR_147160	1.05E+08	Hs.157697	NR_147160		LINC02283	-	long inte	ncRNA
chr18-542	11.39785	-0.20918	0.708466	-0.29526	0.767794	0.981636	chr18	54293970	54294519	+	0	NA	exon (NM_	exon (NM_	24670	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr17-596	10.91282	-0.20991	0.71171	-0.29494	0.768038	0.981636	chr17	59644132	59645621	+	0	NA	intron (N	intron (N	24981	NM_004859	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr19-102	10.91282	-0.20991	0.71171	-0.29494	0.768038	0.981636	chr19	10223898	10224209	+	0	NA	exon (NM_	exon (NM_	-6360	NR_036206	1E+08		NR_036206	ENSG00000	MIR4322	-	microRNA	ncRNA
chr21-345	10.91282	-0.20991	0.71171	-0.29494	0.768038	0.981636	chr21	34522506	34523527	+	0	NA	intron (N	intron (N	1621	NM_001285	1827	Hs.282326	NM_004414	ENSG00000	RCAN1	ADAPT78|(	regulator	protein-coding
chr10-777	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr10	77788962	77789239	+	0	NA	Intergeni	MIR3|SINE	137655	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr15-412	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr15	41241227	41241434	+	0	NA	intron (N	intron (N	10062	NM_007236	11261	Hs.406234	NM_007236	ENSG00000	CHP1	CHP|SLC9A	calcineur	protein-coding
chr15-446	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr15	44636500	44637674	+	0	NA	intron (N	L1ME3D|LI	26575	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-100	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	non-codir	non-codir	4186	NR_135828	1.02E+08	Hs.659224	NR_135827	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-278	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr22	27856140	27858405	+	0	NA	intron (N	Tigger16a	-55516	NM_002430	4330	Hs.268515	NM_002430	ENSG00000	MN1	MGCR|MGCR	MN1 proto	protein-coding
chr9-9588	7.120367	-0.25711	0.872844	-0.29457	0.768323	0.981636	chr9	95883239	95884481	+	0	NA	intron (N	AluSc|SIN	7852	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr1-2465	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	-16871	NR_040002	255654	Hs.407570	NR_040002	ENSG00000	LINC01743	-	long inte	ncRNA
chr11-662	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr11	66264424	66266076	+	0	NA	intron (N	G-rich|Lo	-3389	NM_030981	81876	Hs.300816	NM_030981	ENSG00000	RAB1B	-	RAB1B, me	protein-coding
chr15-773	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr15	77362974	77364107	+	0	NA	intron (N	MER76|LTR	56564	NM_024776	79834	Hs.9587	NM_024776	ENSG00000	PEAK1	SGK269	pseudopod	protein-coding
chr18-593	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr18	59334625	59335552	+	0	NA	intron (N	L1MC4a|LI	-16439	NM_181654	339302	Hs.449884	NM_181654	ENSG00000	CPLX4	CPX-IV|CP	complexin	protein-coding
chr19-181	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr19	18168106	18169906	+	0	NA	intron (N	CpG-14052	-4807	NM_006332	10437	Hs.14623	NM_006332	ENSG00000	IFI30	GILT|IFI-	IFI30 lys	protein-coding
chr19-402	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr19	40241744	40242510	+	0	NA	intron (N	intron (N	-15438	NM_024877	79935	Hs.631603	NM_024877	ENSG00000	CNTD2	CCNP	cyclin N-	protein-coding

chr19-555	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr19	55595356	55597562	+	0	NA	intron (N	L2a|LINE|	3058	NM_032836	84922	Hs.515617	NM_032836	ENSG00000	FIZ1	ZNF798	FLT3 inte	protein-coding
chr20-623	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr20	62340833	62342365	+	0	NA	intron (N	L1M5|LINE	-9042	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr22-298	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr22	29833554	29834439	+	0	NA	intron (N	FLAM_C|SI	4278	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatin	protein-coding
chr4-1360	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr4	13606039	13606892	+	0	NA	intron (N	intron (N	21260	NM_148894	259282	Hs.744935	NM_148894	ENSG00000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr5-3705	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr5	37052938	37054135	+	0	NA	intron (N	MER44A|DN	176767	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr9-1276	6.964522	0.257269	0.874094	0.294327	0.768508	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx1|SI	29982	NR_037473	1.01E+08		NR_037473	ENSG00000	MIR3911	mir-3911	microRNA	ncRNA
chr1-1930	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr1	19302134	19303321	+	0	NA	TTS (NM_0	TTS (NM_0	-6991	NR_037847	1.01E+08		NR_037847		LOC100506	-	uncharact	ncRNA
chr10-104	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	23768	NR_030760	1E+08		NR_030760	ENSG00000	MIR936	MIRN936|h	microRNA	ncRNA
chr11-433	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr11	43397943	43398856	+	0	NA	intron (N	intron (N	39479	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-434	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr11	43474918	43477846	+	0	NA	intron (N	L1MC5|LIN	-83274	NR_031577	1E+08		NR_031577	ENSG00000	MIR670	hsa-mir-6	microRNA	ncRNA
chr13-282	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr13	28281945	28283253	+	0	NA	intron (N	(CACATG)r	-143425	NR_029383	1E+08	Hs.123191	NR_029383		PAN3-AS1	-	PAN3 anti	ncRNA
chr15-988	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr15	98823763	98825176	+	0	NA	intron (N	intron (N	40043	NR_039864	1.01E+08		NR_039864	ENSG00000	MIR4714	-	microRNA	ncRNA
chr16-274	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr16	27474385	27475696	+	0	NA	intron (N	intron (N	-21647	NR_037158	283888	Hs.660935	NR_037158	ENSG00000	IL21R-AS1	-	IL21R anti	ncRNA
chr17-756	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr17	75672748	75673496	+	0	NA	intron (N	intron (N	5784	NM_013260	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTF	SAP30 bin	protein-coding
chr18-768	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr18	76879099	76881953	+	0	NA	intron (N	intron (N	56366	NM_007345	7776	Hs.719137	NM_007345	ENSG00000	ZNF236	ZNF236A|Z	zinc fing	protein-coding
chr19-137	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr19	13738021	13738549	+	0	NA	intron (N	intron (N	6533	NM_001320	81576	Hs.24998	NM_030818	ENSG00000	CCDC130	-	coiled-co	protein-coding
chr20-185	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr20	18551863	18552856	+	0	NA	intron (N	intron (N	-15061	NM_001348	388789	Hs.349092	NM_001348	ENSG00000	SMIM26	LINC00493	small int	protein-coding
chr3-1446	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr3	14465785	14467091	+	0	NA	intron (N	MIRc|SINE	63832	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr3-1423	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	88017	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr4-2337	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr4	2337964	2339058	+	0	NA	intron (N	AluSx1|SI	26303	NM_001172	57732	Hs.292056	NM_020972	ENSG00000	ZFYVE28	LST2|LYST	zinc fing	protein-coding
chr4-5613	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr4	5613777	5615521	+	0	NA	intron (N	intron (N	89493	NR_126517	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr5-1755	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	TTS (NM_0	TTS (NM_0	36054	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr6-9953	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr6	99533437	99535375	+	0	NA	Intergeni	L1MEg|LIN	13412	NM_001195	1E+08	Hs.634506	NM_001195	ENSG00000	TSTD3	-	thiosulfa	protein-coding
chr6-1116	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	MIRb|SINE	68431	NM_153048	2534	Hs.390567	NM_002037	ENSG00000	FYN	SLK|SYN|p	FYN proto	protein-coding
chrX-5341	5.922349	0.278034	0.944729	0.2943	0.768528	0.981636	chrX	53412301	53413380	+	0	NA	intron (N	intron (N	-7075	NR_106916	1.02E+08		NR_106916	ENSG00000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr13-321	7.59754	-0.25118	0.853981	-0.29413	0.768658	0.981636	chr13	32171214	32171895	+	0	NA	intron (N	AluSz6|SI	139780	NM_023037	10129	Hs.507669	NM_023037	ENSG00000	FRY	13CDNA73|	FRY micro	protein-coding
chr1-3924	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr1	39249836	39251196	+	0	NA	intron (N	intron (N	-158557	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1659	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	AluJr|SIN	-1295	NR_037431	1.01E+08		NR_037431	ENSG00000	MIR3658	-	microRNA	ncRNA
chr1-2271	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	158838	NM_001366	8476	Hs.35433	NM_003607	ENSG00000	CDC42BPA	MRCK|MRCK	CDC42 bin	protein-coding
chr10-428	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr10	42816453	42818310	+	0	NA	exon (NM_	exon (NM_	34586	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr11-134	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2170	NR_145790	1.1E+08		NR_145790		SNORD153	-	small nuc	snoRNA
chr12-881	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr12	88179851	88181145	+	0	NA	intron (N	HERVK22-i	38191	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr12-108	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	36722	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr15-419	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr15	41908729	41910530	+	0	NA	intron (N	intron (N	-11788	NR_120332	1.02E+08	Hs.680195	NR_120332		EHD4-AS1	-	EHD4 anti	ncRNA
chr15-525	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr15	52553938	52554782	+	0	NA	intron (N	intron (N	14472	NM_001300	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr16-252	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr16	2528413	2531087	+	0	NA	TTS (NM_0	TTS (NM_0	1658	NM_001048	752014	Hs.433499	NM_001048	ENSG00000	CEMP1	CP-23|CP2	cementum	protein-coding
chr16-183	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr16	18361875	18364214	+	0	NA	intron (N	L1MEg|LIN	-10599	NR_146336	1.1E+08	Hs.636159	NR_146336		PKD1P4-NP	-	PKD1P4-NP	pseudo
chr17-601	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr17	60180110	60182081	+	0	NA	intron (N	AluJb|SIN	31122	NM_000717	762	Hs.89485	NM_000717	ENSG00000	CA4	CAIV|Car4	carbonic	protein-coding
chr19-402	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr19	40281639	40282226	+	0	NA	TTS (NR_0	TTS (NR_0	709	NR_030371	693226		NR_030371	ENSG00000	MIR641	MIRN641|h	microRNA	ncRNA
chr2-2017	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	MIRb|SINE	27946	NM_020919	57679	Hs.471096	NM_020919	ENSG00000	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr20-621	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr20	62133341	62133811	+	0	NA	intron (N	intron (N	9818	NM_002792	5688	Hs.233952	NM_002792	ENSG00000	PSMA7	C6|HEL-S-	proteasom	protein-coding
chr3-1360	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSq2|SI	69414	NM_181897	5523	Hs.518155	NM_002718	ENSG00000	PPP2R3A	PPP2R3|PR	protein p	protein-coding
chr4-2663	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr4	26632748	26634140	+	0	NA	intron (N	Tigger2|D	49360	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr5-1592	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	15058	NM_145049	134510	Hs.591733	NM_145049	ENSG00000	UBLCP1	CPUB1	ubiquitin	protein-coding
chr5-1769	6.418937	0.266994	0.908283	0.293955	0.768792	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-47590	NM_002115	3101	Hs.411695	NM_002115	ENSG00000	HK3	HKIII|HXK	hexokinas	protein-coding
chr5-1754	11.84359	-0.20271	0.689647	-0.29393	0.768813	0.981636	chr5	1.75E+08	1.75E+08	+	0	NA	intron (N	L1M6|LINE	14216	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr3-1490	6.933091	0.266318	0.906304	0.293851	0.768872	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-20395	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr10-701	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr10	70159288	70162160	+	0	NA	intron (N	intron (N	9790	NM_001142	56681	Hs.499960	NM_020150	ENSG00000	SAR1A	SAR1|SARA	secretion	protein-coding
chr11-755	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr11	75566326	75575460	+	0	NA	intron (N	L2b|LINE|	8640	NM_001235	871	Hs.596449	NM_001235	ENSG00000	SERPINH1	AsTP3|CBP	serpin fa	protein-coding
chr16-150	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr16	15021686	15025071	+	0	NA	intron (N	intron (N	-12981	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr19-152	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr19	15261920	15265087	+	0	NA	exon (NM_	exon (NM_	16948	NM_058243	23476	Hs.187763	NM_014299	ENSG00000	BRD4	CAP|HUNK1	bromodoma	protein-coding
chr2-1935	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr2	19350068	19353873	+	0	NA	3’ UTR (N	3’ UTR (N	3541	NR_039914	1.01E+08		NR_039914	ENSG00000	MIR4757	-	microRNA	ncRNA
chr2-2164	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr2	2.16E+08	2.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3057	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr3-9984	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr3	99848127	99851292	+	0	NA	exon (NM_	exon (NM_	-25844	NR_110821	1.02E+08	Hs.741615	NR_110821		HP09053	-	uncharact	ncRNA
chr5-1438	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr5	14385036	14398256	+	0	NA	intron (N	intron (N	-72337	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1508	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	7451	NM_001172	91975	Hs.134885	NM_052860	ENSG00000	ZNF300	-	zinc fing	protein-coding
chr9-7027	11.36642	-0.2043	0.695633	-0.29369	0.768998	0.981636	chr9	70278413	70285197	+	0	NA	intron (N	intron (N	22827	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr14-346	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr14	34622761	34623439	+	0	NA	intron (N	L2c|LINE|	7048	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting r	protein-coding
chr15-589	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr15	58906812	58907312	+	0	NA	intron (N	MIRc|SINE	26617	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr22-415	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr22	41585987	41586690	+	0	NA	intron (N	intron (N	3502	NM_002676	5372	Hs.75835	NM_002676	ENSG00000	PMM1	PMM 1|PMM	phosphoma	protein-coding
chr6-8978	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr6	89787491	89787857	+	0	NA	intron (N	intron (N	32120	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr6-1548	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-37615	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr8-1237	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	8833	NM_144963	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr8-1407	6.411079	0.269296	0.917154	0.293621	0.769047	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	12478	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr11-108	7.461111	0.249217	0.849458	0.293384	0.769229	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MC4a|LI	48830	NM_003478	8065	Hs.440320	NM_003478	ENSG00000	CUL5	CUL-5|VAC	cullin 5	protein-coding
chr22-243	7.461111	0.249217	0.849458	0.293384	0.769229	0.981636	chr22	24347265	24348895	+	0	NA	intron (N	intron (N	5972	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr6-3196	7.461111	0.249217	0.849458	0.293384	0.769229	0.981636	chr6	31969296	31969796	+	0	NA	TTS (NM_0	TTS (NM_0	-1629	NR_026717	8859	Hs.654371	NM_004197	ENSG00000	STK19	D6S60|D6S	serine/th	protein-coding
chr9-1287	7.461111	0.249217	0.849458	0.293384	0.769229	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	8787	NM_018201	54662	Hs.3376	NM_018201	ENSG00000	TBC1D13	-	TBC1 doma	protein-coding
chr12-269	10.45922	-0.21586	0.735987	-0.2933	0.769294	0.981636	chr12	26902570	26904669	+	0	NA	Intergeni	L1PA7|LIN	34362	NM_018164	55726	Hs.505077	NM_018164	ENSG00000	INTS13	ASUN|C12o	integrato	protein-coding
chr10-925	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr10	92501325	92502865	+	0	NA	intron (N	AluJo|SIN	-4334	NM_001165	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr11-666	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr11	66660626	66661611	+	0	NA	intron (N	intron (N	16769	NM_031492	83759	Hs.618713	NM_031492	ENSG00000	RBM4B	RBM30|RBM	RNA bindi	protein-coding
chr12-768	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr12	76822776	76823733	+	0	NA	intron (N	intron (N	55765	NM_001321	1466	Hs.530904	NM_001321	ENSG00000	CSRP2	CRP2|LMO5	cysteine	protein-coding
chr15-407	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr15	40741961	40742575	+	0	NA	intron (N	AluJo|SIN	12986	NM_018145	55177	Hs.511067	NM_018145	ENSG00000	RMDN3	FAM82A2|F	regulator	protein-coding
chr15-725	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr15	72539927	72541122	+	0	NA	intron (N	intron (N	-46693	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr17-423	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr17	4238616	4241267	+	0	NA	intron (N	intron (N	23906	NM_001257	51479	Hs.696087	NM_016376	ENSG00000	ANKFY1	ANKHZN|BT	ankyrin r	protein-coding
chr18-566	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr18	56625616	56626022	+	0	NA	intron (N	intron (N	12773	NR_024546	9352	Hs.114412	NM_004786	ENSG00000	TXNL1	HEL-S-114	thioredox	protein-coding
chr19-506	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr19	5061624	5062329	+	0	NA	intron (N	intron (N	92863	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-2310	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	Tigger1|D	16403	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr6-1260	6.692192	-0.26314	0.897404	-0.29323	0.769348	0.981636	chr6	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	27030	NM_001031	60487	Hs.404186	NM_021820	ENSG00000	TRMT11	C6orf75|M	tRNA meth	protein-coding
chr10-119	10.90496	-0.20865	0.712541	-0.29283	0.769656	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-8224	NR_002917	641451	Hs.688653	NR_002917	ENSG00000	SNORA19	ACA19	small nuc	snoRNA
chr1-1088	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1M4a1|LI	54494	NM_152763	254268	Hs.729441	NM_152763	ENSG00000	AKNAD1	C1orf62	AKNA doma	protein-coding
chr1-1116	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJb|SIN	34731	NM_001370	5906	Hs.190334	NM_002884	ENSG00000	RAP1A	C21KG|G-2	RAP1A, me	protein-coding
chr1-1144	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	83760	NM_033020	51592	Hs.26837	NM_015906	ENSG00000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr1-1147	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	10778	NM_001242	7812	Hs.69855	NM_007158	ENSG00000	CSDE1	D1S155E|U	cold shoc	protein-coding
chr1-1930	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	L1ME4a|LI	11698	NR_135615	1.07E+08		NR_135615	ENSG00000	SCARNA18B	-	small Caj	ncRNA
chr1-2038	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	13985	NM_001174	1E+08		NM_001174	ENSG00000	ZBED6	MGR	zinc fing	protein-coding
chr10-691	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr10	69187008	69189414	+	0	NA	intron (N	intron (N	7977	NM_001323	6832	Hs.106469	NM_003171	ENSG00000	SUPV3L1	SUV3	Suv3 like	protein-coding
chr10-974	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr10	97451036	97458345	+	0	NA	intron (N	intron (N	8515	NM_198046	84287	Hs.76662	NM_032327	ENSG00000	ZDHHC16	APH2|DHHC	zinc fing	protein-coding
chr10-102	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	32802	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr10-119	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	THE1B|LTR	56033	NR_039829	1.01E+08		NR_039829	ENSG00000	MIR4681	-	microRNA	ncRNA
chr10-123	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr10	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	8948	NM_004725	9184	Hs.418533	NM_004725	ENSG00000	BUB3	BUB3L|hBU	BUB3 mito	protein-coding
chr11-467	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr11	46756496	46759856	+	0	NA	intron (N	L2a|LINE|	4323	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr12-105	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	35329	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr12-110	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx|SIN	6628	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr15-250	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr15	25041229	25046099	+	0	NA	intron (N	L1MB7|LIN	1690	NR_001295	338428		NR_001295	ENSG00000	SNORD109A	HBII-438A	small nuc	snoRNA
chr15-281	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr15	28195529	28196054	+	0	NA	intron (N	L1MB4|LIN	-96476	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr15-297	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr15	29796465	29799818	+	0	NA	intron (N	AluSx1|SI	22533	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr15-417	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr15	41765486	41765926	+	0	NA	intron (N	intron (N	-8778	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr15-735	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr15	73588833	73589732	+	0	NA	intron (N	AluJb|SIN	-19739	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr16-717	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr16	71773247	71774593	+	0	NA	intron (N	AluSx4|SI	-15433	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr16-746	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr16	74662756	74664819	+	0	NA	intron (N	intron (N	3090	NM_018124	55159	Hs.567525	NM_018124	ENSG00000	RFWD3	FANCW|RNF	ring fing	protein-coding
chr16-899	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr16	89992616	89994295	+	0	NA	intron (N	intron (N	16666	NM_024043	79007	Hs.301394	NM_024043	ENSG00000	DBNDD1	-	dysbindin	protein-coding
chr17-307	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr17	30755524	30758526	+	0	NA	intron (N	AluSx1|SI	47417	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr17-480	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr17	48072157	48073792	+	0	NA	intron (N	AluSz6|SI	24615	NM_003204	4779	Hs.514284	NM_003204	ENSG00000	NFE2L1	LCR-F1|NF	nuclear f	protein-coding
chr17-620	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr17	62004328	62005839	+	0	NA	intron (N	AluSx|SIN	60195	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr18-871	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr18	8714203	8716400	+	0	NA	Intergeni	Intergeni	-2080	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr18-622	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr18	62227547	62231895	+	0	NA	intron (N	L2c|LINE|	42466	NR_144412	57614	Hs.465323	NM_020854	ENSG00000	RELCH	HsT3308|H	RAB11 bin	protein-coding
chr2-9626	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr2	9626543	9629169	+	0	NA	intron (N	intron (N	3141	NM_006826	10971	Hs.74405	NM_006826	ENSG00000	YWHAQ	14-3-3|1C	tyrosine	protein-coding
chr2-5466	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr2	54667804	54669493	+	0	NA	3’ UTR (N	3’ UTR (N	-56364	NM_001039	400954	Hs.656692	NM_001039	ENSG00000	EML6	-	EMAP like	protein-coding
chr2-1273	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-12783	NM_000122	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr2-1514	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	12668	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr2-1592	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	Tigger3a|	18853	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr22-409	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr22	40956107	40957692	+	0	NA	intron (N	AluY|SINE	5521	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr3-3340	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr3	33403751	33405676	+	0	NA	intron (N	Charlie2b	35665	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr3-1414	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	15828	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr4-4885	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr4	48857256	48858677	+	0	NA	intron (N	AluSz6|SI	2237	NR_146806	1.01E+08	Hs.661065	NR_146806	ENSG00000	OCIAD1-AS	-	OCIAD1 an	ncRNA
chr4-7706	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr4	77060883	77067296	+	0	NA	intron (N	AluSq2|SI	10821	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr4-8346	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr4	83460522	83464986	+	0	NA	TTS (NM_0	TTS (NM_0	6696	NM_016067	51023	Hs.334772	NM_016067	ENSG00000	MRPS18C	CGI-134|M	mitochond	protein-coding
chr4-1412	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	5484	NM_014487	27309	Hs.120766	NM_014487	ENSG00000	ZNF330	HSA6591|N	zinc fing	protein-coding
chr5-3235	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr5	32359742	32364508	+	0	NA	intron (N	intron (N	32350	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-6911	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr5	69113416	69114414	+	0	NA	intron (N	intron (N	19901	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-1421	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	LTR24C|LT	39149	NM_030571	80762	Hs.9788	NM_030571	ENSG00000	NDFIP1	N4WBP5	Nedd4 fam	protein-coding
chr5-1517	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-17522	NR_132345	1.01E+08	Hs.587054	NM_001278082		LOC100652	-	uncharact	ncRNA

chr5-1772	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	L1MB1|LIN	80830	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-2665	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr6	26650007	26657576	+	0	NA	intron (N	L1MC4|LIN	5955	NM_024639	79692	Hs.126280	NM_024639	ENSG00000	ZNF322	HCG12|ZNF	zinc fing	protein-coding
chr7-4729	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr7	47292265	47297711	+	0	NA	intron (N	intron (N	169815	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-5518	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr7	55182575	55184265	+	0	NA	intron (N	MLT1C|LTR	5529	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-1301	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L1MB8|LIN	7432	NM_032842	84928	Hs.267245	NM_032842	ENSG00000	TMEM209	NET31	transmemb	protein-coding
chr8-9624	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr8	96241681	96245487	+	0	NA	intron (N	intron (N	-7950	NM_006294	7381	Hs.131255	NM_006294	ENSG00000	UQCRB	MC3DN3|QC	ubiquinol	protein-coding
chr9-2691	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr9	26916566	26918738	+	0	NA	intron (N	L2a|LINE|	-24824	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr9-1110	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	32964	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr9-1360	7.153649	-0.25232	0.8624	-0.29258	0.769843	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MEc|LIN	55374	NM_144653	138151	Hs.112895	NM_144653	ENSG00000	NACC2	BEND9|BTE	NACC fami	protein-coding
chr1-1123	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr1	11235245	11236867	+	0	NA	intron (N	L2a|LINE|	26495	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAP	mechanist	protein-coding
chr1-2549	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr1	25496603	25498384	+	0	NA	intron (N	intron (N	-46092	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr1-5140	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr1	51400982	51405871	+	0	NA	exon (NM_	exon (NM_	18669	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr10-725	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr10	72560086	72560671	+	0	NA	intron (N	intron (N	-36392	NM_001195	10367	Hs.524367	NM_006077	ENSG00000	MICU1	CALC|CBAF	mitochond	protein-coding
chr10-127	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	86067	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr10-127	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	MER1B|DNA	-52416	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr11-949	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr11	9499922	9502938	+	0	NA	intron (N	intron (N	40418	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr12-770	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr12	77029853	77031246	+	0	NA	intron (N	intron (N	35020	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr12-109	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	16579	NM_032300	84260	Hs.410924	NM_032300	ENSG00000	TCHP	TpMs	trichople	protein-coding
chr12-112	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-101386	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-417	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr13	41748148	41750232	+	0	NA	intron (N	L1PA4|LIN	-180795	NR_049803	1.01E+08		NR_049803	ENSG00000	MIR5006	-	microRNA	ncRNA
chr13-110	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	13264	NM_018210	55739	Hs.408324	NM_018210	ENSG00000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr14-730	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr14	73074709	73075570	+	0	NA	intron (N	FAM|SINE|	16605	NM_021239	58517	Hs.531106	NM_021239	ENSG00000	RBM25	NET52|RED	RNA bindi	protein-coding
chr15-443	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr15	44347055	44348809	+	0	NA	intron (N	L1MA3|LIN	59213	NR_157849	113201	Hs.512867	NM_138423	ENSG00000	CASC4	H63	cancer su	protein-coding
chr16-351	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr16	3518991	3520820	+	0	NA	exon (NM_	exon (NM_	10011	NM_024793	23059	Hs.155995	NM_015041	ENSG00000	CLUAP1	CFAP22|FA	clusterin	protein-coding
chr16-358	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr16	3583205	3584736	+	0	NA	intron (N	AluJo|SIN	-6567	NR_075083	197358	Hs.592091	NM_178844	ENSG00000	NLRC3	CLR16.2|N	NLR famil	protein-coding
chr16-252	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr16	25252948	25253759	+	0	NA	intron (N	MER102a|D	4492	NM_001012	342357	Hs.513451	NM_001012	ENSG00000	ZKSCAN2	ZNF694|ZS	zinc fing	protein-coding
chr17-264	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr17	2642417	2643972	+	0	NA	intron (N	AluJo|SIN	49540	NM_000430	5048	Hs.77318	NM_000430	ENSG00000	PAFAH1B1	LIS1|LIS2	platelet	protein-coding
chr17-662	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr17	6620217	6623159	+	0	NA	intron (N	intron (N	19023	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr19-110	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr19	11000534	11001136	+	0	NA	intron (N	AluSx4|SI	16683	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-161	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr19	16128244	16134019	+	0	NA	intron (N	AluJo|SIN	-2897	NM_032855	84941	Hs.631617	NM_032855	ENSG00000	HSH2D	ALX|HSH2	hematopoi	protein-coding
chr2-3873	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr2	38732054	38734568	+	0	NA	intron (N	Charlie10	18050	NM_001031	6432	Hs.309090	NM_006276	ENSG00000	SRSF7	9G8|AAG3|	serine ar	protein-coding
chr2-2004	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	87379	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr2-2350	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-11889	NM_001371306								
chr21-463	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr21	46366018	46367815	+	0	NA	exon (NM_	exon (NM_	42249	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr22-216	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr22	21611080	21612980	+	0	NA	intron (N	intron (N	17992	NR_163925								
chr22-311	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr22	31186489	31187731	+	0	NA	non-codir	non-codir	-25188	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr22-453	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr22	45338756	45340964	+	0	NA	intron (N	intron (N	21417	NM_001349	55007	Hs.265018	NM_017911	ENSG00000	FAM118A	C22orf8	family wi	protein-coding
chr3-1627	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr3	16271631	16272307	+	0	NA	intron (N	intron (N	6757	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr3-4359	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr3	43591159	43594059	+	0	NA	intron (N	L1PA5|LIN	29317	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr3-1726	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	-38709	NR_146714	1.05E+08	Hs.186269	NR_146714	ENSG00000	LINC02068	-	long inte	ncRNA
chr5-1135	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	L1PA11|LI	58840	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-3211	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr6	32117482	32119482	+	0	NA	intron (N	AluSx3|SI	-9144	NM_001365	7148	Hs.485104	NM_019105	ENSG00000	TNXB	EDS3|EDSC	tenascin	protein-coding
chr7-9678	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr7	967829	970292	+	0	NA	3’ UTR (N	3’ UTR (N	6489	NM_001031	90639	Hs.121593	NM_001031	ENSG00000	COX19	-	cytochrom	protein-coding
chr7-1298	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	82018	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr8-2874	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr8	28741200	28743320	+	0	NA	intron (N	MER63D|DN	40759	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr8-7013	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr8	70137675	70138362	+	0	NA	intron (N	intron (N	-66766	NM_024504	63978	Hs.736037	NM_024504	ENSG00000	PRDM14	PFM11	PR/SET dc	protein-coding
chr8-9958	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr8	99584099	99585597	+	0	NA	intron (N	L2a|LINE|	-47987	NR_030596	1E+08		NR_030596	ENSG00000	MIR875	MIRN875|h	microRNA	ncRNA
chr8-1448	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	Kanga1d|D	2973	NM_001349	7553	Hs.493218	NM_003416	ENSG00000	ZNF7	HF.16|KOX	zinc fing	protein-coding
chr9-1248	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MEg|LIN	30490	NM_030978	81873	Hs.132499	NM_030978	ENSG00000	ARPC5L	ARC16-2	actin rel	protein-coding
chr9-1249	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSg|SIN	3731	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chr9-1315	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	TTS (NM_0	TTS (NM_0	7497	NM_031432	83549	Hs.9597	NM_031432	ENSG00000	UCK1	URK1	uridine-c	protein-coding
chr9-1362	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-9082	NM_178138	8022	Hs.148427	NM_014564	ENSG00000	LHX3	CPHD3|LIM	LIM homeo	protein-coding
chrX-7156	6.426795	0.264715	0.905517	0.292336	0.770029	0.981636	chrX	71561140	71563121	+	0	NA	intron (N	intron (N	-15894	NM_052957	93953	Hs.135167	NM_052957	ENSG00000	GCNA	ACRC|NAAR	germ cell	protein-coding
chr2-9792	7.445395	0.253562	0.868196	0.292056	0.770243	0.981636	chr2	97920511	97920798	+	0	NA	intron (N	MADE2|DNA	75294	NM_015348	23505	Hs.469376	NM_015348	ENSG00000	TMEM131	CC28|PRO1	transmemb	protein-coding
chr3-1722	7.445395	0.253562	0.868196	0.292056	0.770243	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	148923	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr10-701	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr10	70119740	70120686	+	0	NA	intron (N	intron (N	12612	NM_032797	84883	Hs.650680	NM_032797	ENSG00000	AIFM2	AMID|PRG3	apoptosis	protein-coding
chr15-755	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr15	75506626	75507861	+	0	NA	intron (N	AluSq2|SI	-51428	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr17-182	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr17	18273379	18274803	+	0	NA	3’ UTR (N	3’ UTR (N	12981	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochond	protein-coding
chr17-375	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr17	37558744	37559685	+	0	NA	intron (N	intron (N	50204	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr19-171	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr19	17180590	17181882	+	0	NA	intron (N	intron (N	-34121	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr22-185	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr22	18538559	18541647	+	0	NA	intron (N	intron (N	8725	NR_003563	728233	Hs.592456	NR_003563	ENSG00000	PI4KAP1	-	phosphati	pseudo
chr3-1573	7.468968	0.247205	0.847337	0.291743	0.770483	0.981636	chr3	15737695	15739435	+	0	NA	intron (N	MER11B|LT	17982	NM_001195	23243	Hs.335239	NM_015199	ENSG00000	ANKRD28	PITK|PPP1	ankyrin r	protein-coding
chr17-296	5.963488	0.279932	0.960333	0.291494	0.770673	0.981636	chr17	29659581	29660425	+	0	NA	intron (N	AluSc5|SI	-38580	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr18-769	5.963488	0.279932	0.960333	0.291494	0.770673	0.981636	chr18	76938293	76939692	+	0	NA	intron (N	intron (N	78063	NM_001025	4155	Hs.551713	NM_002385	ENSG00000	MBP	-	myelin ba	protein-coding
chr5-1415	5.963488	0.279932	0.960333	0.291494	0.770673	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	21023	NR_038333	1.01E+08	Hs.655458	NR_038333	ENSG00000	LOC100505	-	uncharact	ncRNA
chr8-1063	5.963488	0.279932	0.960333	0.291494	0.770673	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA14|LI	52137	NM_001198	55074	Hs.127286	NM_018002	ENSG00000	OXR1	Nbla00307	oxidation	protein-coding
chr1-2710	6.403221	0.271682	0.932727	0.291278	0.770839	0.981636	chr1	27105472	27105815	+	0	NA	intron (N	intron (N	49482	NR_046474	6548	Hs.469116	NM_003047	ENSG00000	SLC9A1	APNH|LIKN	solute ca	protein-coding
chr19-365	6.467934	0.266618	0.915402	0.291258	0.770854	0.981636	chr19	36565510	36566614	+	0	NA	intron (N	MER77|LTR	-7008	NR_110703	1.02E+08	Hs.515376	NR_110703	ENSG00000	ZNF529-AS	-	ZNF529 an	ncRNA
chr6-1329	6.467934	0.266618	0.915402	0.291258	0.770854	0.981636	chr6	13292911	13294620	+	0	NA	intron (N	AluSq|SIN	1821	NR_160971	1E+08	Hs.484678	NM_001242698		LOC100130	-	uncharact	ncRNA
chr7-2314	6.467934	0.266618	0.915402	0.291258	0.770854	0.981636	chr7	23141420	23142228	+	0	NA	intron (N	AluY|SINE	35163	NM_018846	55975	Hs.654817	NM_018846	ENSG00000	KLHL7	CISS3|KLH	kelch lik	protein-coding
chr14-528	11.35856	-0.20309	0.697382	-0.29122	0.770881	0.981636	chr14	52879906	52881658	+	0	NA	intron (N	intron (N	70268	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr15-348	11.35856	-0.20309	0.697382	-0.29122	0.770881	0.981636	chr15	34892551	34894543	+	0	NA	intron (N	LTR10B2|L	76195	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr3-1571	11.35856	-0.20309	0.697382	-0.29122	0.770881	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	8966	NM_001308	57018	Hs.4859	NM_020307	ENSG00000	CCNL1	ANIA6A|BM	cyclin L1	protein-coding
chr14-710	15.63789	-0.17689	0.608391	-0.29075	0.77124	0.981636	chr14	71019251	71020766	+	0	NA	intron (N	L1PA7|LIN	112549	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr12-131	7.628971	-0.25961	0.892908	-0.29075	0.771242	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	16114	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr1-2779	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr1	27798326	27800050	+	0	NA	intron (N	intron (N	25969	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr10-121	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr10	12120349	12121323	+	0	NA	exon (NM_	exon (NM_	-8805	NR_024576	55176	Hs.112955	NM_018144	ENSG00000	SEC61A2	-	SEC61 tra	protein-coding
chr11-776	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr11	77680187	77680622	+	0	NA	intron (N	AluJo|SIN	-42598	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr12-120	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	1866	NM_016399	51499	Hs.69499	NM_016399	ENSG00000	TRIAP1	HSPC132|M	TP53 regu	protein-coding
chr16-193	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr16	1938031	1938998	+	0	NA	3’ UTR (N	3’ UTR (N	4812	NM_016332	51734	Hs.655346	NM_016332	ENSG00000	MSRB1	HSPC270|S	methionin	protein-coding
chr16-703	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr16	70367166	70367924	+	0	NA	intron (N	intron (N	20642	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr2-1005	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	6789	NM_024065	79031	Hs.469459	NM_024065	ENSG00000	PDCL3	HTPHLP|PH	phosducin	protein-coding
chr2-2017	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	32089	NM_020919	57679	Hs.471096	NM_020919	ENSG00000	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr2-2302	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	5776	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr22-179	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr22	17904719	17906709	+	0	NA	intron (N	intron (N	1172	NM_001122	57553	Hs.528024	NM_015241	ENSG00000	MICAL3	MICAL-3	microtubu	protein-coding
chr4-1406	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-26144	NR_077215	644962	Hs.676500	NR_077215		TNRC18P1	-	trinucleo	pseudo
chr6-1006	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-163423	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr9-9653	6.923383	0.255444	0.878593	0.290742	0.771249	0.981636	chr9	96538261	96539627	+	0	NA	intron (N	L1MA9|LIN	27887	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr10-880	7.622963	-0.24468	0.842416	-0.29045	0.771475	0.981636	chr10	880217	882080	+	0	NA	intron (N	intron (N	50557	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr11-621	7.622963	-0.24468	0.842416	-0.29045	0.771475	0.981636	chr11	62129769	62130957	+	0	NA	exon (NM_	exon (NM_	6352	NM_001040	3619	Hs.142179	NM_020238	ENSG00000	INCENP	-	inner cen	protein-coding
chr6-1384	7.622963	-0.24468	0.842416	-0.29045	0.771475	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSx1|SI	8416	NM_014320	23593	Hs.486589	NM_014320	ENSG00000	HEBP2	C6ORF34B|	heme bind	protein-coding
chr8-1057	7.622963	-0.24468	0.842416	-0.29045	0.771475	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	L2c|LINE|	262836	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr17-759	5.459042	0.295492	1.017898	0.290296	0.77159	0.981636	chr17	75925105	75926162	+	0	NA	intron (N	intron (N	12599	NM_001319	85302	Hs.720068	NM_001080	ENSG00000	FBF1	Alb|FBF-1	Fas bindi	protein-coding
chr12-122	6.651053	-0.26607	0.916693	-0.29026	0.771621	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	HAL1b|LIN	-33879	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A cc	protein-coding
chr2-2011	6.651053	-0.26607	0.916693	-0.29026	0.771621	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSx1|SI	2240	NR_040030	65072	Hs.664613	NR_040030	ENSG00000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr8-1280	6.651053	-0.26607	0.916693	-0.29026	0.771621	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	1337	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr1-2202	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-27546	NR_002994	677818	Hs.730572	NR_002994	ENSG00000	SNORA36B	ACA36b	small nuc	snoRNA
chr1-2242	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L2|LINE|L	-25713	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr19-105	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr19	10548639	10549338	+	0	NA	non-codir	non-codir	-3134	NR_031603	1E+08		NR_031603	ENSG00000	MIR1238	MIRN1238|	microRNA	ncRNA
chr3-3305	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr3	33052871	33054608	+	0	NA	intron (N	MLT1A0|LT	43093	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr5-9556	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr5	95566420	95567732	+	0	NA	intron (N	MIRc|SINE	11975	NM_198150	153642	Hs.585051	NM_198150	ENSG00000	ARSK	TSULF	arylsulfa	protein-coding
chr5-1316	6.97238	0.25516	0.879295	0.290187	0.771673	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-63205	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr1-6228	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr1	6228620	6231618	+	0	NA	intron (N	AluSz6|SI	5845	NM_012405	23463	Hs.515688	NM_012405	ENSG00000	ICMT	HSTE14|MS	isoprenyl	protein-coding
chr1-3127	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr1	31276061	31276812	+	0	NA	intron (N	intron (N	20352	NM_004814	9410	Hs.33962	NM_004814	ENSG00000	SNRNP40	40K|HPRP8	small nuc	protein-coding
chr1-1557	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-27894	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr10-108	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr10	1083861	1089199	+	0	NA	intron (N	intron (N	-29826	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenten	protein-coding
chr11-459	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr11	45959874	45960528	+	0	NA	intron (N	L1MB5|LIN	37545	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr11-472	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr11	47288595	47290916	+	0	NA	intron (N	intron (N	-17645	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr12-950	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr12	95046459	95049024	+	0	NA	intron (N	intron (N	25877	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr12-962	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr12	96204667	96205866	+	0	NA	intron (N	intron (N	10891	NM_005230	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-122	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSc8|SI	4612	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A cc	protein-coding
chr13-322	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr13	32214005	32216035	+	0	NA	intron (N	intron (N	96934	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-952	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr13	95290207	95293128	+	0	NA	intron (N	intron (N	9779	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MO	ATP bindi	protein-coding
chr13-102	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	28347	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr14-100	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-710	NR_003207	767592		NR_003207	ENSG00000	SNORD114-	14q(II-14	small nuc	snoRNA
chr14-102	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MB3|LIN	40027	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-405	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	40553219	40554766	+	0	NA	exon (NM_	exon (NM_	11050	NM_001080	90416	Hs.654661	NM_052849	ENSG00000	CCDC32	C15orf57	coiled-cc	protein-coding
chr15-509	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	50954433	50955755	+	0	NA	intron (N	L1PA5|LIN	10965	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr15-604	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	60499142	60501581	+	0	NA	intron (N	intron (N	21183	NR_120341	1.02E+08	Hs.655155	NR_120339	ENSG00000	RORA-AS1	-	RORA anti	ncRNA
chr15-636	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	63635914	63638744	+	0	NA	intron (N	intron (N	-36502	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-749	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	74926304	74929553	+	0	NA	intron (N	intron (N	10145	NM_004255	9377	Hs.401903	NM_004255	ENSG00000	COX5A	COX|COX-V	cytochrom	protein-coding
chr15-824	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	82423099	82424816	+	0	NA	Intergeni	L2b|LINE|	-6023	NM_198181	440295	Hs.498322	NM_198181	ENSG00000	GOLGA6L9	GOLGA6L20	golgin A6	protein-coding
chr15-909	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr15	90998751	91000181	+	0	NA	intron (N	AluSq2|SI	-4931	NM_199413	9055	Hs.366401	NM_003981	ENSG00000	PRC1	ASE1	protein r	protein-coding

chr16-234	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr16	23404515	23405653	+	0	NA	intron (N	intron (N	48105	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr16-682	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr16	68290453	68296275	+	0	NA	intron (N	AluSx|SIN	17582	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr16-749	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr16	74920407	74922109	+	0	NA	intron (N	L1PREC2|L	63865	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr16-843	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr16	84306257	84306703	+	0	NA	intron (N	intron (N	11602	NM_021197	58189	Hs.36688	NM_021197	ENSG00000	WFDC1	PS20	WAP four-	protein-coding
chr17-756	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr17	75650038	75651614	+	0	NA	3’ UTR (N	3’ UTR (N	4575	NM_001162	1E+08	Hs.662541	NM_001162	ENSG00000	SMIM6	C17orf110	small int	protein-coding
chr17-822	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr17	82243775	82244283	+	0	NA	non-codin	non-codin	7361	NR_106845	1.02E+08		NR_106845	ENSG00000	MIR6787	hsa-mir-6	microRNA	ncRNA
chr19-959	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr19	959504	961453	+	0	NA	intron (N	intron (N	-23850	NM_024100	57418	Hs.325321	NM_024100	ENSG00000	WDR18	Ipi3|R321	WD repeat	protein-coding
chr19-564	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr19	5642297	5642879	+	0	NA	intron (N	intron (N	19505	NM_002967	6294	Hs.728802	NM_002967	ENSG00000	SAFB	HAP|HET|S	scaffold	protein-coding
chr19-109	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr19	10920799	10921763	+	0	NA	TTS (NM_0	TTS (NM_0	7358	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-8824	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	8824350	8826514	+	0	NA	intron (N	L1MB2|LIN	12181	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr2-6359	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	63593648	63596711	+	0	NA	intron (N	intron (N	6028	NM_001199	4190	Hs.526521	NM_005917	ENSG00000	MDH1	HEL-S-32|	malate de	protein-coding
chr2-9592	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	95923240	95924291	+	0	NA	intron (N	intron (N	68059	NM_001310	400986	Hs.646318	NM_001010	ENSG00000	ANKRD36C	-	ankyrin r	protein-coding
chr2-1012	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3038	NR_003070	692205	Hs.656503	NR_003070	ENSG00000	SNORD89	HBII-289	small nuc	snoRNA
chr2-1620	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	65485	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-2030	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSp|SIN	80468	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr2-2161	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-50353	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr2-2332	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	2618	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Caj	ncRNA
chr2-2416	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluSp|SIN	8772	NR_033255	1841	Hs.471873	NM_012145	ENSG00000	DTYMK	CDC8|PP37	deoxythym	protein-coding
chr20-487	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr20	4879905	4881333	+	0	NA	intron (N	HAL1|LINE	-57011	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr20-357	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr20	35782694	35783894	+	0	NA	intron (N	intron (N	11279	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr20-472	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr20	47212242	47213468	+	0	NA	intron (N	intron (N	45888	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr21-392	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr21	39262665	39269404	+	0	NA	intron (N	Charlie20	47598	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr22-180	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr22	18086201	18088157	+	0	NA	intron (N	AluSz6|SI	9189	NM_017929	55670	Hs.517400	NM_017929	ENSG00000	PEX26	PBD7A|PBD	peroxisom	protein-coding
chr22-428	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr22	42888639	42889869	+	0	NA	intron (N	L2a|LINE|	-31981	NM_001142	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-1341	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	Intergeni	Intergeni	96304	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr3-1843	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluY|SINE	4409	NM_001278	5437	Hs.432574	NM_006232	ENSG00000	POLR2H	RPABC3|RF	RNA polym	protein-coding
chr4-1981	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr4	1981344	1984056	+	0	NA	TTS (NM_1	TTS (NM_1	3777	NR_030641	1E+08		NR_030641	ENSG00000	MIR943	MIRN943|h	microRNA	ncRNA
chr4-5729	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr4	5729528	5733929	+	0	NA	intron (N	MIRc|SINE	20527	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-1218	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJb|SIN	-8331	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr4-1507	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz6|SI	148789	NM_006439	10586	Hs.584852	NM_006439	ENSG00000	MAB21L2	MCOPS14|M	mab-21 li	protein-coding
chr6-3033	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr6	30337609	30338739	+	0	NA	intron (N	Tigger1|D	-6982	NM_001199	79897	Hs.183232	NM_024839	ENSG00000	RPP21	C6orf135|	ribonucle	protein-coding
chr6-8759	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr6	87595626	87597319	+	0	NA	intron (N	intron (N	6405	NM_012381	23595	Hs.410228	NM_012381	ENSG00000	ORC3	LAT|LATHE	origin re	protein-coding
chr7-7697	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr7	76978805	76979932	+	0	NA	Intergeni	AluSx1|SI	-1454	NR_023383	441263	Hs.675888	NR_023383	ENSG00000	DTX2P1-UP	PMS2L11	DTX2P1-UP	pseudo
chr7-1212	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA4|LIN	-76864	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr7-1494	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-15736	NM_015694	27153	Hs.38512	NM_015694	ENSG00000	ZNF777	-	zinc fing	protein-coding
chr8-9633	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr8	96330664	96331631	+	0	NA	intron (N	intron (N	55501	NR_125829	1.03E+08	Hs.571415	NR_125828	ENSG00000	LOC102724	-	uncharact	ncRNA
chr8-1434	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	L1M5|LINE	-13819	NM_201589	389692		NM_201589	ENSG00000	MAFA	INSDM|RIP	MAF bZIP	protein-coding
chr9-1101	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	MIR|SINE|	25287	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1302	6.931241	0.253307	0.873619	0.289952	0.771853	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSg4|SI	-8750	NR_162140	1.13E+08		NR_162140		MIR12126	-	microRNA	ncRNA
chr22-358	11.41541	-0.20369	0.70287	-0.2898	0.771969	0.981636	chr22	35808357	35810285	+	0	NA	intron (N	intron (N	31143	NM_001349	23543	Hs.282998	NM_014309	ENSG00000	RBFOX2	FOX2|Fox-	RNA bindi	protein-coding
chr1-2683	6.915525	0.257647	0.889066	0.289796	0.771973	0.981636	chr1	26837821	26838180	+	0	NA	intron (N	AluSp|SIN	11312	NM_032283	84243	Hs.523710	NM_032283	ENSG00000	ZDHHC18	DHHC-18|D	zinc fing	protein-coding
chr10-871	6.915525	0.257647	0.889066	0.289796	0.771973	0.981636	chr10	87105222	87106282	+	0	NA	intron (N	MLT1L|LTR	10546	NM_019054	54537	Hs.500419	NM_019054	ENSG00000	SHLD2	FAM35A|FA	shieldin	protein-coding
chr1-1567	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	TTS (NM_0	TTS (NM_0	7391	NM_001370	81875	Hs.301904	NM_030980	ENSG00000	ISG20L2	HSD38	interfero	protein-coding
chr1-2438	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	L1PA10|LI	23901	NM_181690	10000	Hs.498292	NM_005465	ENSG00000	AKT3	MPPH|MPPH	AKT serin	protein-coding
chr10-975	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr10	97568304	97569457	+	0	NA	intron (N	AluSp|SIN	-3561	NM_001291	26287	Hs.73708	NM_020349	ENSG00000	ANKRD2	ARPP	ankyrin r	protein-coding
chr13-112	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx1|SI	-100671	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG00000	ATP11A-AS	-	ATP11A an	ncRNA
chr14-750	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr14	75096598	75097963	+	0	NA	intron (N	intron (N	27639	NM_001042	79696	Hs.48642	NM_024643	ENSG00000	ZC2HC1C	C14orf140	zinc fing	protein-coding
chr17-763	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr17	76342226	76343759	+	0	NA	intron (N	AluSx1|SI	10924	NM_002766	5635	Hs.77498	NM_002766	ENSG00000	PRPSAP1	PAP39	phosphori	protein-coding
chr19-139	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr19	1392597	1393286	+	0	NA	intron (N	intron (N	8601	NM_000156	2593	Hs.81131	NM_000156	ENSG00000	GAMT	CCDS2|HEL	guanidino	protein-coding
chr3-4942	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr3	49425039	49425283	+	0	NA	intron (N	intron (N	-2483	NM_000481	275	Hs.102	NM_000481	ENSG00000	AMT	GCE|GCST|	aminometh	protein-coding
chr4-7157	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr4	71570418	71571525	+	0	NA	3’ UTR (N	3’ UTR (N	213108	NM_000583	2638	Hs.418497	NM_000583	ENSG00000	GC	DBP|DBP-m	GC vitami	protein-coding
chr6-4410	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr6	44108176	44109128	+	0	NA	Intergeni	Intergeni	17615	NM_001318	64928	Hs.311190	NM_032111	ENSG00000	MRPL14	L14mt|L32	mitochond	protein-coding
chr9-3580	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chr9	35800727	35801634	+	0	NA	intron (N	intron (N	8771	NM_003995	4882	Hs.78518	NM_000907	ENSG00000	NPR2	AMDM|ANPR	natriuret	protein-coding
chrX-9711	5.930207	0.275428	0.951552	0.289452	0.772236	0.981636	chrX	9711979	9712637	+	0	NA	intron (N	intron (N	53539	NM_000273	4935	Hs.74124	NM_000273	ENSG00000	GPR143	NYS6|OA1	G protein	protein-coding
chr1-2678	3.445328	-0.35894	1.241119	-0.28921	0.772424	0.981636	chr1	26781879	26782767	+	0	NA	TTS (NM_0	TTS (NM_0	-5640	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr10-619	7.112509	-0.25528	0.882846	-0.28916	0.772459	0.981636	chr10	61951490	61952379	+	0	NA	intron (N	intron (N	50235	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-132	7.112509	-0.25528	0.882846	-0.28916	0.772459	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	18704	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|FI	DNA polym	protein-coding
chr8-5696	7.202646	-0.25128	0.868996	-0.28916	0.77246	0.981636	chr8	56965238	56965731	+	0	NA	intron (N	intron (N	28383	NM_017813	54928	Hs.438689	NM_017813	ENSG00000	IMPAD1	GPAPP|IMP	inositol	protein-coding
chr1-1459	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	-8987	NM_005105	9939	Hs.591455	NM_005105	ENSG00000	RBM8A	BOV-1A|BO	RNA bindi	protein-coding
chr11-948	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr11	94821683	94822656	+	0	NA	intron (N	AluJb|SIN	53813	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr13-102	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	HERVK22-i	24492	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr17-789	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr17	78967889	78969107	+	0	NA	Intergeni	Intergeni	11425	NM_005567	3959	Hs.514535	NM_005567	ENSG00000	LGALS3BP	90K|BTBD1	galectin	protein-coding
chr19-127	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr19	1278937	1279513	+	0	NA	TTS (NM_0	TTS (NM_0	3695	NM_017914	55009	Hs.591383	NM_017914	ENSG00000	C19orf24	-	chromosom	protein-coding
chr22-415	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr22	41571867	41572940	+	0	NA	intron (N	(CCAT)n|S	11393	NM_014460	27254	Hs.310893	NM_014460	ENSG00000	CSDC2	PIPPIN|dJ	cold shoc	protein-coding
chr3-3252	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr3	32529568	32530136	+	0	NA	intron (N	intron (N	-23463	NR_106753	1.02E+08		NR_106753	ENSG00000	MIR548AY	hsa-mir-5	microRNA	ncRNA
chr6-3726	7.194788	-0.24945	0.863023	-0.28904	0.772553	0.981636	chr6	3726668	3728825	+	0	NA	intron (N	intron (N	24266	NM_183373	221749	Hs.484500	NM_183373	ENSG00000	PXDC1	C6orf145	PX domain	protein-coding
chr18-107	7.973414	0.238474	0.825071	0.289035	0.772555	0.981636	chr18	10772260	10772710	+	0	NA	intron (N	intron (N	-12836	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr19-241	7.973414	0.238474	0.825071	0.289035	0.772555	0.981636	chr19	24103675	24104281	+	0	NA	intron (N	AluSx1|SI	16791	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr2-1604	7.973414	0.238474	0.825071	0.289035	0.772555	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	L1PA5|LIN	-13780	NR_039946	1.01E+08		NR_039946	ENSG00000	MIR4785	mir-4785	microRNA	ncRNA
chr1-2368	10.4435	-0.21317	0.737818	-0.28892	0.772642	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	34314	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr9-1312	6.617771	-0.27129	0.939168	-0.28886	0.77269	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	42586	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-5438	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr1	54380851	54381581	+	0	NA	intron (N	AluSc|SIN	25178	NM_001009	23648	Hs.476706	NM_018070	ENSG00000	SSBP3	CSDP|SSDP	single st	protein-coding
chr1-1668	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	intron (N	L2c|LINE|	5234	NM_017542	57645	Hs.432752	NM_017542	ENSG00000	POGK	BASS2|KRE	pogo tran	protein-coding
chr1-1804	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	THE1A|LTR	31034	NM_032360	84320	Hs.200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr1-2488	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (N	intron (N	5221	NM_001322	80851	Hs.298573	NM_030645	ENSG00000	SH3BP5L	-	SH3 bindi	protein-coding
chr10-156	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr10	15605562	15607533	+	0	NA	intron (N	intron (N	113375	NM_003638	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr10-124	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	9545	NM_032182	23172	Hs.280695	NM_032182	ENSG00000	ABRAXAS2	ABRO1|FAM	abraxas 2	protein-coding
chr11-708	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr11	70805451	70807048	+	0	NA	intron (N	intron (N	-56541	NR_073536	220070	Hs.326766	NM_145308	ENSG00000	SHANK2-AS	C11orf76	SHANK2 an	ncRNA
chr11-108	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	Intergeni	Intergeni	30163	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr12-782	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr12	78212217	78212594	+	0	NA	3’ UTR (N	3’ UTR (N	147341	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-132	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-16759	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr14-313	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr14	31375581	31376159	+	0	NA	intron (N	intron (N	44680	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-530	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr14	53089947	53091629	+	0	NA	intron (N	L1PA6|LIN	62535	NM_030637	80821	Hs.125525	NM_030637	ENSG00000	DDHD1	PA-PLA1|P	DDHD doma	protein-coding
chr14-885	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr14	88598814	88602095	+	0	NA	intron (N	AluJo|SIN	6034	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr17-384	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr17	38434063	38435163	+	0	NA	intron (N	intron (N	6149	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr18-123	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr18	12349268	12350155	+	0	NA	intron (N	AluSq2|SI	27565	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr19-118	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr19	11823857	11824991	+	0	NA	intron (N	intron (N	10151	NM_152357	126070	Hs.418192	NM_152357	ENSG00000	ZNF440	-	zinc fing	protein-coding
chr19-162	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr19	16234113	16235816	+	0	NA	3’ UTR (N	3’ UTR (N	37053	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAP	adaptor r	protein-coding
chr19-189	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr19	18903673	18904533	+	0	NA	intron (N	AluSp|SIN	-7376	NM_001290	10715	Hs.412355	NM_021267	ENSG00000	CERS1	EPM8|GDF-	ceramide	protein-coding
chr19-565	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr19	56543065	56546062	+	0	NA	intron (N	MIR|SINE|	5615	NM_020828	140612	Hs.14794	NM_020828	ENSG00000	ZFP28	mkr5	ZFP28 zin	protein-coding
chr2-3650	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr2	36508368	36509607	+	0	NA	intron (N	intron (N	89181	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-7375	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr2	73757546	73758501	+	0	NA	Intergeni	PABL_B-in	-20617	NM_001330	51002	Hs.157401	NM_016058	ENSG00000	TPRKB	CGI-121|C	TP53RK bi	protein-coding
chr2-1214	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-70254	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr20-516	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr20	51654779	51656672	+	0	NA	intron (N	L1MB8|LIN	-92886	NM_001136	4773	Hs.744148	NM_012340	ENSG00000	NFATC2	NFAT1|NFA	nuclear f	protein-coding
chr22-309	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr22	30949399	30950842	+	0	NA	intron (N	intron (N	18167	NM_001303	22880	Hs.555918	NM_014941	ENSG00000	MORC2	CMT2Z|ZCW	MORC fami	protein-coding
chr3-1636	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr3	16365553	16366090	+	0	NA	intron (N	L1MC5a|LI	100609	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr3-6899	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr3	68996985	68998019	+	0	NA	intron (N	AluSx1|SI	16182	NR_103826	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr4-7869	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr4	7869668	7871636	+	0	NA	intron (N	AluJb|SIN	1656	NM_001371090								
chr5-4199	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr5	419944	422110	+	0	NA	intron (N	intron (N	22133	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr5-3716	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr5	37164152	37165576	+	0	NA	intron (N	AluJr|SIN	-84182	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-4950	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr5	49507394	49509158	+	0	NA	Intergeni	ALR/Alpha	933012	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-7896	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr6	78964857	78965336	+	0	NA	intron (N	intron (N	97545	NM_001010	134728	Hs.656212	NM_001010	ENSG00000	IRAK1BP1	AIP70|SIM	interleuk	protein-coding
chr7-7301	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr7	73017257	73018159	+	0	NA	Intergeni	Intergeni	10258	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG00000	SPDYE11	-	speedy/RI	protein-coding
chr7-7437	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr7	74376750	74377918	+	0	NA	intron (N	intron (N	-76572	NM_005685	9569	Hs.647056	NM_005685	ENSG00000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr7-1289	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	55578	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr8-7150	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chr8	715080	715791	+	0	NA	intron (N	intron (N	15789	NM_001303	157697	Hs.655310	NM_207332	ENSG00000	ERICH1	HSPC319	glutamate	protein-coding
chrX-7154	6.434653	0.2624	0.908597	0.288797	0.772737	0.981636	chrX	71546828	71547752	+	0	NA	intron (N	MER103C|D	14186	NM_181673	8473	Hs.405410	NM_003605	ENSG00000	OGT	HINCUT-1|	O-linked	protein-coding
chr17-481	7.476826	0.245241	0.849732	0.28861	0.77288	0.981636	chr17	4817247	4817984	+	0	NA	intron (N	AluSc8|SI	10463	NM_001243	5338	Hs.104519	NM_002663	ENSG00000	PLD2	PLD1C	phospholi	protein-coding
chr18-576	7.476826	0.245241	0.849732	0.28861	0.77288	0.981636	chr18	57690784	57691825	+	0	NA	intron (N	intron (N	60973	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr22-409	7.476826	0.245241	0.849732	0.28861	0.77288	0.981636	chr22	40915381	40916949	+	0	NA	intron (N	AluSx1|SI	-35213	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr4-1221	7.476826	0.245241	0.849732	0.28861	0.77288	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	19856	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr9-7035	7.476826	0.245241	0.849732	0.28861	0.77288	0.981636	chr9	70350324	70350874	+	0	NA	intron (N	intron (N	64058	NM_001206	687	Hs.150557	NM_001206	ENSG00000	KLF9	BTEB|BTEB	Kruppel l	protein-coding
chr1-4360	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr1	43604410	43605075	+	0	NA	intron (N	intron (N	-45407	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-7030	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr1	70300096	70300739	+	0	NA	intron (N	AluSx1|SI	54305	NM_030816	81573	Hs.744989	NM_030816	ENSG00000	ANKRD13C	dJ677H15.	ankyrin r	protein-coding
chr10-752	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr10	75226158	75233342	+	0	NA	intron (N	intron (N	6207	NM_144589	118881	Hs.355333	NM_144589	ENSG00000	COMTD1	-	catechol-	protein-coding
chr10-865	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr10	86514604	86517879	+	0	NA	intron (N	intron (N	5543	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr11-680	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr11	68045895	68046369	+	0	NA	intron (N	MLT1B|LTR	1338	NR_106811	1.02E+08		NR_106811	ENSG00000	MIR6753	hsa-mir-6	microRNA	ncRNA
chr16-261	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr16	2619060	2619940	+	0	NA	intron (N	intron (N	16116	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr2-7322	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr2	73220986	73221456	+	0	NA	exon (NM_	exon (NM_	6976	NM_006062	10322	Hs.631882	NM_006062	ENSG00000	SMYD5	NN8-4AG|F	SMYD fami	protein-coding
chr2-1017	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq2|SI	4734	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr2-1891	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	-1087	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr22-357	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr22	35756654	35759874	+	0	NA	intron (N	intron (N	40392	NM_030642	80831	Hs.326561	NM_030642	ENSG00000	APOL5	APOL-V|AP	apolipopr	protein-coding
chr3-1946	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	AluYb8|SI	-10816	NM_001166	93109	Hs.478729	NM_138399	ENSG00000	TMEM44	-	transmemb	protein-coding

chr4-8470	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr4	84707435	84708727	+	0	NA	intron (N	intron (N	124954	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr5-5309	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr5	53097321	53098634	+	0	NA	3’ UTR (N	3’ UTR (N	11780	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr7-8018	7.145791	-0.25045	0.868109	-0.28851	0.772959	0.981636	chr7	80189171	80189866	+	0	NA	intron (N	intron (N	53734	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G protein	protein-coding
chr3-1703	7.615105	-0.24292	0.842266	-0.28841	0.773033	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	-27672	NM_005602	5010	Hs.31595	NM_005602	ENSG00000	CLDN11	OSP|OTM	claudin 1	protein-coding
chr7-2779	7.615105	-0.24292	0.842266	-0.28841	0.773033	0.981636	chr7	27792922	27793728	+	0	NA	intron (N	intron (N	53230	NM_001079	8887	Hs.34576	NM_006024	ENSG00000	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr11-592	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr11	59205965	59206341	+	0	NA	3’ UTR (N	3’ UTR (N	6774	NM_001039	219972	Hs.744920	NM_001039	ENSG00000	MPEG1	MPG1|MPS1	macrophag	protein-coding
chr15-801	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr15	80159852	80160051	+	0	NA	intron (N	intron (N	6952	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr17-177	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr17	17705503	17705702	+	0	NA	intron (N	AluSx|SIN	24144	NM_030665	10743	Hs.655395	NM_030665	ENSG00000	RAI1	SMCR|SMS	retinoic	protein-coding
chr2-1343	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	102166	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GN	alpha-1,6	protein-coding
chr20-429	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr20	429067	429541	+	0	NA	intron (N	AluSp|SIN	21005	NM_006462	10616	Hs.29546	NM_006462	ENSG00000	RBCK1	C20orf18|	RANBP2-ty	protein-coding
chr4-6761	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr4	67619316	67620238	+	0	NA	intron (N	intron (N	61050	NM_001317	26228	Hs.435579	NM_012108	ENSG00000	STAP1	BRDG1|STA	signal tr	protein-coding
chr4-1288	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	37370	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chrX-5364	6.684334	-0.26099	0.906084	-0.28804	0.773318	0.981636	chrX	53647311	53647986	+	0	NA	intron (N	intron (N	39071	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr1-1026	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr1	10262696	10265664	+	0	NA	intron (N	L2a|LINE|	33416	NM_001365	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-9357	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr1	93573894	93576639	+	0	NA	intron (N	intron (N	9896	NM_001308	8412	Hs.36958	NM_003567	ENSG00000	BCAR3	AND-34|NS	BCAR3 ada	protein-coding
chr1-1174	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	L1PA7|LIN	108213	NM_006699	10905	Hs.435938	NM_006699	ENSG00000	MAN1A2	MAN1B	mannosida	protein-coding
chr1-1787	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1M1|LINE	33754	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-2255	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	X7A_LINE|	86365	NM_001008	55740	Hs.497893	NM_018212	ENSG00000	ENAH	ENA|MENA|	ENAH acti	protein-coding
chr10-148	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr10	14866661	14868831	+	0	NA	exon (NM_	exon (NM_	-11037	NM_001193	79723	Hs.554883	NM_024670	ENSG00000	SUV39H2	KMT1B	suppressc	protein-coding
chr10-431	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr10	43177314	43178619	+	0	NA	intron (N	L1MB7|LIN	23069	NM_001319	55454	Hs.657569	NM_018590	ENSG00000	CSGALNACT	CHGN2|ChG	chondroit	protein-coding
chr10-704	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr10	70427056	70428226	+	0	NA	3’ UTR (N	3’ UTR (N	14040	NM_018055	4838	Hs.370414	NM_018055	ENSG00000	NODAL	HTX5	nodal grc	protein-coding
chr10-738	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr10	73863571	73864069	+	0	NA	intron (N	intron (N	10735	NM_001367	818	Hs.523045	NM_001222	ENSG00000	CAMK2G	CAMK|CAMK	calcium/c	protein-coding
chr10-102	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	MIRc|SINE	15646	NM_001199	8729	Hs.290243	NM_004193	ENSG00000	GBF1	ARF1GEF	golgi bre	protein-coding
chr12-118	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	TTS (NM_C	TTS (NM_C	15832	NM_007370	5985	Hs.731908	NM_007370	ENSG00000	RFC5	RFC36	replicati	protein-coding
chr13-200	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr13	20033807	20034096	+	0	NA	intron (N	intron (N	-68750	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr14-999	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr14	99904518	99905513	+	0	NA	intron (N	MER41-int	-66407	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr15-739	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr15	73916245	73916997	+	0	NA	TTS (NR_C	TTS (NR_C	-9841	NM_005576	4016	Hs.65436	NM_005576	ENSG00000	LOXL1	LOL|LOXL	lysyl oxi	protein-coding
chr16-309	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr16	30942761	30945448	+	0	NA	intron (N	intron (N	-4964	NM_152288	93129	Hs.745104	NM_152288	ENSG00000	ORAI3	TMEM142C	ORAI calc	protein-coding
chr16-534	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr16	53496667	53497062	+	0	NA	intron (N	intron (N	6345	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr17-105	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr17	1054771	1055577	+	0	NA	intron (N	FLAM_C|SI	-23343	NM_001256	29	Hs.159306	NM_001092	ENSG00000	ABR	MDB	ABR activ	protein-coding
chr17-620	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr17	62046715	62048559	+	0	NA	intron (N	L1PA8|LIN	17641	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr2-4697	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	46974808	46976295	+	0	NA	intron (N	intron (N	-33696	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-7026	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	70264193	70264608	+	0	NA	intron (N	AluSz|SIN	6263	NM_016297	51449	Hs.567502	NM_016297	ENSG00000	PCYOX1	PCL1	prenylcys	protein-coding
chr2-9719	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	97191492	97192984	+	0	NA	intron (N	intron (N	79085	NM_001354	375248	Hs.541894	NM_198555	ENSG00000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr2-1327	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	Tigger3b|	-99757	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr2-1999	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	AluJb|SIN	7756	NM_153689	205327	Hs.154494	NM_153689	ENSG00000	C2orf69	-	chromosom	protein-coding
chr2-2248	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	ERV3-16A3	117495	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr20-199	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr20	19935191	19937886	+	0	NA	intron (N	intron (N	46972	NM_018993	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr20-584	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr20	58443986	58445217	+	0	NA	non-codin	non-codin	55372	NR_036633	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP assc	protein-coding
chr3-1837	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MIR|SINE|	18543	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 an	ncRNA
chr3-1848	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	50640	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr4-1134	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx1|SI	184817	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr4-1192	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L1PA2|LIN	25113	NM_001001	401152	Hs.173705	NM_001001	ENSG00000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr4-1684	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	49612	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bc	protein-coding
chr5-6937	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr5	69374657	69379135	+	0	NA	intron (N	AluSx|SIN	5442	NM_133339	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr6-2598	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr6	25981454	25982372	+	0	NA	intron (N	intron (N	19111	NM_006355	10475	Hs.584851	NM_006355	ENSG00000	TRIM38	RNF15|ROR	tripartit	protein-coding
chr7-4388	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr7	43885440	43886934	+	0	NA	intron (N	FLAM_C|SI	-16670	NM_032014	64951	Hs.284286	NM_032014	ENSG00000	MRPS24	HSPC335|M	mitochonc	protein-coding
chr7-4400	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr7	44006835	44010232	+	0	NA	intron (N	intron (N	7643	NM_175064	285955	Hs.645483	NM_175064	ENSG00000	SPDYE1	Ringo1|SP	speedy/RI	protein-coding
chr7-7758	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr7	77581001	77582697	+	0	NA	intron (N	L1ME4c|LI	43806	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr7-1403	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MC2|LIN	41686	NM_001363	84255	Hs.446021	NM_032295	ENSG00000	SLC37A3	-	solute ca	protein-coding
chr7-1491	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSx3|SI	8843	NM_170686	57541	Hs.632032	NM_020781	ENSG00000	ZNF398	P51|P71|Z	zinc fing	protein-coding
chr8-9486	7.18693	-0.24761	0.860974	-0.2876	0.773656	0.981636	chr8	94869706	94871402	+	0	NA	intron (N	intron (N	24700	NM_057749	9134	Hs.521693	NM_004702	ENSG00000	CCNE2	CYCE2	cyclin E2	protein-coding
chr1-6543	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr1	65434637	65434912	+	0	NA	3’ UTR (N	3’ UTR (N	14058	NM_001198	54741	Hs.23581	NM_017526	ENSG00000	LEPROT	LEPR|OB-R	leptin re	protein-coding
chr13-413	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr13	41322935	41326809	+	0	NA	intron (N	intron (N	-12834	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochonc	protein-coding
chr16-188	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr16	18877221	18878256	+	0	NA	intron (N	L1MC2|LIN	48666	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr16-234	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr16	23475610	23476099	+	0	NA	intron (N	AluSz|SIN	-22665	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr18-260	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr18	26022693	26023374	+	0	NA	intron (N	L1ME1|LIN	67580	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr19-114	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr19	11450594	11450962	+	0	NA	TTS (NM_C	TTS (NM_C	-14996	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-cc	protein-coding
chr5-3504	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr5	350404	351635	+	0	NA	intron (N	L1MB5|LIN	46843	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr5-4928	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr5	49280805	49281744	+	0	NA	Intergeni	ALR/Alpha	1160014	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-7149	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr5	71490776	71490987	+	0	NA	intron (N	intron (N	35230	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr6-1202	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr6	12029811	12030188	+	0	NA	intron (N	L1M4a2|LI	17687	NM_002114	3096	Hs.567284	NM_002114	ENSG00000	HIVEP1	CIRIP|CRY	human imm	protein-coding
chr6-4305	7.427829	0.245512	0.853899	0.287519	0.773715	0.981636	chr6	43055097	43056324	+	0	NA	intron (N	intron (N	-1765	NM_014780	9820	Hs.520136	NM_014780	ENSG00000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr1-2217	11.8533	-0.19628	0.682699	-0.2875	0.773727	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	32868	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding
chr1-3584	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	35841316	35844265	+	0	NA	intron (N	AluSz|SIN	-27018	NM_001317	26523	Hs.22867	NM_012199	ENSG00000	AGO1	EIF2C|EIF	argonaute	protein-coding
chr1-3604	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	36044251	36046887	+	0	NA	intron (N	AluSq2|SI	-38525	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr1-6483	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	64837384	64840225	+	0	NA	intron (N	MIRc|SINE	93729	NM_018211	55225	Hs.591443	NM_018211	ENSG00000	RAVER2	-	ribonucle	protein-coding
chr1-1093	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L2b|LINE|	-13442	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-1613	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	22382	NM_001278	6391	Hs.444472	NM_003001	ENSG00000	SDHC	CYB560|CY	succinate	protein-coding
chr1-2272	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	L1PA2|LIN	108595	NM_001366	8476	Hs.35433	NM_003607	ENSG00000	CDC42BPA	MRCK|MRCK	CDC42 bir	protein-coding
chr10-136	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	13695370	13696526	+	0	NA	intron (N	intron (N	11619	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr10-323	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	32303281	32303937	+	0	NA	intron (N	L1MD2|LIN	43549	NM_001272	80314	Hs.167805	NM_025209	ENSG00000	EPC1	Epl1	enhancer	protein-coding
chr10-350	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	35030032	35032706	+	0	NA	exon (NM_	exon (NM_	42914	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr10-731	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	73196662	73197677	+	0	NA	intron (N	AluJb|SIN	29050	NM_173348	317662	Hs.408577	NM_173348	ENSG00000	FAM149B1	KIAA0974	family wi	protein-coding
chr10-792	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	79290616	79292534	+	0	NA	intron (N	intron (N	-55894	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-103	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluJb|SIN	-1219	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nuclec	protein-coding
chr10-119	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	24137	NM_002925	6001	Hs.501200	NM_002925	ENSG00000	RGS10	-	regulator	protein-coding
chr11-341	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr11	34138823	34142805	+	0	NA	intron (N	intron (N	35185	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr11-727	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr11	72706045	72706456	+	0	NA	TTS (NR_1	TTS (NR_1	5776	NR_146780	1.01E+08	Hs.503165	NR_146780	ENSG00000	ARAP1-AS2	-	ARAP1 ant	ncRNA
chr12-645	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr12	6458099	6463095	+	0	NA	intron (N	intron (N	8555	NM_001351	55080	Hs.504597	NM_018009	ENSG00000	TAPBPL	TAPBP-R|T	TAP bindi	protein-coding
chr12-508	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr12	50813600	50815579	+	0	NA	intron (N	Tigger3b|	-28337	NM_182559	283471	Hs.125571	NM_182559	ENSG00000	TMPRSS12	CT151	transmemb	protein-coding
chr12-132	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-14482	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr12-132	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	(CA)n|Sim	-23072	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr14-710	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr14	71089124	71094169	+	0	NA	intron (N	Tigger2|D	184187	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr14-731	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr14	73155935	73158477	+	0	NA	intron (N	AluSq|SIN	20699	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr15-762	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr15	76258572	76259208	+	0	NA	TTS (NR_C	TTS (NR_C	1262	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr16-205	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr16	2053217	2054591	+	0	NA	intron (N	intron (N	5702	NM_001318	7249	Hs.90303	NM_000548	ENSG00000	TSC2	LAM|PPP1R	TSC compl	protein-coding
chr16-206	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr16	2067808	2069276	+	0	NA	intron (N	Tigger2a|	20340	NM_001318	7249	Hs.90303	NM_000548	ENSG00000	TSC2	LAM|PPP1R	TSC compl	protein-coding
chr17-182	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr17	18293876	18295516	+	0	NA	intron (N	intron (N	20298	NM_004618	7156	Hs.592115	NM_004618	ENSG00000	TOP3A	MGRISCE2|	DNA topoi	protein-coding
chr17-318	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr17	31876645	31880528	+	0	NA	intron (N	intron (N	-19342	NM_018405	55352	Hs.462729	NM_018405	ENSG00000	COPRS	C17orf79|	coordinat	protein-coding
chr17-584	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr17	58496088	58497757	+	0	NA	intron (N	intron (N	-8514	NM_001080	124535	Hs.380061	NM_001080	ENSG00000	HSF5	HSF 5|HST	heat shoc	protein-coding
chr19-142	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	1428438	1433727	+	0	NA	intron (N	intron (N	-7282	NM_001018	6209	Hs.406683	NM_001018	ENSG00000	RPS15	RIG|S15	ribosomal	protein-coding
chr19-212	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	2129460	2133710	+	0	NA	intron (N	CpG	19981	NM_003938	8943	Hs.512815	NM_003938	ENSG00000	AP3D1	ADTD|HPS1	adaptor r	protein-coding
chr19-347	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	34735618	34736110	+	0	NA	intron (N	L2a|LINE|	1621	NM_001029	339318	Hs.720472	NM_001029	ENSG00000	ZNF181	HHZ181	zinc fing	protein-coding
chr19-403	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	40329860	40336154	+	0	NA	intron (N	AluSx1|SI	15390	NR_046202	126526	Hs.631557	NM_178830	ENSG00000	C19orf47	-	chromosom	protein-coding
chr19-438	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	43896986	43897660	+	0	NA	intron (N	intron (N	4480	NR_038334	1.01E+08	Hs.76561	NR_038334	ENSG00000	LOC100505	-	uncharact	ncRNA
chr19-470	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr19	47081007	47085555	+	0	NA	intron (N	AluYc|SIN	30495	NM_015168	23211	Hs.104661	NM_015168	ENSG00000	ZC3H4	C19orf7	zinc fing	protein-coding
chr2-5463	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	54638141	54639317	+	0	NA	intron (N	intron (N	80335	NM_178313	6711	Hs.503178	NM_003128	ENSG00000	SPTBN1	ELF|HEL10	spectrin	protein-coding
chr2-7308	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	73086744	73088303	+	0	NA	intron (N	intron (N	-15687	NM_144579	94097	Hs.368171	NM_144579	ENSG00000	SFXN5	BBG-TCC|S	siderofle	protein-coding
chr2-1213	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-96986	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBP	transcrip	protein-coding
chr2-1332	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1HS|LINE	34256	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-1572	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	MIR|SINE|	30197	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr2-2010	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-44745	NM_006190	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr2-2186	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	10482	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr2-2380	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSz|SIN	9579	NM_016510	51540	Hs.731909	NM_016510	ENSG00000	SCLY	SCL|hSCL	selenocys	protein-coding
chr20-358	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr20	35803149	35806898	+	0	NA	intron (N	AluSz6|SI	33008	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr20-414	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr20	41445454	41448369	+	0	NA	intron (N	intron (N	-80093	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr20-632	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr20	63285422	63287639	+	0	NA	promoter-	promoter-	-278	NR_036220	1E+08		NR_036220	ENSG00000	MIR4326	mir-4326	microRNA	ncRNA
chr22-304	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr22	30417494	30418700	+	0	NA	intron (N	AluJo|SIN	-7671	NM_016498	51537	Hs.713636	NM_016498	ENSG00000	MTFP1	HSPC242|M	mitochonc	protein-coding
chr22-309	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr22	30925595	30930644	+	0	NA	exon (NM_	exon (NM_	5811	NR_026920	150291	Hs.592202	NM_153044	ENSG00000	MORC2-AS1	C22orf27|	MORC2 ant	ncRNA
chr22-461	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr22	46198423	46201082	+	0	NA	intron (N	AluSq|SIN	48957	NM_001362	5465	Hs.103110	NM_005036	ENSG00000	PPARA	NR1C1|PPA	peroxisom	protein-coding
chr3-3734	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr3	37344760	37345429	+	0	NA	intron (N	AluJb|SIN	-41175	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-1588	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	22183	NM_022736	64747	Hs.58663	NM_022736	ENSG00000	MFSD1	SMAP4	major fac	protein-coding
chr4-1833	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr4	1833020	1836892	+	0	NA	exon (NM_	exon (NM_	21200	NM_012318	3954	Hs.120165	NM_012318	ENSG00000	LETM1	SLC55A1	leucine z	protein-coding
chr4-2822	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr4	2822831	2823226	+	0	NA	exon (NM_	exon (NM_	4214	NM_003023	6452	Hs.167679	NM_003023	ENSG00000	SH3BP2	3BP-2|3BP	SH3 domai	protein-coding
chr4-7097	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr4	70970816	70971200	+	0	NA	intron (N	intron (N	-22641	NM_000788	1633	Hs.709	NM_000788	ENSG00000	DCK	-	deoxycyti	protein-coding
chr5-1544	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	MLT1K|LTR	34248	NR_037897	386627	Hs.652021	NR_037897		SAP30L-AS	GALNT10-A	SAP30L an	ncRNA
chr6-3155	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr6	31552877	31554780	+	0	NA	intron (N	AluSg7|SI	6220	NM_001144	4795	Hs.2764	NM_005007	ENSG00000	NFKBIL1	IKBL|NFKB	NFKB inhi	protein-coding
chr6-3692	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr6	36923140	36925392	+	0	NA	3’ UTR (N	3’ UTR (N	-23997	NM_001199	221476	Hs.25391	NM_153370	ENSG00000	PI16	CD364|CRI	peptidase	protein-coding
chr6-1006	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	THE1B-int	180633	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr7-5994	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	5994117	5999625	+	0	NA	intron (N	intron (N	12178	NM_001322	5395	Hs.632637	NM_000535	ENSG00000	PMS2	HNPCC4|ML	PMS1 homc	protein-coding
chr7-7368	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	73686727	73688242	+	0	NA	intron (N	AluSc|SIN	3887	NR_045512	114049	Hs.647063	NM_017528	ENSG00000	BUD23	HASJ4442|	BUD23 rRN	protein-coding
chr7-7459	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	74599272	74600145	+	0	NA	intron (N	AluSx|SIN	3740	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA

chr7-7523	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	75232134	75233248	+	0	NA	intron (N	AluSz|SIN	-4496	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr7-1300	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	TTS (NM_0	TTS (NM_0	33511	NM_001363	51530	Hs.194157	NM_016478	ENSG00000	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr7-1491	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-18332	NM_001303	8427	Hs.729056	NM_003575	ENSG00000	ZNF282	HUB1	zinc fing	protein-coding
chr8-4283	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr8	42837731	42838349	+	0	NA	exon (NM_	exon (NM_	5285	NM_018105	55145	Hs.7432	NM_018105	ENSG00000	THAP1	DYT6	THAP doma	protein-coding
chr8-5697	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr8	56976856	56979824	+	0	NA	intron (N	L1PA13|LI	15527	NM_017813	54928	Hs.438689	NM_017813	ENSG00000	IMPAD1	GPAPP|IMF	inositol	protein-coding
chr8-6720	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr8	67200118	67207333	+	0	NA	intron (N	L2|LINE|L	119877	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-9629	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr8	96295061	96297363	+	0	NA	intron (N	AluY|SINE	34310	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr9-1115	6.939099	0.251188	0.873732	0.287488	0.773738	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	MIRb|SINE	2721	NM_133464	158399	Hs.584864	NM_133464	ENSG00000	ZNF483	ZKSCAN16|	zinc fing	protein-coding
chr1-6592	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr1	6592576	6595070	+	0	NA	3’ UTR (N	3’ UTR (N	9046	NM_001324	9903	Hs.7764	NM_014851	ENSG00000	KLHL21	-	kelch lik	protein-coding
chr1-2545	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr1	25459031	25461110	+	0	NA	intron (N	intron (N	29173	NM_018202	55219	Hs.189782	NM_018202	ENSG00000	MACO1	MACOILIN|	macoilin	protein-coding
chr1-3302	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr1	33023690	33024596	+	0	NA	intron (N	AluSx1|SI	12740	NM_001199	204	Hs.470907	NM_001625	ENSG00000	AK2	ADK2	adenylate	protein-coding
chr11-779	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr11	77978037	77981179	+	0	NA	intron (N	intron (N	15060	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr13-770	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr13	77092468	77094004	+	0	NA	exon (NM_	exon (NM_	17722	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr13-772	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr13	77200665	77205885	+	0	NA	intron (N	L1PA3|LIN	123819	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr14-761	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr14	76182277	76184326	+	0	NA	intron (N	intron (N	28947	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch c	protein-coding
chr15-732	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr15	73289622	73291870	+	0	NA	intron (N	intron (N	-9164	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr16-699	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr16	69988151	69988999	+	0	NA	intron (N	intron (N	37395	NM_001370	348174	Hs.592064	NM_182619	ENSG00000	CLEC18A	MRCL|MRCL	C-type le	protein-coding
chr2-7017	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr2	70177006	70178776	+	0	NA	intron (N	AluJb|SIN	12820	NR_145971	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr2-1914	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	Tigger1|D	160745	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr2-2186	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	TTS (NM_0	TTS (NM_0	7190	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr22-502	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr22	50238986	50239453	+	0	NA	intron (N	AluSz|SIN	5804	NM_020461	85378	Hs.336431	NM_020461	ENSG00000	TUBGCP6	GCP-6|GCF	tubulin g	protein-coding
chr4-1218	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	7248	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr5-3260	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr5	32604145	32605227	+	0	NA	TTS (NM_0	TTS (NM_0	19129	NM_006713	10923	Hs.229641	NM_006713	ENSG00000	SUB1	P15|PC4|p	SUB1 regu	protein-coding
chr5-1421	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	36827	NM_030571	80762	Hs.9788	NM_030571	ENSG00000	NDFIP1	N4WBP5	Nedd4 fam	protein-coding
chr6-3215	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr6	32156378	32158396	+	0	NA	intron (N	AluSz|SIN	-3022	NR_037172	1.01E+08	Hs.549204	NR_037169	ENSG00000	LOC100507	-	uncharact	ncRNA
chr7-4008	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr7	40088405	40089986	+	0	NA	intron (N	AluSz6|SI	45427	NM_138701	136647	Hs.654989	NM_138701	ENSG00000	MPLKIP	ABHS|C7or	M-phase s	protein-coding
chr7-9208	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr7	92082684	92088210	+	0	NA	intron (N	intron (N	49030	NM_000786	1595	Hs.417077	NM_000786	ENSG00000	CYP51A1	CP51|CYP5	cytochrom	protein-coding
chr7-1392	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSz|SIN	31257	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr8-1729	7.435687	0.243469	0.847124	0.287406	0.773801	0.981636	chr8	17293456	17295638	+	0	NA	intron (N	L1PA7|LIN	47589	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr19-477	11.39184	-0.20011	0.696299	-0.28739	0.773817	0.981636	chr19	47737656	47742428	+	0	NA	intron (N	intron (N	-5504	NM_015710	29997	Hs.421907	NM_015710	ENSG00000	NOP53	GLTSCR2|F	NOP53 rib	protein-coding
chr12-713	5.368905	0.293759	1.022283	0.287356	0.77384	0.981636	chr12	7133844	7134182	+	0	NA	intron (N	MIRb|SINE	3642	NM_014718	9746	Hs.535378	NM_014718	ENSG00000	CLSTN3	CDHR14|CS	calsynten	protein-coding
chr5-1796	5.368905	0.293759	1.022283	0.287356	0.77384	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-2252	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr19-182	4.921315	0.308607	1.076327	0.286722	0.774325	0.981636	chr19	1827361	1827711	+	0	NA	exon (NM_	exon (NM_	5447	NR_152847	1E+08	Hs.662426	NR_034114	ENSG00000	LOC100288	-	uncharact	ncRNA
chr17-211	7.981272	0.236608	0.825226	0.286719	0.774327	0.981636	chr17	21197519	21198147	+	0	NA	TTS (NR_0	TTS (NR_0	16762	NR_024547	8834	Hs.592945	NM_003876	ENSG00000	TMEM11	C17orf35|	transmemb	protein-coding
chr19-135	7.981272	0.236608	0.825226	0.286719	0.774327	0.981636	chr19	1357382	1358987	+	0	NA	intron (N	intron (N	765	NR_163149	84939	Hs.515016	NM_032220	ENSG00000	PWWP3A	EXPAND1|H	PWWP doma	protein-coding
chr14-242	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr14	24235201	24236673	+	0	NA	intron (N	intron (N	3008	NM_016576	51292	Hs.368855	NM_016576	ENSG00000	GMPR2	GMPR 2	guanosine	protein-coding
chr17-507	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr17	50754011	50754626	+	0	NA	3’ UTR (N	3’ UTR (N	13200	NM_001358	55018	Hs.389460	NM_017928	ENSG00000	ANKRD40CL	C17orf73|	ANKRD40 C	protein-coding
chr19-387	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr19	38730796	38731998	+	0	NA	3’ UTR (N	3’ UTR (N	13077	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr5-1787	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L1ME3G|LI	3161	NM_001324	6940	Hs.484324	NM_005649	ENSG00000	ZNF354A	EZNF|HEL1	zinc fing	protein-coding
chr9-8933	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr9	89332597	89334544	+	0	NA	intron (N	Charlie1|	14719	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr9-9748	7.656245	-0.24021	0.839641	-0.28608	0.774814	0.981636	chr9	97487541	97488943	+	0	NA	intron (N	intron (N	-12938	NM_001166	7111	Hs.404289	NM_003275	ENSG00000	TMOD1	D9S57E|ET	tropomodu	protein-coding
chr19-571	5.889067	0.273276	0.955704	0.285942	0.774922	0.981636	chr19	57197821	57198278	+	0	NA	intron (N	HERVL-int	6549	NM_003417	9422	Hs.515634	NM_003417	ENSG00000	ZNF264	-	zinc fing	protein-coding
chr3-1809	6.156314	-0.28353	0.991992	-0.28582	0.775015	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	2436	NM_001363	8087	Hs.478407	NM_005087	ENSG00000	FXR1	FXR1P	FMR1 auto	protein-coding
chr15-731	6.725474	-0.25788	0.902231	-0.28582	0.775016	0.981636	chr15	73184679	73185410	+	0	NA	intron (N	L1MC1|LIN	-114866	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr9-9768	6.725474	-0.25788	0.902231	-0.28582	0.775016	0.981636	chr9	97682296	97682746	+	0	NA	intron (N	L1M6|LINE	14888	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr12-879	8.462145	0.234785	0.821546	0.285785	0.775043	0.981636	chr12	879790	880188	+	0	NA	exon (NM_	exon (NM_	53087	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr5-7151	8.462145	0.234785	0.821546	0.285785	0.775043	0.981636	chr5	71515346	71515825	+	0	NA	intron (N	Tigger4a|	59934	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr19-191	7.664103	-0.24205	0.846978	-0.28578	0.775047	0.981636	chr19	1912436	1913553	+	0	NA	exon (NM_	exon (NM_	7595	NM_001329	113178	Hs.144980	NM_079834	ENSG00000	SCAMP4	SCAMP-4	secretory	protein-coding
chr1-1050	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	1050463	1053157	+	0	NA	exon (NM_	exon (NM_	-7924	NR_148960	1E+08	Hs.713286	NR_148960	ENSG00000	LOC100288	-	uncharact	ncRNA
chr1-6633	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	6633395	6635876	+	0	NA	3’ UTR (N	3’ UTR (N	9485	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-2789	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	27893365	27896960	+	0	NA	intron (N	intron (N	19413	NM_002946	6118	Hs.79411	NM_002946	ENSG00000	RPA2	REPA2|RP-	replicati	protein-coding
chr1-3884	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	38843063	38846575	+	0	NA	intron (N	L1PA7|LIN	14953	NM_001271	64121	Hs.532461	NM_022157	ENSG00000	RRAGC	GTR2|RAGC	Ras relat	protein-coding
chr1-1456	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluJb|SIN	17358	NM_001097	653519	Hs.504320	NM_001097	ENSG00000	GPR89A	GPHR|GPR8	G protein	protein-coding
chr1-1760	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1PA16|LI	-110746	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Caj	ncRNA
chr10-119	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr10	11998313	12000494	+	0	NA	intron (N	AluSx3|SI	43406	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr10-121	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr10	12170293	12176662	+	0	NA	intron (N	AluSq|SIN	22414	NM_014142	11164	Hs.555956	NM_014142	ENSG00000	NUDT5	YSA1|YSA1	nudix hyd	protein-coding
chr10-792	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr10	79295062	79297858	+	0	NA	intron (N	intron (N	-51009	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-102	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz6|SI	34807	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr11-184	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr11	18497780	18499006	+	0	NA	intron (N	L2|LINE|L	28549	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr11-118	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	36461	NM_005933	4297	Hs.258855	NM_005933	ENSG00000	KMT2A	ALL-1|CXX	lysine me	protein-coding
chr11-129	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	15284	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr12-986	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr12	98656720	98659672	+	0	NA	intron (N	intron (N	12896	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-121	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluY|SINE	5935	NM_194271	80196	Hs.292804	NM_025126	ENSG00000	RNF34	CARP-1|CA	ring fing	protein-coding
chr12-132	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	19444	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr13-199	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr13	19964789	19969081	+	0	NA	intron (N	intron (N	7121	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|R	zinc fing	protein-coding
chr13-952	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr13	95213459	95215774	+	0	NA	intron (N	AluSx1|SI	4272	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-583	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr14	58359231	58362495	+	0	NA	intron (N	intron (N	-35067	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr14-750	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr14	75084148	75087929	+	0	NA	intron (N	AluSx4|SI	16397	NM_001042	79696	Hs.48642	NM_024643	ENSG00000	ZC2HC1C	C14orf140	zinc fing	protein-coding
chr15-505	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr15	50561317	50562692	+	0	NA	intron (N	AluSp|SIN	-15338	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-311	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	3115209	3116877	+	0	NA	promoter-	promoter-	-445	NR_024167	81854	Hs.669490	NR_024166		ZNF205-AS	-	ZNF205 an	ncRNA
chr16-117	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	11720701	11723337	+	0	NA	intron (N	intron (N	20838	NM_001303	51061	Hs.313847	NM_015914	ENSG00000	TXNDC11	EFP1	thioredox	protein-coding
chr16-148	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	14868568	14875139	+	0	NA	intron (N	intron (N	-29655	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr16-571	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	57171551	57173686	+	0	NA	intron (N	intron (N	9932	NM_001354	80011	Hs.396740	NM_024946	ENSG00000	FAM192A	C16orf94|	family wi	protein-coding
chr16-756	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	75609616	75614097	+	0	NA	intron (N	AluSx|SIN	11425	NM_012091	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr16-897	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr16	89738757	89740404	+	0	NA	non-codin	non-codin	18043	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr17-807	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	807444	810516	+	0	NA	intron (N	intron (N	26627	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr17-542	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	5425391	5428888	+	0	NA	intron (N	AluSx|SIN	-7400	NM_001320	4927	Hs.584784	NM_002532	ENSG00000	NUP88	FADS4	nucleopor	protein-coding
chr17-304	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	30457037	30458242	+	0	NA	intron (N	L1MB4|LIN	-19769	NM_004871	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-432	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	43215590	43219045	+	0	NA	intron (N	intron (N	5442	NM_001291	113277	Hs.536474	NM_145041	ENSG00000	TMEM106A	-	transmemb	protein-coding
chr17-435	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	43518205	43520521	+	0	NA	intron (N	L1MB4|LIN	11072	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr17-816	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr17	81608161	81613968	+	0	NA	intron (N	AluSq2|SI	26048	NM_001369	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homo	protein-coding
chr19-499	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr19	49991715	49996202	+	0	NA	intron (N	intron (N	24294	NR_145574	400709	Hs.568076	NM_001348364		SIGLEC16	SIGLECP16	sialic ac	protein-coding
chr2-1176	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr2	11765737	11768144	+	0	NA	promoter-	promoter-	-504	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr2-2430	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr2	24300498	24302925	+	0	NA	intron (N	AluJr4|SI	58825	NM_001348	50618	Hs.432562	NM_006277	ENSG00000	ITSN2	PRO2015|S	intersect	protein-coding
chr2-7029	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr2	70299362	70299714	+	0	NA	intron (N	intron (N	2529	NM_032822	84908	Hs.516077	NM_032822	ENSG00000	FAM136A	-	family wi	protein-coding
chr20-342	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr20	34283042	34286002	+	0	NA	intron (N	intron (N	18468	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr22-193	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr22	19384695	19389106	+	0	NA	intron (N	intron (N	44833	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr22-237	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr22	23704634	23708851	+	0	NA	intron (N	L1PA16|LI	10326	NM_001329	266747	Hs.658997	NM_153615	ENSG00000	RGL4	Rgr	ral guani	protein-coding
chr22-386	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr22	38670844	38672693	+	0	NA	intron (N	MIR|SINE|	-10189	NM_020243	56993	Hs.595072	NM_020243	ENSG00000	TOMM22	1C9-2|MST	transloca	protein-coding
chr3-1502	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr3	15020515	15021527	+	0	NA	intron (N	intron (N	44294	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|R	mitochond	protein-coding
chr3-4845	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr3	48458610	48461337	+	0	NA	intron (N	intron (N	-5857	NM_007248	11277	Hs.707026	NM_007248	ENSG00000	TREX1	AGS1|CRV|	three pri	protein-coding
chr3-5815	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr3	58151795	58153413	+	0	NA	intron (N	MLT1A|LTR	18031	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1722	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	153236	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr4-7617	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr4	76171123	76176385	+	0	NA	intron (N	MIR|SINE|	-25239	NR_103781	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr4-8679	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr4	86792344	86793152	+	0	NA	intron (N	L1PA6|LIN	56636	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr5-1419	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	7947	NM_014773	9812	Hs.210532	NM_014773	ENSG00000	DELE1	DELE|KIAA	DAP3 binc	protein-coding
chr6-7360	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr6	73607872	73608784	+	0	NA	intron (N	MLT1K|LTR	45664	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr6-1361	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJr|SIN	-83644	NR_149042	644135	Hs.126980	NR_149042	ENSG00000	LOC644135	-	uncharact	ncRNA
chr6-1459	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	41891	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr6-1523	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-13933	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr6-1600	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	-29461	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr7-1492	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-9754	NR_144366	1E+08	Hs.490512	NM_001195	ENSG00000	ZNF783	-	zinc fing	protein-coding
chr8-2251	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr8	22513173	22524105	+	0	NA	intron (N	L1M2|LINE	-33288	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin an	protein-coding
chr8-6716	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr8	67161861	67167921	+	0	NA	intron (N	MER112|DN	81043	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-9628	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr8	96287053	96288235	+	0	NA	intron (N	intron (N	25742	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr8-9905	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr8	99053204	99054292	+	0	NA	intron (N	AluSx1|SI	40482	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-2033	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr9	2033092	2034032	+	0	NA	intron (N	intron (N	11617	NM_001289	6595	Hs.298990	NM_003070	ENSG00000	SMARCA2	BAF190|BR	SWI/SNF r	protein-coding
chr9-8934	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr9	89349761	89352224	+	0	NA	intron (N	intron (N	32141	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr9-9231	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr9	92316634	92323325	+	0	NA	intron (N	intron (N	5371	NM_017948	55035	Hs.442199	NM_017948	ENSG00000	NOL8	C9orf34|N	nucleolar	protein-coding
chr9-1308	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3553	NM_198180	347148	Hs.660704	NM_198180	ENSG00000	QRFP	26RFa|P51	pyrogluta	protein-coding
chr9-1372	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluJb|SIN	9814	NM_015456	25920	Hs.521809	NM_015456	ENSG00000	NELFB	COBRA1|NE	negative	protein-coding
chrX-4122	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chrX	41227956	41233314	+	0	NA	intron (N	intron (N	-45104	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chrX-1096	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chrX	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	-52523	NM_012282	23630	Hs.522753	NM_012282	ENSG00000	KCNE5	KCNE1L	potassium	protein-coding
chrX-1117	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chrX	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	71549	NM_001257	79868	Hs.443061	NM_018466	ENSG00000	ALG13	CDG1S|CXo	ALG13 UDP	protein-coding
chrX-1368	7.443545	0.241481	0.845008	0.285773	0.775052	0.981636	chrX	1.37E+08	1.37E+08	+	0	NA	non-codin	non-codin	3979	NR_002735	26787		NR_002735	ENSG00000	SNORD61	HBII-342|	small nuc	snoRNA
chr13-449	11.84544	-0.19512	0.683406	-0.28552	0.775248	0.981636	chr13	44961649	44966744	+	0	NA	intron (N	L1MEc|LIN	25275	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr2-3647	11.84544	-0.19512	0.683406	-0.28552	0.775248	0.981636	chr2	36470450	36477920	+	0	NA	intron (N	L1MB7|LIN	118407	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr5-1431	11.84544	-0.19512	0.683406	-0.28552	0.775248	0.981636	chr5	14314968	14319821	+	0	NA	intron (N	intron (N	-146589	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr6-3067	11.84544	-0.19512	0.683406	-0.28552	0.775248	0.981636	chr6	30675830	30679210	+	0	NA	intron (N	intron (N	-4467	NM_001164	8449	Hs.485060	NM_003587	ENSG00000	DHX16	DBP2|DDX1	DEAH-box	protein-coding
chr11-894	7.607247	-0.2412	0.845657	-0.28523	0.775471	0.981636	chr11	8948261	8948725	+	0	NA	intron (N	intron (N	-5460	NM_020646	56676	Hs.501852	NM_020646	ENSG00000	ASCL3	HASH3|SGN	achaete-s	protein-coding
chr16-281	7.607247	-0.2412	0.845657	-0.28523	0.775471	0.981636	chr16	28112886	28113415	+	0	NA	intron (N	intron (N	-49436	NM_001109	146395	Hs.91910	NM_144675	ENSG00000	GSG1L	PRO19651	GSG1 like	protein-coding
chr19-175	7.607247	-0.2412	0.845657	-0.28523	0.775471	0.981636	chr19	17560670	17562620	+	0	NA	intron (N	AluSz6|SI	5996	NM_024656	79709	Hs.418795	NM_024656	ENSG00000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr4-1222	7.607247	-0.2412	0.845657	-0.28523	0.775471	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	73288	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding

chr11-108	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr11	1.08E+08	1.08E+08	+		0	NA	intron (N	AluSc|SIN	25391	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr11-117	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr11	1.17E+08	1.17E+08	+		0	NA	intron (N	AluJb|SIN	11506	NM_001077	257160	Hs.591934	NM_207343	ENSG00000	RNF214	-	ring fing	protein-coding
chr14-309	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr14	30998053	30999717	+		0	NA	intron (N	FLAM_A|SI	15857	NR_030354	693209		NR_030354	ENSG00000	MIR624	MIRN624|h	microRNA	ncRNA
chr14-100	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr14	1.01E+08	1.01E+08	+		0	NA	intron (N	A-rich|Lo	-7580	NR_030528	768222		NR_030528	ENSG00000	MIR770	MIRN770|h	microRNA	ncRNA
chr15-434	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr15	43460737	43461902	+		0	NA	intron (N	AluJb|SIN	31837	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr19-490	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr19	49096324	49097701	+		0	NA	intron (N	AluSx|SIN	11561	NM_001301	6625	Hs.467097	NM_003089	ENSG00000	SNRNP70	RNPU1Z|RP	small nuc	protein-coding
chr2-3330	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr2	33306463	33308063	+		0	NA	intron (N	L1ME2|LIN	-111253	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-3653	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr2	36537126	36538956	+		0	NA	intron (N	intron (N	60127	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-1748	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr2	1.75E+08	1.75E+08	+		0	NA	intron (N	L3|LINE|C	-40754	NM_001039	1134	Hs.434479	NM_000079	ENSG00000	CHRNA1	ACHRA|ACH	cholinerg	protein-coding
chr20-472	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr20	47226460	47229142	+		0	NA	intron (N	intron (N	60834	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr3-1327	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr3	1.33E+08	1.33E+08	+		0	NA	exon (NM_	exon (NM_	-13494	NR_002811	348808	Hs.586111	NR_002811	ENSG00000	NPHP3-AS1	NCRNA0011	NPHP3 ant	ncRNA
chr3-1368	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr3	1.37E+08	1.37E+08	+		0	NA	intron (N	L1MB3|LIN	28661	NM_006153	4690	Hs.126889	NM_006153	ENSG00000	NCK1	NCK|NCKal	NCK adapt	protein-coding
chr4-7141	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr4	71418184	71420232	+		0	NA	intron (N	L1PA3|LIN	80155	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr5-7473	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr5	74736362	74739324	+		0	NA	intron (N	L2a|LINE|	29274	NR_104006	84340	Hs.277154	NM_032380	ENSG00000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-1404	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr5	1.4E+08	1.4E+08	+		0	NA	exon (NM_	exon (NM_	-61936	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr7-7656	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr7	76561255	76562548	+		0	NA	intron (N	L1PA4|LIN	12560	NR_029411	1E+08	Hs.712837	NR_029411	ENSG00000	LOC100133	-	uncharact	ncRNA
chr7-1211	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr7	1.21E+08	1.21E+08	+		0	NA	intron (N	L1MA4|LIN	166929	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr7-1289	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr7	1.29E+08	1.29E+08	+		0	NA	intron (N	intron (N	33764	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr7-1395	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr7	1.4E+08	1.4E+08	+		0	NA	3’ UTR (N	3’ UTR (N	45224	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr8-1730	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr8	17303757	17304832	+		0	NA	intron (N	intron (N	57336	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr8-2658	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr8	26584003	26587305	+		0	NA	intron (N	intron (N	7249	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr9-3624	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr9	36244763	36247013	+		0	NA	intron (N	intron (N	12560	NM_001190	10020	Hs.5920	NM_005476	ENSG00000	GNE	DMRV|GLCN	glucosami	protein-coding
chr9-9684	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr9	96843778	96844719	+		0	NA	intron (N	L1ME1|LIN	10266	NM_001346	158431	Hs.30567	NM_001001	ENSG00000	ZNF782	-	zinc fing	protein-coding
chr9-1288	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chr9	1.29E+08	1.29E+08	+		0	NA	intron (N	intron (N	-4170	NM_001352	883	Hs.495250	NM_004059	ENSG00000	KYAT1	CCBL1|GTK	kynurenin	protein-coding
chrX-2420	7.648387	-0.23843	0.835975	-0.28521	0.775484	0.981636	chrX	24207409	24209146	+		0	NA	exon (NM_	exon (NM_	58548	NM_001178	7543	Hs.336681	NM_003410	ENSG00000	ZFX	ZNF926	zinc fing	protein-coding
chr15-632	11.38398	-0.19889	0.698047	-0.28492	0.775706	0.981636	chr15	63258429	63258662	+		0	NA	intron (N	MER51A|LT	-19005	NM_001145	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr19-477	11.38398	-0.19889	0.698047	-0.28492	0.775706	0.981636	chr19	47726906	47728893	+		0	NA	intron (N	AluSx1|SI	14477	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr2-9719	11.38398	-0.19889	0.698047	-0.28492	0.775706	0.981636	chr2	97194901	97195165	+		0	NA	intron (N	MER5A1|DN	81880	NM_001354	375248	Hs.541894	NM_198555	ENSG00000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr1-9000	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr1	90005202	90006004	+		0	NA	3’ UTR (N	3’ UTR (N	10493	NM_181781	284695	Hs.306221	NM_181781	ENSG00000	ZNF326	ZAN75|ZIR	zinc fing	protein-coding
chr1-1700	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr1	1.7E+08	1.7E+08	+		0	NA	intron (N	intron (N	52801	NM_001204	22920	Hs.433442	NM_014970	ENSG00000	KIFAP3	FLA3|KAP-	kinesin a	protein-coding
chr11-119	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr11	11905398	11906389	+		0	NA	intron (N	intron (N	64470	NM_001330	55031	Hs.577256	NM_017944	ENSG00000	USP47	TRFP	ubiquitin	protein-coding
chr15-784	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr15	78445377	78446154	+		0	NA	intron (N	intron (N	7344	NM_001320	3658	Hs.436031	NM_004136	ENSG00000	IREB2	ACO3|IRE-	iron resp	protein-coding
chr16-218	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr16	21888886	21890583	+		0	NA	Intergeni	Intergeni	-22999	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-462	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr17	46209084	46209910	+		0	NA	intron (N	AluSz|SIN	15877	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr2-2613	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr2	26134796	26135733	+		0	NA	3’ UTR (N	3’ UTR (N	-37824	NM_001168	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 asso	protein-coding
chr2-3725	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr2	37251362	37256394	+		0	NA	non-codin	non-codin	22220	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|M	NADH:ubiq	protein-coding
chr2-3900	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr2	39005143	39006679	+		0	NA	intron (N	intron (N	-45567	NR_028386	375196	Hs.659035	NR_028386	ENSG00000	LOC375196	-	uncharact	ncRNA
chr2-1303	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr2	1.3E+08	1.3E+08	+		0	NA	intron (N	intron (N	-2581	NM_001321	84317	Hs.104203	NM_032357	ENSG00000	CCDC115	CDG20|ccp	coiled-co	protein-coding
chr22-297	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr22	29794325	29795183	+		0	NA	intron (N	L1ME3G|LI	27385	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr22-414	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr22	41438931	41441118	+		0	NA	intron (N	intron (N	6777	NM_016272	10766	Hs.474978	NM_016272	ENSG00000	TOB2	APRO5|TOB	transduce	protein-coding
chr3-1872	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr3	1.87E+08	1.87E+08	+		0	NA	intron (N	intron (N	-7049	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact	ncRNA
chr3-1913	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr3	1.91E+08	1.91E+08	+		0	NA	intron (N	intron (N	-33886	NR_120606	1.03E+08		NR_120606		LINCR-000	-	uncharact	ncRNA
chr4-6753	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr4	67538538	67539723	+		0	NA	intron (N	L1M5|LINE	6373	NM_001812	1060	Hs.479867	NM_001812	ENSG00000	CENPC	CENP-C|CE	centromer	protein-coding
chr4-9990	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr4	99905966	99907712	+		0	NA	intron (N	intron (N	-12293	NR_024170	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr5-3472	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr5	34723452	34724356	+		0	NA	intron (N	intron (N	36345	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-6570	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr5	65701779	65702130	+		0	NA	intron (N	MER3|DNA|	20155	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr6-1224	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr6	1.22E+08	1.22E+08	+		0	NA	Intergeni	L1PA14|LI	33127	NM_020755	57515	Hs.146668	NM_020755	ENSG00000	SERINC1	TDE1L|TDE	serine in	protein-coding
chr6-1495	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr6	1.5E+08	1.5E+08	+		0	NA	promoter-	promoter-	-146	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr8-5579	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr8	55794743	55797715	+		0	NA	intron (N	intron (N	22783	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr9-1055	7.179072	-0.24575	0.862754	-0.28484	0.775766	0.981636	chr9	1.06E+08	1.06E+08	+		0	NA	intron (N	intron (N	15597	NR_104269	26134	Hs.113150	NR_104269	ENSG00000	RALGAPA1P	GARNL2|GA	Ral GTPas	pseudo
chr13-491	7.940133	0.234932	0.825042	0.284751	0.775835	0.981636	chr13	49150084	49152942	+		0	NA	intron (N	L1M2|LINE	41196	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr2-1277	7.940133	0.234932	0.825042	0.284751	0.775835	0.981636	chr2	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	15405	NM_032740	84826	Hs.345849	NM_032740	ENSG00000	SFT2D3	-	SFT2 doma	protein-coding
chr5-3738	7.940133	0.234932	0.825042	0.284751	0.775835	0.981636	chr5	37383191	37384509	+		0	NA	intron (N	AluY|SINE	4532	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr6-8978	7.940133	0.234932	0.825042	0.284751	0.775835	0.981636	chr6	89783352	89784002	+		0	NA	intron (N	MER11A|LT	36117	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr7-6705	7.940133	0.234932	0.825042	0.284751	0.775835	0.981636	chr7	67050743	67052236	+		0	NA	intron (N	intron (N	54656	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chr2-8649	8.485718	0.22906	0.804749	0.284636	0.775923	0.981636	chr2	86499458	86500712	+		0	NA	Intergeni	MSTA-int|	58624	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr6-8964	7.573966	-0.24603	0.864441	-0.28461	0.775944	0.981636	chr6	89647723	89648023	+		0	NA	intron (N	AluJo|SIN	-9126	NM_020466	57226	Hs.177275	NM_020466	ENSG00000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr10-733	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr10	73364937	73366732	+		0	NA	Intergeni	L1MA6|LIN	-6970	NM_001367	118491	Hs.591367	NM_145170	ENSG00000	CFAP70	TTC18	cilia and	protein-coding
chr12-487	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr12	48777342	48778128	+		0	NA	exon (NM_	exon (NM_	-5698	NR_039850	1.01E+08		NR_039850	ENSG00000	MIR4701	-	microRNA	ncRNA
chr2-9453	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr2	9453198	9454988	+		0	NA	intron (N	intron (N	-20458	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-5532	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr2	55328882	55330058	+		0	NA	intron (N	L2c|LINE|	47151	NR_027258	344405	Hs.445292	NM_001080	ENSG00000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chr2-1279	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr2	1.28E+08	1.28E+08	+		0	NA	intron (N	AluJb|SIN	-69756	NM_001199	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr20-138	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr20	13814964	13815311	+		0	NA	intron (N	intron (N	30109	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubiq	protein-coding
chr20-632	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr20	63214109	63214308	+		0	NA	intron (N	intron (N	1923	NM_017798	54915	Hs.744852	NM_017798	ENSG00000	YTHDF1	C20orf21	YTH N6-me	protein-coding
chr4-8113	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr4	81133112	81133687	+		0	NA	intron (N	L1MEd|LIN	20758	NM_001282	5593	Hs.232044	NM_006259	ENSG00000	PRKG2	PKG2|PRKG	protein k	protein-coding
chr8-6317	6.393513	0.260373	0.915348	0.284453	0.776063	0.981636	chr8	63170766	63171091	+		0	NA	intron (N	intron (N	1925	NM_001277	253943	Hs.491861	NM_152758	ENSG00000	YTHDF3	-	YTH N6-me	protein-coding
chr16-474	5.735997	-0.29373	1.032933	-0.28437	0.77613	0.981636	chr16	47442269	47442626	+		0	NA	intron (N	L1PA4|LIN	18616	NM_030790	81533	Hs.42217	NM_030790	ENSG00000	ITFG1	2310047C2	integrin	protein-coding
chr9-1328	6.980238	0.253012	0.889995	0.284285	0.776192	0.981636	chr9	1.33E+08	1.33E+08	+		0	NA	intron (N	AluSc8|SI	20084	NM_001316	11092	Hs.62595	NM_018956	ENSG00000	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chr15-518	7.671961	-0.24398	0.858327	-0.28425	0.776217	0.981636	chr15	51893444	51894088	+		0	NA	intron (N	AluYk2|SI	30354	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr21-465	6.385655	0.262624	0.924146	0.28418	0.776273	0.981636	chr21	46536529	46537832	+		0	NA	intron (N	intron (N	67902	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr10-499	7.484684	0.243285	0.856795	0.283948	0.77645	0.981636	chr10	49970120	49970775	+		0	NA	non-codin	non-codin	16235	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr12-236	7.484684	0.243285	0.856795	0.283948	0.77645	0.981636	chr12	23601727	23604793	+		0	NA	intron (N	intron (N	-18674	NM_178010	6660	Hs.434948	NM_006940	ENSG00000	SOX5	L-SOX5|L-	SRY-box t	protein-coding
chr3-1345	7.484684	0.243285	0.856795	0.283948	0.77645	0.981636	chr3	1.35E+08	1.35E+08	+		0	NA	intron (N	L1PA3|LIN	69241	NM_001353	80254	Hs.443301	NM_025180	ENSG00000	CEP63	SCKL6	centrosom	protein-coding
chr5-3710	7.484684	0.243285	0.856795	0.283948	0.77645	0.981636	chr5	37104045	37105338	+		0	NA	Intergeni	AluSq2|SI	-144355	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr1-2781	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	27812349	27813648	+		0	NA	intron (N	intron (N	-17784	NM_002713	5511	Hs.533474	NM_002713	ENSG00000	PPP1R8	ARD-1|ARD	protein p	protein-coding
chr1-4634	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	46344884	46346062	+		0	NA	intron (N	MIR|SINE|	4295	NM_001256	387338	Hs.163424	NM_199044	ENSG00000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr1-1179	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	1.18E+08	1.18E+08	+		0	NA	intron (N	intron (N	17662	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-1739	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	1.74E+08	1.74E+08	+		0	NA	intron (N	L1MC3|LIN	4163	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-2306	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	2.31E+08	2.31E+08	+		0	NA	exon (NM_	exon (NM_	18279	NM_007357	22796	Hs.211800	NM_007357	ENSG00000	COG2	CDG2Q|LDL	component	protein-coding
chr1-2351	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	2.35E+08	2.35E+08	+		0	NA	intron (N	AluSx3|SI	1925	NR_002956	677802	Hs.744743	NR_002956	ENSG00000	SNORA14B	ACA14b	small nuc	snoRNA
chr1-2356	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr1	2.36E+08	2.36E+08	+		0	NA	intron (N	intron (N	-25290	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G protein	protein-coding
chr12-302	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr12	302151	304212	+		0	NA	intron (N	L1PA7|LIN	-40308	NM_001190	6540	Hs.504398	NM_016615	ENSG00000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-563	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr12	56310636	56313602	+		0	NA	intron (N	AluYk4|SI	3869	NM_014255	10330	Hs.8752	NM_014255	ENSG00000	CNPY2	HP10390|M	canopy FG	protein-coding
chr13-952	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr13	95237120	95237621	+		0	NA	intron (N	intron (N	27026	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr19-126	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr19	12602345	12602544	+		0	NA	intron (N	AluSx1|SI	8369	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr2-1018	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr2	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	-95850	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr21-437	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr21	43791978	43792852	+		0	NA	intron (N	intron (N	2838	NM_003683	8568	Hs.110757	NM_003683	ENSG00000	RRP1	D21S2056E	ribosomal	protein-coding
chr22-296	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr22	29642625	29644461	+		0	NA	intron (N	SVA_D|Ret	39910	NM_181831	4771	Hs.187898	NM_000268	ENSG00000	NF2	ACN|BANF|	neurofibr	protein-coding
chr3-4592	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr3	45922547	45924082	+		0	NA	intron (N	intron (N	-7590	NM_001276	54585	Hs.30824	NM_020347	ENSG00000	LZTFL1	BBS17	leucine z	protein-coding
chr3-1978	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr3	1.98E+08	1.98E+08	+		0	NA	intron (N	intron (N	72580	NM_001134	84223	Hs.591675	NM_032263	ENSG00000	IQCG	CFAP122|D	IQ motif	protein-coding
chr5-1483	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr5	1.48E+08	1.48E+08	+		0	NA	intron (N	intron (N	15384	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr6-5351	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr6	53519799	53520864	+		0	NA	intron (N	intron (N	24770	NM_001498	2729	Hs.654465	NM_001498	ENSG00000	GCLC	GCL|GCS|G	glutamate	protein-coding
chr6-1335	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr6	1.34E+08	1.34E+08	+		0	NA	intron (N	L2a|LINE|	-287888	NR_027030	154089	Hs.126165	NR_027030		LINC01312	-	long inte	ncRNA
chr6-1596	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr6	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	4791	NM_001024	6648	Hs.487046	NM_000636	ENSG00000	SOD2	IPO-B|IPO	superoxid	protein-coding
chr7-6677	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr7	66773782	66777268	+		0	NA	intron (N	intron (N	19643	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr8-2197	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr8	21970444	21971840	+		0	NA	intron (N	Tigger3c|	51480	NM_001362	23039	Hs.172685	NM_015024	ENSG00000	XPO7	EXP7|RANB	exportin	protein-coding
chr8-1280	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr8	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	5516	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr9-1230	7.947991	0.233031	0.821101	0.283803	0.776562	0.981636	chr9	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	32287	NM_005294	2844	Hs.722039	NM_005294	ENSG00000	GPR21	-	G protein	protein-coding
chr5-3121	6.475792	0.264188	0.931099	0.283738	0.776611	0.981636	chr5	312122	312583	+		0	NA	intron (N	intron (N	8176	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr11-618	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr11	61840731	61842265	+		0	NA	intron (N	FLAM_A|SI	13198	NM_004265	9415	Hs.502745	NM_004265	ENSG00000	FADS2	D6D|DES6|	fatty aci	protein-coding
chr12-293	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr12	29323341	29324025	+		0	NA	intron (N	L1PA4|LIN	-5835	NR_103860	1.01E+08	Hs.298851	NR_103860	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-104	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr14	1.05E+08	1.05E+08	+		0	NA	exon (NM_	exon (NM_	22660	NR_162135	1.13E+08		NR_162135		MIR12121	-	microRNA	ncRNA
chr15-996	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr15	99690088	99691248	+		0	NA	intron (N	L1MA4A|LI	42769	NM_001284	145748	Hs.562568	NM_152449	ENSG00000	LYSMD4	-	LysM doma	protein-coding
chr16-207	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr16	2076450	2077319	+		0	NA	intron (N	intron (N	13400	NR_030646	1E+08		NR_030646	ENSG00000	MIR1225	MIRN1225	microRNA	ncRNA
chr16-234	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr16	23489558	23491890	+		0	NA	intron (N	AluSx1|SI	19770	NM_015044	23062	Hs.460336	NM_015044	ENSG00000	GGA2	VEAR	golgi ass	protein-coding
chr16-679	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr16	67927673	67928904	+		0	NA	3’ UTR (N	3’ UTR (N	3574	NM_001907	1506	Hs.654546	NM_001907	ENSG00000	CTRL	CTRL1	chymotryp	protein-coding
chr19-874	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr19	874051	875126	+		0	NA	intron (N	MIR|SINE|	14924	NM_001928	1675	Hs.155597	NM_001928	ENSG00000	CFD	ADIPSIN|A	complemen	protein-coding
chr19-109	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr19	10918560	10919998	+		0	NA	intron (N	L1ME4b|LI	9360	NM_024029	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-8789	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr2	8789958	8791162	+		0	NA	intron (N	intron (N	47053	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr20-639	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr20	63959673	63961455	+		0	NA	intron (N	intron (N	-4148	NM_001353	54963	Hs.504998	NM_017859	ENSG00000	UCKL1	UCK1L|URK	uridine-c	protein-coding
chr3-2827	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr3	28272100	28274667	+		0	NA	intron (N	L1PA10|LI	31764	NR_138585	152100	Hs.444724	NM_182523	ENSG00000	CMC1	C3orf68	C-X9-C mo	protein-coding
chr4-9991	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr4	99919280	99919959	+		0	NA	intron (N	L1MD1|LIN	-25073	NR_024170	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr5-1723	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr5	1.72E+08	1.72E+08	+		0	NA	intron (N	intron (N	73825	NM_001308	285590	Hs.285666	NM_001017	ENSG00000	SH3PXD2B	FAD49|FTH	SH3 and P	protein-coding
chr7-7280	6.442511	0.259991	0.917491	0.283371	0.776892	0.981636	chr7	72806459	72807145	+		0	NA	intron (N	AluJr|SIN	21398	NM_001145	441250	Hs.488614	NM_001145	ENSG00000	TYW1B	LINC00069	tRNA-yW s	protein-coding
chr1-9489	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	948955	956943	+		0	NA	intron (N	intron (N	6307	NM_015658	26155	Hs.405987	NM_015658	ENSG00000	NOC2L	NET15|NET	NOC2 like	protein-coding
chr1-1197	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	11972408	11974473	+		0	NA	intron (N	AluSz6|SI	-6741	NM_014874	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusin	protein-coding
chr1-3134	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	31348097	31351335	+		0	NA	intron (N	L1ME4a|LI	23360	NM_004102	2170	Hs.576372	NM_004102	ENSG00000	FABP3	FABP11|H-	fatty aci	protein-coding
chr1-1164	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	1.16E+08	1.16E+08	+		0	NA	intron (N	intron (N	15990	NR_024126	84852	Hs.664752	NM_032766	ENSG00000	ATP1A1-AS	ATP1A1OS|	ATP1A1 an	ncRNA
chr1-1179	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	1.18E+08	1.18E+08	+		0	NA	intron (N	AluSz|SIN	12644	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-2008	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr1	2.01E+08	2.01E+08	+		0	NA	Intergeni	Intergeni	-9306	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G protein	protein-coding
chr10-793	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr10	79312959	79315697	+		0	NA	3’ UTR (N	3’ UTR (N	-33141	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr11-182	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr11	18292093	18298731	+		0	NA	intron (N	intron (N	26728	NM_007216	11234	Hs.437599	NM_007216	ENSG00000	HPS5	AIBP63|BL	HPS5 biog	protein-coding
chr11-688	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr11	68802053	68806421	+		0	NA	intron (N	intron (N	37679	NM_001876	1374	Hs.503043	NM_001876	ENSG00000	CPT1A	CPT1|CPT1	carnitine	protein-coding

chr11-773	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr11	77330405	77331505	+	0	NA	intron (N	L1PA4|LIN	-29289	NM_182833	220032	Hs.249795	NM_182833	ENSG0000	GDPD4	GDE6	glyceroph	protein-coding
chr12-226	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr12	22678730	22679484	+	0	NA	intron (N	MLT2B3|LT	53936	NM_001039	55500	Hs.29464	NM_018638	ENSG0000	ETNK1	EKI|EKI 1	ethanolam	protein-coding
chr12-481	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr12	48139780	48141301	+	0	NA	intron (N	intron (N	7743	NR_10676	1.02E+08		NR_10676	ENSG0000	MIR6505	hsa-mir-6	microRNA	ncRNA
chr12-112	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-12267	NR_106921	1.02E+08		NR_106921	ENSG0000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr12-113	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	MER58A|DN	-11173	NR_106956	1.02E+08		NR_106956	ENSG0000	MIR7106	hsa-mir-7	microRNA	ncRNA
chr12-123	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-23520	NM_207437	196385	Hs.622654	NM_207437	ENSG0000	DNAH10	-	dynein ax	protein-coding
chr15-427	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr15	42723503	42727131	+	0	NA	intron (N	intron (N	11811	NM_138477	146059	Hs.599232	NM_138477	ENSG0000	CDAN1	CDA1|CDAI	codanin 1	protein-coding
chr16-682	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr16	68254068	68256154	+	0	NA	intron (N	intron (N	-9415	NM_003983	9057	Hs.67958	NM_003983	ENSG0000	SLC7A6	LAT-2|LAT	solute ca	protein-coding
chr16-698	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr16	69876493	69877352	+	0	NA	intron (N	Tigger1|D	38185	NM_00127	11060	Hs.408458	NM_007014	ENSG0000	WWP2	AIP2|WWp2	WW domair	protein-coding
chr16-714	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr16	71476098	71478550	+	0	NA	intron (N	intron (N	12000	NM_006961	7567	Hs.660076	NM_006961	ENSG0000	ZNF19	KOX12	zinc fing	protein-coding
chr16-892	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr16	89277873	89283169	+	0	NA	exon (NM_	exon (NM_	-15607	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG0000	LOC105371	-	uncharact	ncRNA
chr17-763	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr17	76328798	76329405	+	0	NA	intron (N	AluJo|SIN	-21421	NM_032134	84074	Hs.252739	NM_032134	ENSG0000	QRICH2	SPGF35	glutamine	protein-coding
chr17-771	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr17	77167403	77168578	+	0	NA	intron (N	LTR10B1|L	-17223	NM_001144	6397	Hs.464184	NM_003003	ENSG0000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr18-232	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr18	23244119	23247608	+	0	NA	intron (N	intron (N	90038	NM_138375	91768	Hs.11108	NM_138375	ENSG0000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr19-184	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr19	18435439	18435992	+	0	NA	intron (N	CpG-14071	1594	NM_001253	51477	Hs.405873	NM_016368	ENSG0000	ISYNA1	INO1|INOS	inositol-	protein-coding
chr2-2012	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	15042	NM_033356	841	Hs.599762	NM_001228	ENSG0000	CASP8	ALPS2B|CA	caspase 8	protein-coding
chr2-2393	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr2	2.39E+08	2.39E+08	+	0	NA	promoter-	promoter-	-518	NR_039948	1.01E+08		NR_039948	ENSG0000	MIR2467	mir-2467	microRNA	ncRNA
chr20-943	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr20	9435917	9436706	+	0	NA	intron (N	intron (N	-78047	NM_001199	24141	Hs.22920	NM_012261	ENSG0000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr20-414	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr20	41414356	41416080	+	0	NA	exon (NM_	exon (NM_	-48400	NM_052846	90187	Hs.726525	NM_052846	ENSG0000	EMILIN3	C20orf13	elastin m	protein-coding
chr21-393	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr21	39308254	39311584	+	0	NA	intron (N	L1MC5a|LI	3713	NM_018963	54014	Hs.627139	NM_018963	ENSG0000	BRWD1	C21orf107	bromodoma	protein-coding
chr22-353	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr22	35389836	35394701	+	0	NA	intron (N	Charlie1a	-7872	NM_006739	4174	Hs.517582	NM_006739	ENSG0000	MCM5	CDC46|MGC	minichrom	protein-coding
chr22-501	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr22	50193330	50194930	+	0	NA	intron (N	intron (N	3543	NM_00132	80305	Hs.517731	NM_025204	ENSG0000	TRABD	LP6054|PF	TraB doma	protein-coding
chr3-4883	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr3	48837882	48839069	+	0	NA	intron (N	AluSx|SIN	9399	NM_001321	5576	Hs.631923	NM_004157	ENSG0000	PRKAR2A	PKR2|PRKA	protein k	protein-coding
chr5-1067	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr5	10679713	10683110	+	0	NA	intron (N	intron (N	79823	NM_004394	1611	Hs.75189	NM_004394	ENSG0000	DAP	-	death ass	protein-coding
chr7-2214	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr7	2214821	2218330	+	0	NA	intron (N	L1MC1|LIN	16370	NM_001304	8379	Hs.654838	NM_00355	ENSG0000	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr7-1028	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA4|LIN	78562	NM_001145	222234	Hs.202543	NM_147194	ENSG0000	FAM185A	-	family wi	protein-coding
chr8-2775	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr8	27750881	27752583	+	0	NA	intron (N	intron (N	20908	NR_156432	55246	Hs.445512	NM_018246	ENSG0000	CCDC25	-	coiled-cc	protein-coding
chr8-1334	6.946957	0.249036	0.878933	0.283338	0.776917	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	75539	NM_003033	6482	Hs.374257	NM_003033	ENSG0000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chrX-155	5.896925	0.270743	0.955749	0.283278	0.776964	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	intron (N	L1MEc|LIN	6453	NM_001242	79184	Hs.558537	NM_024332	ENSG0000	BRCC3	BRCC36|C6	BRCA1/BRC	protein-coding
chr1-2446	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr1	24466030	24467263	+	0	NA	TTS (NM_	TTS (NM_	-35698	NM_001251	11123	Hs.656799	NM_013441	ENSG0000	RCAN3	DSCR1L2|M	RCAN fami	protein-coding
chr1-1089	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20246	NM_001278	23155	Hs.658489	NM_015127	ENSG0000	CLCC1	MCLC	chloride	protein-coding
chr10-876	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr10	87665651	87667590	+	0	NA	intron (N	intron (N	6742	NM_001015	9060	Hs.524491	NM_00467	ENSG0000	PAPSS2	ATPSK2|BC	3’-phosph	protein-coding
chr10-889	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr10	88936891	88943119	+	0	NA	TTS (NR_1	TTS (NR_1	7321	NR_125373	1E+08		NR_125373	ENSG0000	ACTA2-AS1	UC001kfo|	ACTA2 ant	ncRNA
chr10-100	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq4|SI	-15141	NM_017893	57715	Hs.591923	NM_017893	ENSG0000	SEMA4G	-	semaphori	protein-coding
chr10-109	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	34668	NM_001324	7511	Hs.390623	NM_020383	ENSG0000	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr10-119	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L1ME4b|LI	27318	NM_00719	11196	Hs.435004	NM_00719	ENSG0000	SEC23IP	MSTP053|P	SEC23 int	protein-coding
chr11-295	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr11	2953475	2955216	+	0	NA	intron (N	intron (N	9548	NR_002982	677833	Hs.689696	NR_002982	ENSG0000	SNORA54	ACA54	small nuc	snoRNA
chr11-330	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr11	33084747	33086826	+	0	NA	intron (N	intron (N	9636	NR_015451	283267	Hs.533701	NR_015451	ENSG0000	LINC00294	NCRNA0029	long inte	ncRNA
chr12-530	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr12	53055164	53059730	+	0	NA	TTS (NR_1	TTS (NR_1	503	NR_106815	1.02E+08		NR_106815	ENSG0000	MIR6757	hsa-mir-6	microRNA	ncRNA
chr12-111	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15043	NM_001291	10019	Hs.506784	NM_005475	ENSG0000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr14-965	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr14	96521603	96522455	+	0	NA	intron (N	AluSz|SIN	19164	NM_001293	10914	Hs.253726	NM_032632	ENSG0000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr14-100	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_	TTS (NR_	111	NR_003198	767582		NR_003198	ENSG0000	SNORD114-	14q(II-6)	small nuc	snoRNA
chr14-101	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-900	NR_029874	494331		NR_029874	ENSG0000	MIR382	MIRN382|M	microRNA	ncRNA
chr15-283	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr15	28311053	28313054	+	0	NA	intron (N	intron (N	10099	NM_004667	8924	Hs.43489	NM_004667	ENSG0000	HERC2	D15F37S1|	HECT and	protein-coding
chr16-892	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr16	8929543	8930210	+	0	NA	intron (N	intron (N	6763	NM_001286	7874	Hs.386939	NM_00347	ENSG0000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr16-146	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr16	14638096	14638421	+	0	NA	intron (N	AluJr|SIN	5307	NM_016561	51283	Hs.435556	NM_016561	ENSG0000	BFAR	BAR|RNF47	bifunctio	protein-coding
chr18-566	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr18	56620251	56623563	+	0	NA	intron (N	AluSq|SIN	16685	NR_024546	9352	Hs.114412	NM_004786	ENSG0000	TXNL1	HEL-S-114	thioredox	protein-coding
chr2-8787	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr2	8787450	8789043	+	0	NA	intron (N	MER103C|D	49367	NM_001348	57498	Hs.9873	NM_020738	ENSG0000	KIDINS22	ARMS|SINC	kinase D	protein-coding
chr2-3856	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr2	38564074	38565631	+	0	NA	intron (N	intron (N	38076	NM_138394	92906	Hs.445497	NM_138394	ENSG0000	HNRNPLL	HNRPLL|SR	heteroger	protein-coding
chr2-1012	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-14334	NR_00307	692205	Hs.656503	NR_00307	ENSG0000	SNORD89	HBII-289	small nuc	snoRNA
chr2-1213	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-77141	NM_014553	29842	Hs.156471	NM_014553	ENSG0000	TFCP2L1	CRTR1|LBP	transcrip	protein-coding
chr2-1894	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	33049	NM_032168	84128	Hs.399984	NM_032168	ENSG0000	WDR75	NET16|UTP	WD repeat	protein-coding
chr20-490	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr20	49083897	49085306	+	0	NA	intron (N	intron (N	38289	NM_001316	1434	Hs.90073	NM_001316	ENSG0000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr22-176	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr22	17684586	17684875	+	0	NA	intron (N	AluSp|SIN	-21928	NM_00127	23786	Hs.631672	NM_015367	ENSG0000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-385	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr3	38503580	38506099	+	0	NA	intron (N	Kanga2_a|	8499	NR_134938	9941	Hs.517897	NM_005107	ENSG0000	EXOG	ENDOGL1|E	exo/endor	protein-coding
chr3-1225	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L2a|LINE|	-2618	NM_001146	83666	Hs.51820	NM_031458	ENSG0000	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr3-1393	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	4482	NM_001363	56945	Hs.745001	NM_020191	ENSG0000	MRPS22	C3orf5|CO	mitochond	protein-coding
chr3-1795	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	TTS (NM_1	TTS (NM_1	15987	NM_020409	57129	Hs.283734	NM_020409	ENSG0000	MRPL47	CGI-204|I	mitochond	protein-coding
chr5-1284	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	Charlie23	136886	NM_001999	2201	Hs.519294	NM_001999	ENSG0000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr5-134	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	2990	NR_036625	7416	Hs.51932	NM_003374	ENSG0000	VDAC1	PORIN|VDA	voltage d	protein-coding
chr5-1416	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJr4|SI	-8278	NM_005219	1729	Hs.529451	NM_005219	ENSG0000	DIAPH1	DFNA1|DIA	diaphanou	protein-coding
chr7-6575	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr7	65754615	65755421	+	0	NA	promoter-	promoter-	-508	NR_002961	677807	Hs.675336	NR_002961	ENSG0000	SNORA22	ACA22|SNO	small nuc	snoRNA
chr7-1213	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	9344	NM_057168	51384	Hs.272375	NM_016087	ENSG0000	WNT16	-	Wnt famil	protein-coding
chr8-8339	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr8	8339024	8340544	+	0	NA	intron (N	intron (N	46460	NM_001369	157285	Hs.583863	NM_00108	ENSG0000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr8-2774	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr8	27747295	27747626	+	0	NA	intron (N	MLT1D|LTR	25180	NR_156432	55246	Hs.445512	NM_018246	ENSG0000	CCDC25	-	coiled-cc	protein-coding
chr8-5398	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr8	53985205	53987184	+	0	NA	intron (N	MLT1I|LTR	36254	NM_201437	6917	Hs.491745	NM_006756	ENSG0000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr9-3331	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr9	33311093	33316981	+	0	NA	intron (N	AluSx1|SI	23521	NM_147134	4799	Hs.413074	NM_002504	ENSG0000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-1208	7.640529	-0.23669	0.835824	-0.28318	0.777041	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	L2|LINE|L	12958	NM_005047	5711	Hs.193725	NM_005047	ENSG0000	PSMD5	S5B	proteasom	protein-coding
chr11-466	7.137933	-0.24854	0.878057	-0.28305	0.777135	0.981636	chr11	46658761	46659096	+	0	NA	intron (N	AluJo|SIN	41652	NM_001346	9776	Hs.127403	NM_014741	ENSG0000	ATG13	KIAA0652|	autophagy	protein-coding
chr13-45	7.137933	-0.24854	0.878057	-0.28305	0.777135	0.981636	chr13	45023781	45024533	+	0	NA	intron (N	(TG)n|Sim	34619	NM_018559	55425	Hs.731811	NM_018559	ENSG0000	GPALPP1	AD029|KIA	GPALPP mo	protein-coding
chr19-469	7.137933	-0.24854	0.878057	-0.28305	0.777135	0.981636	chr19	46920730	46920969	+	0	NA	exon (NM_	exon (NM_	59852	NM_004491	2909	Hs.509447	NM_004491	ENSG0000	ARHGAP35	GRF-1|GRL	Rho GTPas	protein-coding
chr15-637	11.88658	-0.19342	0.683374	-0.28303	0.777151	0.981636	chr15	63775150	63775364	+	0	NA	exon (NM_	exon (NM_	58691	NM_003922	8925	Hs.210385	NM_003922	ENSG0000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr3-1198	11.88658	-0.19342	0.683374	-0.28303	0.777151	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	80374	NM_022002	8856	Hs.7303	NM_003889	ENSG0000	NR1I2	BXR|ONR1|	nuclear r	protein-coding
chr17-189	7.959548	0.255895	0.904711	0.282848	0.777294	0.981636	chr17	1898550	1898801	+	0	NA	3’ UTR (N	3’ UTR (N	68670	NM_001355	6117	Hs.461925	NM_002945	ENSG0000	RPA1	HSSB|MSTO	replicati	protein-coding
chr1-2064	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr1	20647867	20649996	+	0	NA	non-codir	non-codir	3262	NR_046507	1.01E+08	Hs.710259	NR_046507	ENSG0000	PINK1-AS	NAPINK1|P	PINK1 ant	ncRNA
chr10-127	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSq2|SI	130763	NM_001039	642938	Hs.613882	NM_001039	ENSG0000	INSYN2A	C10orf141	inhibitor	protein-coding
chr15-446	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr15	44635462	44635817	+	0	NA	intron (N	AluSx|SIN	28023	NM_00116	80208	Hs.656271	NM_025137	ENSG0000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr17-928	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr17	928988	929192	+	0	NA	intron (N	MER102a|D	19458	NR_135633	1.02E+08	Hs.666198	NR_135633	ENSG0000	LOC101927	-	uncharact	ncRNA
chr17-766	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr17	76684814	76686002	+	0	NA	intron (N	intron (N	3255	NM_001363	439921	Hs.250723	NM_19853	ENSG0000	MXRA7	-	matrix re	protein-coding
chr19-304	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr19	304935	307419	+	0	NA	3’ UTR (N	3’ UTR (N	-14774	NM_003712	8612	Hs.465506	NM_003712	ENSG0000	PLPP2	LPP2|PAP-	phospholi	protein-coding
chr5-373	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr5	37306745	37307760	+	0	NA	intron (N	intron (N	-57824	NM_023073	65250	Hs.586199	NM_023073	ENSG0000	CPLANE1	C5orf42|H	ciliogene	protein-coding
chr5-1543	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-9571	NR_031626	1E+08		NR_031626	ENSG0000	MIR1294	MIRN1294|	microRNA	ncRNA
chr7-5598	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr7	55985416	55987509	+	0	NA	intron (N	AluSz|SIN	21877	NM_001483	2631	Hs.591069	NM_001483	ENSG0000	NIPSNAP2	GBAS	nipsnap h	protein-coding
chr9-1143	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME4a|LI	7591	NM_001317	80709	Hs.494895	NM_030767	ENSG0000	AKNA	-	AT-hook t	protein-coding
chr9-1326	6.401371	0.258095	0.912558	0.282826	0.77731	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	22237	NM_001322	64794	Hs.660767	NM_022779	ENSG0000	DDX31	PPP1R25	DEAD-box	protein-coding
chr14-884	11.83758	-0.19397	0.685977	-0.28276	0.777361	0.981636	chr14	88415032	88419283	+	0	NA	intron (N	L1MCb|LIN	31500	NM_018418	55812	Hs.525518	NM_018418	ENSG0000	SPATA7	HEL-S-296	spermatog	protein-coding
chr1-2549	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr1	25490854	25493039	+	0	NA	intron (N	L2c|LINE|	-51639	NM_015627	26119	Hs.590911	NM_015627	ENSG0000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr1-4277	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr1	42775605	42776764	+	0	NA	TTS (NR_1	TTS (NR_1	8711	NR_133055	1.05E+08	Hs.656494	NR_133055		LOC105378	-	uncharact	ncRNA
chr1-7774	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr1	77740401	77740960	+	0	NA	intron (N	intron (N	19172	NM_201626	23032	Hs.480597	NM_015017	ENSG0000	USP33	VDU1	ubiquitin	protein-coding
chr10-919	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr10	91988820	91990352	+	0	NA	intron (N	intron (N	65816	NM_003972	9044	Hs.500526	NM_003972	ENSG0000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-639	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr11	63946178	63946402	+	0	NA	intron (N	AluJb|SIN	6959	NM_00130	79829	Hs.523753	NM_024771	ENSG0000	NAA40	NAT11|Nat	N(alpha)-	protein-coding
chr11-117	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	24298	NM_014956	22897	Hs.504009	NM_014956	ENSG0000	CEP164	NPHP15	centrosom	protein-coding
chr12-117	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-40625	NR_103809	1.01E+08	Hs.657861	NR_103809	ENSG0000	LOC100506	-	uncharact	ncRNA
chr13-445	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr13	44537543	44541118	+	0	NA	intron (N	intron (N	-36566	NR_038381	641467	Hs.624196	NR_038381	ENSG0000	TSC22D1-A	-	TSC22D1 a	ncRNA
chr14-313	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr14	31398763	31402139	+	0	NA	exon (NM_	exon (NM_	20099	NM_015473	25938	Hs.744979	NM_015473	ENSG0000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-547	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr14	54784644	54788493	+	0	NA	intron (N	intron (N	31735	NM_001161	23034	Hs.98259	NM_015589	ENSG0000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr15-49	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr15	49020634	49021923	+	0	NA	intron (N	MLT1A0|LT	25168	NM_001193	9728	Hs.9997	NM_014701	ENSG0000	SECISBP2L	SBP2L|SLA	SECIS bir	protein-coding
chr15-70	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr15	70057142	70061067	+	0	NA	intron (N	intron (N	20364	NR_030714	693214		NR_030714	ENSG0000	MIR629	MIRN629|h	microRNA	ncRNA
chr15-762	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr15	76276669	76279788	+	0	NA	intron (N	L2a|LINE|	-18076	NR_02851	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr17-188	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr17	18883057	18884452	+	0	NA	intron (N	intron (N	18285	NM_001243	5636	Hs.632236	NM_002767	ENSG0000	PRPSAP2	PAP41	phosphori	protein-coding
chr2-6077	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr2	60774512	60777368	+	0	NA	intron (N	AluSx3|SI	19672	NM_022894	64895	Hs.387471	NM_022894	ENSG0000	PAPOLG	-	poly(A) p	protein-coding
chr4-5709	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr4	57090020	57092186	+	0	NA	intron (N	intron (N	-18659	NR_034081	255130	Hs.691061	NR_034081	ENSG0000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr5-3211	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr5	32113425	32114822	+	0	NA	Intergeni	AluJb|SIN	60196	NM_02213	64083	Hs.408909	NM_02213	ENSG0000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr5-1345	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	47701	NM_015288	23338	Hs.732155	NM_015288	ENSG0000	JADE2	JADE-2|PH	jade fami	protein-coding
chr6-2778	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr6	2778879	2782699	+	0	NA	intron (N	intron (N	-10413	NM_001347	340156	Hs.12783	NM_001012	ENSG0000	MYLK4	SgK085	myosin li	protein-coding
chr6-3169	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr6	31693044	31693515	+	0	NA	intron (N	intron (N	7812	NR_039789	1.01E+08		NR_039789	ENSG0000	MIR4646	mir-4646	microRNA	ncRNA
chr6-9652	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr6	96525220	96526480	+	0	NA	intron (N	intron (N	4044	NM_015323	23376	Hs.149367	NM_015323	ENSG0000	UFL1	KIAA0776|	UFM1 spec	protein-coding
chr7-8564	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr7	856471	865020	+	0	NA	intron (N	THE1B|LTR	-15809	NM_015949	51608	Hs.107387	NM_015949	ENSG0000	GET4	C7orf20|C	guided er	protein-coding
chr7-6596	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr7	65962467	65964343	+	0	NA	intron (N	intron (N	18808	NM_001293	2990	Hs.25523	NM_000181	ENSG0000	GUSB	BG|MPS7	glucuroni	protein-coding
chr7-7454	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr7	74544323	74548166	+	0	NA	intron (N	AluSx1|SI	-49724	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr9-5736	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr9	5736327	5737288	+	0	NA	intron (N	L1MEc|LIN	96310	NM_024896	79956	Hs.591078	NM_024896	ENSG0000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-1089	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	MLT2C2|LT	18667	NM_001318	8518	Hs.494738	NM_00364	ENSG0000	ELP1	DYS|FD|IK	elongator	protein-coding
chr9-1274	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	41501	NM_001005	90678	Hs.495188	NM_138361	ENSG0000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr9-1315	7.451403	0.239505	0.847397	0.282636	0.777456	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	34489	NM_001365	642515		NM_001365	ENSG0000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr1-2444	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	intron (N	20377	NM_001126	159	Hs.498313	NM_001126	ENSG0000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr17-825	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr17	82568367	82569818	+	0	NA	intron (N	intron (N	49360	NM_004514	3607	Hs.59114	NM_004514	ENSG0000	FOXK2	ILF|ILF-1	forkhead	protein-coding
chr2-946	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr2	9460016	9460264	+	0	NA	intron (N	intron (N	-14411	NM_00132	285148	Hs.667226	NM_001039	ENSG0000	IAH1	-	isoamyl a	protein-coding
chr2-3639	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr2	36396562	36397155	+	0	NA	intron (N	intron (N	41080	NM_016441	51232	Hs.699247	NM_016441	ENSG0000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-4391	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr2	43911684	43912354	+	0	NA	intron (N	MIRb|SINE	73048	NM_022437	64241	Hs.413931	NM_022437	ENSG0000	ABCG8	GBD4|STSL	ATP bindi	protein-coding
chr5-3155	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr5	31551532	31553173	+	0	NA	intron (N	intron (N	20051	NM_018356	55322	Hs.519246	NM_018356	ENSG0000	C5orf22	-	chromosom	protein-coding
chr9-1298	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26034	NR_106914	1.02E+08		NR_106914	ENSG0000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr9-1316	6.897959	0.249303	0.882495	0.282497	0.777562	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	70087	NM_001365	642515		NM_001365	ENSG0000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr16-691	8.990164	0.22243	0.787552	0.282432	0.777612	0.981636	chr16	69118021	69118348	+	0	NA	TTS (NM_	TTS (NM_	10644	NM_005329	3038	Hs.592069	NM_005329	ENSG0000	HAS3	-	hyalurona	protein-coding

chr6-303	8.990164	0.22243	0.787552	0.282432	0.777612	0.981636	chr6	30335992	30336931	+		0	NA	intron (	Tigger1|	7150	NM_00119	202658	Hs.41349	NM_00119	ENSG0000	TRIM39-R	TRIM39R	TRIM39-R	protein-coding
chr14-73	6.717616	-0.25576	0.906427	-0.28217	0.777817	0.981636	chr14	73082081	73082304	+		0	NA	intron (	HAL1|LIN	23658	NM_02123	58517	Hs.53110	NM_02123	ENSG0000	RBM25	NET52|RE	RNA bindi	protein-coding
chr14-10	6.717616	-0.25576	0.906427	-0.28217	0.777817	0.981636	chr14	1.03E+08	1.03E+08	+		0	NA	3’ UTR (	3’ UTR (	-49741	NM_00119	7187	Hs.51052	NM_00330	ENSG0000	TRAF3	CAP-1|CA	TNF rece	protein-coding
chr20-94	6.717616	-0.25576	0.906427	-0.28217	0.777817	0.981636	chr20	9455657	9456041	+		0	NA	intron (	intron (	-58509	NM_00119	24141	Hs.22920	NM_012261	ENSG0000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr9-125	6.717616	-0.25576	0.906427	-0.28217	0.777817	0.981636	chr9	1.25E+08	1.25E+08	+		0	NA	intron (	L1PA3|LI	-69303	NM_002077	2800	Hs.59504	NM_002077	ENSG0000	GOLGA1	golgin-9	golgin A1	protein-coding
chr17-60	8.966591	0.228067	0.808311	0.282152	0.777827	0.981636	chr17	60478900	60479220	+		0	NA	intron (	intron (	47180	NM_00128	10513	Hs.84084	NM_00638	ENSG0000	APPBP2	APP-BP2|	amyloid	protein-coding
chr4-867	8.444579	0.227485	0.806545	0.282049	0.777906	0.981636	chr4	86750901	86751100	+		0	NA	intron (	intron (	98384	NM_19796	345274	Hs.45299	NM_19796	ENSG0000	SLC10A6	SOAT	solute c	protein-coding
chr6-358	8.444579	0.227485	0.806545	0.282049	0.777906	0.981636	chr6	35863942	35864956	+		0	NA	intron (	L1MA2|LI	56649	NM_003137	6732	Hs.443861	NM_003137	ENSG0000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr9-999	8.444579	0.227485	0.806545	0.282049	0.777906	0.981636	chr9	99923864	99924327	+		0	NA	intron (	MER21A|L	17441	NM_01791	55014	Hs.704031	NM_01791	ENSG0000	STX17	-	syntaxin	protein-coding
chr1-394	11.87872	-0.19227	0.682233	-0.28182	0.778083	0.981636	chr1	39435046	39450893	+		0	NA	intron (	intron (	33896	NM_01503	643314	Hs.65876	NM_01503	ENSG0000	KIAA0754	-	KIAA0754	protein-coding
chr1-2431	11.87872	-0.19227	0.682233	-0.28182	0.778083	0.981636	chr1	2.43E+08	2.43E+08	+		0	NA	exon (NM_	exon (NM_	-63312	NR_029401	731275	Hs.72235	NR_029401	ENSG0000	LINC01347	-	long inte	ncRNA
chr21-46	11.87872	-0.19227	0.682233	-0.28182	0.778083	0.981636	chr21	46643466	46646622	+		0	NA	intron (	AluJr|SI	9370	NM_20696	3275	Hs.15416	NM_00153	ENSG0000	PRMT2	HRMT1L1	protein	protein-coding
chr22-36	11.87872	-0.19227	0.682233	-0.28182	0.778083	0.981636	chr22	36325537	36327193	+		0	NA	intron (	intron (	-39458	NR_106877	1.02E+08		NR_106877	ENSG0000	MIR6819	hsa-mir-	microRNA	ncRNA
chr3-519	11.87872	-0.19227	0.682233	-0.28182	0.778083	0.981636	chr3	51991623	51994870	+		0	NA	TTS (NM_	TTS (NM_	2649	NM_00099	6159	Hs.42512	NM_00099	ENSG0000	RPL29	HIP|HUMR	ribosomal	protein-coding
chr2-3867	8.493576	0.227325	0.806778	0.281769	0.778121	0.981636	chr2	38675846	38676412	+		0	NA	intron (	intron (	10015	NM_138801	130589	Hs.43501	NM_138801	ENSG0000	GALM	BLOCK25|	galactos	protein-coding
chr1-3547	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr1	35477702	35479021	+		0	NA	intron (	L1MA2|LI	79042	NM_024874	79932	Hs.456507	NM_024874	ENSG0000	KIAA0319	AAVR|AAV	KIAA0319	protein-coding
chr1-426	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr1	42666204	42667055	+		0	NA	intron (	intron (	8206	NM_006347	10465	Hs.25663	NM_006347	ENSG0000	PPIH	CYP-20|C	peptidyl	protein-coding
chr10-37	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr10	375065	376046	+		0	NA	intron (	intron (	195561	NM_00120	10771	Hs.29226	NM_006624	ENSG0000	ZMYND11	BRAM1|BS	zinc fin	protein-coding
chr11-75	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr11	75983498	75984151	+		0	NA	intron (	Tigger3a|	168614	NM_00336	7405	Hs.20247	NM_00336	ENSG0000	UVRAG	DHTX|VPS	UV radiat	protein-coding
chr12-481	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr12	48123803	48125376	+		0	NA	intron (	intron (	1942	NM_00116	5213	Hs.75160	NM_00028	ENSG0000	PFKM	ATP-PFK|	phosphof	protein-coding
chr13-497	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr13	49740034	49741296	+		0	NA	intron (	THE1B|LT	-49178	NM_00127	84650	Hs.43327	NM_03256	ENSG0000	EBPL	EBRP	EBP like	protein-coding
chr14-10	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr14	1.01E+08	1.01E+08	+		0	NA	intron (	intron (	1655	NR_14600	79104	Hs.118101	NR_024149		MEG8	Bsr|Irm|	maternall	ncRNA
chr16-19	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr16	19500109	19501445	+		0	NA	TTS (NM_	TTS (NM_	21321	NR_13668	51573	Hs.512607	NM_016641	ENSG0000	GDE1	363E6.2|	glyceroph	protein-coding
chr17-851	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr17	8512147	8512566	+		0	NA	intron (	intron (	76472	NM_03080	81565	Hs.37212	NM_03080	ENSG0000	NDEL1	EOPA|MIT	nudE neur	protein-coding
chr20-33	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr20	33412008	33412433	+		0	NA	intron (	MIR3|SIN	-10651	NM_01608	51654	Hs.43595	NM_01608	ENSG0000	CDK5RAP1	C20orf34|	CDK5 reg	protein-coding
chr3-370	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr3	37022172	37024248	+		0	NA	intron (	MER21A|L	29860	NM_00125	4292	Hs.195364	NM_00024	ENSG0000	MLH1	COCA2|FC	mutL hom	protein-coding
chr3-641	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr3	64154379	64154738	+		0	NA	intron (	AluY|SIN	-32986	NR_04670	1.01E+08	Hs.67084	NR_04670	ENSG0000	PRICKLE2-	-	PRICKLE2	ncRNA
chr3-149	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr3	1.5E+08	1.5E+08	+		0	NA	intron (	intron (	86015	NM_00116	25937	Hs.477921	NM_01547	ENSG0000	WWTR1	TAZ	WW domai	protein-coding
chr4-133	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr4	1330742	1331248	+		0	NA	intron (	intron (	-16213	NM_020894	57654	Hs.38047	NM_020894	ENSG0000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr7-994	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr7	99426636	99429799	+		0	NA	intron (	AluY|SIN	10581	NM_01554	26024	Hs.63231	NM_01554	ENSG0000	PTCD1	-	pentatri	protein-coding
chr7-111	6.905817	0.247196	0.877495	0.281706	0.778169	0.981636	chr7	1.12E+08	1.12E+08	+		0	NA	intron (	AluY|SIN	130866	NR_10380	1.01E+08	Hs.67751	NR_10380	ENSG0000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr17-44	6.222878	-0.27225	0.966455	-0.2817	0.778171	0.981636	chr17	44064249	44064514	+		0	NA	intron (	intron (	2290	NM_001371445								
chr15-42	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr15	42946157	42947443	+		0	NA	intron (	intron (	-26022	NM_17350	146057	Hs.646511	NM_17350	ENSG0000	TTBK2	SCA11|TT	tau tubul	protein-coding
chr19-17	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr19	17577696	17578957	+		0	NA	intron (	MIR3|SIN	22677	NM_02465	79709	Hs.41879	NM_02465	ENSG0000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr2-2067	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr2	2.07E+08	2.07E+08	+		0	NA	intron (	L1MB1|LI	-7258	NR_03607	1E+08		NR_03607	ENSG0000	MIR3130-	MIR3130-4	microRNA	ncRNA
chr20-45	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr20	45961945	45962377	+		0	NA	exon (NM_	exon (NM_	10042	NM_02209	63925	Hs.17419	NM_02209	ENSG0000	ZNF335	MCPH10|N	zinc fin	protein-coding
chr7-147	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr7	1473412	1473953	+		0	NA	exon (NM_	exon (NM_	-14212	NM_182924	79778	Hs.376617	NM_02472	ENSG0000	MICALL2	JRAB|MIC	MICAL lik	protein-coding
chr7-149	8.452437	0.225641	0.801071	0.281674	0.778193	0.981636	chr7	1.5E+08	1.5E+08	+		0	NA	intron (	AluJr4|SI	-54417	NM_152557	155061	Hs.24643	NM_152557	ENSG0000	ZNF746	PARIS	zinc fin	protein-coding
chr5-957	11.37612	-0.19764	0.7018	-0.28161	0.778239	0.981636	chr5	95737227	95740432	+		0	NA	intron (	L2c|LINE|	-6727	NM_00134	83890	Hs.50499	NM_03195	ENSG0000	SPATA9	NYD-SP16	spermato	protein-coding
chr12-45	6.890101	0.251432	0.89302	0.281552	0.778287	0.981636	chr12	45932011	45932595	+		0	NA	intron (	intron (	58271	NM_00471	9169	Hs.210367	NM_00471	ENSG0000	SCAF11	CASP11|S	SR-relat	protein-coding
chr12-101	6.890101	0.251432	0.89302	0.281552	0.778287	0.981636	chr12	1.01E+08	1.01E+08	+		0	NA	intron (	L2c|LINE|	-27473	NR_04983	1.01E+08		NR_04983	ENSG0000	MIR548AQ	-	microRNA	ncRNA
chr2-105	6.890101	0.251432	0.89302	0.281552	0.778287	0.981636	chr2	1.06E+08	1.06E+08	+		0	NA	exon (NM_	exon (NM_	30021	NM_001004	8440	Hs.529244	NM_003581	ENSG0000	NCK2	GRB4|NCK	NCK adapt	protein-coding
chr22-26	6.890101	0.251432	0.89302	0.281552	0.778287	0.981636	chr22	26527722	26528377	+		0	NA	intron (	intron (	15517	NR_14452	1.01E+08	Hs.405877	NR_144529		LOC100507	-	uncharact	ncRNA
chr10-29	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr10	29468157	29470746	+		0	NA	TTS (NR_1	TTS (NR_1	59208	NR_11092	1.03E+08	Hs.49920	NR_00393	ENSG0000	SVIL-AS1	-	SVIL anti	ncRNA
chr10-84	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr10	84442206	84443858	+		0	NA	intron (	L1PA7|LI	17863	NM_001284	54462	Hs.46198	NM_01899	ENSG0000	CCSER2	FAM190B|	coiled-c	protein-coding
chr10-92	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr10	92468085	92470493	+		0	NA	intron (	intron (	28472	NM_00132	3416	Hs.50054	NM_00496	ENSG0000	IDE	INSULYSI	insulin	protein-coding
chr10-97	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr10	97394768	97397701	+		0	NA	exon (NM_	exon (NM_	5106	NM_01517	23223	Hs.434251	NM_01517	ENSG0000	RRP12	KIAA0690	ribosomal	protein-coding
chr12-90	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr12	900037	906523	+		0	NA	intron (	intron (	29796	NM_001297	5893	Hs.41035	NM_13442	ENSG0000	RAD52	-	RAD52 ho	protein-coding
chr12-111	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	intron (	LTR10C|L	25777	NM_025247	80724	Hs.331141	NM_025247	ENSG0000	ACAD10	-	acyl-CoA	protein-coding
chr14-23	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr14	23470962	23477872	+		0	NA	intron (	intron (	4714	NM_00104	25983	Hs.9043	NM_015514	ENSG0000	NGDN	C14orf12	neurogui	protein-coding
chr17-42	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr17	42500043	42505352	+		0	NA	intron (	intron (	7924	NR_04984	1.01E+08		NR_04984	ENSG0000	MIR548AT	-	microRNA	ncRNA
chr19-37	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr19	37090264	37096453	+		0	NA	intron (	AluSg|SI	14925	NM_00132	147923	Hs.44499	NM_14468	ENSG0000	ZNF420	APAK	zinc fin	protein-coding
chr2-162	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr2	1.62E+08	1.62E+08	+		0	NA	intron (	intron (	42191	NM_00193	1803	Hs.36891	NM_00193	ENSG0000	DPP4	ADABP|AD	dipeptidy	protein-coding
chr2-2011	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr2	2.01E+08	2.01E+08	+		0	NA	intron (	AluSx|SI	-3910	NR_04003	65072	Hs.66461	NR_04003	ENSG0000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr2-241	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr2	2.41E+08	2.41E+08	+		0	NA	intron (	intron (	5124	NM_00108	25992	Hs.471834	NM_00108	ENSG0000	SNED1	IRE-BP1|	sushi, ni	protein-coding
chr20-18	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr20	18473192	18476220	+		0	NA	intron (	AluSx|SI	4091	NR_03616	1E+08		NR_03616	ENSG0000	MIR3192	mir-3192	microRNA	ncRNA
chr20-33	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr20	33389097	33390459	+		0	NA	intron (	SVA_C|Ret	11741	NM_01640	51654	Hs.43595	NM_01608	ENSG0000	CDK5RAP1	C20orf34|	CDK5 reg	protein-coding
chr21-39	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr21	39278651	39279634	+		0	NA	intron (	Charlie5|	34490	NM_01896	54014	Hs.62713	NM_01896	ENSG0000	BRWD1	C21orf107	bromodom	protein-coding
chr4-3887	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr4	38870099	38870959	+		0	NA	intron (	intron (	2497	NR_03030	693159		NR_03030	ENSG0000	MIR574	MIR574-3	microRNA	ncRNA
chr7-682	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr7	6820703	6823374	+		0	NA	intron (	intron (	4257	NM_198097	221960	Hs.56777	NM_198097	ENSG0000	CCZ1B	C7orf28A|	CCZ1 hom	protein-coding
chr7-4387	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr7	43875834	43877466	+		0	NA	3’ UTR (	3’ UTR (	-7133	NM_032014	64951	Hs.28428	NM_032014	ENSG0000	MRPS24	HSPC335|	mitochon	protein-coding
chr7-1487	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr7	1.49E+08	1.49E+08	+		0	NA	intron (	intron (	90401	NM_00137	8454	Hs.14680	NM_00359	ENSG0000	CUL1	-	cullin 1	protein-coding
chr9-114	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr9	1.14E+08	1.14E+08	+		0	NA	intron (	intron (	27121	NM_001317	80709	Hs.49489	NM_030767	ENSG0000	AKNA	-	AT-hook	protein-coding
chr9-132	7.955849	0.231176	0.821256	0.28149	0.778334	0.981636	chr9	1.33E+08	1.33E+08	+		0	NA	intron (	intron (	3506	NM_00132	64794	Hs.660767	NM_02277	ENSG0000	DDX31	PPP1R25	DEAD-box	protein-coding
chr1-5127	3.947924	-0.32148	1.143099	-0.28124	0.778529	0.981636	chr1	51275550	51276184	+		0	NA	Intergeni	MER5A|DN	22094	NM_001297	22996	Hs.11294	NM_00108	ENSG0000	TTC39A	C1orf34|	tetratri	protein-coding
chr1-3131	6.676476	-0.25868	0.919848	-0.28122	0.778542	0.981636	chr1	31316219	31316531	+		0	NA	intron (	AluSz6|SI	19393	NM_01650	51538	Hs.524094	NM_01650	ENSG0000	ZCCHC17	HSPC251|	zinc fin	protein-coding
chr11-951	6.676476	-0.25868	0.919848	-0.28122	0.778542	0.981636	chr11	9516810	9517631	+		0	NA	intron (	L1MC4a|LI	56208	NM_00344	7702	Hs.523471	NM_00344	ENSG0000	ZNF143	SBF|STAF|	zinc fin	protein-coding
chr19-22	6.676476	-0.25868	0.919848	-0.28122	0.778542	0.981636	chr19	2224135	2224334	+		0	NA	intron (	intron (	9915	NR_03159	1E+08		NR_03159	ENSG0000	MIR1227	MIRN1227|	microRNA	ncRNA
chr20-49	6.676476	-0.25868	0.919848	-0.28122	0.778542	0.981636	chr20	49231454	49231713	+		0	NA	intron (	intron (	12288	NM_01789	55661	Hs.65234	NM_01789	ENSG0000	DDX27	DRS1|Drs1	DEAD-box	protein-coding
chr17-29	7.599389	-0.23951	0.852749	-0.28087	0.778812	0.981636	chr17	29482135	29482907	+		0	NA	intron (	intron (	84516	NM_198147	116236	Hs.10651	NM_198147	ENSG0000	ABHD15	-	abhydrol	protein-coding
chr11-75	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr11	75564419	75564904	+		0	NA	intron (	intron (	2408	NM_00123	871	Hs.59644	NM_00123	ENSG0000	SERPINH1	AsTP3|CB	serpin f	protein-coding
chr12-12	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr12	12243610	12244354	+		0	NA	intron (	AluJb|SI	23062	NM_00233	4040	Hs.58477	NM_00233	ENSG0000	LRP6	ADCAD2|S	LDL rece	protein-coding
chr15-77	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr15	77251870	77252941	+		0	NA	5’ UTR (	5’ UTR (	-27001	NR_02681	81698	Hs.65693	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr18-58	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr18	58923251	58924458	+		0	NA	intron (	intron (	58977	NM_00135	55205	Hs.52902	NM_018181	ENSG0000	ZNF532	-	zinc fin	protein-coding
chr19-191	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr19	19181165	19181586	+		0	NA	TTS (NM_	TTS (NM_	10777	NR_02730	4207	Hs.15362	NM_00591	ENSG0000	BORCS8-M	LOC729991	BORCS8-M	protein-coding
chr2-9417	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr2	9417251	9418840	+		0	NA	intron (	intron (	4546	NM_00131	9270	Hs.46766	NM_00476	ENSG0000	ITGB1BP1	ICAP-1A|	integrin	protein-coding
chr4-520	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr4	52022363	52023002	+		0	NA	3’ UTR (	3’ UTR (	-2319	NM_001024	339977	Hs.66145	NM_001024	ENSG0000	LRRC66	-	leucine	protein-coding
chr5-1381	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr5	13810715	13811625	+		0	NA	intron (	L1MA3|LI	133310	NM_00136	1767	Hs.21236	NM_00136	ENSG0000	DNAH5	CILD3|DN	dynein a	protein-coding
chr5-568	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr5	56859971	56860606	+		0	NA	intron (	Charlie1	44739	NM_005921	4214	Hs.653654	NM_005921	ENSG0000	MAP3K1	MAPKKK1|	mitogen-	protein-coding
chr7-107	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr7	1.08E+08	1.08E+08	+		0	NA	intron (	MIR|SINE|	4024	NM_00010	1738	Hs.131711	NM_00010	ENSG0000	DLD	DLDD|DLD	dihydroli	protein-coding
chr7-140	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr7	1.4E+08	1.4E+08	+		0	NA	intron (	AluSz6|SI	21938	NM_01344	23608	Hs.74488	NM_01344	ENSG0000	MKRN1	RNF61	makorin	protein-coding
chr8-301	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr8	30180345	30181361	+		0	NA	intron (	AluJr|SI	24484	NM_006571	10671	Hs.158427	NM_006571	ENSG0000	DCTN6	WS-3|WS3|	dynactin	protein-coding
chr9-959	7.171215	-0.24382	0.868462	-0.28075	0.7789	0.981636	chr9	95920807	95922130	+		0	NA	intron (	A-rich|L	45460	NM_00101	375748	Hs.432364	NM_020207	ENSG0000	ERCC6L2	BMFS2|C9	ERCC exci	protein-coding
chr3-196	8.117701	-0.23243	0.828269	-0.28062	0.779005	0.981636	chr3	1.96E+08	1.96E+08	+		0	NA	intron (	AluSx|SI	18540	NM_152617	165918	Hs.25064	NM_152617	ENSG0000	RNF168	hRNF168	ring fin	protein-coding
chr12-891	7.402405	0.239742	0.855397	0.28027	0.779271	0.981636	chr12	891213	893067	+		0	NA	intron (	L1PA4|LI	40936	NM_001297	5893	Hs.41035	NM_13442	ENSG0000	RAD52	-	RAD52 ho	protein-coding
chr1-279	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr1	27905505	27907260	+		0	NA	intron (	AluSx1|SI	8193	NM_00294	6118	Hs.79411	NM_00294	ENSG0000	RPA2	REPA2|RP-	replicati	protein-coding
chr1-364	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr1	36459729	36460283	+		0	NA	intron (	intron (	4378	NM_03128	64960	Hs.35283	NM_03128	ENSG0000	MRPS15	DC37|MPR-	mitochon	protein-coding
chr1-114	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr1	1.14E+08	1.14E+08	+		0	NA	intron (	intron (	104834	NM_03302	51592	Hs.26837	NM_01590	ENSG0000	TRIM33	ECTO|PTC	tripartit	protein-coding
chr1-117	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr1	1.18E+08	1.18E+08	+		0	NA	intron (	intron (	23912	NM_01768	54834	Hs.31080	NM_01768	ENSG0000	GDAP2	MACROD3|	gangliosi	protein-coding
chr10-12	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr10	12230554	12232720	+		0	NA	intron (	AluSq2|SI	35449	NM_00602	8872	Hs.41284	NM_00602	ENSG0000	CDC123	C10orf7|	cell divi	protein-coding
chr10-48	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr10	48410205	48412989	+		0	NA	intron (	L1MB5|LI	9985	NM_00127	5599	Hs.138211	NM_00275	ENSG0000	MAPK8	JNK|JNK-4	mitogen-	protein-coding
chr10-73	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr10	73476078	73478253	+		0	NA	exon (NM_	exon (NM_	-18587	NR_13210	1.02E+08	Hs.43450	NR_13210	ENSG0000	PPP3CB-A	USP54-AS1	PPP3CB a	ncRNA
chr10-92	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr10	92460145	92461575	+		0	NA	intron (	AluSz|SI	36901	NM_00132	3416	Hs.50054	NM_00496	ENSG0000	IDE	INSULYSI	insulin	protein-coding
chr10-95	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr10	95632885	95633534	+		0	NA	intron (	intron (	23502	NM_00132	5832	Hs.50064	NM_00286	ENSG0000	ALDH18A1	ADCL3|AR	aldehyde	protein-coding
chr12-91	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr12	915040	916890	+		0	NA	TTS (NM_	TTS (NM_	17111	NM_001297	5893	Hs.41035	NM_13442	ENSG0000	RAD52	-	RAD52 ho	protein-coding
chr12-121	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr12	1.21E+08	1.21E+08	+		0	NA	intron (	AluSg|SI	-10872	NM_15349	10645	Hs.29734	NM_00654	ENSG0000	CAMKK2	CAMKK|CA	calcium/	protein-coding
chr15-50	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr15	50647863	50651578	+		0	NA	intron (	intron (	37077	NR_149154	54822	Hs.512894	NM_01767	ENSG0000	TRPM7	ALSPDC|C	transient	protein-coding
chr15-65	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr15	65019011	65021366	+		0	NA	intron (	intron (	9451	NM_13924	123263	Hs.53161	NM_13924	ENSG0000	MTFMT	COXPD15|	mitochon	protein-coding
chr16-23	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr16	23634909	23637976	+		0	NA	intron (	intron (	4915	NM_02467	79728	Hs.444664	NM_02467	ENSG0000	PALB2	FANCN|PN	partner	protein-coding
chr17-67	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr17	67964377	67966661	+		0	NA	intron (	AluSz|SI	28087	NM_18165	284018	Hs.90790	NM_18165	ENSG0000	C17orf58	-	chromoso	protein-coding
chr19-501	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr19	5016358	5017711	+		0	NA	intron (	intron (	47921	NM_00137	23030	Hs.65481	NM_01501	ENSG0000	KDM4B	JMJD2B|T	lysine d	protein-coding
chr2-376	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr2	37655435	37656724	+		0	NA	intron (	intron (	16120	NM_00127	10602	Hs.369574	NM_00644	ENSG0000	CDC42EP3	BORG2|CE	CDC42 eff	protein-coding
chr2-470	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr2	47050466	47052602	+		0	NA	intron (	intron (	103774	NM_17364	285051	Hs.53157	NM_17364	ENSG0000	STPG4	C2orf61|	sperm-tai	protein-coding
chr2-229	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr2	2.3E+08	2.3E+08	+		0	NA	intron (	AluY|SIN	81992	NM_00134	9320	Hs.57264	NM_00423	ENSG0000	TRIP12	MRD49|TR	thyroid	protein-coding
chr22-20	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr22	20829834	20831945	+		0	NA	intron (	AluSq|SI	27922	NM_058004	5297	Hs.52943	NM_00265	ENSG0000	PI4KA	PI4K-ALP	phosphati	protein-coding
chr22-29	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr22	29680348	29683836	+		0	NA	intron (	intron (	-37911	NM_182527	164633	Hs.64360	NM_182527	ENSG0000	CABP7	CALN2	calcium	protein-coding
chr3-150	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr3	15045510	15047974	+		0	NA	3’ UTR (	3’ UTR (	18573	NM_022497	64432	Hs.657764	NM_022497	ENSG0000	MRPS25	MRP-S25|	mitochon	protein-coding
chr3-1491	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr3	1.49E+08	1.49E+08	+		0	NA	intron (	intron (	25971	NM_03238	84343	Hs.558314	NM_03238	ENSG0000	HPS3	BLOC2S1|	HPS3 bio	protein-coding
chr4-7551	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr4	75517299	75518867	+		0	NA	intron (	intron (	3610	NM_144721	152815	Hs.479971	NM_144721	ENSG0000	THAP6	-	THAP dom	protein-coding
chr5-171	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr5	1.72E+08	1.72E+08	+		0	NA	intron (	intron (	84181	NM_00128	644994	Hs.59174	NM_00128	ENSG0000	SMIM23	C5orf50	small int	protein-coding
chr6-152	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr6	1.52E+08	1.52E+08	+		0	NA	intron (	intron (	-87105	NR_120501	1.01E+08	Hs.57120	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr9-113	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr9	1.13E+08	1.13E+08	+		0	NA	intron (	AluSc5|SI	7726	NM_13928	246184	Hs.72764	NM_13928	ENSG0000	CDC26	ANAPC12|	cell divi	protein-coding
chr9-127	7.410263	0.237749	0.848607	0.280164	0.779351	0.981636	chr9	1.28E+08	1.28E+08	+		0	NA	intron (	intron (	46648	NM_02283	64855	Hs.522401	NM_02283	ENSG0000	NIBAN2	C9orf88|	niban ap	protein-coding
chr10-457	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr10	45740090	45740865	+		0	NA	intron (	L2c|LINE|	13211	NM_001367	253725	Hs.36528	NM_01526	ENSG0000	WASHC2C	FAM21A|F	WASH com	protein-coding
chr14-911	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr14	91167116	91168618	+		0	NA	TTS (NM_	TTS (NM_	41441	NR_00370	1E+08	Hs.693444	NR_00370	ENSG0000	SNORA11B	-	small nuc	snoRNA
chr17-41	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr17	4108353	4109763	+		0	NA	intron (	intron (	33972	NM_01511	23140	Hs.277624	NM_01511	ENSG0000	ZZEF1	ZZZ4	zinc fin	protein-coding
chr17-287	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr17	28765945	28766799	+		0	NA	intron (	AluSq2|SI	22361	NM_00429	9618	Hs.8375	NM_00429	ENSG0000	TRAF4	CART1|ML	TNF rece	protein-coding
chr18-76	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr18	76899109	76899904	+		0	NA	intron (	intron (	75346	NM_00734	7776	Hs.719137	NM_00734	ENSG0000	ZNF236	ZNF236A|	zinc fin	protein-coding
chr2-217	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr2	2.18E+08	2.18E+08	+		0	NA	exon (NM_	exon (NM_	15476	NR_106867	1.02E+08		NR_106867	ENSG0000	MIR6809	hsa-mir-	microRNA	ncRNA
chr5-122	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr5	1.23E+08	1.23E+08	+		0	NA	intron (	intron (	-17946	NR_14614	28966	Hs.48320	NM_01403	ENSG0000	SNX24	PRO1284|	sorting	protein-coding
chr6-4411	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr6	44110410	44115383	+		0	NA	TTS (NM_	TTS (NM_	13371	NM_00131	64928	Hs.31119	NM_032111	ENSG0000	MRPL14	L14mt|L3	mitochon	protein-coding
chr7-643	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr7	6430941	6432790	+		0	NA	intron (	intron (	16089	NM_13917	221955	Hs.48749	NM_13917	ENSG0000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr7-770	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr7	77043041	77046004	+		0	NA	intron (	(TA)n|Si	5042	NR_02805	1E+08	Hs.29299	NM_001129851		PMS2P9	PMS2L17|	PMS1 hom	pseudo

chr9-1114	8.460295	0.223867	0.799392	0.280047	0.779441	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	44682	NM_001364	23392	Hs.368258	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 pro	protein-coding
chr1-1554	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr1	15544599	15546772	+	0	NA	intron (N	L2|LINE|L	3519	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Ca	ncRNA
chr1-9678	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr1	96786366	96787786	+	0	NA	intron (N	AluSx|SIN	64438	NR_125356	58155	Hs.596061	NM_021190	ENSG00000	PTBP2	PTBLP|brP	polypyrim	protein-coding
chr10-156	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr10	15671419	15671618	+	0	NA	intron (N	intron (N	48404	NM_003638	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr10-100	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-13817	NR_144759	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr11-124	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr11	12479925	12480668	+	0	NA	intron (N	intron (N	102725	NM_018222	55742	Hs.432914	NM_018222	ENSG00000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr12-106	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	MIR|SINE|	5741	NM_006825	10970	Hs.74368	NM_006825	ENSG00000	CKAP4	CLIMP-63|	cytoskele	protein-coding
chr14-693	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr14	69383648	69387376	+	0	NA	intron (N	L2a|LINE|	12787	NM_004450	2079	Hs.509791	NM_004450	ENSG00000	ERH	DROER	ERH mRNA	protein-coding
chr18-234	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr18	23428541	23430447	+	0	NA	intron (N	AluSp|SIN	8467	NM_032933	85019	Hs.137562	NM_032933	ENSG00000	TMEM241	C18orf45|	transmemb	protein-coding
chr19-357	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr19	35760177	35761211	+	0	NA	intron (N	AluSq|SIN	2518	NM_001039	148137	Hs.527982	NM_144692	ENSG00000	PROSER3	C19orf55	proline a	protein-coding
chr19-443	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr19	44301701	44302583	+	0	NA	intron (N	intron (N	2883	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr2-1799	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	55058	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr2-2161	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	MER49|LTR	-47523	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr2-2384	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21740	NM_001040	51665	Hs.516788	NM_016114	ENSG00000	ASB1	ASB-1	ankyrin r	protein-coding
chr20-466	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr20	46685163	46686873	+	0	NA	3’ UTR (N	3’ UTR (N	-1533	NM_001193	64849	Hs.655498	NM_022829	ENSG00000	SLC13A3	ARLIAK|NA	solute ca	protein-coding
chr20-500	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr20	50092822	50097511	+	0	NA	TTS (NR_1	TTS (NR_1	17984	NM_001257	7335	Hs.420529	NM_021988	ENSG00000	UBE2V1	CIR1|CROC	ubiquitir	protein-coding
chr21-464	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr21	46491133	46492180	+	0	NA	intron (N	intron (N	29185	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr22-243	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr22	24334657	24335775	+	0	NA	intron (N	L2c|LINE|	-6892	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-5254	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr3	52547981	52550691	+	0	NA	intron (N	AluJr4|SI	12731	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr3-1382	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSc|SIN	37762	NM_001267	25852	Hs.744868	NM_014154	ENSG00000	ARMC8	GID5|HSPC	armadillo	protein-coding
chr6-2890	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr6	28901229	28902112	+	0	NA	Intergeni	Intergeni	5140	NR_104117	414760	Hs.211005	NR_104117	ENSG00000	HCG14	dJ111M5.4	HLA compl	ncRNA
chr6-1078	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-51624	NM_001286	256380	Hs.486109	NM_198081	ENSG00000	SCML4	dJ47M23.1	Scm polyc	protein-coding
chr7-4810	7.632671	-0.23495	0.839188	-0.27998	0.779494	0.981636	chr7	48101759	48103532	+	0	NA	intron (N	intron (N	13380	NM_003364	7378	Hs.488240	NM_003364	ENSG00000	UPP1	UDRPASE|U	uridine p	protein-coding
chr1-2396	11.87086	-0.19111	0.682938	-0.27983	0.779608	0.981636	chr1	23960994	23963998	+	0	NA	3’ UTR (N	3’ UTR (N	2668	NM_017761	55629	Hs.7862	NM_017761	ENSG00000	PNRC2	-	proline r	protein-coding
chr3-5268	11.87086	-0.19111	0.682938	-0.27983	0.779608	0.981636	chr3	52687458	52696670	+	0	NA	promoter-	promoter-	-672	NR_003057	692109		NR_003057	ENSG00000	SNORD69	HBII-210	small nuc	snoRNA
chr8-1220	12.33232	-0.18781	0.671274	-0.27977	0.779651	0.981636	chr8	12205496	12206704	+	0	NA	Intergeni	Intergeni	-11967	NR_148876	653333	Hs.458413	NM_001137	ENSG00000	FAM86B2	-	family wi	protein-coding
chr16-482	7.22807	-0.24457	0.874441	-0.27969	0.779718	0.981636	chr16	4827349	4827746	+	0	NA	intron (N	Tigger1|D	19741	NM_032569	84656	Hs.387255	NM_032569	ENSG00000	GLYR1	BM045|HIE	glyoxylat	protein-coding
chr20-358	7.22807	-0.24457	0.874441	-0.27969	0.779718	0.981636	chr20	35852187	35852758	+	0	NA	intron (N	intron (N	80457	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr6-1496	7.22807	-0.24457	0.874441	-0.27969	0.779718	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MEf|LIN	-16255	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr14-547	7.220212	-0.24278	0.868438	-0.27956	0.779813	0.981636	chr14	54754594	54754920	+	0	NA	promoter-	promoter-	-76	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr19-472	7.220212	-0.24278	0.868438	-0.27956	0.779813	0.981636	chr19	47208852	47209285	+	0	NA	intron (N	MER20|DNA	-17874	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr2-1602	8.949025	0.22096	0.791007	0.27934	0.779984	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-9563	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr6-1472	8.949025	0.22096	0.791007	0.27934	0.779984	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1PA7|LIN	-47374	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr1-8465	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr1	84653631	84656462	+	0	NA	intron (N	intron (N	-20026	NR_027379	439927	Hs.407054	NM_001033	ENSG00000	LINC01555	C1orf180	long inte	ncRNA
chr10-593	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr10	5934872	5936186	+	0	NA	intron (N	intron (N	33399	NM_001351	3601	Hs.445124	NM_002189	ENSG00000	IL15RA	CD215	interleuk	protein-coding
chr13-758	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr13	75836671	75837151	+	0	NA	intron (N	intron (N	-34127	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 dowr	protein-coding
chr17-351	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr17	35132114	35138590	+	0	NA	exon (NM_	exon (NM_	6899	NM_001014	54475	Hs.85570	NM_018096	ENSG00000	NLE1	NLE	notchless	protein-coding
chr5-7151	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr5	71516851	71518743	+	0	NA	intron (N	AluJo|SIN	62146	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr6-1665	7.681669	-0.23403	0.837819	-0.27934	0.779987	0.981636	chr6	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	5688	NR_031734	1E+08		NR_031734	ENSG00000	MIR1913	MIRN1913|	microRNA	ncRNA
chr1-1002	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	35575	NM_001918	1629	Hs.709187	NM_001918	ENSG00000	DBT	BCATE2|BC	dihydroli	protein-coding
chr12-101	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	28742	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr16-680	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr16	68073755	68074945	+	0	NA	intron (N	intron (N	-11020	NM_173163	4775	Hs.436585	NM_004555	ENSG00000	NFATC3	NF-AT4c|N	nuclear f	protein-coding
chr18-769	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr18	76910532	76911507	+	0	NA	intron (N	intron (N	86859	NM_007345	7776	Hs.719137	NM_007345	ENSG00000	ZNF236	ZNF236A|Z	zinc fing	protein-coding
chr20-327	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr20	32702830	32703768	+	0	NA	3’ UTR (N	3’ UTR (N	-29358	NM_182584	284805	Hs.353262	NM_182584	ENSG00000	C20orf203	-	chromosom	protein-coding
chr3-5159	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr3	51590873	51591267	+	0	NA	intron (N	intron (N	49481	NM_001322	23132	Hs.105399	NM_015106	ENSG00000	RAD54L2	ARIP4|HSF	RAD54 lik	protein-coding
chr6-1162	6.409229	0.255732	0.915514	0.279332	0.77999	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	-6325	NM_001080	29940	Hs.458358	NM_013352	ENSG00000	DSE	DS-epi1|D	dermatan	protein-coding
chr1-6627	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr1	6627853	6632116	+	0	NA	intron (N	intron (N	4834	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-1028	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr1	10282049	10285073	+	0	NA	intron (N	intron (N	-15405	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr1-1093	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	42286	NM_001205	6272	Hs.485195	NM_002959	ENSG00000	SORT1	Gp95|LDLC	sortilin	protein-coding
chr12-120	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10337	NM_001080	84747	Hs.127610	NM_032661	ENSG00000	UNC119B	POC7B	unc-119 l	protein-coding
chr12-121	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	10943	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr15-249	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr15	24979806	24980697	+	0	NA	intron (N	intron (N	-1743	NR_022011	347746	Hs.733072	NR_022011		PWARSN	PAR-SN|PA	Prader Wi	ncRNA
chr15-330	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr15	33004123	33005122	+	0	NA	intron (N	L1PA4|LIN	63552	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr16-704	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr16	70411569	70412061	+	0	NA	intron (N	AluSp|SIN	27285	NM_006927	6483	Hs.368611	NM_006927	ENSG00000	ST3GAL2	Gal-NAc6S	ST3 beta-	protein-coding
chr17-387	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr17	38717007	38718710	+	0	NA	exon (NM_	exon (NM_	-1833	NR_039879	1.01E+08		NR_039879	ENSG00000	MIR4726	-	microRNA	ncRNA
chr17-395	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr17	39513821	39515554	+	0	NA	intron (N	L1ME1|LIN	53201	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr17-633	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr17	63361900	63362582	+	0	NA	intron (N	MER52A|LT	78026	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr19-103	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr19	10371833	10372048	+	0	NA	intron (N	L1ME3C|LI	8632	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr19-253	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr19	25365268	25366168	+	0	NA	Intergeni	ALR/Alpha	-1202271	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-449	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr19	44961791	44968961	+	0	NA	intron (N	AluSc|SIN	9996	NM_001294	1209	Hs.444441	NM_001294	ENSG00000	CLPTM1	-	CLPTM1 re	protein-coding
chr2-1005	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr2	10051373	10053685	+	0	NA	3’ UTR (N	3’ UTR (N	8284	NM_001177	8462	Hs.12229	NM_003597	ENSG00000	KLF11	FKLF|FKLF	Kruppel l	protein-coding
chr2-5590	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr2	55905231	55905969	+	0	NA	intron (N	AluSp|SIN	18182	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-9672	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr2	96726657	96729074	+	0	NA	intron (N	intron (N	12211	NM_001142	81562	Hs.655743	NM_030805	ENSG00000	LMAN2L	MRT52|VIP	lectin, m	protein-coding
chr2-1134	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA3|LIN	-23558	NM_012184	200350	Hs.591554	NM_012184	ENSG00000	FOXD4L1	FOXD5|bA3	forkhead	protein-coding
chr20-354	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr20	35487027	35489009	+	0	NA	intron (N	intron (N	28035	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr20-582	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr20	58234728	58235283	+	0	NA	intron (N	L2a|LINE|	-6352	NM_001304	140731	Hs.266571	NM_080674	ENSG00000	ANKRD60	C20orf86|	ankyrin r	protein-coding
chr3-1447	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr3	14474038	14474467	+	0	NA	intron (N	intron (N	66090	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr3-4773	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr3	47730407	47735841	+	0	NA	intron (N	AluSg7|SI	48769	NM_003074	6599	Hs.476179	NM_003074	ENSG00000	SMARCC1	BAF155|CR	SWI/SNF r	protein-coding
chr3-1250	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	MLT1J2|LT	-39508	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr4-3222	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr4	3222007	3225699	+	0	NA	intron (N	intron (N	-20516	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr4-1837	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MA8|LIN	51757	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr5-7218	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr5	72186096	72189146	+	0	NA	intron (N	intron (N	7834	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-7557	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr5	75572817	75573945	+	0	NA	intron (N	L1PA4|LIN	-38095	NM_001276	728780	Hs.370455	NM_001271	ENSG00000	ANKDD1B	-	ankyrin r	protein-coding
chr6-3696	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr6	36967349	36968010	+	0	NA	TTS (NM_0	TTS (NM_0	12941	NM_153370	221476	Hs.25391	NM_153370	ENSG00000	PI16	CD364|CRI	peptidase	protein-coding
chr6-1579	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-38235	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1275	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	3453	NM_024523	79571	Hs.521168	NM_024523	ENSG00000	GCC1	GCC1P|GCC	GRIP and	protein-coding
chr8-2021	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr8	20218016	20219981	+	0	NA	intron (N	intron (N	21617	NM_001693	526	Hs.295917	NM_001693	ENSG00000	ATP6V1B2	ATP6B1B2|	ATPase H+	protein-coding
chr9-1069	6.913675	0.245063	0.877608	0.27924	0.780061	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	117551	NR_126029	340512	Hs.432529	NR_126029	ENSG00000	LOC340512	-	uncharact	ncRNA
chr16-671	12.80163	-0.18598	0.666265	-0.27914	0.780139	0.981636	chr16	67149459	67149702	+	0	NA	exon (NM_	exon (NM_	1418	NM_033309	84752	Hs.744158	NM_033309	ENSG00000	B3GNT9	-	UDP-GlcNA	protein-coding
chr9-1105	7.566108	-0.2444	0.875678	-0.2791	0.780169	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	26835	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr14-932	7.689527	-0.2358	0.84514	-0.27901	0.780239	0.981636	chr14	93293842	93294170	+	0	NA	exon (NM_	exon (NM_	39030	NM_001002	55727	Hs.525549	NM_018167	ENSG00000	BTBD7	FUP1	BTB domai	protein-coding
chr8-4792	7.689527	-0.2358	0.84514	-0.27901	0.780239	0.981636	chr8	47928892	47929587	+	0	NA	intron (N	intron (N	30897	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr12-880	7.394547	0.241795	0.867358	0.278772	0.78042	0.981636	chr12	88080198	88080397	+	0	NA	exon (NM_	exon (NM_	44761	NM_001009	91298	Hs.591009	NM_001009	ENSG00000	C12orf29	-	chromosom	protein-coding
chr7-1512	7.394547	0.241795	0.867358	0.278772	0.78042	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	1495	NR_030407	768213		NR_030407	ENSG00000	MIR671	MIRN671|h	microRNA	ncRNA
chr1-1236	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr1	12362105	12363773	+	0	NA	intron (N	L2b|LINE|	132909	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-1563	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr1	15638527	15640089	+	0	NA	intron (N	intron (N	-20405	NM_006511	6248	Hs.239459	NM_006511	ENSG00000	RSC1A1	RS1	regulator	protein-coding
chr1-2801	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr1	28012007	28013278	+	0	NA	intron (N	Charlie4z	53180	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr1-1499	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	10843	NM_020205	56957	Hs.98322	NM_020205	ENSG00000	OTUD7B	CEZANNE|Z	OTU deubi	protein-coding
chr1-2313	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	10322	NM_001010	83932	Hs.554892	NM_032018	ENSG00000	SPRTN	C1orf124|	SprT-like	protein-coding
chr10-620	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr10	62010926	62015917	+	0	NA	intron (N	L1MA8|LIN	-35936	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-478	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr11	47831559	47834230	+	0	NA	intron (N	L1MB8|LIN	15456	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-675	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr11	67585748	67587194	+	0	NA	exon (NM_	exon (NM_	2876	NM_000852	2950	Hs.523836	NM_000852	ENSG00000	GSTP1	DFN7|FAEE	glutathio	protein-coding
chr11-748	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr11	74860593	74862081	+	0	NA	intron (N	MER1A|DNA	87754	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr12-101	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	HAL1|LINE	107035	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamin	protein-coding
chr12-123	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	TTS (NR_0	TTS (NR_0	7229	NM_001270	8099	Hs.433201	NM_004642	ENSG00000	CDK2AP1	DOC1|DORC	cyclin de	protein-coding
chr13-110	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	9947	NM_017664	55608	Hs.525163	NM_017664	ENSG00000	ANKRD10	-	ankyrin r	protein-coding
chr14-507	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr14	50723910	50725473	+	0	NA	intron (N	L2b|LINE|	-56385	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr14-731	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr14	73165488	73165747	+	0	NA	intron (N	AluSp|SIN	29110	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr14-742	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr14	74284093	74286464	+	0	NA	TTS (NM_0	TTS (NM_0	17656	NR_148467	5826	Hs.94395	NM_005050	ENSG00000	ABCD4	ABC41|EST	ATP bindi	protein-coding
chr14-747	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr14	74734499	74736464	+	0	NA	3’ UTR (N	3’ UTR (N	22337	NM_001318	51077	Hs.579828	NM_015962	ENSG00000	FCF1	Bka|C14or	FCF1 rRNA	protein-coding
chr15-642	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr15	64256502	64257095	+	0	NA	intron (N	intron (N	-93643	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr15-771	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr15	77140516	77142362	+	0	NA	intron (N	L1MB7|LIN	-70330	NM_198902	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspan	protein-coding
chr16-162	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr16	16267110	16269046	+	0	NA	intron (N	L1MB8|LIN	-32081	NR_128709	1.04E+08		NR_128709	ENSG00000	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr16-691	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr16	69159669	69162827	+	0	NA	intron (N	Charlie15	-25899	NM_006750	6645	Hs.461117	NM_006750	ENSG00000	SNTB2	D16S2531E	syntrophi	protein-coding
chr17-625	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	625306	628367	+	0	NA	intron (N	intron (N	88003	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-160	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	16044069	16049450	+	0	NA	intron (N	L3|LINE|C	46935	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-425	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	42589536	42591980	+	0	NA	intron (N	AluSx|SIN	-12927	NM_013290	29893	Hs.383019	NM_013290	ENSG00000	PSMC3IP	GT198|HOP	PSMC3 int	protein-coding
chr17-481	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	48121017	48124149	+	0	NA	3’ UTR (N	3’ UTR (N	14998	NM_013323	29916	Hs.15827	NM_013323	ENSG00000	SNX11	-	sorting n	protein-coding
chr17-485	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	48549783	48550728	+	0	NA	3’ UTR (N	3’ UTR (N	-5224	NM_002145	3212	Hs.514289	NM_002145	ENSG00000	HOXB2	HOX2|HOX2	homeobox	protein-coding
chr17-509	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	50978249	50979976	+	0	NA	intron (N	AluJb|SIN	67766	NM_001251	9043	Hs.463439	NM_003971	ENSG00000	SPAG9	CT89|HLC-	sperm ass	protein-coding
chr17-626	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	62604169	62604800	+	0	NA	intron (N	intron (N	-23186	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr17-637	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	63724263	63728418	+	0	NA	intron (N	intron (N	15459	NM_001003	92335	Hs.514402	NM_153335	ENSG00000	STRADA	LYK5|NY-B	STE20 rel	protein-coding
chr17-756	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr17	75699931	75701879	+	0	NA	intron (N	intron (N	-20554	NM_001321	3691	Hs.632226	NM_000213	ENSG00000	ITGB4	CD104|GP1	integrin	protein-coding
chr18-542	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr18	54280227	54280717	+	0	NA	intron (N	MSTB1|LTR	10898	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr18-575	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr18	57569998	57572115	+	0	NA	intron (N	intron (N	15646	NM_001371095								
chr19-109	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr19	10996889	11000067	+	0	NA	intron (N	L1MC4|LIN	14326	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-126	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr19	12672681	12677402	+	0	NA	TTS (NM_0	TTS (NM_0	5288	NM_032332	84292	Hs.657204	NM_032332	ENSG00000	WDR83	MORG1	WD repeat	protein-coding
chr19-329	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr19	32946633	32948246	+	0	NA	intron (N	intron (N	24519	NM_032816	84902	Hs.599703	NM_032816	ENSG00000	CEP89	CCDC123|C	centrosom	protein-coding
chr19-534	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr19	53412016	53413396	+	0	NA	TTS (NM_0	TTS (NM_0	17557	NM_001040	91661	Hs.657821	NM_001040	ENSG00000	ZNF765	-	zinc fing	protein-coding
chr2-4691	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr2	46910305	46912681	+	0	NA	intron (N	intron (N	4313	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-2275	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	intron (N	AluJb|SIN	65258	NR_149019	729968	Hs.689550	NR_149019		LOC729968	-	spore coa	ncRNA
chr20-496	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr20	4967758	4970703	+	0	NA	intron (N	AluSp|SIN	32280	NM_005116	9962	Hs.516866	NM_005116	ENSG00000	SLC23A2	NBTL1|SLC	solute ca	protein-coding
chr21-332	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr21	33269810	33270947	+	0	NA	intron (N	AluY|SINE	4011	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding

chr22-504	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr22	50426581	50433032	+	0	NA	intron (N	MIR|SINE|	22364	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr3-1136	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr3	11360197	11362757	+	0	NA	intron (N	AluSg|SIN	89080	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-1198	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	Tigger1|D	75011	NM_022002	8856	Hs.7303	NM_003889	ENSG00000	NR1I2	BXR|ONR1|	nuclear r	protein-coding
chr3-1224	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	42078	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr4-1234	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr4	1234901	1237596	+	0	NA	intron (N	intron (N	12882	NM_001328	1487	Hs.208597	NM_001328	ENSG00000	CTBP1	BARS|HADD	C-termina	protein-coding
chr4-2629	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr4	2629859	2632494	+	0	NA	intron (N	intron (N	5744	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-8288	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr4	82887363	82890297	+	0	NA	intron (N	intron (N	2323	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AE	SEC31 hom	protein-coding
chr4-1588	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	L1MA5|LIN	56796	NM_001323	57600	Hs.652441	NM_020840	ENSG00000	FNIP2	FNIPL|MAF	folliculi	protein-coding
chr5-1384	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr5	13847961	13850090	+	0	NA	intron (N	L4_A_Mam|	95455	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-9679	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr5	96796290	96797501	+	0	NA	intron (N	AluJr|SIN	11050	NM_001040	51752	Hs.666524	NM_016442	ENSG00000	ERAP1	A-LAP|ALA	endoplasm	protein-coding
chr5-1592	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	21616	NM_145049	134510	Hs.591733	NM_145049	ENSG00000	UBLCP1	CPUB1	ubiquitin	protein-coding
chr5-1798	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	15523	NM_198868	23061	Hs.155829	NM_015043	ENSG00000	TBC1D9B	GRAMD9B	TBC1 doma	protein-coding
chr6-1166	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	16512	NM_145062	221302	Hs.29857	NM_145062	ENSG00000	ZUP1	C6orf113|	zinc fing	protein-coding
chr7-1660	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr7	16600302	16602673	+	0	NA	intron (N	intron (N	44267	NM_020319	57037	Hs.157378	NM_020319	ENSG00000	ANKMY2	ZMYND20	ankyrin r	protein-coding
chr7-1392	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSp|SIN	43492	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr8-6482	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr8	6482099	6483096	+	0	NA	intron (N	intron (N	75444	NM_001322	79648	Hs.593807	NM_024596	ENSG00000	MCPH1	BRIT1|MCT	microceph	protein-coding
chr8-4318	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr8	43188070	43189057	+	0	NA	intron (N	L1PA5|LIN	48099	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr8-9484	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr8	94843090	94845792	+	0	NA	intron (N	AluSq|SIN	21151	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr9-9652	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr9	96521017	96523589	+	0	NA	intron (N	intron (N	44528	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-9768	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr9	97688317	97688773	+	0	NA	intron (N	intron (N	8864	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr9-1252	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSc8|SI	12150	NM_001174	10244	Hs.19012	NM_005833	ENSG00000	RABEPK	RAB9P40|b	Rab9 effe	protein-coding
chr9-1281	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-4424	NR_033374	1E+08	Hs.693796	NR_033374		SLC25A25-	-	SLC25A25	ncRNA
chr9-1347	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	59778	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chrX-4721	7.418121	0.235774	0.846484	0.278533	0.780603	0.981636	chrX	47215296	47216677	+	0	NA	TTS (NM_C	TTS (NM_C	-2317	NM_033018	5127	Hs.496068	NM_006201	ENSG00000	CDK16	PCTAIRE|P	cyclin de	protein-coding
chr20-397	5.904783	0.268044	0.962493	0.278489	0.780637	0.981636	chr20	397217	397499	+	0	NA	3’ UTR (N	3’ UTR (N	-10692	NM_001323	10616	Hs.29546	NM_006462	ENSG00000	RBCK1	C20orf18|	RANBP2-ty	protein-coding
chr3-1567	5.904783	0.268044	0.962493	0.278489	0.780637	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	3’ UTR (N	3’ UTR (N	29203	NM_001184	25976	Hs.744050	NM_015508	ENSG00000	TIPARP	ARTD14|PA	TCDD indu	protein-coding
chr1-4481	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr1	44813774	44814837	+	0	NA	TTS (NM_C	TTS (NM_C	5823	NM_001136	149478	Hs.632400	NM_001136	ENSG00000	BTBD19	-	BTB domai	protein-coding
chr1-8449	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr1	84490368	84491761	+	0	NA	intron (N	intron (N	11798	NM_025065	80135	Hs.481202	NM_025065	ENSG00000	RPF1	BXDC5	ribosome	protein-coding
chr1-9311	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr1	93119785	93120180	+	0	NA	intron (N	intron (N	40699	NM_007358	22823	Hs.31016	NM_007358	ENSG00000	MTF2	M96|PCL2|	metal res	protein-coding
chr10-110	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	MIR|SINE|	25123	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr11-119	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr11	11961536	11968146	+	0	NA	intron (N	intron (N	43798	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-671	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr11	67193555	67194505	+	0	NA	intron (N	intron (N	-45984	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr13-244	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr13	24437067	24440134	+	0	NA	intron (N	Chap1_Mam	74178	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-103	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSp|SIN	28510	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr15-228	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr15	22852119	22854274	+	0	NA	intron (N	intron (N	14555	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr15-663	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr15	66328860	66330235	+	0	NA	intron (N	intron (N	17795	NR_004388	692149		NR_004388	ENSG00000	SCARNA14	U100	small Ca	ncRNA
chr15-706	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr15	70670294	70670665	+	0	NA	intron (N	MER50|LTR	31803	NM_001008	55075	Hs.108049	NM_018003	ENSG00000	UACA	NUCLING	uveal aut	protein-coding
chr17-307	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr17	30751997	30754619	+	0	NA	intron (N	AluSq|SIN	43700	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr19-468	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr19	46841586	46845683	+	0	NA	intron (N	AluSz|SIN	6680	NM_001301	1175	Hs.119591	NM_004069	ENSG00000	AP2S1	AP17|CLAP	adaptor r	protein-coding
chr2-1078	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr2	10780947	10786629	+	0	NA	3’ UTR (N	3’ UTR (N	28997	NM_005742	10130	Hs.212102	NM_005742	ENSG00000	PDIA6	ERP5|P5|T	protein d	protein-coding
chr2-1137	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSc5|SI	7763	NM_001330	80255	Hs.355655	NM_025181	ENSG00000	SLC35F5	-	solute ca	protein-coding
chr2-1275	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	L1MB7|LIN	8600	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr20-467	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr20	46718167	46720313	+	0	NA	intron (N	intron (N	9591	NM_030777	81031	Hs.305971	NM_030777	ENSG00000	SLC2A10	ATORS|ATS	solute ca	protein-coding
chr22-180	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr22	18083286	18085522	+	0	NA	intron (N	AluY|SINE	6414	NM_017929	55670	Hs.517400	NM_017929	ENSG00000	PEX26	PBD7A|PBD	peroxisom	protein-coding
chr3-1259	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr3	12599623	12601873	+	0	NA	intron (N	AluSx|SIN	43661	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|R	makorin r	protein-coding
chr3-1260	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr3	12603618	12604417	+	0	NA	intron (N	intron (N	46930	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|R	makorin r	protein-coding
chr3-1465	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr3	1.47E+08	1.47E+08	+	0	NA	intron (N	L1MA5|LIN	17378	NM_001363	5359	Hs.130759	NM_021105	ENSG00000	PLSCR1	MMTRA1B	phospholi	protein-coding
chr3-1680	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	73215	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr4-8467	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr4	84678173	84680312	+	0	NA	exon (NM_	exon (NM_	96115	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1218	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	8317	NM_005033	5393	Hs.91728	NM_005033	ENSG00000	EXOSC9	PCH1D|PM/	exosome c	protein-coding
chr5-4280	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr5	428090	430224	+	0	NA	intron (N	intron (N	14003	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr5-1591	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	13091	NM_001199	153830	Hs.349306	NM_144726	ENSG00000	RNF145	-	ring fing	protein-coding
chr7-1396	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	MSTB1|LTR	87264	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr8-2217	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr8	22173902	22178148	+	0	NA	intron (N	Tigger17a	10653	NR_033403	649	Hs.1274	NM_001199	ENSG00000	BMP1	OI13|PCOL	bone morp	protein-coding
chr9-1550	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr9	15505155	15506913	+	0	NA	intron (N	intron (N	4255	NM_021144	11168	Hs.658434	NM_021144	ENSG00000	PSIP1	DFS70|LED	PC4 and S	protein-coding
chr9-1114	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	43354	NM_001364	23392	Hs.368255	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 pro	protein-coding
chr9-1243	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJr|SIN	-17539	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chrX-2487	7.673811	-0.23229	0.834161	-0.27848	0.780647	0.981636	chrX	2487353	2488242	+	0	NA	3’ UTR (N	3’ UTR (N	12742	NM_001171	9189	Hs.131452	NM_004729	ENSG00000	ZBED1	ALTE|DREF	zinc fing	protein-coding
chr1-5299	8.964741	0.217432	0.780998	0.278402	0.780704	0.981636	chr1	52995248	52995447	+	0	NA	intron (N	intron (N	-19590	NM_001007	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr11-617	8.964741	0.217432	0.780998	0.278402	0.780704	0.981636	chr11	61788127	61790312	+	0	NA	TTS (NM_C	TTS (NM_C	3342	NR_030342	693196		NR_030342	ENSG00000	MIR611	MIRN611|h	microRNA	ncRNA
chr10-103	3.940066	-0.31824	1.143289	-0.27835	0.780741	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	MIRb|SINE	34671	NM_001011	84108	Hs.335808	NM_032154	ENSG00000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr11-868	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr11	86824974	86825912	+	0	NA	intron (N	L1PA3|LIN	24901	NM_001293	11098	Hs.25338	NM_007173	ENSG00000	PRSS23	SIG13|SPU	serine pr	protein-coding
chr17-626	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr17	62669829	62670251	+	0	NA	intron (N	intron (N	-36166	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG00000	LOC105371	-	uncharact	ncRNA
chr18-361	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr18	36120261	36122947	+	0	NA	intron (N	intron (N	7736	NM_012319	25800	Hs.79136	NM_012319	ENSG00000	SLC39A6	LIV-1|ZIP	solute ca	protein-coding
chr2-6079	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr2	60793673	60795682	+	0	NA	intron (N	intron (N	38409	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr20-185	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr20	18536492	18537622	+	0	NA	intron (N	Tigger2a|	29117	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr20-344	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr20	34420941	34422443	+	0	NA	intron (N	intron (N	-44633	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr22-317	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr22	31764978	31767452	+	0	NA	intron (N	intron (N	12192	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-1143	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	-12952	NR_038993	1E+08	Hs.122417	NR_038993	ENSG00000	ZBTB20-AS	-	ZBTB20 an	ncRNA
chr8-5263	7.914709	0.229519	0.824564	0.278353	0.780742	0.981636	chr8	52637877	52638946	+	0	NA	intron (N	L1M4|LINE	-72981	NM_207413	389658	Hs.527111	NM_207413	ENSG00000	ALKAL1	AUGA|AUGE	ALK and L	protein-coding
chr11-123	7.212354	-0.24096	0.866378	-0.27812	0.780921	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-31936	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr19-153	7.212354	-0.24096	0.866378	-0.27812	0.780921	0.981636	chr19	15399623	15399834	+	0	NA	intron (N	intron (N	19260	NM_014371	26993	Hs.399800	NM_014371	ENSG00000	AKAP8L	HA95|HAP9	A-kinase	protein-coding
chr4-2675	7.212354	-0.24096	0.866378	-0.27812	0.780921	0.981636	chr4	26751610	26752210	+	0	NA	intron (N	intron (N	108334	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr5-1094	7.212354	-0.24096	0.866378	-0.27812	0.780921	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME1|LIN	5868	NM_014819	9867	Hs.483036	NM_014819	ENSG00000	PJA2	Neurodap1	praja rin	protein-coding
chr7-6695	7.212354	-0.24096	0.866378	-0.27812	0.780921	0.981636	chr7	66951080	66951975	+	0	NA	intron (N	intron (N	30302	NM_017994	55069	Hs.488478	NM_017994	ENSG00000	TMEM248	C7orf42	transmemb	protein-coding
chr1-2082	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr1	20827234	20827861	+	0	NA	intron (N	intron (N	-40859	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-3937	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr1	39374091	39375962	+	0	NA	intron (N	AluY|SINE	-34047	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr12-111	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSq2|SI	33591	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr17-381	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr17	3817596	3818426	+	0	NA	intron (N	L1ME4a|LI	-16823	NM_002208	3682	Hs.513867	NM_002208	ENSG00000	ITGAE	CD103|HUM	integrin	protein-coding
chr17-183	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr17	18322599	18324956	+	0	NA	3’ UTR (N	3’ UTR (N	8484	NM_144775	140775	Hs.592944	NM_144775	ENSG00000	SMCR8	DENND8A	SMCR8-C9o	protein-coding
chr2-7435	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr2	74356553	74357108	+	0	NA	Intergeni	AluSc|SIN	-13414	NM_133478	57835	Hs.594099	NM_021196	ENSG00000	SLC4A5	NBC4|NBCe	solute ca	protein-coding
chr2-1272	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	33391	NM_001303	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr21-372	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr21	37229193	37229831	+	0	NA	intron (N	MER33|DNA	21009	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr22-378	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr22	37839493	37840264	+	0	NA	intron (N	L2c|LINE|	3970	NM_001363	129138	Hs.135259	NM_138797	ENSG00000	ANKRD54	LIAR	ankyrin r	protein-coding
chr3-7338	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr3	73386820	73388756	+	0	NA	intron (N	intron (N	46207	NM_001303	23024	Hs.660347	NM_015009	ENSG00000	PDZRN3	LNX3|SEMA	PDZ domai	protein-coding
chr5-2516	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr5	251695	252530	+	0	NA	intron (N	intron (N	19412	NR_104613	1.02E+08	Hs.368328	NR_104613		HRAT5	-	heart tis	ncRNA
chr7-9891	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr7	98912694	98913478	+	0	NA	intron (N	LTR45B|LT	31389	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr7-1299	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	51575	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr9-3392	7.459261	0.237499	0.854447	0.277957	0.781046	0.981636	chr9	33926916	33928198	+	0	NA	intron (N	intron (N	6807	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr1-2353	7.906851	0.231438	0.832849	0.277887	0.781099	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	L1PA3|LIN	19838	NM_001287	6905	Hs.744998	NM_003193	ENSG00000	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr12-717	7.906851	0.231438	0.832849	0.277887	0.781099	0.981636	chr12	71781821	71782699	+	0	NA	intron (N	intron (N	27397	NM_014999	23011	Hs.524590	NM_014999	ENSG00000	RAB21	-	RAB21, me	protein-coding
chr14-584	7.906851	0.231438	0.832849	0.277887	0.781099	0.981636	chr14	58468922	58469144	+	0	NA	intron (N	intron (N	29352	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr10-708	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr10	70861642	70862373	+	0	NA	intron (N	LTR12C|LT	25874	NM_001289	5092	Hs.3192	NM_000281	ENSG00000	PCBD1	DCOH|PCBD	pterin-4	protein-coding
chr19-370	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr19	37089287	37089855	+	0	NA	intron (N	intron (N	11138	NM_001329	147923	Hs.444992	NM_144689	ENSG00000	ZNF420	APAK	zinc fing	protein-coding
chr19-572	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr19	57244127	57245154	+	0	NA	intron (N	intron (N	4008	NM_001023	390980	Hs.22488	NM_001023	ENSG00000	ZNF805	-	zinc fing	protein-coding
chr20-582	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr20	58242994	58243624	+	0	NA	intron (N	intron (N	-14656	NM_001304	140731	Hs.266571	NM_080674	ENSG00000	ANKRD60	C20orf86|	ankyrin r	protein-coding
chr22-207	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr22	20710677	20711423	+	0	NA	intron (N	intron (N	9936	NR_026815	84222	Hs.546454	NM_032262	ENSG00000	TMEM191A	TMEM191AP	transmemb	pseudo
chr22-208	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr22	20872448	20873629	+	0	NA	intron (N	AluSx|SIN	14031	NM_004782	9342	Hs.108002	NM_004782	ENSG00000	SNAP29	CEDNIK|SN	synaptoso	protein-coding
chr5-3211	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr5	32111777	32112667	+	0	NA	Intergeni	Intergeni	62097	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr5-1296	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1P2|LINE	-135634	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1325	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	MSTA-int|	7638	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr8-1984	7.963707	0.22933	0.825508	0.277805	0.781162	0.981636	chr8	19840656	19844975	+	0	NA	intron (N	intron (N	25399	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integrato	protein-coding
chr8-5582	7.492542	0.241295	0.869022	0.277662	0.781272	0.981636	chr8	55824232	55825020	+	0	NA	exon (NM_	exon (NM_	51180	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr5-1500	7.697384	-0.23762	0.856466	-0.27744	0.781439	0.981636	chr5	1500814	1501290	+	0	NA	intron (N	intron (N	9804	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr12-511	6.954815	0.246801	0.889636	0.277418	0.781459	0.981636	chr12	51109838	51110790	+	0	NA	intron (N	AluSx|SIN	-26718	NM_030809	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr16-308	6.954815	0.246801	0.889636	0.277418	0.781459	0.981636	chr16	30888687	30889071	+	0	NA	exon (NM_	exon (NM_	-5024	NR_031576	1E+08		NR_031576	ENSG00000	MIR762	hsa-mir-7	microRNA	ncRNA
chr2-1281	6.954815	0.246801	0.889636	0.277418	0.781459	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	FLAM_A|SI	48142	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr4-5724	6.954815	0.246801	0.889636	0.277418	0.781459	0.981636	chr4	5724725	5725369	+	0	NA	intron (N	L1PA10|LI	13846	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr5-1484	6.954815	0.246801	0.889636	0.277418	0.781459	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	L2a|LINE|	38197	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr1-1702	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr1	17024644	17028340	+	0	NA	intron (N	AluSz|SIN	-14564	NM_001141	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-2856	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr1	28564127	28568704	+	0	NA	intron (N	AluSx|SIN	12407	NR_003077	692212		NR_003077	ENSG00000	SNORD99	HBII-420	small nuc	snoRNA
chr10-149	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr10	14930721	14935408	+	0	NA	intron (N	intron (N	21032	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-918	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr10	91816073	91818653	+	0	NA	intron (N	intron (N	18937	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr11-689	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr11	68917341	68918158	+	0	NA	exon (NM_	exon (NM_	13898	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr11-103	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA3|LIN	27179	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr12-684	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr12	6843764	6846301	+	0	NA	intron (N	L1MC4|LIN	4107	NM_002075	2784	Hs.631657	NM_002075	ENSG00000	GNB3	CSNB1H	G protein	protein-coding
chr12-572	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr12	57267900	57269917	+	0	NA	intron (N	intron (N	-17721	NM_001286	246329	Hs.417595	NM_145064	ENSG00000	STAC3	MYPBB|NAM	SH3 and c	protein-coding
chr12-927	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr12	92789608	92790859	+	0	NA	intron (N	L1PA6|LIN	53744	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-111	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	47953	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr14-225	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr14	22563111	22566716	+	0	NA	TTS (NM_C	TTS (NM_C	-7851	NR_146543	1.05E+08		NR_146543	ENSG00000	LINC02332	-	long inte	ncRNA
chr15-399	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr15	39964585	39966340	+	0	NA	intron (N	intron (N	31347	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr15-725	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr15	72580035	72583799	+	0	NA	intron (N	intron (N	-5300	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr15-749	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr15	74917890	74918874	+	0	NA	Intergeni	AluSx|SIN	-11488	NR_135842	57184	Hs.367690	NM_020447	ENSG00000	FAM219B	C15orf17	family wi	protein-coding

chr16-909	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr16	9099802	9102162	+	0	NA	intron (N	intron (N	9338	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr16-150	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr16	15073991	15077926	+	0	NA	intron (N	LTR16A1|L	18377	NM_001301	54700	Hs.460078	NM_018427	ENSG00000	RRN3	A-270G1.2	RRN3 homc	protein-coding
chr16-155	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr16	15595637	15597672	+	0	NA	3’ UTR (N	3’ UTR (N	14441	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-899	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr16	89980169	89986539	+	0	NA	intron (N	intron (N	-10522	NM_145039	92806	Hs.513832	NM_145039	ENSG00000	CENPBD1	-	CENPB DNA	protein-coding
chr17-690	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr17	690125	690647	+	0	NA	intron (N	MER102b|D	24453	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-404	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr17	4042431	4046980	+	0	NA	intron (N	AluSc|SIN	67602	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-305	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr17	30504695	30506242	+	0	NA	intron (N	Tigger1|D	28060	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-599	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr17	59945680	59946797	+	0	NA	intron (N	L2a|LINE|	18502	NM_016125	51136	Hs.531701	NM_016125	ENSG00000	RNFT1	PTD016	ring fing	protein-coding
chr17-625	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr17	62599319	62603071	+	0	NA	intron (N	intron (N	-26475	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr19-168	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr19	16831430	16837499	+	0	NA	intron (N	intron (N	5066	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 tran	protein-coding
chr19-574	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr19	57442584	57446834	+	0	NA	exon (NM_	exon (NM_	9384	NM_001321	388567	Hs.467358	NM_001023	ENSG00000	ZNF749	-	zinc fing	protein-coding
chr2-1620	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	30588	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1784	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr2	1.78E+08	1.79E+08	+	0	NA	intron (N	Tigger16a	-20512	NR_038272	1.01E+08	Hs.710694	NR_038271	ENSG00000	TTN-AS1	-	TTN antis	ncRNA
chr20-458	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr20	45801190	45811299	+	0	NA	intron (N	AluSp|SIN	-6332	NM_001281	11065	Hs.93002	NM_007019	ENSG00000	UBE2C	UBCH10|dJ	ubiquitir	protein-coding
chr22-238	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr22	23816973	23819383	+	0	NA	intron (N	AluY|SINE	20828	NM_001135	91319	Hs.593679	NM_198440	ENSG00000	DERL3	C22orf14|	derlin 3	protein-coding
chr22-240	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr22	24064318	24065680	+	0	NA	intron (N	SVA_D|Ret	53629	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr22-296	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr22	29667471	29669719	+	0	NA	intron (N	intron (N	-51408	NM_182527	164633	Hs.643608	NM_182527	ENSG00000	CABP7	CALN2	calcium b	protein-coding
chr3-1523	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr3	15230711	15237337	+	0	NA	intron (N	intron (N	-20160	NR_046084	1.01E+08	Hs.745026	NR_046084	ENSG00000	SH3BP5-AS	-	SH3BP5 ar	ncRNA
chr3-1541	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr3	15413074	15417423	+	0	NA	intron (N	MIRc|SINE	12296	NM_001330	131965	Hs.149487	NM_152396	ENSG00000	METTL6	-	methyltra	protein-coding
chr3-4750	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr3	47501189	47503683	+	0	NA	intron (N	AluSz|SIN	10909	NM_001363	54859	Hs.311100	NM_017713	ENSG00000	ELP6	C3orf75|T	elongator	protein-coding
chr3-1254	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	59511	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting r	protein-coding
chr3-1292	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJo|SIN	11969	NM_001370	56941	Hs.458320	NM_020187	ENSG00000	HMCES	C3orf37|D	5-hydroxy	protein-coding
chr4-3155	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr4	3155770	3158189	+	0	NA	intron (N	intron (N	82298	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr4-5188	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr4	51886854	51889308	+	0	NA	intron (N	intron (N	44502	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr4-1222	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1M1|LINE	81507	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-1726	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr5	17260876	17261800	+	0	NA	intron (N	intron (N	43707	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr5-3715	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr5	37156284	37157888	+	0	NA	intron (N	intron (N	-91960	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-9674	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr5	96747652	96750895	+	0	NA	intron (N	intron (N	5671	NR_104285	831	Hs.436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr5-1384	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-9234	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr5-1600	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	L1ME2|LIN	3734	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr6-9653	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr6	96532043	96532753	+	0	NA	intron (N	MSTA1|LTR	10592	NM_015323	23376	Hs.149367	NM_015323	ENSG00000	UFL1	KIAA0776|	UFM1 spec	protein-coding
chr6-1112	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	MER11B|LT	41238	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr6-1121	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-70124	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr6-1389	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	intron (N	MER58C|DN	80213	NM_001128	85021	Hs.334603	NM_031922	ENSG00000	REPS1	NBIA7|RAL	RALBP1 as	protein-coding
chr6-1422	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	MSTA-int|	66102	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr7-7309	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr7	73096778	73098817	+	0	NA	Intergeni	AluJr|SIN	-11763	NR_003664	728524	Hs.571275	NM_001023562		SPDYE8P	-	speedy/RI	pseudo
chr7-7459	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr7	74597078	74598173	+	0	NA	intron (N	AluSz|SIN	1657	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr7-8016	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr7	80169986	80170756	+	0	NA	intron (N	L1MB8|LIN	34587	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G protein	protein-coding
chr7-1050	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	49756	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1283	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	28892	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr8-2021	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr8	20211237	20213751	+	0	NA	intron (N	intron (N	15113	NM_001693	526	Hs.295917	NM_001693	ENSG00000	ATP6V1B2	ATP6B1B2|	ATPase H+	protein-coding
chr8-6721	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr8	67218997	67227606	+	0	NA	intron (N	AluJr|SIN	120480	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-1238	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (N	(TA)n|Sim	40420	NM_144963	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr9-9210	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr9	92105121	92109037	+	0	NA	intron (N	L1M5|LINE	8334	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1088	7.922567	0.227651	0.820622	0.277413	0.781463	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	28700	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr8-7065	9.461329	0.213431	0.770019	0.277177	0.781644	0.981636	chr8	70658547	70659404	+	0	NA	intron (N	AluSx3|SI	10210	NM_016027	51110	Hs.118554	NM_016027	ENSG00000	LACTB2	CGI-83	lactamase	protein-coding
chr11-112	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5613	NM_001931	1737	Hs.335551	NM_001931	ENSG00000	DLAT	DLTA|E2|F	dihydroli	protein-coding
chr17-305	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr17	30507347	30507546	+	0	NA	intron (N	AluSx|SIN	30038	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr19-136	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr19	1362416	1363775	+	0	NA	intron (N	L1MD2|LIN	5676	NR_163149	84939	Hs.515016	NM_032220	ENSG00000	PWWP3A	EXPAND1|H	PWWP doma	protein-coding
chr19-186	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr19	18667879	18669272	+	0	NA	TTS (NM_0	TTS (NM_0	-15105	NM_015321	23373	Hs.371096	NM_015321	ENSG00000	CRTC1	MAML2|MEC	CREB regu	protein-coding
chr22-237	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr22	23713670	23714014	+	0	NA	intron (N	AluJr|SIN	3581	NR_024448	91316	Hs.148656	NR_024448	ENSG00000	GUSBP11	-	GUSB pseu	pseudo
chr4-1395	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	39062	NM_001306	80854	Hs.480792	NM_030648	ENSG00000	SETD7	KMT7|SET7	SET domai	protein-coding
chr8-6715	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr8	67154417	67155708	+	0	NA	intron (N	intron (N	71214	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-6724	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chr8	67247602	67253274	+	0	NA	intron (N	intron (N	93343	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chrX-4650	8.468153	0.222132	0.801411	0.277176	0.781645	0.981636	chrX	46500436	46501311	+	0	NA	exon (NM_	exon (NM_	44548	NM_001190	641339	Hs.636105	NM_001039	ENSG00000	ZNF674	MRX92|ZNF	zinc fing	protein-coding
chr10-620	11.863	-0.18993	0.685507	-0.27707	0.781729	0.981636	chr10	62049797	62062614	+	0	NA	intron (N	intron (N	6848	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr9-1286	11.863	-0.18993	0.685507	-0.27707	0.781729	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	4220	NM_001248	6418	Hs.436687	NM_003011	ENSG00000	SET	2PP2A|I2F	SET nucle	protein-coding
chr14-886	9.453471	0.215218	0.777946	0.276649	0.782049	0.981636	chr14	88610954	88611189	+	0	NA	intron (N	intron (N	16651	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr3-1506	9.453471	0.215218	0.777946	0.276649	0.782049	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25639	NM_016275	51714	Hs.369052	NM_016275	ENSG00000	SELENOT	SELT	selenopro	protein-coding
chr1-6619	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	6619208	6623899	+	0	NA	exon (NM_	exon (NM_	-3312	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-2123	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	21230007	21231858	+	0	NA	intron (N	AluSp|SIN	48683	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-4619	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	46192157	46192551	+	0	NA	exon (NM_	exon (NM_	5145	NM_001290	55624	Hs.525134	NM_017739	ENSG00000	POMGNT1	GNTI.2|Gr	protein (	protein-coding
chr1-6247	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	62472972	62474277	+	0	NA	intron (N	AluJr|SIN	36575	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitir	protein-coding
chr1-8418	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	84189468	84194119	+	0	NA	intron (N	L1PA16|LI	10161	NM_001242	5567	Hs.487325	NM_002731	ENSG00000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-2416	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	exon (NM_	exon (NM_	1196	NM_001821	1122	Hs.654545	NM_001821	ENSG00000	CHML	REP2	CHM like	protein-coding
chr10-731	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr10	73133922	73139614	+	0	NA	exon (NM_	exon (NM_	-10561	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr10-864	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr10	86434674	86438604	+	0	NA	3’ UTR (N	3’ UTR (N	-69844	NM_017551	2894	Hs.530653	NM_017551	ENSG00000	GRID1	GluD1	glutamate	protein-coding
chr10-875	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr10	87508513	87509332	+	0	NA	intron (N	intron (N	1089	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr11-129	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr11	12942216	12944236	+	0	NA	3’ UTR (N	3’ UTR (N	46322	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-663	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr11	66331593	66334163	+	0	NA	intron (N	intron (N	3556	NM_001363	9610	Hs.1030	NM_004292	ENSG00000	RIN1	-	Ras and R	protein-coding
chr11-108	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz|SIN	-40534	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr12-641	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr12	64127148	64140105	+	0	NA	intron (N	HERVL-int	88670	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-112	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	30316	NM_024953	80018	Hs.530941	NM_024953	ENSG00000	NAA25	C12orf30|	N(alpha)-	protein-coding
chr13-197	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	19746902	19748994	+	0	NA	intron (N	AluSz|SIN	34997	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-383	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	38359576	38361992	+	0	NA	non-codin	non-codin	10933	NM_001286	51569	Hs.643655	NM_016617	ENSG00000	UFM1	BM-002|C1	ubiquitir	protein-coding
chr13-413	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	41372902	41376265	+	0	NA	intron (N	MER63A|DN	-62545	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochonc	protein-coding
chr13-450	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	45007039	45012108	+	0	NA	intron (N	MIRc|SINE	20035	NM_018559	55425	Hs.731811	NM_018559	ENSG00000	GPALPP1	AD029|KIA	GPALPP mc	protein-coding
chr13-467	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	46771371	46777648	+	0	NA	intron (N	intron (N	22652	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr13-110	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	Tigger1|D	44283	NM_018210	55739	Hs.408324	NM_018210	ENSG00000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr13-113	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-6618	NM_138430	113622	Hs.98669	NM_138430	ENSG00000	ADPRHL1	ARH2	ADP-ribos	protein-coding
chr14-921	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr14	92137594	92141655	+	0	NA	intron (N	AluSx|SIN	17655	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr15-749	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr15	74914773	74917879	+	0	NA	Intergeni	AluY|SINE	-9432	NR_135842	57184	Hs.367690	NM_020447	ENSG00000	FAM219B	C15orf17	family wi	protein-coding
chr16-245	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr16	24555366	24562296	+	0	NA	intron (N	intron (N	19244	NM_032626	5930	Hs.188553	NM_006910	ENSG00000	RBBP6	MY038|P2P	RB bindir	protein-coding
chr16-754	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr16	75409100	75412571	+	0	NA	intron (N	AluY|SINE	22668	NM_006324	10428	Hs.461361	NM_006324	ENSG00000	CFDP1	BCNT|BUCE	craniofac	protein-coding
chr17-543	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr17	5430960	5437579	+	0	NA	intron (N	intron (N	4886	NM_001212	708	Hs.555866	NM_001212	ENSG00000	C1QBP	COXPD33|C	complemer	protein-coding
chr17-660	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr17	6605909	6610497	+	0	NA	intron (N	intron (N	32508	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr17-375	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr17	37580919	37583080	+	0	NA	intron (N	AluSx|SIN	27419	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr17-599	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr17	59940744	59942827	+	0	NA	intron (N	AluSc|SIN	22955	NM_016125	51136	Hs.531701	NM_016125	ENSG00000	RNFT1	PTD016	ring fing	protein-coding
chr18-913	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr18	9132006	9133454	+	0	NA	intron (N	AluJb|SIN	3990	NR_110771	1.02E+08	Hs.656442	NR_110771	ENSG00000	NDUFV2-AS	-	NDUFV2 ar	ncRNA
chr18-994	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr18	9942688	9943521	+	0	NA	intron (N	intron (N	29088	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP assc	protein-coding
chr18-361	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr18	36124281	36126694	+	0	NA	intron (N	intron (N	3853	NM_012319	25800	Hs.79136	NM_012319	ENSG00000	SLC39A6	LIV-1|ZIF	solute ca	protein-coding
chr18-459	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr18	45936349	45941053	+	0	NA	intron (N	MIRc|SINE	28628	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr19-935	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr19	935095	939964	+	0	NA	intron (N	L1MB7|LIN	11494	NM_005224	1820	Hs.501296	NM_005224	ENSG00000	ARID3A	BRIGHT|DR	AT-rich i	protein-coding
chr19-387	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr19	38700643	38701290	+	0	NA	intron (N	(CT)n|Sim	43508	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr2-5389	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr2	53898989	53909108	+	0	NA	exon (NM_	exon (NM_	-44015	NM_001164	1E+08	Hs.40763	NM_001164	ENSG00000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-6390	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr2	63900963	63904266	+	0	NA	intron (N	L1ME1|LIN	60734	NM_006759	7360	Hs.516217	NM_006759	ENSG00000	UGP2	UDPG|UDPC	UDP-glucc	protein-coding
chr2-9661	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr2	96610435	96614845	+	0	NA	intron (N	intron (N	25351	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr2-1967	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	TTS (NM_0	TTS (NM_0	19845	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr20-490	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr20	49087223	49096776	+	0	NA	intron (N	intron (N	45687	NM_001316	1434	Hs.90073	NM_001316	ENSG00000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr20-501	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr20	50140739	50141731	+	0	NA	intron (N	MIRb|SINE	12488	NM_199129	387521	Hs.744839	NM_199129	ENSG00000	TMEM189	KUA	transmemb	protein-coding
chr20-637	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr20	63741871	63742397	+	0	NA	exon (NM_	exon (NM_	2358	NM_020062	56731	Hs.435126	NM_020062	ENSG00000	SLC2A4RG	GEF|HDBP-	SLC2A4 re	protein-coding
chr22-311	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr22	31198878	31200745	+	0	NA	intron (N	intron (N	-12487	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr22-318	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr22	31816433	31817729	+	0	NA	intron (N	intron (N	63058	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-1360	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	THE1B-int	61732	NM_181897	5523	Hs.518155	NM_002718	ENSG00000	PPP2R3A	PPP2R3|PR	protein p	protein-coding
chr3-1490	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	L2b|LINE|	16958	NM_004130	2992	Hs.477892	NM_004130	ENSG00000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr3-1899	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	141639	NR_030642	1E+08		NR_030642	ENSG00000	MIR944	MIRN944|h	microRNA	ncRNA
chr4-5340	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr4	53407273	53410375	+	0	NA	intron (N	L1PA3|LIN	31171	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr4-6762	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr4	67620373	67625851	+	0	NA	intron (N	intron (N	64385	NM_001317	26228	Hs.435579	NM_012108	ENSG00000	STAP1	BRDG1|STA	signal tr	protein-coding
chr5-3895	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr5	38954530	38959161	+	0	NA	intron (N	intron (N	110833	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-1503	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz|SIN	24443	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr6-2048	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr6	20485184	20486533	+	0	NA	intron (N	Charlie22	-48599	NM_017774	54901	Hs.657604	NM_017774	ENSG00000	CDKAL1	-	CDK5 regu	protein-coding
chr6-4357	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr6	43571727	43572685	+	0	NA	intron (N	AluJb|SIN	3832	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr6-8933	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr6	89332116	89335383	+	0	NA	intron (N	intron (N	-18450	NM_002043	2570	Hs.379330	NM_002043	ENSG00000	GABRR2	-	gamma-ami	protein-coding
chr6-1006	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-142668	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr6-1473	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	exon (NM_	exon (NM_	-122534	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr7-9900	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr7	99004719	99007698	+	0	NA	intron (N	intron (N	-6957	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-4307	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr8	43076427	43081541	+	0	NA	intron (N	Tigger1|D	-14522	NM_001277	84197	Hs.491646	NM_032237	ENSG00000	POMK	MDDGA12|M	protein (	protein-coding
chr8-1058	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	258579	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr9-9140	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chr9	91406929	91410793	+	0	NA	TTS (NM_0	TTS (NM_0	14971	NM_005384	4783	Hs.79334	NM_005384	ENSG00000	NFIL3	E4BP4|IL3	nuclear f	protein-coding
chrX-4576	7.665953	-0.23056	0.834009	-0.27645	0.782206	0.981636	chrX	45763824	45768241	+	0	NA	Intergeni	MIR|SINE|	-18908	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr1-2916	8.419155	0.222317	0.80442	0.27637	0.782264	0.981636	chr1	29160191	29160786	+	0	NA	exon (NM_	exon (NM_	21412	NM_005626	6429	Hs.469970	NM_005626	ENSG00000	SRSF4	SFRS4|SRF	serine ar	protein-coding
chr2-2401	8.419155	0.222317	0.80442	0.27637	0.782264	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	3903	NM_001163	150678	Hs.293884	NM_138336	ENSG00000	COPS9	CSNAP|MYE	COP9 sigr	protein-coding
chr3-1424	8.419155	0.222317	0.80442	0.27637	0.782264	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJo|SIN	41251	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding

chr1-1612	8.972599	0.215772	0.78118	0.276213	0.782384	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1687	NR_049819	1.01E+08		NR_049819	ENSG00000	MIR5187	mir-5187	microRNA	ncRNA
chr21-334	8.972599	0.215772	0.78118	0.276213	0.782384	0.981636	chr21	33421463	33422572	+	0	NA	intron (N	MER58A|DN	19121	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interfero	protein-coding
chr14-102	8.094128	-0.22728	0.822854	-0.27621	0.782386	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	40463	NM_005348	3320	Hs.525600	NM_005348	ENSG00000	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr2-2332	8.094128	-0.22728	0.822854	-0.27621	0.782386	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-5387	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Caj	ncRNA
chr16-302	12.3656	-0.18506	0.67003	-0.27619	0.7824	0.981636	chr16	30277255	30281052	+	0	NA	Intergeni	Intergeni	-30740	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr1-1565	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	3987	NM_015590	54865	Hs.193832	NM_015590	ENSG00000	GPATCH4	GPATC4	G-patch d	protein-coding
chr1-2130	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	LTR41B|LT	37034	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr10-110	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	14916	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr10-124	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr10	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	13712	NM_001322	4942	Hs.523332	NM_000274	ENSG00000	OAT	GACR|HOGA	ornithine	protein-coding
chr12-644	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr12	64485529	64493609	+	0	NA	intron (N	AluSc8|SI	37449	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK bind	protein-coding
chr12-105	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	15756	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr13-302	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr13	30275040	30276270	+	0	NA	intron (N	L1MA9|LIN	31356	NM_001014	84056	Hs.243596	NM_032116	ENSG00000	KATNAL1	-	katanin c	protein-coding
chr14-920	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr14	92012967	92014356	+	0	NA	intron (N	intron (N	26398	NM_004239	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr14-101	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-39128	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT2O|DHC	dynein cy	protein-coding
chr16-158	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr16	15870360	15871216	+	0	NA	intron (N	AluJr|SIN	-13758	NM_022844	4629	Hs.460109	NM_002474	ENSG00000	MYH11	AAT4|FAA4	myosin he	protein-coding
chr18-625	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr18	62574430	62575483	+	0	NA	exon (NM_	exon (NM_	51931	NR_126534	54877	Hs.114191	NM_017742	ENSG00000	ZCCHC2	C18orf49	zinc fing	protein-coding
chr22-378	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr22	37858703	37861577	+	0	NA	intron (N	L2a|LINE|	10721	NM_001363	51386	Hs.446852	NM_016091	ENSG00000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr4-2671	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr4	2671027	2674605	+	0	NA	intron (N	intron (N	47384	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr7-4730	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr7	47300850	47305154	+	0	NA	exon (NM_	exon (NM_	161801	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-9945	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr7	99457740	99458864	+	0	NA	TTS (NM_0	TTS (NM_0	7865	NM_001198	1.01E+08		NM_001198	ENSG00000	ATP5MF-PT	ATP5J2-PT	ATP5MF-PT	protein-coding
chr8-5382	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr8	53826669	53829520	+	0	NA	intron (N	L1PREC2|L	14948	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr9-1116	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	non-codin	non-codin	-8129	NM_001198	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chr9-1308	8.427013	0.22052	0.798955	0.27601	0.78254	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	Tigger11a	29702	NM_005157	25	Hs.431048	NM_005157	ENSG00000	ABL1	ABL|CHDSK	ABL proto	protein-coding
chr13-410	8.143125	-0.2264	0.820315	-0.27599	0.782558	0.981636	chr13	41081317	41081722	+	0	NA	intron (N	AluJb|SIN	19581	NR_036127	1E+08		NR_036127	ENSG00000	MIR3168	-	microRNA	ncRNA
chr17-568	8.143125	-0.2264	0.820315	-0.27599	0.782558	0.981636	chr17	56899953	56901543	+	0	NA	intron (N	L2b|LINE|	-9393	NR_037408	1.01E+08		NR_037408	ENSG00000	MIR3614	mir-3614	microRNA	ncRNA
chr20-365	8.143125	-0.2264	0.820315	-0.27599	0.782558	0.981636	chr20	36518994	36519240	+	0	NA	intron (N	AluSg|SIN	-22402	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr9-9352	7.898993	0.233446	0.846034	0.275929	0.782602	0.981636	chr9	93529379	93530962	+	0	NA	3’ UTR (N	3’ UTR (N	-46414	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|G	PHD finge	protein-coding
chr1-2783	7.624813	-0.23321	0.846228	-0.27559	0.782866	0.981636	chr1	27833434	27833708	+	0	NA	promoter-	promoter-	-830	NR_002997	677774	Hs.689694	NR_002997	ENSG00000	SCARNA1	ACA35	small Caj	ncRNA
chr13-771	7.624813	-0.23321	0.846228	-0.27559	0.782866	0.981636	chr13	77193652	77193893	+	0	NA	intron (N	intron (N	118258	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr16-302	7.624813	-0.23321	0.846228	-0.27559	0.782866	0.981636	chr16	3027294	3028229	+	0	NA	TTS (NM_0	TTS (NM_0	-3475	NM_001288	54985	Hs.423103	NM_017885	ENSG00000	HCFC1R1	HPIP	host cell	protein-coding
chr2-9993	7.624813	-0.23321	0.846228	-0.27559	0.782866	0.981636	chr2	99933593	99933900	+	0	NA	intron (N	L1PA8|LIN	171837	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr3-7296	7.624813	-0.23321	0.846228	-0.27559	0.782866	0.981636	chr3	72967565	72968046	+	0	NA	intron (N	intron (N	-28938	NM_001318	151987	Hs.431092	NM_174907	ENSG00000	PPP4R2	PP4R2	protein p	protein-coding
chr1-5191	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr1	51918494	51919933	+	0	NA	3’ UTR (N	3’ UTR (N	-40276	NM_002525	4898	Hs.584782	NM_002525	ENSG00000	NRDC	NRD1|hNRD	nardilysi	protein-coding
chr16-309	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr16	30936183	30936561	+	0	NA	intron (N	MIR|SINE|	11797	NM_001099	54620	Hs.152149	NM_019085	ENSG00000	FBXL19	CXXC11|Fb	F-box and	protein-coding
chr22-382	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr22	38229247	38231710	+	0	NA	intron (N	intron (N	-5758	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr4-7666	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr4	766664	768428	+	0	NA	3’ UTR (N	3’ UTR (N	14302	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr4-2072	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr4	20722008	20722344	+	0	NA	intron (N	L1PA5|LIN	21718	NM_001330	133015	Hs.479298	NM_145048	ENSG00000	PACRGL	C4orf28	parkin co	protein-coding
chr4-7316	8.135267	-0.22467	0.815269	-0.27557	0.782877	0.981636	chr4	73168461	73169977	+	0	NA	intron (N	Tigger17a	53838	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr2-2890	7.386689	0.243956	0.88548	0.275507	0.782927	0.981636	chr2	28902029	28902831	+	0	NA	intron (N	LTR50|LTR	7763	NM_015131	23160	Hs.622982	NM_015131	ENSG00000	WDR43	NET12|UTP	WD repeat	protein-coding
chr8-3826	8.411297	0.22419	0.813982	0.275423	0.782991	0.981636	chr8	38262921	38264100	+	0	NA	TTS (NM_0	TTS (NM_0	5710	NM_032483	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTP	phospholi	protein-coding
chr1-1525	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr1	1525174	1526634	+	0	NA	intron (N	AluJb|SIN	13374	NM_001170	55210	Hs.23413	NM_018188	ENSG00000	ATAD3A	HAYOS	ATPase fa	protein-coding
chr1-2693	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr1	26933789	26934736	+	0	NA	intron (N	THE1C|LTR	12519	NM_006600	10726	Hs.263812	NM_006600	ENSG00000	NUDC	HNUDC|MNU	nuclear c	protein-coding
chr1-4342	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr1	43420327	43421870	+	0	NA	intron (N	intron (N	-27441	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr1-4463	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr1	44638419	44640902	+	0	NA	intron (N	intron (N	31396	NR_145816	1.1E+08		NR_145816		SNORD145	-	small nuc	snoRNA
chr1-1656	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	32645	NM_004528	4259	Hs.191734	NM_004528	ENSG00000	MGST3	GST-III	microsoma	protein-coding
chr10-136	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr10	13652950	13654067	+	0	NA	intron (N	intron (N	54059	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr10-133	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-7953	NM_001164	101	Hs.501574	NM_001109	ENSG00000	ADAM8	CD156|CD1	ADAM meta	protein-coding
chr11-112	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	13018	NM_138789	120379	Hs.420662	NM_138789	ENSG00000	PIH1D2	-	PIH1 doma	protein-coding
chr12-906	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr12	9067936	9070726	+	0	NA	intron (N	intron (N	4154	NR_137424	144571	Hs.592432	NR_026971	ENSG00000	A2M-AS1	-	A2M antis	ncRNA
chr12-652	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr12	65218918	65219878	+	0	NA	intron (N	L3b|LINE|	49815	NM_014319	23592	Hs.744150	NM_014319	ENSG00000	LEMD3	MAN1	LEM domai	protein-coding
chr12-960	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr12	96022573	96024164	+	0	NA	intron (N	intron (N	12219	NM_000895	4048	Hs.524648	NM_000895	ENSG00000	LTA4H	-	leukotrie	protein-coding
chr14-241	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr14	24175938	24177717	+	0	NA	exon (NM_	exon (NM_	4747	NM_005132	9985	Hs.419259	NM_005132	ENSG00000	REC8	HR21spB|R	REC8 meio	protein-coding
chr16-195	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr16	19573260	19575315	+	0	NA	intron (N	intron (N	18584	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 end	protein-coding
chr16-309	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr16	30930472	30933680	+	0	NA	intron (N	MIR|SINE|	7501	NM_001099	54620	Hs.152149	NM_019085	ENSG00000	FBXL19	CXXC11|Fb	F-box and	protein-coding
chr16-744	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr16	74464415	74466534	+	0	NA	intron (N	MER5A|DNA	-44004	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr16-749	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr16	74950327	74951765	+	0	NA	intron (N	AluSz|SIN	34077	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr17-428	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr17	42813214	42815271	+	0	NA	intron (N	intron (N	9637	NM_001313	8678	Hs.716464	NM_003766	ENSG00000	BECN1	ATG6|VPS3	beclin 1	protein-coding
chr17-478	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr17	47827483	47828778	+	0	NA	intron (N	AluSc8|SI	3411	NM_145255	124995	Hs.347535	NM_145255	ENSG00000	MRPL10	L10MT|MRP	mitochond	protein-coding
chr17-750	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr17	75000390	75004693	+	0	NA	intron (N	MIRb|SINE	-10129	NM_001545	3396	Hs.407955	NM_001545	ENSG00000	MRPL58	DS-1|DS1|	mitochond	protein-coding
chr19-646	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr19	646418	649020	+	0	NA	3’ UTR (N	3’ UTR (N	7793	NM_020637	27006	Hs.248087	NM_020637	ENSG00000	FGF22	-	fibroblas	protein-coding
chr19-466	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr19	4664208	4665434	+	0	NA	intron (N	intron (N	5582	NM_019107	56005	Hs.465645	NM_019107	ENSG00000	MYDGF	C19orf10|	myeloid d	protein-coding
chr19-402	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr19	40209915	40212093	+	0	NA	intron (N	MLT2B1|LT	7395	NM_152479	148014	Hs.631572	NM_152479	ENSG00000	TTC9B	-	tetratric	protein-coding
chr19-453	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr19	45361772	45364235	+	0	NA	intron (N	MIRb|SINE	7584	NM_001130	2068	Hs.487294	NM_000400	ENSG00000	ERCC2	COFS2|EM9	ERCC exci	protein-coding
chr2-4702	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	47023149	47027460	+	0	NA	intron (N	intron (N	-83449	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-9627	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	96279958	96285372	+	0	NA	intron (N	MSTA|LTR|	16440	NM_004804	9391	Hs.12109	NM_004804	ENSG00000	CIAO1	CIA1|WDR3	cytosolic	protein-coding
chr2-9776	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	97765469	97765884	+	0	NA	intron (N	intron (N	31270	NM_207519	7535	Hs.234569	NM_001079	ENSG00000	ZAP70	ADMIO2|IM	zeta chai	protein-coding
chr2-1018	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	Charlie4z	-121948	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr2-1209	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	X7B_LINE|	184192	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr2-1743	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	AluJb|SIN	20147	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr2-2178	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	exon (NM_	exon (NM_	-15002	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr21-461	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr21	46192544	46194547	+	0	NA	TTS (NR_1	TTS (NR_1	614	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr22-219	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr22	21964720	21965345	+	0	NA	intron (N	intron (N	-12184	NM_014634	9647	Hs.112728	NM_014634	ENSG00000	PPM1F	CAMKP|CaM	protein p	protein-coding
chr22-241	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr22	24164350	24168068	+	0	NA	intron (N	intron (N	-15278	NM_019601	56241	Hs.131819	NM_019601	ENSG00000	SUSD2	BK65A6.2|	sushi dom	protein-coding
chr3-1490	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	-38169	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr4-5423	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr4	54230700	54232031	+	0	NA	intron (N	CpG	-1735	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr4-7125	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr4	71255376	71256377	+	0	NA	intron (N	intron (N	68590	NM_001134	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr5-5447	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	5447168	5448577	+	0	NA	exon (NM_	exon (NM_	25195	NM_015325	23379	Hs.449296	NM_015325	ENSG00000	ICE1	KIAA0947	interacto	protein-coding
chr5-7377	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	73776066	73777567	+	0	NA	intron (N	intron (N	-36730	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-7770	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	77707403	77708076	+	0	NA	intron (N	intron (N	68600	NM_001297	6902	Hs.291212	NM_004607	ENSG00000	TBCA	-	tubulin f	protein-coding
chr5-1191	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	SVA_D|Ret	-33226	NR_049892	1.01E+08		NR_049892	ENSG00000	MIR5706	-	microRNA	ncRNA
chr5-1345	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	37959	NM_015288	23338	Hs.732155	NM_015288	ENSG00000	JADE2	JADE-2|PH	jade fami	protein-coding
chr5-1503	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	L2a|LINE|	4121	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr5-1600	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	MER5A|DNA	46546	NM_003314	7265	Hs.519718	NM_003314	ENSG00000	TTC1	TPR1	tetratric	protein-coding
chr6-3588	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr6	35881598	35884264	+	0	NA	intron (N	AluSg|SIN	38167	NM_003137	6732	Hs.443861	NM_003137	ENSG00000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr7-4407	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr7	44075864	44080645	+	0	NA	intron (N	AluJr|SIN	4276	NR_156112	27434	Hs.596982	NM_013284	ENSG00000	POLM	Pol Mu|Td	DNA polym	protein-coding
chr7-6655	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr7	66556279	66556768	+	0	NA	intron (N	CpG	35884	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr7-6678	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr7	66788765	66792137	+	0	NA	intron (N	U13_|snRN	34569	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr8-1406	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	31399	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr9-3439	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr9	34399845	34403750	+	0	NA	intron (N	intron (N	-3987	NM_032596	84688	Hs.50334	NM_032596	ENSG00000	C9orf24	CBE1|NYD-	chromosom	protein-coding
chr9-1103	7.425979	0.233774	0.848878	0.275391	0.783016	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA4|LIN	-58242	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-5867	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr1	58675673	58676403	+	0	NA	intron (N	intron (N	24024	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr13-331	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr13	33135743	33137720	+	0	NA	intron (N	LTR28C|LT	49360	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr14-102	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx|SIN	14722	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-250	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr15	25093430	25093629	+	0	NA	promoter-	promoter-	-507	NR_003338	1E+08		NR_003338	ENSG00000	SNORD116-	HBII-85-2	small nuc	snoRNA
chr15-429	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr15	42960014	42960573	+	0	NA	intron (N	intron (N	-39515	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-636	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr15	63666005	63666419	+	0	NA	intron (N	intron (N	-65385	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr22-363	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr22	36366388	36367108	+	0	NA	intron (N	intron (N	21319	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr3-9683	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr3	9683762	9684078	+	0	NA	intron (N	MLT1K|LTR	-19913	NM_153635	151835	Hs.121335	NM_153635	ENSG00000	CPNE9	-	copine fa	protein-coding
chr4-4790	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr4	47901759	47903534	+	0	NA	intron (N	intron (N	-11581	NR_125879	1.02E+08	Hs.134190	NR_125879		LOC101927	-	uncharact	ncRNA
chr4-1288	7.204496	-0.23906	0.868168	-0.27536	0.783039	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	49971	NM_001287	79960	Hs.12420	NM_024900	ENSG00000	JADE1	PHF17	jade fami	protein-coding
chr4-1045	8.150983	-0.22821	0.82883	-0.27534	0.783056	0.981636	chr4	10453878	10454741	+	0	NA	intron (N	intron (N	3117	NM_053042	85460	Hs.455089	NM_053042	ENSG00000	ZNF518B	-	zinc fing	protein-coding
chr12-132	7.591532	-0.23781	0.863886	-0.27528	0.783101	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	26627	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|FI	DNA polym	protein-coding
chr14-673	7.591532	-0.23781	0.863886	-0.27528	0.783101	0.981636	chr14	67369140	67369855	+	0	NA	intron (N	L1MEb|LIN	9169	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr5-1314	7.591532	-0.23781	0.863886	-0.27528	0.783101	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	LTR12|LTR	147918	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr1-2098	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr1	2.1E+08	2.1E+08	+	0	NA	exon (NM_	exon (NM_	11025	NM_014388	27042	Hs.194754	NM_014388	ENSG00000	UTP25	C1orf107|	UTP25 sma	protein-coding
chr10-679	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr10	67924461	67926922	+	0	NA	intron (N	MLT1F|LTR	34289	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr16-196	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr16	19635000	19635199	+	0	NA	intron (N	AluJr|SIN	79396	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 end	protein-coding
chr19-344	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr19	34469716	34470150	+	0	NA	3’ UTR (N	3’ UTR (N	-11825	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr2-3654	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr2	36543930	36544450	+	0	NA	intron (N	intron (N	53978	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-2005	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	MER74B|LT	15134	NM_152524	151246	Hs.655182	NM_152524	ENSG00000	SGO2	SGOL2|TRI	shugoshin	protein-coding
chr20-563	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr20	56385521	56386305	+	0	NA	intron (N	intron (N	6302	NM_198436	6790	Hs.250822	NM_003600	ENSG00000	AURKA	AIK|ARK1|	aurora ki	protein-coding
chr5-3149	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr5	31495497	31495815	+	0	NA	intron (N	intron (N	36437	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr7-1209	7.163357	-0.24181	0.878409	-0.27528	0.783103	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx1|SI	3615	NM_198267	54556	Hs.489811	NM_019071	ENSG00000	ING3	Eaf4|ING2	inhibitor	protein-coding
chr12-132	11.90414	-0.18823	0.684059	-0.27517	0.783184	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	2640	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr1-1516	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	1516486	1522576	+	0	NA	intron (N	intron (N	7001	NM_001170	55210	Hs.23413	NM_018188	ENSG00000	ATAD3A	HAYOS	ATPase fa	protein-coding
chr1-6547	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	6547387	6550269	+	0	NA	intron (N	AluSx|SIN	5685	NM_024654	79707	Hs.59425	NM_024654	ENSG00000	NOL9	Grc3|NET6	nucleolar	protein-coding
chr1-1225	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	12255908	12258956	+	0	NA	intron (N	intron (N	27402	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-2171	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	21711711	21717858	+	0	NA	intron (N	intron (N	-45427	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|R	RAP1 GTPa	protein-coding
chr1-2784	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	27840702	27848049	+	0	NA	intron (N	AluSx1|SI	9974	NR_002997	677774	Hs.689694	NR_002997	ENSG00000	SCARNA1	ACA35	small Caj	ncRNA
chr1-2799	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	27996319	27999301	+	0	NA	intron (N	intron (N	38348	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr1-2848	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	28480457	28481187	+	0	NA	intron (N	AluSx1|SI	-25121	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr1-3903	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	39033150	39037051	+	0	NA	TTS (NM_0	TTS (NM_0	8750	NM_004552	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubic	protein-coding
chr1-1469	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	23324	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding

chr1-2402	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1PA7|LIN	132129	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr1-2488	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (N	L1ME4a|LI	10246	NM_001322	80851	Hs.298573	NM_030645	ENSG00000	SH3BP5L	-	SH3 bindi	protein-coding
chr10-122	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	12217303	12219074	+	0	NA	intron (N	(TATA)n|S	22000	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr10-457	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	45769439	45774758	+	0	NA	intron (N	L1MB7|LIN	44832	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr10-501	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	50106354	50112424	+	0	NA	intron (N	intron (N	41435	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-503	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	50342905	50344332	+	0	NA	exon (NM_	exon (NM_	-95008	NM_001143	56624	Hs.512645	NM_019893	ENSG00000	ASAH2	BCDase|HN	N-acylsph	protein-coding
chr10-689	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	68917251	68920786	+	0	NA	intron (N	Tigger3c|	17703	NM_024045	79009	Hs.522984	NM_024045	ENSG00000	DDX50	GU2|GUB|F	DExD-box	protein-coding
chr10-870	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	87060323	87064036	+	0	NA	intron (N	AluSz|SIN	31908	NM_001318	2746	Hs.500409	NM_005271	ENSG00000	GLUD1	GDH|GDH1|	glutamate	protein-coding
chr10-918	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	91854755	91861409	+	0	NA	intron (N	intron (N	51404	NM_152429	143282	Hs.466120	NM_152429	ENSG00000	FGFBP3	C10orf13|	fibroblas	protein-coding
chr10-109	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	50137	NM_001324	7511	Hs.390623	NM_020383	ENSG00000	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr11-871	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	8710153	8716230	+	0	NA	intron (N	intron (N	27752	NR_002977	677826	Hs.745552	NR_002977	ENSG00000	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr11-129	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	12936990	12941146	+	0	NA	3’ UTR (N	3’ UTR (N	50480	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-185	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	18554308	18558546	+	0	NA	intron (N	intron (N	23091	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr11-626	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	62690135	62693505	+	0	NA	intron (N	AluY|SINE	-2290	NM_203422	221091	Hs.427449	NM_203422	ENSG00000	LRRN4CL	-	LRRN4 C-t	protein-coding
chr11-672	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	67231103	67232753	+	0	NA	exon (NM_	exon (NM_	-8086	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-703	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	70332065	70333839	+	0	NA	intron (N	intron (N	48997	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr11-750	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr11	75005550	75006031	+	0	NA	exon (NM_	exon (NM_	16857	NM_001367	10825	Hs.191074	NM_006656	ENSG00000	NEU3	SIAL3	neuramini	protein-coding
chr12-196	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	1961524	1967547	+	0	NA	intron (N	L1M5|LINE	-27959	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr12-908	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	9087318	9095734	+	0	NA	intron (N	intron (N	24703	NM_001347	2	Hs.88556	NM_000014	ENSG00000	A2M	A2MD|CPAM	alpha-2-m	protein-coding
chr12-144	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	14470216	14473040	+	0	NA	intron (N	THE1C|LTR	86347	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr12-193	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	19357608	19359897	+	0	NA	intron (N	intron (N	-80740	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr12-276	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	27678988	27680570	+	0	NA	intron (N	intron (N	-16668	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr12-763	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	76363664	76370591	+	0	NA	intron (N	L1M4|LINE	-18712	NM_024685	79738	Hs.96322	NM_024685	ENSG00000	BBS10	C12orf58	Bardet-Bi	protein-coding
chr12-770	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	77023423	77026158	+	0	NA	intron (N	intron (N	40779	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr12-123	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	19944	NR_107039	1.02E+08		NR_107039	ENSG00000	MIR8072	hsa-mir-8	microRNA	ncRNA
chr12-132	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx1|SI	28266	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr13-244	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr13	24450423	24457534	+	0	NA	intron (N	AluSx1|SI	58800	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-244	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr13	24474803	24481162	+	0	NA	intron (N	intron (N	34796	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-321	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr13	32179215	32179931	+	0	NA	intron (N	intron (N	132381	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-793	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr13	79395600	79397160	+	0	NA	intron (N	L1MEf|LIN	9841	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-509	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr14	50904263	50915542	+	0	NA	exon (NM_	exon (NM_	34581	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr14-928	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr14	92824220	92830286	+	0	NA	intron (N	Tigger1|D	32948	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr14-102	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	19419	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-421	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr15	42171022	42179000	+	0	NA	intron (N	L2b|LINE|	-18375	NM_213600	255189	Hs.231873	NM_213600	ENSG00000	PLA2G4F	PLA2G4FZ	phospholi	protein-coding
chr15-421	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr15	42179828	42185633	+	0	NA	intron (N	L2b|LINE|	16936	NR_030357	693212		NR_030357	ENSG00000	MIR627	MIRN627|h	microRNA	ncRNA
chr15-429	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr15	42958728	42959273	+	0	NA	intron (N	AluSx1|SI	-38222	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-848	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr15	84804845	84805120	+	0	NA	3’ UTR (N	3’ UTR (N	-11698	NM_020778	57538	Hs.459183	NM_020778	ENSG00000	ALPK3	CMH27|MAK	alpha kin	protein-coding
chr15-943	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr15	94313233	94317833	+	0	NA	exon (NM_	exon (NM_	17332	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr16-374	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	3742065	3745264	+	0	NA	intron (N	intron (N	-26140	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-444	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	4448184	4453966	+	0	NA	intron (N	intron (N	23550	NM_001351	57407	Hs.288969	NM_020677	ENSG00000	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr16-156	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	15622651	15625751	+	0	NA	intron (N	AluY|SINE	-13106	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr16-185	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	18554155	18557796	+	0	NA	intron (N	L1ME3G|LI	6137	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr16-252	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	25245852	25247563	+	0	NA	exon (NM_	exon (NM_	11138	NM_001012	342357	Hs.513451	NM_001012	ENSG00000	ZKSCAN2	ZNF694|ZS	zinc fing	protein-coding
chr16-275	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	27507688	27511047	+	0	NA	intron (N	intron (N	40546	NM_001520	2975	Hs.371718	NM_001520	ENSG00000	GTF3C1	TFIIIC|TF	general t	protein-coding
chr16-280	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	28099324	28103334	+	0	NA	intron (N	intron (N	-37615	NM_001109	146395	Hs.91910	NM_144675	ENSG00000	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-299	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	29987336	29991811	+	0	NA	intron (N	(CTC)n|Si	6044	NM_003609	8479	Hs.567370	NM_003609	ENSG00000	HIRIP3	-	HIRA inte	protein-coding
chr16-705	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	70511545	70515110	+	0	NA	intron (N	intron (N	10227	NM_001365	25839	Hs.208680	NM_015386	ENSG00000	COG4	CDG2J|COD	component	protein-coding
chr16-720	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr16	72087922	72090326	+	0	NA	exon (NM_	exon (NM_	4496	NM_017853	54957	Hs.134406	NM_017853	ENSG00000	TXNL4B	DLP|Dim2	thioredox	protein-coding
chr17-159	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	15985406	15987420	+	0	NA	intron (N	L1MA8|LIN	13291	NM_001042	125150	Hs.593985	NM_001042	ENSG00000	ZSWIM7	SWS1	zinc fing	protein-coding
chr17-391	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	39181191	39188979	+	0	NA	intron (N	intron (N	12584	NM_199247	782	Hs.635	NM_000723	ENSG00000	CACNB1	CAB1|CACN	calcium v	protein-coding
chr17-427	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	42711283	42712928	+	0	NA	intron (N	intron (N	-3954	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr17-448	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	44850013	44857121	+	0	NA	exon (NM_	exon (NM_	5684	NR_073504	51751	Hs.151787	NM_016438	ENSG00000	HIGD1B	CLST11240	HIG1 hypo	protein-coding
chr17-635	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	63579628	63594456	+	0	NA	intron (N	intron (N	-13853	NM_016360	51204	Hs.174134	NM_016360	ENSG00000	TACO1	CCDC44	translati	protein-coding
chr17-757	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr17	75797459	75798348	+	0	NA	intron (N	intron (N	13064	NR_038131	85451	Hs.584768	NM_001080	ENSG00000	UNK	UNKEMPT|Z	unk zinc	protein-coding
chr18-793	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr18	79345323	79346780	+	0	NA	intron (N	intron (N	-49879	NM_001278	4772	Hs.534074	NM_006162	ENSG00000	NFATC1	NF-ATC|NF	nuclear f	protein-coding
chr19-503	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	5032945	5035429	+	0	NA	intron (N	intron (N	65074	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr19-108	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	10824088	10828019	+	0	NA	intron (N	AluJo|SIN	-2920	NR_106851	1.02E+08		NR_106851	ENSG00000	MIR6793	hsa-mir-6	microRNA	ncRNA
chr19-110	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	11009497	11016556	+	0	NA	exon (NM_	exon (NM_	28874	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-131	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	13143812	13145329	+	0	NA	exon (NM_	exon (NM_	5805	NM_001271	8677	Hs.43812	NM_003765	ENSG00000	STX10	SYN10|hsy	syntaxin	protein-coding
chr19-171	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	17194925	17196659	+	0	NA	intron (N	intron (N	-19565	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-181	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	18198233	18202646	+	0	NA	exon (NM_	exon (NM_	3603	NM_002866	5864	Hs.27744	NM_002866	ENSG00000	RAB3A	-	RAB3A, me	protein-coding
chr19-326	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	32647120	32648762	+	0	NA	intron (N	intron (N	27239	NM_032139	84079	Hs.59236	NM_032139	ENSG00000	ANKRD27	PP12899|V	ankyrin r	protein-coding
chr19-364	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	36403854	36409352	+	0	NA	intron (N	L1MB8|LIN	12041	NM_001321	284406	Hs.558734	NM_133466	ENSG00000	ZFP82	ZNF545	ZFP82 zin	protein-coding
chr19-407	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	40733034	40738313	+	0	NA	intron (N	L2b|LINE|	14804	NM_001353	284325	Hs.585105	NM_198476	ENSG00000	C19orf54	-	chromosom	protein-coding
chr19-456	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	45623075	45630279	+	0	NA	intron (N	intron (N	12410	NR_029886	442902		NR_029886	ENSG00000	MIR330	MIRN330|h	microRNA	ncRNA
chr19-493	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	49344512	49351687	+	0	NA	intron (N	MLT1J2|LT	12693	NM_001040	951	Hs.166556	NM_001774	ENSG00000	CD37	GP52-40|T	CD37 mole	protein-coding
chr19-496	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	49651669	49660142	+	0	NA	intron (N	AluJb|SIN	-9237	NM_138639	83596	Hs.289052	NM_138639	ENSG00000	BCL2L12	-	BCL2 like	protein-coding
chr19-519	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr19	51935122	51938963	+	0	NA	intron (N	MER21C|LT	9570	NM_024840	79898	Hs.183390	NM_024840	ENSG00000	ZNF613	-	zinc fing	protein-coding
chr2-3701	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	37018618	37019843	+	0	NA	intron (N	intron (N	-52694	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr2-4434	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	44342527	44346033	+	0	NA	intron (N	MIRb|SINE	15469	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr2-5590	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	55903012	55904309	+	0	NA	intron (N	intron (N	20122	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-6076	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	60760402	60764857	+	0	NA	intron (N	AluSx|SIN	6361	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr2-6360	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	63601544	63606790	+	0	NA	intron (N	MIR3|SINE	15016	NM_001199	4190	Hs.526521	NM_005917	ENSG00000	MDH1	HEL-S-32|	malate de	protein-coding
chr2-2164	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	4094	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr2-2312	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSx1|SI	74025	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-200	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr20	20040439	20050355	+	0	NA	exon (NM_	exon (NM_	7095	NM_001278	51340	Hs.171342	NM_016652	ENSG00000	CRNKL1	CLF|CRN|C	crooked n	protein-coding
chr20-384	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr20	38487866	38491769	+	0	NA	intron (N	intron (N	16974	NM_001282	57148	Hs.598850	NM_020336	ENSG00000	RALGAPB	KIAA1219|	Ral GTPas	protein-coding
chr20-463	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr20	46390772	46394997	+	0	NA	intron (N	intron (N	13731	NM_133171	63916	Hs.210469	NM_022086	ENSG00000	ELMO2	CED-12|CE	engulfmen	protein-coding
chr21-393	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr21	39302817	39303814	+	0	NA	intron (N	AluSx1|SI	10317	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr21-462	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr21	46238477	46240833	+	0	NA	intron (N	L2a|LINE|	10424	NR_110565	114044	Hs.655095	NR_002776	ENSG00000	MCM3AP-AS	C21orf85|	MCM3AP an	ncRNA
chr22-185	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	18531638	18534374	+	0	NA	TTS (NR_C	TTS (NR_C	5204	NM_001242	728229	Hs.376511	NM_001242	ENSG00000	TMEM191B	-	transmemb	protein-coding
chr22-208	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	20887605	20889398	+	0	NA	3’ UTR (N	3’ UTR (N	-28906	NR_156180	1399	Hs.5613	NM_005207	ENSG00000	CRKL	-	CRK like	protein-coding
chr22-293	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	29354108	29356314	+	0	NA	intron (N	AluSz6|SI	-21953	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr22-323	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	32391837	32403222	+	0	NA	intron (N	intron (N	14718	NM_014306	51493	Hs.474643	NM_014306	ENSG00000	RTCB	C22orf28|	RNA 2’,3’	protein-coding
chr22-395	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	39508197	39513619	+	0	NA	intron (N	intron (N	8678	NR_130790	54471	Hs.728085	NM_013298	ENSG00000	MIEF1	AltMIEF1|	mitochond	protein-coding
chr22-463	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr22	46342634	46348524	+	0	NA	intron (N	intron (N	9865	NM_001282	55687	Hs.439524	NM_018006	ENSG00000	TRMU	LCAL3|MTO	tRNA 5-me	protein-coding
chr3-3736	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr3	37365301	37366680	+	0	NA	intron (N	intron (N	-20279	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-4703	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr3	47034645	47035374	+	0	NA	intron (N	intron (N	23467	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr3-5665	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr3	56658993	56663103	+	0	NA	intron (N	intron (N	2998	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr3-1216	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-14249	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr3-1217	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	28797	NM_001366	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr4-5091	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr4	509180	511168	+	0	NA	intron (N	MER9a1|LT	10964	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr4-4089	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr4	40892444	40893252	+	0	NA	intron (N	intron (N	-35656	NM_001166	323	Hs.479602	NM_004307	ENSG00000	APBB2	FE65L|FE6	amyloid b	protein-coding
chr4-7580	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr4	75803075	75806001	+	0	NA	intron (N	MER5B|DNA	80016	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-8472	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr4	84720662	84723829	+	0	NA	intron (N	AluSx|SIN	139118	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1025	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	Tigger1|D	-88487	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr5-6750	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr5	6750402	6752494	+	0	NA	intron (N	intron (N	38016	NM_001171	11044	Hs.481542	NM_006999	ENSG00000	TENT4A	LAK-1|LAK	terminal	protein-coding
chr5-1406	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	promoter-	promoter-	-959	NM_194249	373863	Hs.591262	NM_194249	ENSG00000	DND1	RBMS4	DND micro	protein-coding
chr5-1763	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	11895	NM_020444	57179	Hs.743257	NM_020444	ENSG00000	KIAA1191	p33MONOX|	KIAA1191	protein-coding
chr6-3729	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr6	37296398	37298086	+	0	NA	intron (N	L1MC5|LIN	-39087	NM_001286	221468	Hs.520101	NM_145316	ENSG00000	TMEM217	C6orf128|	transmemb	protein-coding
chr6-4107	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr6	41079397	41081561	+	0	NA	intron (N	intron (N	7505	NM_021705	4800	Hs.10441	NM_002505	ENSG00000	NFYA	CBF-A|CBF	nuclear t	protein-coding
chr7-4758	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr7	4758957	4764672	+	0	NA	intron (N	intron (N	-13809	NM_001364	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr7-1781	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr7	17811699	17813720	+	0	NA	intron (N	L1PA7|LIN	127785	NM_001350	23161	Hs.487648	NM_015132	ENSG00000	SNX13	RGS-PX1	sorting n	protein-coding
chr7-4476	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr7	44762600	44767798	+	0	NA	intron (N	intron (N	9011	NM_174929	83637	Hs.77978	NM_031449	ENSG00000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr7-6679	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr7	66793711	66801429	+	0	NA	intron (N	intron (N	41688	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr7-1405	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	AluY|SINE	18808	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr8-2200	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr8	22002054	22006616	+	0	NA	intron (N	Charlie5|	-19799	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr8-4161	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr8	41614519	41620175	+	0	NA	intron (N	AluSx1|SI	30012	NM_152568	157848		NM_152568	ENSG00000	NKX6-3	NKX6.3	NK6 homeo	protein-coding
chr8-4298	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr8	42982488	42987323	+	0	NA	intron (N	AluSz6|SI	-71394	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr8-1405	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	24155	NR_040712	54108	Hs.279704	NM_017444	ENSG00000	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr9-9821	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr9	98219315	98222783	+	0	NA	exon (NM_	exon (NM_	-7498	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|P	TBC1 doma	protein-coding
chr9-1308	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	TTS (NM_C	TTS (NM_C	8210	NM_198180	347148	Hs.660704	NM_198180	ENSG00000	QRFP	26RFa|P51	pyrogluta	protein-coding
chr9-1314	7.930425	0.225796	0.820776	0.2751	0.783239	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	4472	NR_003050	692093		NR_003050	ENSG00000	SNORD62B	U62|U62B	small nuc	snoRNA
chr1-2775	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr1	27754462	27757074	+	0	NA	intron (N	AluJr|SIN	-17451	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr10-177	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr10	17708719	17711408	+	0	NA	intron (N	intron (N	-42138	NM_001098	653567	Hs.564139	NM_001013	ENSG00000	TMEM236	FAM23A|FA	transmemb	protein-coding
chr14-729	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr14	72983456	72986418	+	0	NA	intron (N	intron (N	2019	NM_178441	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr15-725	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr15	72564076	72565433	+	0	NA	intron (N	MLT1A0|LT	-22463	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr16-468	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr16	4683237	4685828	+	0	NA	intron (N	intron (N	-9161	NM_001193	84309	Hs.513315	NM_032349	ENSG00000	NUDT16L1	SDOS|TIRR	nudix hyd	protein-coding
chr16-532	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr16	53289745	53290745	+	0	NA	intron (N	AluSz|SIN	80967	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-180	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr17	18098311	18099625	+	0	NA	intron (N	intron (N	-9788	NM_016239	51168	Hs.462390	NM_016239	ENSG00000	MYO15A	DFNB3|MYO	myosin XV	protein-coding
chr19-106	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr19	10675063	10675739	+	0	NA	intron (N	AluSx1|SI	21055	NM_004516	3609	Hs.465885	NM_004516	ENSG00000	ILF3	CBTF|DRBF	interleuk	protein-coding
chr19-452	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr19	45266515	45270072	+	0	NA	intron (N	AluJo|SIN	17022	NM_001199	57787	Hs.34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr2-9512	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr2	9512397	9513908	+	0	NA	intron (N	AluSx|SIN	38097	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding

chr20-213	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr20	21334976	21337709	+	0	NA	intron (N	AluSx1|SI	32844	NM_001317	22803	Hs.255932	NM_012255	ENSG00000	XRN2	-	5’-3’ exc	protein-coding
chr22-312	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr22	31201294	31202139	+	0	NA	intron (N	intron (N	-10582	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr22-387	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr22	38716264	38717245	+	0	NA	exon (NM_	exon (NM_	10810	NM_004286	9567	Hs.276925	NM_004286	ENSG00000	GTPBP1	GP-1|GP1|	GTP bindi	protein-coding
chr22-463	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr22	46350388	46352836	+	0	NA	intron (N	intron (N	15898	NM_001282	55687	Hs.439524	NM_018006	ENSG00000	TRMU	LCAL3|MTO	tRNA 5-me	protein-coding
chr3-1790	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA6|LIN	27121	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr5-3772	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr5	37726926	37728317	+	0	NA	intron (N	AluJr4|SI	107201	NM_001278	2668	Hs.248114	NM_000514	ENSG00000	GDNF	ATF|ATF1|	glial cel	protein-coding
chr8-1279	6.921533	0.242854	0.882834	0.275085	0.783251	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-13493	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr3-1859	12.35774	-0.18394	0.66981	-0.27462	0.783607	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	exon (NM_	exon (NM_	16883	NM_004593	6434	Hs.533122	NM_004593	ENSG00000	TRA2B	Htra2-bet	transform	protein-coding
chr17-313	8.931459	0.214237	0.780707	0.274415	0.783766	0.981636	chr17	31373745	31374709	+	0	NA	3’ UTR (N	3’ UTR (N	-17448	NM_032932	84440	Hs.406788	NM_032932	ENSG00000	RAB11FIP4	FIP4-Rab1	RAB11 fam	protein-coding
chr2-4433	8.931459	0.214237	0.780707	0.274415	0.783766	0.981636	chr2	44336417	44336752	+	0	NA	intron (N	L1PA15|LI	23165	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr5-1327	8.931459	0.214237	0.780707	0.274415	0.783766	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-19359	NR_134248	1.05E+08	Hs.73917	NR_134248		LOC105379	-	uncharact	ncRNA
chr7-1033	8.931459	0.214237	0.780707	0.274415	0.783766	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSp|SIN	9025	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr9-1222	8.931459	0.214237	0.780707	0.274415	0.783766	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	non-codin	non-codin	-12127	NM_014368	26468	Hs.103137	NM_014368	ENSG00000	LHX6	LHX6.1	LIM homeo	protein-coding
chr1-1714	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr1	1714962	1722336	+	0	NA	intron (N	AluYm1|SI	5708	NM_024011	728642	Hs.651228	NM_024011	ENSG00000	CDK11A	CDC2L2|CD	cyclin de	protein-coding
chr1-1630	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr1	16307533	16309826	+	0	NA	intron (N	AluJb|SIN	43801	NM_018994	54455	Hs.522384	NM_018994	ENSG00000	FBXO42	Fbx42|JFK	F-box pro	protein-coding
chr1-2694	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr1	26941500	26947238	+	0	NA	intron (N	AluJb|SIN	16099	NM_152365	126695	Hs.188881	NM_152365	ENSG00000	KDF1	C1orf172|	keratinoc	protein-coding
chr1-3936	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr1	39360927	39373287	+	0	NA	intron (N	AluSz|SIN	-41966	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-2403	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	247273	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr11-936	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr11	93696812	93698729	+	0	NA	exon (NM_	exon (NM_	-23744	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Caj	ncRNA
chr11-118	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	HAL1|LINE	-13936	NR_033759	10632	Hs.486360	NM_006476	ENSG00000	ATP5MG	ATP5JG|AT	ATP synth	protein-coding
chr12-291	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr12	291221	298084	+	0	NA	intron (N	intron (N	-31779	NM_001190	6540	Hs.504398	NM_016615	ENSG00000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-489	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr12	48937306	48941068	+	0	NA	intron (N	intron (N	-13640	NM_001143	51303	Hs.655103	NM_016594	ENSG00000	FKBP11	FKBP19	FKBP prol	protein-coding
chr12-534	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr12	53406306	53412813	+	0	NA	exon (NM_	exon (NM_	-14296	NM_001164	269	Hs.659889	NM_020547	ENSG00000	AMHR2	AMHR|MISR	anti-Mull	protein-coding
chr12-625	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr12	62554471	62557329	+	0	NA	intron (N	intron (N	47534	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr12-123	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSc5|SI	32830	NR_107039	1.02E+08		NR_107039	ENSG00000	MIR8072	hsa-mir-8	microRNA	ncRNA
chr14-498	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr14	49842832	49851146	+	0	NA	intron (N	AluSg|SIN	5799	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr14-739	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr14	73920707	73930751	+	0	NA	intron (N	intron (N	-24205	NM_182480	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr15-429	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr15	42948352	42954355	+	0	NA	intron (N	AluSg|SIN	-30575	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-656	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr15	65695392	65697335	+	0	NA	TTS (NR_1	TTS (NR_1	573	NR_145750	1.1E+08		NR_145750	ENSG00000	SNORD13E	-	small nuc	snoRNA
chr15-944	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr15	94476793	94479773	+	0	NA	intron (N	intron (N	122353	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr16-887	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr16	88714474	88717687	+	0	NA	TTS (NM_0	TTS (NM_0	257	NR_039873	1.01E+08		NR_039873	ENSG00000	MIR4722	-	microRNA	ncRNA
chr17-764	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr17	764164	778927	+	0	NA	intron (N	L1ME4a|LI	10735	NM_001366	51031	Hs.279061	NM_016080	ENSG00000	GLOD4	C17orf25|	glyoxalas	protein-coding
chr17-182	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr17	18208512	18208711	+	0	NA	3’ UTR (N	3’ UTR (N	-17024	NM_004140	3996	Hs.513983	NM_004140	ENSG00000	LLGL1	DLG4|HUGL	LLGL scri	protein-coding
chr17-424	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr17	42494050	42497014	+	0	NA	TTS (NR_0	TTS (NR_0	759	NR_049845	1.01E+08		NR_049845	ENSG00000	MIR548AT	-	microRNA	ncRNA
chr17-679	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr17	67925592	67930877	+	0	NA	intron (N	intron (N	65372	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr18-235	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr18	23530502	23534404	+	0	NA	TTS (NM_0	TTS (NM_0	28942	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|H	regulator	protein-coding
chr19-845	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	8455458	8456819	+	0	NA	intron (N	intron (N	11163	NM_031203	4670	Hs.465808	NM_005968	ENSG00000	HNRNPM	CEAR|HNRN	heteroger	protein-coding
chr19-122	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	12284346	12285478	+	0	NA	intron (N	intron (N	9700	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KO	zinc fing	protein-coding
chr19-190	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	19005561	19012172	+	0	NA	intron (N	MLT1H|LTR	24651	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SR	SURP and	protein-coding
chr19-195	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	19500487	19503488	+	0	NA	exon (NM_	exon (NM_	13561	NM_032037	83983	Hs.532711	NM_032037	ENSG00000	TSSK6	CT72|FKSG	testis sp	protein-coding
chr19-241	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	24116415	24124006	+	0	NA	intron (N	THE1B|LTR	33023	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr19-435	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr19	43508410	43512204	+	0	NA	intron (N	intron (N	-5474	NM_198850	653583	Hs.631581	NM_198850	ENSG00000	PHLDB3	-	pleckstri	protein-coding
chr2-6531	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr2	65311803	65313812	+	0	NA	3’ UTR (N	3’ UTR (N	53971	NM_001128	200734	Hs.59332	NM_181784	ENSG00000	SPRED2	Spred-2	sprouty r	protein-coding
chr2-8616	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr2	86169978	86171592	+	0	NA	exon (NM_	exon (NM_	22323	NR_039939	1.01E+08		NR_039939	ENSG00000	MIR4779	-	microRNA	ncRNA
chr2-1620	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	35379	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1743	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	THE1B-int	29479	NM_001145	1E+08		NM_001145	ENSG00000	SP9	ZNF990	Sp9 trans	protein-coding
chr20-382	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr20	3822150	3824208	+	0	NA	intron (N	intron (N	2632	NM_001204	55317	Hs.104806	NM_018347	ENSG00000	AP5S1	C20orf29	adaptor r	protein-coding
chr21-388	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr21	38807641	38808523	+	0	NA	intron (N	intron (N	2153	NM_005239	2114	Hs.644231	NM_005239	ENSG00000	ETS2	ETS2IT1	ETS proto	protein-coding
chr21-452	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr21	45268239	45270076	+	0	NA	intron (N	SVA_D|Ret	18738	NM_015227	23275	Hs.592164	NM_015227	ENSG00000	POFUT2	C21orf80|	protein O	protein-coding
chr22-293	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr22	29347918	29349825	+	0	NA	intron (N	L1ME4b|LI	-15613	NR_003686	1E+08		NR_003686	ENSG00000	SNORD125	-	small nuc	snoRNA
chr22-379	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr22	37957001	37963032	+	0	NA	intron (N	AluSz6|SI	6317	NM_021974	5435	Hs.436578	NM_021974	ENSG00000	POLR2F	HRBP14.4|	RNA polym	protein-coding
chr3-4867	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr3	48678788	48682501	+	0	NA	intron (N	intron (N	5271	NM_184231	51517	Hs.655006	NM_016453	ENSG00000	NCKIPSD	AF3P21|DI	NCK inter	protein-coding
chr3-1963	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-42788	NR_046745	1.01E+08	Hs.617990	NR_046745		UBXN7-AS1	-	UBXN7 ant	ncRNA
chr5-1604	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-3792	NM_001303	63920	Hs.529464	NM_022090	ENSG00000	ZBED8	Buster3|C	zinc fing	protein-coding
chr5-1769	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSz6|SI	-43643	NM_002115	3101	Hs.411695	NM_002115	ENSG00000	HK3	HKIII|HXK	hexokinas	protein-coding
chr5-1772	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluJb|SIN	71683	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-7601	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr6	7601873	7607374	+	0	NA	intron (N	intron (N	14425	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr6-3329	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr6	33291731	33292568	+	0	NA	exon (NM_	exon (NM_	1904	NR_106892	1.02E+08		NR_106892	ENSG00000	MIR6834	hsa-mir-6	microRNA	ncRNA
chr6-8754	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr6	87543414	87545361	+	0	NA	intron (N	L2c|LINE|	45600	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr7-6452	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr7	64525816	64529865	+	0	NA	intron (N	L1PB1|LIN	35231	NM_178558	340252	Hs.520886	NM_178558	ENSG00000	ZNF680	-	zinc fing	protein-coding
chr7-1353	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	131359	NM_182489	346673	Hs.592279	NM_182489	ENSG00000	STRA8	-	stimulate	protein-coding
chr8-3828	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr8	38286088	38290711	+	0	NA	intron (N	intron (N	-19167	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTP	phospholi	protein-coding
chr9-6057	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr9	60574324	60575173	+	0	NA	Intergeni	ALR/Alpha	-339659	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr9-9653	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr9	96533132	96534899	+	0	NA	exon (NM_	exon (NM_	32816	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-1311	8.434871	0.218765	0.797278	0.27439	0.783785	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	9294	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-4668	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr1	46682145	46684533	+	0	NA	exon (NM_	exon (NM_	9303	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr1-2315	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (N	L1MEc|LIN	11839	NM_005999	7257	Hs.13318	NM_005999	ENSG00000	TSNAX	C3PO|TRAX	translin	protein-coding
chr10-849	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr10	849892	851477	+	0	NA	intron (N	L1MC1|LIN	81021	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr12-122	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5913	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr14-516	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr14	51689215	51690702	+	0	NA	intron (N	intron (N	-27325	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr14-550	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr14	55043407	55044677	+	0	NA	exon (NM_	exon (NM_	-7605	NM_144578	93487	Hs.594338	NM_144578	ENSG00000	MAPK1IP1L	C14orf32|	mitogen-a	protein-coding
chr14-884	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr14	88443537	88448327	+	0	NA	Intergeni	L1PA3|LIN	60275	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-349	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr15	34981333	34984187	+	0	NA	exon (NM_	exon (NM_	5527	NM_014106	54989	Hs.744990	NM_014106	ENSG00000	ZNF770	PRO1914	zinc fing	protein-coding
chr16-897	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr16	89728312	89729544	+	0	NA	intron (N	intron (N	7391	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr19-507	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr19	50797900	50798490	+	0	NA	TTS (NR_0	TTS (NR_0	930	NR_003068	692203		NR_003068	ENSG00000	SNORD88B	HBII-180B	small nuc	snoRNA
chr2-2032	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-24675	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-385	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr20	38575103	38576156	+	0	NA	3’ UTR (N	3’ UTR (N	-5568	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr20-535	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr20	53564787	53565177	+	0	NA	intron (N	AluY|SINE	12212	NR_110051	1.02E+08		NR_110051		LOC101927	-	uncharact	ncRNA
chr4-7599	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr4	759938	761337	+	0	NA	intron (N	intron (N	21211	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr4-1568	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr4	15686156	15688109	+	0	NA	exon (NM_	exon (NM_	5305	NM_001145	285550	Hs.399980	NM_001145	ENSG00000	FAM200B	C4orf53	family wi	protein-coding
chr4-7307	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr4	73075875	73076762	+	0	NA	intron (N	intron (N	-6559	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr7-5736	8.127409	-0.22299	0.813498	-0.27412	0.783996	0.981636	chr7	5736306	5737769	+	0	NA	intron (N	SVA_C|Ret	-25127	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr19-556	11.4584	-0.19391	0.707509	-0.27407	0.784027	0.981636	chr19	55644998	55645217	+	0	NA	exon (NM_	exon (NM_	1458	NM_016535	51545	Hs.20768	NM_016535	ENSG00000	ZNF581	HSPC189	zinc fing	protein-coding
chr20-467	6.417087	0.253225	0.924478	0.273911	0.784153	0.981636	chr20	46733071	46733834	+	0	NA	intron (N	MSTA|LTR|	23803	NM_030777	81031	Hs.305971	NM_030777	ENSG00000	SLC2A10	ATORS|ATS	solute ca	protein-coding
chr7-1573	6.417087	0.253225	0.924478	0.273911	0.784153	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	THE1A|LTR	23198	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr1-3933	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr1	39330860	39333642	+	0	NA	intron (N	intron (N	-76822	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1657	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	non-codin	non-codin	28164	NR_036683	440700	Hs.568703	NR_036683	ENSG00000	LOC440700	-	carbonic	pseudo
chr1-2030	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	non-codin	non-codin	-2281	NM_001304	8497	Hs.153648	NM_015053	ENSG00000	PPFIA4	-	PTPRF int	protein-coding
chr10-121	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr10	12184178	12186442	+	0	NA	intron (N	L1ME3A|LI	10581	NM_014142	11164	Hs.555956	NM_014142	ENSG00000	NUDT5	YSA1|YSA1	nudix hyd	protein-coding
chr10-878	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr10	87885327	87887398	+	0	NA	intron (N	L2c|LINE|	22737	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr11-672	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr11	67293964	67299989	+	0	NA	intron (N	L1MB7|LIN	-6554	NM_017857	54961	Hs.29173	NM_017857	ENSG00000	SSH3	SSH3L	slingshot	protein-coding
chr11-118	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-16321	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr12-962	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr12	96281316	96290123	+	0	NA	intron (N	intron (N	30221	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr13-322	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr13	32249423	32251088	+	0	NA	intron (N	intron (N	61699	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-410	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr13	41065769	41073725	+	0	NA	intron (N	AluSq2|SI	8238	NM_007187	11193	Hs.411300	NM_007187	ENSG00000	WBP4	FBP21	WW domain	protein-coding
chr2-1200	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA5|LIN	32925	NM_001330	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr20-411	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr20	41162942	41163392	+	0	NA	intron (N	intron (N	-5856	NR_106931	1.02E+08		NR_106931	ENSG00000	MIR6871	hsa-mir-6	microRNA	ncRNA
chr21-269	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr21	26952587	26954879	+	0	NA	promoter-	promoter-	-228	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr3-9743	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr3	9743109	9746096	+	0	NA	intron (N	MIR3|SINE	-5342	NM_016829	4968	Hs.380271	NM_002542	ENSG00000	OGG1	HMMH|HOGG	8-oxoguar	protein-coding
chr3-1676	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-37188	NM_001348	151790	Hs.213762	NM_178824	ENSG00000	WDR49	-	WD repeat	protein-coding
chr7-6434	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr7	64341430	64345628	+	0	NA	intron (N	L1PA16|LI	29568	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr7-7489	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr7	74897126	74899583	+	0	NA	intron (N	AluSx|SIN	7586	NR_027776	5383	Hs.292996	NM_174930		PMS2P5	PMS2L5|PM	PMS1 homo	pseudo
chr9-9344	8.939317	0.21255	0.777494	0.273379	0.784562	0.981636	chr9	93446929	93449514	+	0	NA	intron (N	AluSz|SIN	3387	NR_136237	158293	Hs.350364	NM_198841	ENSG00000	FAM120AOS	C9orf10OS	family wi	protein-coding
chr2-1144	8.5713	-0.22433	0.820778	-0.27332	0.784607	0.981636	chr2	11449911	11450110	+	0	NA	intron (N	intron (N	16151	NR_103490	1876	Hs.603093	NM_198256	ENSG00000	E2F6	E2F-6	E2F trans	protein-coding
chr3-1057	6.36809	0.253529	0.927639	0.273305	0.784619	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	MamRep605	148676	NM_001321	868	Hs.430589	NM_170662	ENSG00000	CBLB	Cbl-b|Nbl	Cbl proto	protein-coding
chr1-1090	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	32003	NM_001142	22911	Hs.570055	NM_014969	ENSG00000	WDR47	-	WD repeat	protein-coding
chr10-934	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr10	93433767	93434385	+	0	NA	intron (N	intron (N	48258	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr11-103	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	Charlie8|	28852	NM_001318	84259	Hs.503716	NM_032299	ENSG00000	DCUN1D5	SCCRO5	defective	protein-coding
chr12-276	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr12	27667335	27668313	+	0	NA	intron (N	MLT1G1|LT	-28623	NM_001029	387849	Hs.269836	NM_001029	ENSG00000	REP15	RAB15EP	RAB15 eff	protein-coding
chr13-460	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr13	46019551	46019917	+	0	NA	intron (N	AluJo|SIN	33012	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr13-951	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr13	95125832	95126686	+	0	NA	intron (N	intron (N	-84085	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-507	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr14	50751250	50754475	+	0	NA	intron (N	intron (N	-68935	NR_135258	1.05E+08	Hs.569387	NR_135258	ENSG00000	LOC105370	-	uncharact	ncRNA
chr14-928	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr14	92830971	92832139	+	0	NA	intron (N	intron (N	37250	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr15-551	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr15	55180738	55183605	+	0	NA	exon (NM_	exon (NM_	14770	NM_016304	51187	Hs.274772	NM_016304	ENSG00000	RSL24D1	C15orf15|	ribosomal	protein-coding
chr16-302	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr16	30231003	30233045	+	0	NA	intron (N	AluSg7|SI	13831	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr17-269	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr17	2691469	2692299	+	0	NA	TTS (NR_1	TTS (NR_1	1035	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr17-677	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr17	67742687	67745146	+	0	NA	3’ UTR (N	3’ UTR (N	3246	NR_003706	1E+08	Hs.693446	NR_003706	ENSG00000	SNORA38B	-	small nuc	snoRNA
chr18-180	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr18	180577	182903	+	0	NA	intron (N	L1ME1|LIN	23183	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr18-920	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr18	9208646	9213313	+	0	NA	intron (N	intron (N	73416	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr18-241	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr18	24158816	24159015	+	0	NA	intron (N	intron (N	19431	NM_138644	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding
chr18-623	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr18	62307961	62308744	+	0	NA	non-codin	non-codin	-16935	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEO	TNF recep	protein-coding
chr19-198	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr19	1986046	1986586	+	0	NA	3’ UTR (N	3’ UTR (N	29398	NM_017797	55643	Hs.465543	NM_017797	ENSG00000	BTBD2	-	BTB domai	protein-coding
chr2-2892	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	28920864	28923562	+	0	NA	intron (N	intron (N	-4854	NR_002741	26796		NR_002741	ENSG00000	SNORD53	RNU53|SNO	small nuc	snoRNA

chr2-4358	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	43584457	43585153	+	0	NA	intron (N	HAL1|LINE	11169	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr2-4395	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	43953628	43958070	+	0	NA	intron (N	L1MC4|LIN	40140	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-8758	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	87584410	87585038	+	0	NA	Intergeni	Intergeni	-45031	NR_039634	1.01E+08		NR_039634	ENSG00000	MIR4435-1	mir-4435-	microRNA	ncRNA
chr2-1018	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	141536	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr2-1710	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	44197	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-2182	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	3602	NM_005731	10109	Hs.529303	NM_005731	ENSG00000	ARPC2	ARC34|PNA	actin rel	protein-coding
chr2-2416	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	22078	NM_178326	23192	Hs.283610	NM_013325	ENSG00000	ATG4B	APG4B|AUT	autophagy	protein-coding
chr3-1806	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	2533	NM_001042	151613	Hs.43213	NM_133462	ENSG00000	TTC14	DRDL5813|	tetratric	protein-coding
chr3-1899	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSx|SIN	141485	NM_018192	55214	Hs.374191	NM_018192	ENSG00000	P3H2	LEPREL1|M	prolyl 3-	protein-coding
chr4-5203	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr4	52031860	52032495	+	0	NA	intron (N	HAL1|LINE	6142	NM_000232	6443	Hs.438953	NM_000232	ENSG00000	SGCB	A3b|LGMD2	sarcoglyc	protein-coding
chr4-1588	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	L1PA7|LIN	91522	NM_001323	57600	Hs.652441	NM_020840	ENSG00000	FNIP2	FNIPL|MAF	folliculi	protein-coding
chr5-1135	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	HAL1|LINE	36257	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr5-1343	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	3595	NM_003337	7320	Hs.612096	NM_003337	ENSG00000	UBE2B	E2-17kDa|	ubiquitin	protein-coding
chr6-7287	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr6	7287584	7288849	+	0	NA	non-codin	non-codin	24983	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr7-7471	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr7	74718328	74719937	+	0	NA	intron (N	intron (N	9786	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr7-1503	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-8103	NR_027237	728743	Hs.650365	NM_001080852		LOC728743	-	zinc fing	pseudo
chr8-4194	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr8	41940424	41942336	+	0	NA	TTS (NM_0	TTS (NM_0	-44639	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr8-1197	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	44495	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MF	TATA-box	protein-coding
chr9-2184	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr9	21840357	21841825	+	0	NA	intron (N	L1PB1|LIN	38455	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr9-7034	7.658095	-0.2288	0.837364	-0.27324	0.784672	0.981636	chr9	70347155	70349861	+	0	NA	intron (N	AluSz6|SI	66149	NM_001206	687	Hs.150557	NM_001206	ENSG00000	KLF9	BTEB|BTEB	Kruppel l	protein-coding
chr1-8879	3.932208	-0.31499	1.1531	-0.27317	0.784723	0.981636	chr1	88791500	88792021	+	0	NA	intron (N	intron (N	99807	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr2-1344	3.932208	-0.31499	1.1531	-0.27317	0.784723	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	163939	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr1-1558	8.403439	0.226172	0.828227	0.27308	0.784792	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSz6|SI	-26919	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr1-1231	8.476011	0.220404	0.807227	0.273039	0.784823	0.981636	chr1	12311773	12312788	+	0	NA	intron (N	intron (N	82250	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr22-428	8.476011	0.220404	0.807227	0.273039	0.784823	0.981636	chr22	42838803	42839443	+	0	NA	intron (N	AluY|SINE	18150	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr4-8802	8.476011	0.220404	0.807227	0.273039	0.784823	0.981636	chr4	88025790	88026708	+	0	NA	intron (N	THE1D-int	18614	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr3-1970	10.90681	-0.19997	0.732707	-0.27291	0.78492	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluY|SINE	-29300	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAF	melanotra	protein-coding
chr14-756	6.872536	0.243036	0.890916	0.272793	0.785012	0.981636	chr14	75650186	75650842	+	0	NA	3’ UTR (N	3’ UTR (N	10362	NM_007176	11161	Hs.15106	NM_007176	ENSG00000	ERG28	C14orf1|N	ergostero	protein-coding
chr11-863	8.08627	-0.22568	0.827613	-0.27269	0.785092	0.981636	chr11	86306529	86306814	+	0	NA	intron (N	intron (N	4431	NM_001322	51501	Hs.283322	NM_016401	ENSG00000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr12-109	8.08627	-0.22568	0.827613	-0.27269	0.785092	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	15722	NM_130466	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr1-2081	9.435905	0.208686	0.765294	0.272687	0.785094	0.981636	chr1	20812749	20813116	+	0	NA	intron (N	intron (N	-26244	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-1199	9.435905	0.208686	0.765294	0.272687	0.785094	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-19656	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr15-429	12.34988	-0.18283	0.671339	-0.27233	0.785368	0.981636	chr15	42955698	42957931	+	0	NA	intron (N	L1M4c|LIN	-36036	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr17-312	9.443763	0.207043	0.760764	0.272151	0.785506	0.981636	chr17	31229100	31231026	+	0	NA	intron (N	intron (N	67176	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr3-1002	9.443763	0.207043	0.760764	0.272151	0.785506	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	-35375	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr1-4074	6.880393	0.240944	0.885866	0.271987	0.785632	0.981636	chr1	40749564	40749853	+	0	NA	intron (N	intron (N	-4647	NR_029846	407034		NR_029846	ENSG00000	MIR30E	MIRN30E|m	microRNA	ncRNA
chr12-652	6.880393	0.240944	0.885866	0.271987	0.785632	0.981636	chr12	6525287	6525857	+	0	NA	intron (N	intron (N	-8945	NM_001289	2597	Hs.544577	NM_002046	ENSG00000	GAPDH	G3PD|GAPD	glycerald	protein-coding
chr13-114	6.880393	0.240944	0.885866	0.271987	0.785632	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	41858	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr2-4395	6.880393	0.240944	0.885866	0.271987	0.785632	0.981636	chr2	43959387	43960137	+	0	NA	intron (N	AluSz|SIN	36227	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr2-9937	6.880393	0.240944	0.885866	0.271987	0.785632	0.981636	chr2	99376662	99377164	+	0	NA	intron (N	intron (N	39524	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr16-224	11.02366	0.199665	0.73476	0.271742	0.78582	0.981636	chr16	22444728	22445205	+	0	NA	intron (N	L2|LINE|L	-7251	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr11-675	7.376982	0.233919	0.860842	0.271733	0.785828	0.981636	chr11	67502176	67502675	+	0	NA	intron (N	intron (N	2938	NM_004910	9600	Hs.372295	NM_004910	ENSG00000	PITPNM1	DRES9|NIR	phosphati	protein-coding
chr16-159	7.376982	0.233919	0.860842	0.271733	0.785828	0.981636	chr16	15972462	15972843	+	0	NA	intron (N	MLT1J|LTR	23036	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr20-321	7.376982	0.233919	0.860842	0.271733	0.785828	0.981636	chr20	3215230	3215429	+	0	NA	intron (N	intron (N	5831	NM_181493	3704	Hs.415299	NM_033453	ENSG00000	ITPA	C20orf37|	inosine t	protein-coding
chr16-840	7.467119	0.235421	0.866657	0.271643	0.785897	0.981636	chr16	84083817	84084467	+	0	NA	intron (N	AluSx1|SI	32800	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr17-626	7.467119	0.235421	0.866657	0.271643	0.785897	0.981636	chr17	62672250	62672494	+	0	NA	intron (N	MIR|SINE|	-33834	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG00000	LOC105371	-	uncharact	ncRNA
chr1-3128	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr1	31280343	31281786	+	0	NA	intron (N	intron (N	15724	NM_004814	9410	Hs.33962	NM_004814	ENSG00000	SNRNP40	40K|HPRP8	small nuc	protein-coding
chr10-186	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr10	18668353	18669941	+	0	NA	intron (N	intron (N	9716	NM_178815	221079	Hs.25362	NM_178815	ENSG00000	ARL5B	ARL8	ADP ribos	protein-coding
chr10-110	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	21213	NM_005445	9126	Hs.24485	NM_005445	ENSG00000	SMC3	BAM|BMH|C	structura	protein-coding
chr12-589	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr12	58911892	58912370	+	0	NA	intron (N	intron (N	7415	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr13-449	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr13	44985741	44986512	+	0	NA	intron (N	Tigger1|D	3345	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr13-979	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr13	97989626	97992115	+	0	NA	intron (N	intron (N	37195	NM_002271	3843	Hs.712598	NM_002271	ENSG00000	IPO5	IMB3|KPNB	importin	protein-coding
chr14-673	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr14	67332735	67339950	+	0	NA	TTS (NM_0	TTS (NM_0	23462	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr16-223	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr16	2234496	2235808	+	0	NA	intron (N	CpG-9091	-1292	NM_001374	1775	Hs.103503	NM_001374	ENSG00000	DNASE1L2	DNAS1L2	deoxyribo	protein-coding
chr16-150	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr16	15070813	15073662	+	0	NA	intron (N	intron (N	-16158	NM_001270	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAD	N-termina	protein-coding
chr17-307	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr17	30796912	30797297	+	0	NA	intron (N	AluSx1|SI	27588	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr17-624	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr17	62481226	62483584	+	0	NA	intron (N	intron (N	1292	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr20-411	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr20	41108395	41110363	+	0	NA	intron (N	L1ME2|LIN	-28164	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PL	phospholi	protein-coding
chr20-442	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr20	44205617	44206545	+	0	NA	intron (N	MIR|SINE|	4690	NM_016470	51526	Hs.75798	NM_016470	ENSG00000	OSER1	C20orf111	oxidative	protein-coding
chr4-7090	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr4	70905364	70907113	+	0	NA	intron (N	AluSx1|SI	3869	NM_001244	92597	Hs.691454	NM_173468	ENSG00000	MOB1B	MATS2|MOB	MOB kinas	protein-coding
chr7-1491	8.119551	-0.22135	0.814938	-0.27162	0.785913	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSz|SIN	16496	NM_170686	57541	Hs.632032	NM_020781	ENSG00000	ZNF398	P51|P71|Z	zinc fing	protein-coding
chr12-120	7.384839	0.231964	0.854006	0.271619	0.785915	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1731	NR_039849	1.01E+08		NR_039849	ENSG00000	MIR4700	mir-4700	microRNA	ncRNA
chr4-1056	7.384839	0.231964	0.854006	0.271619	0.785915	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	25892	NM_020395	57117	Hs.480454	NM_020395	ENSG00000	INTS12	INT12|PHF	integrato	protein-coding
chr5-1548	7.384839	0.231964	0.854006	0.271619	0.785915	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	MER58A|DN	-18445	NR_039667	1.01E+08		NR_039667	ENSG00000	MIR378H	-	microRNA	ncRNA
chr1-1702	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr1	17023036	17023913	+	0	NA	intron (N	intron (N	-11546	NM_001141	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-3583	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr1	35834292	35837395	+	0	NA	exon (NM_	exon (NM_	27827	NM_017629	192670	Hs.744858	NM_017629	ENSG00000	AGO4	EIF2C4	argonaute	protein-coding
chr1-3787	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr1	37876979	37878245	+	0	NA	intron (N	L1ME3G|LI	-18020	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-4040	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr1	40408746	40410404	+	0	NA	intron (N	intron (N	12775	NM_001198	64744	Hs.15200	NM_022733	ENSG00000	SMAP2	SMAP1L	small Arf	protein-coding
chr1-1784	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr1	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	-70334	NM_001170	84066	Hs.534501	NM_032126	ENSG00000	TEX35	C1orf49|T	testis ex	protein-coding
chr10-457	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr10	45785090	45790567	+	0	NA	intron (N	intron (N	29496	NM_001351	643479	Hs.522900	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr10-976	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr10	97663969	97669392	+	0	NA	intron (N	intron (N	20561	NM_021732	60370	Hs.23918	NM_021732	ENSG00000	AVPI1	PP5395|VI	arginine	protein-coding
chr11-658	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr11	65862229	65862610	+	0	NA	intron (N	intron (N	1986	NM_001350	80198	Hs.288798	NM_025128	ENSG00000	MUS81	SLX3	MUS81 str	protein-coding
chr12-950	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr12	95056146	95059394	+	0	NA	exon (NM_	exon (NM_	15848	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr12-120	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	5682	NM_001080	84747	Hs.127610	NM_032661	ENSG00000	UNC119B	POC7B	unc-119 l	protein-coding
chr14-202	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr14	20297683	20299199	+	0	NA	intron (N	intron (N	7510	NM_138376	91875	Hs.98553	NM_138376	ENSG00000	TTC5	Strap	tetratric	protein-coding
chr14-102	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	51885	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-349	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr15	34938199	34939115	+	0	NA	intron (N	intron (N	31085	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr15-509	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr15	50949722	50952380	+	0	NA	intron (N	MLT1E1A|L	6922	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr16-705	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr16	70515931	70519612	+	0	NA	intron (N	intron (N	5783	NM_001365	25839	Hs.208680	NM_015386	ENSG00000	COG4	CDG2J|COD	component	protein-coding
chr17-789	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr17	7893353	7901162	+	0	NA	exon (NM_	exon (NM_	8406	NM_001005	1107	Hs.25601	NM_005852	ENSG00000	CHD3	Mi-2a|Mi2	chromodom	protein-coding
chr17-394	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr17	39412486	39417696	+	0	NA	exon (NM_	exon (NM_	-12535	NM_001370	84961	Hs.462946	NM_032875	ENSG00000	FBXL20	Fbl2|Fbl2	F-box and	protein-coding
chr17-750	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr17	75061508	75064175	+	0	NA	intron (N	intron (N	15616	NM_015353	23510	Hs.514468	NM_015353	ENSG00000	KCTD2	-	potassium	protein-coding
chr17-771	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr17	77142992	77144867	+	0	NA	intron (N	intron (N	2960	NM_001039	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr19-410	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr19	4105967	4111440	+	0	NA	intron (N	intron (N	15426	NM_030662	5605	Hs.465627	NM_030662	ENSG00000	MAP2K2	CFC4|MAPK	mitogen-a	protein-coding
chr19-754	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr19	7540928	7542947	+	0	NA	intron (N	intron (N	6220	NM_001166	10908	Hs.631863	NM_006702	ENSG00000	PNPLA6	BNHS|LNMS	patatin l	protein-coding
chr19-171	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr19	17197525	17202986	+	0	NA	intron (N	intron (N	-15102	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr2-3251	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr2	32512210	32514461	+	0	NA	intron (N	intron (N	-18818	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr20-342	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr20	34289844	34291173	+	0	NA	intron (N	intron (N	12482	NM_001322	191	Hs.388004	NM_000687	ENSG00000	AHCY	SAHH|adoH	adenosylh	protein-coding
chr20-640	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr20	64011235	64012994	+	0	NA	intron (N	intron (N	-21613	NM_001348	284739	Hs.97840	NM_207349	ENSG00000	C20orf204	LINC00176	chromosom	protein-coding
chr21-336	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr21	33629098	33630999	+	0	NA	intron (N	L1M2|LINE	11693	NM_145858	9946	Hs.352671	NM_145311	ENSG00000	CRYZL1	4P11|QOH-	crystalli	protein-coding
chr22-316	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr22	31684387	31688113	+	0	NA	intron (N	AluY|SINE	-23686	NM_001326	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr22-407	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr22	40775645	40777626	+	0	NA	intron (N	AluJr4|SI	37323	NR_039923	1.01E+08		NR_039923	ENSG00000	MIR4766	mir-4766	microRNA	ncRNA
chr22-426	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr22	42626958	42631024	+	0	NA	intron (N	intron (N	11610	NM_001165	267020	Hs.664737	NM_001165	ENSG00000	ATP5MGL	ATP5K2|AT	ATP synth	protein-coding
chr3-4973	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr3	49736620	49739316	+	0	NA	intron (N	intron (N	-13994	NM_013334	29925	Hs.567488	NM_013334	ENSG00000	GMPPB	LGMDR19|M	GDP-manno	protein-coding
chr4-7326	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr4	732636	739503	+	0	NA	intron (N	AluSx|SIN	30237	NM_001317	10336	Hs.144309	NM_006315	ENSG00000	PCGF3	DONG1|RNF	polycomb	protein-coding
chr4-1312	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr4	1312884	1314753	+	0	NA	intron (N	AluJb|SIN	4027	NM_001297	10296	Hs.139896	NM_005882	ENSG00000	MAEA	EMLP|EMP|	macrophag	protein-coding
chr4-2942	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr4	2942182	2952481	+	0	NA	intron (N	intron (N	11785	NR_015453	317648	Hs.398178	NR_015453	ENSG00000	NOP14-AS1	C4orf10|F	NOP14 ant	ncRNA
chr4-1228	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MC3|LIN	36165	NM_007083	11162	Hs.558459	NM_007083	ENSG00000	NUDT6	ASFGF2|FG	nudix hyd	protein-coding
chr5-3129	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr5	31297504	31305459	+	0	NA	intron (N	intron (N	107795	NM_004932	1004	Hs.124776	NM_004932	ENSG00000	CDH6	CAD6|KCAD	cadherin	protein-coding
chr5-7384	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr5	73840213	73841361	+	0	NA	intron (N	intron (N	27241	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-3343	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr6	33435112	33440132	+	0	NA	promoter-	promoter-	-709	NR_049800	1.01E+08		NR_049800	ENSG00000	MIR5004	mir-5004	microRNA	ncRNA
chr6-4225	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr6	42252989	42255304	+	0	NA	intron (N	intron (N	-36285	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochond	protein-coding
chr7-9943	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr7	99433001	99435130	+	0	NA	intron (N	AluSg|SIN	4733	NM_015545	26024	Hs.632313	NM_015545	ENSG00000	PTCD1	-	pentatric	protein-coding
chr7-9951	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr7	99519784	99521511	+	0	NA	intron (N	AluJb|SIN	14642	NM_001318	23660	Hs.110839	NM_014569	ENSG00000	ZKSCAN5	ZFP-95|ZF	zinc fing	protein-coding
chr7-1236	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	L1ME2z|LI	36211	NM_207163	442721	Hs.592260	NM_207163	ENSG00000	LMOD2	C-LMOD|CL	leiomodin	protein-coding
chr7-1492	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	2481	NR_144367	1E+08	Hs.490512	NM_001195	ENSG00000	ZNF783	-	zinc fing	protein-coding
chr7-1503	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	3211	NM_001362	29803	Hs.647086	NM_013400	ENSG00000	REPIN1	AP4|RIP60	replicati	protein-coding
chr8-3896	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr8	38969130	38971079	+	0	NA	3’ UTR (N	3’ UTR (N	-4124	NM_153692	203100	Hs.661014	NM_153692	ENSG00000	HTRA4	-	HtrA seri	protein-coding
chr8-8654	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr8	86546495	86548264	+	0	NA	intron (N	intron (N	32944	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr9-1278	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-2756	NR_136302	1.03E+08		NR_136302	ENSG00000	LOC102723	-	uncharact	ncRNA
chr9-1287	8.442729	0.217021	0.799294	0.271515	0.785995	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	4496	NM_018201	54662	Hs.3376	NM_018201	ENSG00000	TBC1D13	-	TBC1 doma	protein-coding
chr14-348	5.912641	0.265104	0.976681	0.271434	0.786057	0.981636	chr14	34813272	34813615	+	0	NA	intron (N	AluSq2|SI	-60748	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr1-1577	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr1	15770143	15778411	+	0	NA	intron (N	L4_A_Mam|	9778	NM_001024	54751	Hs.530101	NM_017556	ENSG00000	FBLIM1	CAL|FBLP-	filamin b	protein-coding
chr1-2488	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	exon (NM_	exon (NM_	9646	NM_024836	79894	Hs.521151	NM_024836	ENSG00000	ZNF672	-	zinc fing	protein-coding
chr10-113	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	L1M3c|LIN	13298	NM_001227	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr11-957	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr11	95778284	95780357	+	0	NA	intron (N	intron (N	10462	NM_144664	143684	Hs.288304	NM_144664	ENSG00000	FAM76B	-	family wi	protein-coding
chr11-117	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-7570	NM_001001	6876	Hs.410977	NM_003186	ENSG00000	TAGLN	SM22|SM22	transgeli	protein-coding
chr12-638	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr12	6385879	6391433	+	0	NA	intron (N	intron (N	4494	NM_002342	4055	Hs.1116	NM_002342	ENSG00000	LTBR	D12S370|L	lymphotox	protein-coding
chr15-590	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr15	59084157	59086429	+	0	NA	intron (N	intron (N	-19853	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr16-257	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr16	2575530	2577322	+	0	NA	intron (N	intron (N	-26958	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr16-185	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr16	18530106	18531997	+	0	NA	exon (NM_	exon (NM_	31061	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr16-534	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr16	53494042	53496204	+	0	NA	exon (NM_	exon (NM_	8086	NM_022476	64400	Hs.380897	NM_022476	ENSG00000	AKTIP	FT1|FTS	AKT inter	protein-coding
chr16-668	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr16	66825072	66827291	+	0	NA	intron (N	intron (N	4795	NM_003905	8883	Hs.460978	NM_003905	ENSG00000	NAE1	A-116A10.	NEDD8 act	protein-coding

chr17-412	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr17	4120601	4124089	+	0	NA	intron (N	intron (N	20685	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr18-244	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr18	24438842	24439125	+	0	NA	intron (N	MLT2D|LTR	12313	NM_018439	55364	Hs.515317	NM_018439	ENSG00000	IMPACT	RWDD5	impact RW	protein-coding
chr18-763	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr18	76359589	76360171	+	0	NA	3’ UTR (N	3’ UTR (N	-131772	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-210	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr19	2105054	2119375	+	0	NA	intron (N	L1M3|LINE	15299	NM_001039	113177	Hs.424049	NM_052878	ENSG00000	IZUMO4	C19orf36|	IZUMO fam	protein-coding
chr19-101	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr19	10133028	10133298	+	0	NA	TTS (NM_C	TTS (NM_C	-13264	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr19-109	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr19	10987060	10993701	+	0	NA	intron (N	AluSx|SIN	6228	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr19-240	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr19	24049553	24051555	+	0	NA	intron (N	BSR/Beta|	17105	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr2-6078	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr2	60785548	60790641	+	0	NA	intron (N	L1ME4b|LI	31826	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr20-362	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr20	36243961	36248972	+	0	NA	intron (N	intron (N	9988	NM_001271	25980	Hs.11314	NM_015511	ENSG00000	AAR2	C20orf4|C	AAR2 spli	protein-coding
chr20-632	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr20	63275497	63283824	+	0	NA	intron (N	intron (N	-4652	NR_104023	55738	Hs.25584	NM_018209	ENSG00000	ARFGAP1	ARF1GAP|F	ADP ribos	protein-coding
chr22-302	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr22	30292039	30297854	+	0	NA	exon (NM_	exon (NM_	-5319	NM_001037	652968	Hs.444950	NM_001037	ENSG00000	CASTOR1	GATSL3	cytosolic	protein-coding
chr3-5312	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr3	53120424	53120840	+	0	NA	intron (N	intron (N	9803	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr5-1813	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr5	1813378	1816942	+	0	NA	intron (N	intron (N	13753	NM_004553	4726	Hs.408257	NM_004553	ENSG00000	NDUFS6	CI-13kA|C	NADH:ubic	protein-coding
chr5-6153	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr5	61537303	61539539	+	0	NA	intron (N	intron (N	-99339	NR_161251	285668	Hs.683866	NR_126523	ENSG00000	C5orf64	-	chromosom	ncRNA
chr5-7815	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr5	78153901	78156404	+	0	NA	intron (N	L1M1|LINE	139546	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr5-1462	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSx|SIN	34160	NM_018989	54439	Hs.61441	NM_018989	ENSG00000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr6-4263	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr6	42636067	42637906	+	0	NA	intron (N	intron (N	72957	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr6-1279	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx3|SI	-47882	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr7-7764	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr7	77646032	77647113	+	0	NA	Intergeni	AluSg7|SI	49693	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr7-1569	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	15125	NM_138400	64434	Hs.15825	NM_138400	ENSG00000	NOM1	C7orf3|PF	nucleolar	protein-coding
chr8-4217	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr8	42176284	42181581	+	0	NA	exon (NM_	exon (NM_	25869	NM_006803	10947	Hs.654529	NM_006803	ENSG00000	AP3M2	AP47B|CLA	adaptor r	protein-coding
chr8-9485	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr8	94853880	94855194	+	0	NA	intron (N	intron (N	31247	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr9-3461	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr9	34616987	34618269	+	0	NA	intron (N	intron (N	2867	NM_007234	11258	Hs.511768	NM_007234	ENSG00000	DCTN3	DCTN-22|D	dynactin	protein-coding
chr9-9646	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chr9	96465814	96472706	+	0	NA	intron (N	intron (N	19091	NM_014282	22927	Hs.494567	NM_014282	ENSG00000	HABP4	IHABP-4|I	hyalurona	protein-coding
chrX-1402	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chrX	1402236	1408108	+	0	NA	intron (N	(TGGA)n|S	4641	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chrX-1544	7.938283	0.223918	0.825028	0.271407	0.786078	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	8989	NM_006014	8270	Hs.444619	NM_006014	ENSG00000	LAGE3	CVG5|DXS9	L antigen	protein-coding
chr11-137	7.196638	-0.23706	0.873907	-0.27127	0.786184	0.981636	chr11	13726772	13728804	+	0	NA	intron (N	intron (N	-56598	NR_149108	1.05E+08	Hs.577257	NR_149108	ENSG00000	LINC02548	-	long inte	ncRNA
chr3-3814	7.196638	-0.23706	0.873907	-0.27127	0.786184	0.981636	chr3	38141403	38141781	+	0	NA	3’ UTR (N	3’ UTR (N	2931	NM_001172	4615	Hs.82116	NM_002468	ENSG00000	MYD88	MYD88D	MYD88 inn	protein-coding
chr5-1711	7.196638	-0.23706	0.873907	-0.27127	0.786184	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	Tigger1|D	-123581	NM_021025	30012	Hs.249125	NM_021025	ENSG00000	TLX3	HOX11L2|R	T cell le	protein-coding
chr6-7568	7.196638	-0.23706	0.873907	-0.27127	0.786184	0.981636	chr6	75687941	75688373	+	0	NA	intron (N	L1PA6|LIN	-61082	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chrX-1413	7.196638	-0.23706	0.873907	-0.27127	0.786184	0.981636	chrX	1413482	1413759	+	0	NA	TTS (NR_C	TTS (NR_C	13089	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chr1-1627	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	73741	NM_006182	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidin	protein-coding
chr1-2225	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	-13248	NM_024746	79802	Hs.665660	NM_024746	ENSG00000	HHIPL2	KIAA1822L	HHIP like	protein-coding
chr1-2353	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	7239	NR_036605	9453	Hs.730768	NM_004837	ENSG00000	GGPS1	GGPPS|GGF	geranylge	protein-coding
chr10-136	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr10	13693550	13694388	+	0	NA	exon (NM_	exon (NM_	13598	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FF	FERM doma	protein-coding
chr11-354	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr11	35489855	35490668	+	0	NA	intron (N	THE1B|LTR	35355	NM_001001	25891	Hs.55044	NM_015430	ENSG00000	PAMR1	DKFZP586F	peptidase	protein-coding
chr11-118	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-42749	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr12-510	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr12	51063516	51069132	+	0	NA	intron (N	AluSc|SIN	17272	NR_045072	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr12-132	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	19362	NM_175066	317781	Hs.445168	NM_175066	ENSG00000	DDX51	-	DEAD-box	protein-coding
chr13-321	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr13	32184724	32187690	+	0	NA	intron (N	intron (N	125747	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-495	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr13	49558593	49559875	+	0	NA	intron (N	L1MB3|LIN	26324	NM_001352	55213	Hs.508021	NM_018191	ENSG00000	RCBTB1	CLLD7|CLI	RCC1 and	protein-coding
chr15-577	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr15	57712121	57715949	+	0	NA	intron (N	AluY|SINE	7321	NM_015532	81488	Hs.437256	NM_015532	ENSG00000	POLR2M	GCOM1|GRI	RNA polym	protein-coding
chr15-906	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr15	90631805	90637191	+	0	NA	intron (N	intron (N	-25736	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG00000	LINC01585	-	long inte	ncRNA
chr16-353	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	3530164	3531367	+	0	NA	intron (N	intron (N	20871	NM_024793	23059	Hs.155995	NM_015041	ENSG00000	CLUAP1	CFAP22|FA	clusterin	protein-coding
chr16-225	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	22529923	22530455	+	0	NA	intron (N	intron (N	-15509	NR_003676	653786	Hs.564945	NR_003676	ENSG00000	OTOAP1	-	OTOA pseu	pseudo
chr16-581	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	58161622	58168421	+	0	NA	intron (N	intron (N	33085	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr16-678	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	67865116	67868397	+	0	NA	intron (N	AluSx|SIN	-6296	NM_014329	23644	Hs.75682	NM_014329	ENSG00000	EDC4	GE1|Ge-1|	enhancer	protein-coding
chr16-678	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	67882934	67883800	+	0	NA	intron (N	intron (N	-1518	NM_198443	123904	Hs.435464	NM_198443	ENSG00000	NRN1L	MRCC2446|	neuritin	protein-coding
chr16-898	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr16	89896698	89901269	+	0	NA	intron (N	intron (N	-18896	NM_002386	4157	Hs.513829	NM_002386	ENSG00000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr17-384	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr17	38470027	38470810	+	0	NA	intron (N	intron (N	41954	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr17-488	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr17	48854829	48857270	+	0	NA	intron (N	intron (N	25014	NM_001261	10241	Hs.514920	NM_005831	ENSG00000	CALCOCO2	NDP52	calcium b	protein-coding
chr17-826	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr17	82623676	82625850	+	0	NA	intron (N	AluSc8|SI	23681	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr18-633	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr18	63331332	63331687	+	0	NA	3’ UTR (N	3’ UTR (N	-12129	NM_000657	596	Hs.150749	NM_000633	ENSG00000	BCL2	Bcl-2|PPF	BCL2 apop	protein-coding
chr19-166	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr19	16641865	16643576	+	0	NA	Intergeni	AluJo|SIN	-14516	NM_004831	9441	Hs.715040	NM_004831	ENSG00000	MED26	CRSP7|CRS	mediator	protein-coding
chr2-4433	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr2	44337402	44339428	+	0	NA	exon (NM_	exon (NM_	21334	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl en	protein-coding
chr2-5392	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr2	53926139	53929405	+	0	NA	intron (N	AluSz|SIN	43221	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr20-482	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr20	482459	485425	+	0	NA	3’ UTR (N	3’ UTR (N	-21409	NM_144628	128637	Hs.590876	NM_144628	ENSG00000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr4-2512	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr4	2512235	2515644	+	0	NA	3’ UTR (N	3’ UTR (N	-21436	NM_001366	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr5-7535	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr5	75354751	75358584	+	0	NA	intron (N	intron (N	19447	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr5-1419	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	Intergeni	L2a|LINE|	19542	NM_005471	10007	Hs.633853	NM_005471	ENSG00000	GNPDA1	GNP1|GNPD	glucosami	protein-coding
chr7-6433	8.947175	0.210899	0.777675	0.271192	0.786244	0.981636	chr7	64335541	64340634	+	0	NA	TTS (NM_C	TTS (NM_C	24126	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr19-201	3.973348	-0.30969	1.14223	-0.27113	0.786292	0.981636	chr19	20194563	20195280	+	0	NA	intron (N	L1M4c|LIN	27707	NM_052852	90649	Hs.590991	NM_052852	ENSG00000	ZNF486	KRBO2	zinc fing	protein-coding
chr1-4341	7.707092	-0.22785	0.840492	-0.27109	0.78632	0.981636	chr1	43417652	43418154	+	0	NA	intron (N	L2|LINE|L	28004	NM_015284	23334	Hs.643560	NM_015284	ENSG00000	SZT2	C1orf84|K	SZT2 subu	protein-coding
chr12-111	7.707092	-0.22785	0.840492	-0.27109	0.78632	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	16229	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr9-1298	7.707092	-0.22785	0.840492	-0.27109	0.78632	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	7251	NM_000113	1861	Hs.534312	NM_000113	ENSG00000	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chr16-168	6.635337	-0.26128	0.964661	-0.27085	0.786504	0.981636	chr16	1684093	1684393	+	0	NA	intron (N	intron (N	5964	NM_144570	90861	Hs.513261	NM_144570	ENSG00000	JPT2	C16orf34|	Jupiter m	protein-coding
chr1-2861	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr1	28616739	28618474	+	0	NA	intron (N	AluY|SINE	25111	NM_001193	115273	Hs.652321	NM_152304	ENSG00000	RAB42	-	RAB42, me	protein-coding
chr2-1902	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	MSTA|LTR|	61600	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr20-446	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr20	44618713	44619269	+	0	NA	TTS (NM_C	TTS (NM_C	32708	NM_000022	100	Hs.654536	NM_000022	ENSG00000	ADA	-	adenosine	protein-coding
chr3-1198	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	MER11A|LT	106553	NM_022002	8856	Hs.7303	NM_003889	ENSG00000	NR1I2	BXR|ONR1|	nuclear r	protein-coding
chr4-1216	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	MER31B|LT	9101	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr5-7862	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr5	78620404	78620603	+	0	NA	intron (N	MamRep137	28269	NM_005779	10184	Hs.79299	NM_005779	ENSG00000	LHFPL2	-	LHFPL tet	protein-coding
chr6-3661	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr6	36612604	36613165	+	0	NA	Intergeni	AluSz|SIN	9628	NR_037491	1.01E+08		NR_037491	ENSG00000	MIR3925	-	microRNA	ncRNA
chr6-1497	7.889286	0.224098	0.827594	0.270783	0.786558	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSq2|SI	47241	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr17-547	7.71495	-0.22955	0.847829	-0.27076	0.786579	0.981636	chr17	5473761	5474239	+	0	NA	non-codin	non-codin	4908	NR_135644	1.05E+08	Hs.242774	NR_135644	ENSG00000	LOC105371	-	uncharact	ncRNA
chr1-2754	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr1	27547795	27548517	+	0	NA	exon (NM_	exon (NM_	55338	NM_001029	27245	Hs.469280	NM_001029	ENSG00000	AHDC1	MRD25	AT-hook D	protein-coding
chr12-688	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr12	6883337	6884716	+	0	NA	promoter-	promoter-	45	NR_002803	283345	Hs.720698	NR_002803	ENSG00000	RPL13P5	RPL13-2|R	ribosomal	pseudo
chr13-771	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr13	77157687	77158551	+	0	NA	intron (N	intron (N	82605	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr15-229	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr15	22943389	22944827	+	0	NA	intron (N	AluSx1|SI	-26795	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr15-349	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr15	34950291	34952066	+	0	NA	intron (N	intron (N	18564	NM_014691	9716	Hs.510958	NM_014691	ENSG00000	AQR	IBP160|fS	aquarius	protein-coding
chr2-2164	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	25129	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr21-392	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr21	39226965	39229213	+	0	NA	intron (N	AluSg|SIN	-44575	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-4594	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr3	45946661	45947704	+	0	NA	exon (NM_	exon (NM_	3718	NM_006564	10663	Hs.34526	NM_006564	ENSG00000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding
chr5-1195	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr5	1.2E+08	1.2E+08	+	0	NA	intron (N	LTR12C|LT	65404	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr7-1511	7.433837	0.231707	0.855943	0.270703	0.786619	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	TTS (NM_C	TTS (NM_C	9257	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr15-399	9.451621	0.205456	0.759403	0.270549	0.786738	0.981636	chr15	39973282	39975294	+	0	NA	intron (N	intron (N	40173	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr2-2397	9.451621	0.205456	0.759403	0.270549	0.786738	0.981636	chr2	23977008	23978327	+	0	NA	intron (N	intron (N	-32418	NM_001346	388931	Hs.407482	NM_001080	ENSG00000	MFSD2B	-	major fac	protein-coding
chr2-5380	9.451621	0.205456	0.759403	0.270549	0.786738	0.981636	chr2	53807840	53810318	+	0	NA	intron (N	intron (N	22035	NM_015701	27248	Hs.438336	NM_015701	ENSG00000	ERLEC1	C2orf30|C	endoplasm	protein-coding
chr5-1797	9.451621	0.205456	0.759403	0.270549	0.786738	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	promoter-	promoter-	-369	NR_031598	1E+08		NR_031598	ENSG00000	MIR1229	MIRN1229|	microRNA	ncRNA
chr9-3298	9.451621	0.205456	0.759403	0.270549	0.786738	0.981636	chr9	32989067	32990143	+	0	NA	intron (N	intron (N	11971	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr3-1968	8.555584	-0.22098	0.817425	-0.27034	0.786899	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1PA5|LIN	-40288	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr5-9546	7.881428	0.225961	0.835911	0.270318	0.786916	0.981636	chr5	95467842	95470175	+	0	NA	intron (N	intron (N	77642	NM_152548	153643	Hs.276287	NM_152548	ENSG00000	FAM81B	-	family wi	protein-coding
chr8-8991	7.881428	0.225961	0.835911	0.270318	0.786916	0.981636	chr8	89910735	89911105	+	0	NA	intron (N	intron (N	8350	NM_001126	734	Hs.436445	NM_004337	ENSG00000	OSGIN2	C8orf1|hT	oxidative	protein-coding
chr1-2735	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr1	27355264	27356299	+	0	NA	intron (N	intron (N	11180	NM_004672	9064	Hs.194694	NM_004672	ENSG00000	MAP3K6	ASK2|MAPK	mitogen-a	protein-coding
chr1-2037	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	2334	NR_046213	84719	Hs.661178	NM_032633		LINC00260	C1orf217|	long inte	ncRNA
chr11-105	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	-4005	NR_036562	838	Hs.213327	NM_004347	ENSG00000	CASP5	ICE(rel)I	caspase 5	protein-coding
chr15-784	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr15	78474865	78475895	+	0	NA	3’ UTR (N	3’ UTR (N	-32184	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr15-845	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr15	84548810	84549765	+	0	NA	intron (N	L1ME3B|LI	-21362	NR_038274	1.01E+08	Hs.150824	NR_038273		LINC00933	-	long inte	ncRNA
chr20-356	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr20	35690333	35690861	+	0	NA	intron (N	intron (N	8755	NM_001198	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr7-1004	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	-4001	NM_001004	402573	Hs.632306	NM_001004	ENSG00000	C7orf61	-	chromosom	protein-coding
chr8-3039	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr8	30390321	30390983	+	0	NA	intron (N	intron (N	-5251	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr9-1221	7.699234	-0.22614	0.836825	-0.27024	0.786978	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	12017	NM_014222	4702	Hs.495039	NM_014222	ENSG00000	NDUFA8	CI-19KD|C	NADH:ubic	protein-coding
chr20-321	8.907885	0.219806	0.81342	0.270225	0.786987	0.981636	chr20	32159480	32159757	+	0	NA	intron (N	MIRb|SINE	30742	NR_002781	128854	Hs.647447	NR_002781	ENSG00000	TSPY26P	TSPYL3|bA	testis sp	pseudo
chr22-387	6.7019	-0.25104	0.929027	-0.27022	0.786994	0.981636	chr22	38748444	38748724	+	0	NA	intron (N	intron (N	6882	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr3-5725	6.7019	-0.25104	0.929027	-0.27022	0.786994	0.981636	chr3	57259026	57259302	+	0	NA	intron (N	intron (N	-10402	NR_135535	1.05E+08	Hs.745243	NR_135535		LOC105377	-	uncharact	ncRNA
chr1-1201	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	6319	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr1-2225	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	MER67A|LT	-12809	NR_110613	1.01E+08	Hs.553851	NR_110613	ENSG00000	TAF1A-AS1	-	TAF1A ant	ncRNA
chr11-300	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr11	3001658	3002639	+	0	NA	intron (N	intron (N	-9819	NM_001369	4676	Hs.731784	NM_005969	ENSG00000	NAP1L4	NAP1L4b|N	nucleosom	protein-coding
chr12-963	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr12	96344401	96345074	+	0	NA	intron (N	L1MB4|LIN	55702	NM_002595	5128	Hs.506415	NM_002595	ENSG00000	CDK17	PCTAIRE2|	cyclin de	protein-coding
chr12-122	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	15302	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr19-469	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr19	46922080	46922738	+	0	NA	intron (N	intron (N	61412	NM_004491	2909	Hs.509447	NM_004491	ENSG00000	ARHGAP35	GRF-1|GRL	Rho GTPas	protein-coding
chr2-9861	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr2	9861015	9861442	+	0	NA	intron (N	L1PA4|LIN	17754	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-2034	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	80713	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr5-5525	8.168549	-0.22054	0.816699	-0.27003	0.787134	0.981636	chr5	55255312	55255934	+	0	NA	TTS (NM_C	TTS (NM_C	-21906	NR_125347	10309	Hs.3041	NM_021147	ENSG00000	CCNO	CCNU|CILD	cyclin O	protein-coding
chr1-3541	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr1	35419959	35420939	+	0	NA	3’ UTR (N	3’ UTR (N	-54372	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr12-112	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MC4a|LI	-8248	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr14-306	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr14	30683288	30683631	+	0	NA	intron (N	intron (N	61140	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr16-162	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr16	16269778	16270287	+	0	NA	intron (N	intron (N	-30127	NR_128709	1.04E+08		NR_128709	ENSG00000	MIR3179-4	hsa-mir-3	microRNA	ncRNA
chr16-184	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr16	18425958	18427326	+	0	NA	Intergeni	Intergeni	-14665	NR_036143	1E+08		NR_036143	ENSG00000	MIR3179-2	-	microRNA	ncRNA
chr19-523	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr19	52371616	52371885	+	0	NA	intron (N	MIR|SINE|	1827	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr2-9623	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr2	9623105	9624222	+	0	NA	intron (N	AluSp|SIN	7334	NM_006826	10971	Hs.74405	NM_006826	ENSG00000	YWHAQ	14-3-3|1C	tyrosine	protein-coding
chr2-1209	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	176692	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr2-1710	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1MA3|LIN	-5064	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding

chr2-2191	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	3337	NM_01568	27013	Hs.4973	NM_01568	ENSG0000	CNPPD1	C2orf24|	cyclin Pa	protein-coding
chr6-3534	7.392697	0.229989	0.851868	0.269982	0.787174	0.981636	chr6	35346349	35347529	+	0	NA	intron (N	intron (N	4381	NM_177435	5467	Hs.696032	NM_006238	ENSG0000	PPARD	FAAR|NR1C	peroxisom	protein-coding
chr7-4291	7.616955	-0.23142	0.857293	-0.26994	0.787203	0.981636	chr7	42916438	42918281	+	0	NA	3’ UTR (N	3’ UTR (N	-5269	NM_001099	79020	Hs.69812	NM_024054	ENSG0000	C7orf25	-	chromosom	protein-coding
chr1-9523	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr1	95239735	95240358	+	0	NA	intron (N	MLT1D|LT	5836	NM_015485	25950	Hs.483512	NM_015485	ENSG0000	RWDD3	RSUME	RWD domai	protein-coding
chr1-1481	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	AluJb|SIN	13996	NM_001101	200030	Hs.721588	NM_183372	ENSG0000	NBPF11	NBPF24	NBPF memb	protein-coding
chr10-734	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr10	73444523	73446818	+	0	NA	intron (N	AluJb|SIN	-12109	NM_001024	118490	Hs.631823	NM_001024	ENSG0000	MSS51	ZMYND17	MSS51 mit	protein-coding
chr10-103	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSz|SIN	36302	NM_032727	9118	Hs.500916	NM_032727	ENSG0000	INA	NEF5|NF-6	internexi	protein-coding
chr14-690	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr14	69064785	69065381	+	0	NA	intron (N	intron (N	85401	NR_073422	161159	Hs.603341	NR_073422	ENSG0000	ACTN1-AS1	C14orf84	ACTN1 ant	ncRNA
chr16-116	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr16	11691145	11691739	+	0	NA	exon (NM_	exon (NM_	22987	NM_003498	8303	Hs.618526	NM_003498	ENSG0000	SNN	-	stannin	protein-coding
chr22-209	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr22	20933802	20936889	+	0	NA	intron (N	AluSx1|SI	17938	NM_005207	1399	Hs.5613	NM_005207	ENSG0000	CRKL	-	CRK like	protein-coding
chr3-9734	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr3	9734550	9737299	+	0	NA	intron (N	intron (N	4174	NM_004634	7862	Hs.1004	NM_004634	ENSG0000	BRPF1	BR140|IDI	bromodoma	protein-coding
chr3-1588	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr3	1.59E+08	1.59E+08	+	0	NA	intron (N	L1PA3|LIN	13610	NM_022736	64747	Hs.58663	NM_022736	ENSG0000	MFSD1	SMAP4	major fac	protein-coding
chr4-7095	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr4	70959643	70961689	+	0	NA	intron (N	intron (N	-32983	NM_000788	1633	Hs.709	NM_000788	ENSG0000	DCK	-	deoxycyti	protein-coding
chr4-1052	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	79922	NR_126420	1.04E+08	Hs.624109	NR_126420		TET2-AS1	-	TET2 anti	ncRNA
chr6-5713	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr6	57133067	57135147	+	0	NA	intron (N	intron (N	38106	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr6-1442	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	MER1B|DNA	4550	NM_007124	7402	Hs.133135	NM_007124	ENSG0000	UTRN	DMDL|DRP|	utrophin	protein-coding
chr7-9208	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr7	92089206	92091284	+	0	NA	intron (N	L1ME3B|LI	44232	NM_000786	1595	Hs.417077	NM_000786	ENSG0000	CYP51A1	CP51|CYP5	cytochrom	protein-coding
chr7-1283	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	7034	NM_001142	3614	Hs.654401	NM_000883	ENSG0000	IMPDH1	IMPD|IMPD	inosine m	protein-coding
chr9-3554	7.897143	0.222252	0.823636	0.269843	0.787281	0.981636	chr9	35546160	35548049	+	0	NA	exon (NM_	exon (NM_	8472	NM_001135	9853	Hs.493796	NM_014806	ENSG0000	RUSC2	Iporin|MR	RUN and S	protein-coding
chr4-5710	9.956067	0.200606	0.743902	0.269667	0.787416	0.981636	chr4	57106961	57108538	+	0	NA	intron (N	intron (N	-2013	NR_034081	255130	Hs.691061	NR_034081	ENSG0000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr1-5208	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr1	52087075	52088622	+	0	NA	3’ UTR (N	3’ UTR (N	31553	NM_152265	91408	Hs.429839	NM_152265	ENSG0000	BTF3L4	-	basic tra	protein-coding
chr1-2008	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-64602	NM_005298	2848	Hs.534316	NM_005298	ENSG0000	GPR25	-	G protein	protein-coding
chr11-672	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr11	67200473	67201055	+	0	NA	intron (N	AluJb|SIN	-39250	NM_001256	22992	Hs.124147	NM_012308	ENSG0000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr12-122	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	4983	NM_001278	56616	Hs.169611	NM_019887	ENSG0000	DIABLO	DFNA64|SM	diablo IA	protein-coding
chr13-950	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr13	95062205	95063901	+	0	NA	intron (N	MER20|DNA	103012	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG0000	LINC00557	-	long inte	ncRNA
chr13-951	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr13	95112077	95114139	+	0	NA	intron (N	intron (N	-97236	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-596	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr15	59643977	59646726	+	0	NA	intron (N	L2c|LINE|	11954	NM_001320	2958	Hs.512934	NM_004492	ENSG0000	GTF2A2	HsT18745|	general t	protein-coding
chr19-138	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr19	13824358	13826960	+	0	NA	exon (NM_	exon (NM_	10700	NR_029497	407013		NR_029497	ENSG0000	MIR24-2	MIRN24-2|	microRNA	ncRNA
chr19-541	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr19	54151708	54156479	+	0	NA	intron (N	L2b|LINE|	5628	NM_024316	79165	Hs.590974	NM_024316	ENSG0000	LENG1	-	leukocyte	protein-coding
chr2-1120	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	9304	NM_032824	84910	Hs.656298	NM_032824	ENSG0000	TMEM87B	-	transmemb	protein-coding
chr2-2310	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	HERVIP10F	26281	NM_001320	3357	Hs.421649	NM_000867	ENSG0000	HTR2B	5-HT(2B)|	5-hydroxy	protein-coding
chr3-1543	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr3	15430967	15433702	+	0	NA	intron (N	intron (N	4736	NM_033083	85403	Hs.716733	NM_033083	ENSG0000	EAF1	-	ELL assoc	protein-coding
chr3-9880	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr3	98804355	98805947	+	0	NA	intron (N	intron (N	41844	NM_001323	10402	Hs.148716	NM_006100	ENSG0000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr3-1017	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA3|LIN	21757	NM_024548	79598	Hs.444135	NM_024548	ENSG0000	CEP97	2810403B0	centrosom	protein-coding
chr3-1225	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	MIR|SINE|	9750	NM_001146	83666	Hs.518200	NM_031458	ENSG0000	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr4-5013	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr4	501358	502017	+	0	NA	intron (N	intron (N	2477	NM_001127	54872	Hs.7099	NM_017733	ENSG0000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr4-3887	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr4	38878971	38884185	+	0	NA	intron (N	intron (N	13546	NR_030300	693159		NR_030300	ENSG0000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-1899	8.160691	-0.21886	0.811674	-0.26964	0.787437	0.981636	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	21905	NM_004477	2483	Hs.203772	NM_004477	ENSG0000	FRG1	FRG1A|FSG	FSHD regi	protein-coding
chr14-710	8.393732	0.217184	0.805502	0.269625	0.787449	0.981636	chr14	71063717	71065723	+	0	NA	intron (N	L1PA7|LIN	157261	NM_001308	22990	Hs.446559	NM_014982	ENSG0000	PCNX1	PCNX|PCNX	pecanex l	protein-coding
chr15-571	8.393732	0.217184	0.805502	0.269625	0.787449	0.981636	chr15	57151895	57152241	+	0	NA	intron (N	L1MEf|LIN	-67362	NM_207040	6938	Hs.511504	NM_003205	ENSG0000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr17-474	8.393732	0.217184	0.805502	0.269625	0.787449	0.981636	chr17	47487816	47490142	+	0	NA	intron (N	intron (N	3641	NR_033934	653479	Hs.537279	NR_033934		MRPL45P2	-	mitochond	pseudo
chr2-1710	8.393732	0.217184	0.805502	0.269625	0.787449	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	17513	NM_001136	9874	Hs.744917	NM_012290	ENSG0000	TLK1	PKU-beta	tousled l	protein-coding
chr3-3732	8.393732	0.217184	0.805502	0.269625	0.787449	0.981636	chr3	37321659	37324495	+	0	NA	intron (N	intron (N	-63192	NM_178344	339883	Hs.475945	NM_178339	ENSG0000	C3orf35	APRG1	chromosom	protein-coding
chr7-2595	6.962673	0.244429	0.906758	0.269564	0.787496	0.981636	chr7	2595383	2595915	+	0	NA	intron (N	intron (N	-36337	NM_025250	80727	Hs.440899	NM_025250	ENSG0000	TTYH3	-	tweety fa	protein-coding
chr2-3703	6.888251	0.238783	0.885977	0.269514	0.787534	0.981636	chr2	37039972	37041109	+	0	NA	intron (N	intron (N	43832	NM_019024	54497	Hs.744084	NM_019024	ENSG0000	HEATR5B	-	HEAT repe	protein-coding
chr7-2330	6.888251	0.238783	0.885977	0.269514	0.787534	0.981636	chr7	23308099	23308472	+	0	NA	intron (N	intron (N	8946	NM_138446	115416	Hs.87385	NM_138446	ENSG0000	MALSU1	C7orf30|m	mitochond	protein-coding
chr1-1500	10.99824	0.195244	0.724759	0.269392	0.787628	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	13777	NM_001279	11311	Hs.443750	NM_007259	ENSG0000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-2308	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr1	23081317	23085341	+	0	NA	TTS (NM_	TTS (NM_	39024	NR_036057	1E+08		NR_036057	ENSG0000	MIR3115	mir-3115	microRNA	ncRNA
chr1-1087	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	32546	NM_007269	6814	Hs.530436	NM_007269	ENSG0000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr11-763	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr11	76353440	76355675	+	0	NA	intron (N	intron (N	26408	NR_130898	5612	Hs.503315	NM_004705	ENSG0000	THAP12	DAP4|P52r	THAP doma	protein-coding
chr11-776	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr11	77690572	77691863	+	0	NA	exon (NM_	exon (NM_	-53411	NM_001311	1207	Hs.430733	NM_001293	ENSG0000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr15-680	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr15	68095681	68098136	+	0	NA	intron (N	L1M3|LINE	42332	NM_001320	8554	Hs.162458	NM_016166	ENSG0000	PIAS1	DDXBP1|GE	protein i	protein-coding
chr15-755	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr15	75519212	75520564	+	0	NA	intron (N	AluJr|SIN	59427	NM_002833	5780	Hs.445775	NM_002833	ENSG0000	PTPN9	MEG2|PTPM	protein t	protein-coding
chr17-268	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr17	2680288	2683286	+	0	NA	exon (NM_	exon (NM_	11132	NR_106834	1.02E+08		NR_106834	ENSG0000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr18-235	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr18	23516816	23523154	+	0	NA	intron (N	intron (N	16474	NM_013326	29919	Hs.464779	NM_013326	ENSG0000	RMC1	C18orf8|R	regulator	protein-coding
chr2-2008	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-10472	NR_027855	1195	Hs.433732	NM_004071	ENSG0000	CLK1	CLK|CLK/S	CDC like	protein-coding
chr3-5257	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr3	52578407	52579433	+	0	NA	intron (N	intron (N	42315	NM_001124	440957	Hs.660577	NM_001124	ENSG0000	SMIM4	C3orf78	small int	protein-coding
chr3-1341	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	75190	NM_002958	6259	Hs.654562	NM_002958	ENSG0000	RYK	D3S3195|J	receptor	protein-coding
chr3-1489	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	4432	NM_004130	2992	Hs.477892	NM_004130	ENSG0000	GYG1	GSD15|GYG	glycogeni	protein-coding
chr9-1311	8.401589	0.215425	0.800027	0.269272	0.78772	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	L1ME4a|LI	-30151	NM_001318	8021	Hs.654530	NM_005085	ENSG0000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr7-1211	7.722808	-0.23128	0.859174	-0.26919	0.787787	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MA6|LIN	144854	NM_001105	79974	Hs.189652	NM_024913	ENSG0000	CPED1	C7orf58	cadherin	protein-coding
chr1-3163	6.929391	0.24052	0.893584	0.269163	0.787804	0.981636	chr1	31631821	31632922	+	0	NA	intron (N	intron (N	12246	NM_001359	553115	Hs.470417	NM_012392	ENSG0000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr14-608	6.929391	0.24052	0.893584	0.269163	0.787804	0.981636	chr14	60838166	60839835	+	0	NA	intron (N	MER52A|LT	104239	NM_002431	4331	Hs.509523	NM_002431	ENSG0000	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr14-101	6.929391	0.24052	0.893584	0.269163	0.787804	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-62250	NM_001376	1778	Hs.614080	NM_001376	ENSG0000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr19-402	6.929391	0.24052	0.893584	0.269163	0.787804	0.981636	chr19	40205400	40205913	+	0	NA	intron (N	L1MC5a|LI	12743	NM_152479	148014	Hs.631572	NM_152479	ENSG0000	TTC9B	-	tetratric	protein-coding
chr3-1415	6.929391	0.24052	0.893584	0.269163	0.787804	0.981636	chr3	14151774	14152491	+	0	NA	intron (N	intron (N	26469	NR_148951	7508	Hs.475538	NM_004628	ENSG0000	XPC	RAD4|XP3|	XPC compl	protein-coding
chr10-271	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr10	27128825	27129193	+	0	NA	intron (N	AluJb|SIN	25375	NM_014263	10730	Hs.74647	NM_014263	ENSG0000	YME1L1	FTSH|MEG4	YME1 like	protein-coding
chr11-642	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr11	64266547	64266746	+	0	NA	intron (N	intron (N	15116	NM_000932	5331	Hs.523761	NM_000932	ENSG0000	PLCB3	-	phospholi	protein-coding
chr11-749	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr11	74933440	74933837	+	0	NA	intron (N	intron (N	15453	NM_001270	143570	Hs.370145	NM_182969	ENSG0000	XRRA1	-	X-ray rac	protein-coding
chr11-126	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	exon (NM_	exon (NM_	2295	NM_001254	6484	Hs.591947	NM_006278	ENSG0000	ST3GAL4	CGS23|NAN	ST3 beta-	protein-coding
chr2-1281	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	82820	NR_027671	56886	Hs.743306	NM_020120	ENSG0000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr22-409	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr22	40968375	40970280	+	0	NA	intron (N	L1ME4b|LI	17949	NM_014248	9978	Hs.474949	NM_014248	ENSG0000	RBX1	BA554C12.	ring-box	protein-coding
chr3-3385	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr3	33855721	33857104	+	0	NA	intron (N	L1M7|LINE	57782	NM_013374	10015	Hs.475896	NM_013374	ENSG0000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-1255	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSg|SIN	17467	NM_003794	8723	Hs.507243	NM_003794	ENSG0000	SNX4	ATG24B	sorting r	protein-coding
chr5-1404	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MA7|LIN	57807	NM_017978	54882	Hs.594084	NM_017747	ENSG0000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr8-1302	7.650237	-0.22699	0.844387	-0.26882	0.788068	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	83411	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr15-620	8.385874	0.218988	0.81508	0.268671	0.788183	0.981636	chr15	62019316	62019827	+	0	NA	intron (N	L1PA5|LIN	40876	NM_017684	54832	Hs.511668	NM_017684	ENSG0000	VPS13C	PARK23	vacuolar	protein-coding
chr16-302	12.38317	-0.18009	0.6705	-0.26858	0.78825	0.981636	chr16	30272288	30275068	+	0	NA	Intergeni	AluSq2|SI	-25265	NM_001321	613037	Hs.585733	NM_001321	ENSG0000	NPIPB13	-	nuclear p	protein-coding
chr6-3734	12.38317	-0.18009	0.6705	-0.26858	0.78825	0.981636	chr6	3734538	3737900	+	0	NA	intron (N	intron (N	15793	NM_183373	221749	Hs.484500	NM_183373	ENSG0000	PXDC1	C6orf145	PX domain	protein-coding
chr1-1144	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	LTR8A|LTR	91804	NM_033020	51592	Hs.26837	NM_015906	ENSG0000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr11-742	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr11	74230250	74232054	+	0	NA	intron (N	AluJr4|SI	59863	NM_001271	51400	Hs.503251	NM_016147	ENSG0000	PPME1	ABDH19|PM	protein p	protein-coding
chr12-490	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr12	49050402	49052169	+	0	NA	exon (NM_	exon (NM_	4039	NM_003482	8085	Hs.731384	NM_003482	ENSG0000	KMT2D	AAD10|ALR	lysine me	protein-coding
chr13-483	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr13	48349335	48351602	+	0	NA	intron (N	L1MA1|LIN	46721	NM_000321	5925	Hs.408528	NM_000321	ENSG0000	RB1	OSRC|PPP1	RB transc	protein-coding
chr14-583	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr14	58335046	58335895	+	0	NA	intron (N	AluSp|SIN	36915	NM_002892	5926	Hs.161000	NM_002892	ENSG0000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr14-750	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr14	75004422	75007678	+	0	NA	intron (N	intron (N	3129	NM_014239	8892	Hs.409137	NM_014239	ENSG0000	EIF2B2	EIF-2Bbet	eukaryoti	protein-coding
chr14-921	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr14	92135036	92136725	+	0	NA	intron (N	THE1B|LTR	13911	NM_001322	53981	Hs.657632	NM_017437	ENSG0000	CPSF2	CPSF100	cleavage	protein-coding
chr14-102	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	20970	NM_032630	51550	Hs.129634	NM_032630	ENSG0000	CINP	-	cyclin de	protein-coding
chr15-585	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr15	58596727	58597582	+	0	NA	3’ UTR (N	3’ UTR (N	96453	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-641	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr15	64113343	64114920	+	0	NA	intron (N	L2|LINE|L	18149	NM_001242	6642	Hs.188634	NM_003099	ENSG0000	SNX1	HsT17379|	sorting r	protein-coding
chr6-1728	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr6	17283737	17283953	+	0	NA	intron (N	MIR3|SINE	1144	NM_153020	221662	Hs.519904	NM_153020	ENSG0000	RBM24	RNPC6|dJ2	RNA bindi	protein-coding
chr8-1319	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MC4|LIN	54377	NM_001323	23167	Hs.204564	NM_015137	ENSG0000	EFR3A	-	EFR3 homo	protein-coding
chrX-4506	8.906035	0.209384	0.780149	0.26839	0.788399	0.981636	chrX	45063460	45065087	+	0	NA	intron (N	intron (N	136603	NM_176819	79742	Hs.98321	NM_024689	ENSG0000	DIPK2B	4930578C1	divergent	protein-coding
chr19-138	7.155499	-0.23966	0.893185	-0.26832	0.788449	0.981636	chr19	13838227	13838952	+	0	NA	non-codin	non-codin	-1930	NR_029495	407010		NR_029495	ENSG0000	MIR23A	MIRN23A|M	microRNA	ncRNA
chr1-7763	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr1	77639400	77640796	+	0	NA	intron (N	intron (N	42560	NM_015534	26009	Hs.480506	NM_015534	ENSG0000	ZZZ3	ATAC1	zinc fing	protein-coding
chr14-745	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr14	74551261	74552511	+	0	NA	intron (N	L2c|LINE|	58121	NM_194279	122961	Hs.291079	NM_194279	ENSG0000	ISCA2	HBLD1|ISA	iron-sulf	protein-coding
chr3-1460	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	-14931	NR_146297	1.1E+08		NR_146297	ENSG0000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr4-1504	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr4	150420	151218	+	0	NA	intron (N	intron (N	22698	NM_001289	255403	Hs.636638	NM_001039	ENSG0000	ZNF718	-	zinc fing	protein-coding
chr4-1282	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	85878	NM_006320	10424	Hs.507910	NM_006320	ENSG0000	PGRMC2	DG6|PMBP	progester	protein-coding
chr9-1249	3.96549	-0.30645	1.142417	-0.26825	0.78851	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJr|SIN	-27958	NM_002077	2800	Hs.59504	NM_002077	ENSG0000	GOLGA1	golgin-97	golgin A1	protein-coding
chr11-111	8.898178	0.211085	0.786917	0.268243	0.788512	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	61323	NM_002716	5519	Hs.269128	NM_002716	ENSG0000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr5-1098	8.898178	0.211085	0.786917	0.268243	0.788512	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	L2a|LINE|	-34368	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr1-1178	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr1	11789942	11790437	+	0	NA	TTS (NM_	TTS (NM_	-10570	NR_126000	1.03E+08	Hs.737635	NR_126000	ENSG0000	LOC102724	-	uncharact	ncRNA
chr1-1760	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1MEf|LIN	-69435	NR_002998	677679		NR_002998	ENSG0000	SCARNA3	HBI-100	small Ca	ncRNA
chr10-776	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr10	7761341	7766079	+	0	NA	intron (N	intron (N	24283	NM_012311	22944	Hs.397918	NM_012311	ENSG0000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr11-947	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr11	9472654	9473250	+	0	NA	intron (N	intron (N	11940	NM_003442	7702	Hs.523471	NM_003442	ENSG0000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-737	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr11	73705436	73707661	+	0	NA	intron (N	intron (N	53545	NM_001243	5870	Hs.503222	NM_002869	ENSG0000	RAB6A	RAB6	RAB6A, me	protein-coding
chr12-282	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr12	2824022	2824298	+	0	NA	non-codin	non-codin	10875	NM_031474	83714	Hs.530816	NM_031474	ENSG0000	NRIP2	-	nuclear r	protein-coding
chr12-105	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	L1PA7|LIN	53848	NM_001251	55198	Hs.506603	NM_018171	ENSG0000	APPL2	DIP13B	adaptor p	protein-coding
chr13-758	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr13	75823287	75825498	+	0	NA	intron (N	intron (N	-46646	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 down	protein-coding
chr14-884	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr14	88440698	88441617	+	0	NA	Intergeni	L1PB1|LIN	55500	NM_018418	55812	Hs.525518	NM_018418	ENSG0000	SPATA7	HEL-S-296	spermatog	protein-coding
chr16-310	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr16	31034853	31035303	+	0	NA	intron (N	intron (N	1520	NM_004604	6810	Hs.83734	NM_004604	ENSG0000	STX4	STX4A|p35	syntaxin	protein-coding
chr17-750	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr17	7505976	7506529	+	0	NA	intron (N	AluY|SINE	21886	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr17-156	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr17	15678785	15679384	+	0	NA	intron (N	AluSx|SIN	3867	NM_006470	10626	Hs.123534	NM_006470	ENSG0000	TRIM16	EBBP	tripartit	protein-coding
chr17-679	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr17	67923571	67924044	+	0	NA	intron (N	intron (N	69799	NM_181656	284018	Hs.90790	NM_181655	ENSG0000	C17orf58	-	chromosom	protein-coding
chr19-381	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr19	38118310	38120295	+	0	NA	intron (N	intron (N	-43794	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr2-1329	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	76796	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG0000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2032	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	SVA_D|Ret	-31589	NM_177538	57404	Hs.446065	NM_020674	ENSG0000	CYP20A1	CYP-M	cytochrom	protein-coding
chr22-384	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr22	38475905	38476534	+	0	NA	intron (N	intron (N	8123	NM_006855	11015	Hs.745072	NM_006855	ENSG0000	KDELR3	ERD2L3	KDEL endo	protein-coding
chr4-4203	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr4	42039228	42042051	+	0	NA	intron (N	AluY|SINE	50109	NM_006345	10463	Hs.479634	NM_006345	ENSG0000	SLC30A9	BILAPES|C	solute ca	protein-coding
chr5-9674	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr5	96745677	96747009	+	0	NA	exon (NM_	exon (NM_	2741	NR_104285	831	Hs.436186	NM_001750	ENSG0000	CAST	BS-17|PLA	calpastat	protein-coding
chr6-1091	7.691376	-0.2244	0.836673	-0.2682	0.788542	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA3|LIN	-15781	NR_152435	221262	Hs.373914	NM_173671	ENSG0000	CCDC162P	C6orf183|	coiled-co	pseudo
chr1-8419	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr1	84198326	84199938	+	0	NA	intron (N	(AT)n|Sim	17500	NM_001242	5567	Hs.487325	NM_002731	ENSG0000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-9335	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr1	93354182	93358629	+	0	NA	intron (N	FAM|SINE|	10498	NM_001938	1810	Hs.348418	NM_001938	ENSG0000	DR1	NC2|NC2-E	down-regu	protein-coding

chr1-1100	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-8938	NM_001270	85369	Hs.584996	NM_033088	ENSG00000	STRIP1	FAM40A|FA	striatin	protein-coding
chr1-1109	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	11838	NM_018372	55791	Hs.25245	NM_018372	ENSG00000	LRIF1	C1orf103|	ligand de	protein-coding
chr1-1125	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L2c|LINE|	22101	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr10-501	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr10	50129582	50132313	+	0	NA	exon (NM_	exon (NM_	62993	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-619	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr10	61960725	61961963	+	0	NA	intron (N	MER113|DN	59645	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-933	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr10	93305049	93308467	+	0	NA	3’ UTR (N	3’ UTR (N	175576	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr11-106	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr11	10686358	10688665	+	0	NA	intron (N	LTR79|LTR	6063	NM_001100	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr11-434	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr11	43415087	43415508	+	0	NA	intron (N	intron (N	56377	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-476	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr11	47632998	47637304	+	0	NA	intron (N	AluJb|SIN	7408	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochond	protein-coding
chr11-118	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	-10778	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr11-119	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx1|SI	35858	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr12-459	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	45922501	45930948	+	0	NA	exon (NM_	exon (NM_	63850	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr12-565	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	56566505	56577726	+	0	NA	intron (N	AluSx|SIN	50295	NM_002898	5939	Hs.505729	NM_002898	ENSG00000	RBMS2	SCR3	RNA bindi	protein-coding
chr12-647	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	64741529	64743922	+	0	NA	intron (N	intron (N	16681	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr12-763	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	76389362	76390474	+	0	NA	intron (N	intron (N	33367	NM_001319	114882	Hs.430849	NM_020841	ENSG00000	OSBPL8	MST120|MS	oxysterol	protein-coding
chr12-108	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-5284	NR_030350	693204		NR_030350	ENSG00000	MIR619	MIRN619|h	microRNA	ncRNA
chr12-112	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJo|SIN	55530	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr13-499	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr13	49919075	49921861	+	0	NA	intron (N	intron (N	15872	NM_020456	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|C	SPRY doma	protein-coding
chr13-110	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	36768	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-233	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr14	23309142	23312942	+	0	NA	3’ UTR (N	3’ UTR (N	4182	NM_001199	599	Hs.410026	NM_004050	ENSG00000	BCL2L2	BCL-W|BCL	BCL2 like	protein-coding
chr14-311	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr14	31107870	31123512	+	0	NA	intron (N	AluJb|SIN	89048	NM_001254	11154	Hs.293411	NM_007077	ENSG00000	AP4S1	AP47B|CLA	adaptor r	protein-coding
chr14-520	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr14	52027096	52029771	+	0	NA	intron (N	AluJo|SIN	38887	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr14-527	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr14	52723873	52728737	+	0	NA	intron (N	intron (N	-3861	NM_001130	6815	Hs.364980	NM_145251	ENSG00000	STYX	-	serine/th	protein-coding
chr14-734	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr14	73419881	73420798	+	0	NA	intron (N	intron (N	38241	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endo	protein-coding
chr15-297	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr15	29738713	29742917	+	0	NA	intron (N	MER20|DNA	65880	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr15-297	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr15	29764618	29765853	+	0	NA	intron (N	L2b|LINE|	55439	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jun	protein-coding
chr15-784	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr15	78492542	78499082	+	0	NA	intron (N	MER106A|D	-11752	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr16-536	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr16	53685328	53686248	+	0	NA	intron (N	L1PA11|LI	18071	NM_001127	23322	Hs.298382	NM_015272	ENSG00000	RPGRIP1L	CORS3|FTM	RPGRIP1 l	protein-coding
chr17-793	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr17	7935858	7937902	+	0	NA	intron (N	intron (N	4674	NM_001353	116840	Hs.348012	NM_053051	ENSG00000	CNTROB	LIP8|PP12	centrobin	protein-coding
chr17-324	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr17	32451356	32458095	+	0	NA	intron (N	intron (N	10215	NM_002815	5717	Hs.443379	NM_002815	ENSG00000	PSMD11	Rpn6|S9|p	proteasom	protein-coding
chr17-663	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr17	66321124	66322187	+	0	NA	intron (N	AluSx|SIN	19042	NM_002737	5578	Hs.531704	NM_002737	ENSG00000	PRKCA	AAG6|PKC-	protein k	protein-coding
chr17-677	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr17	67734502	67742678	+	0	NA	intron (N	FLAM_C|SI	-2080	NR_003706	1E+08	Hs.693446	NR_003706	ENSG00000	SNORA38B	-	small nuc	snoRNA
chr17-767	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr17	76742759	76747359	+	0	NA	intron (N	intron (N	7558	NM_024311	79157	Hs.73965	NM_024311	ENSG00000	MFSD11	ET	major fac	protein-coding
chr18-292	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr18	2921947	2925935	+	0	NA	intron (N	intron (N	22682	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr19-232	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr19	23221734	23231409	+	0	NA	intron (N	intron (N	23823	NM_001355	440519	Hs.675814	NM_001355	ENSG00000	ZNF724	ZNF724P	zinc fing	protein-coding
chr19-544	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr19	54459935	54462423	+	0	NA	TTS (NM_0	TTS (NM_0	2599	NM_198988	94059	Hs.590976	NM_198988	ENSG00000	LENG9	-	leukocyte	protein-coding
chr19-582	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr19	58229713	58239479	+	0	NA	intron (N	intron (N	5682	NM_001320	27300	Hs.438994	NM_014480	ENSG00000	ZNF544	-	zinc fing	protein-coding
chr2-2768	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr2	27684903	27689488	+	0	NA	intron (N	L1ME4a|LI	-23355	NM_001282	9913	Hs.6232	NM_014860	ENSG00000	SUPT7L	SPT7L|STA	SPT7 like	protein-coding
chr2-1751	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	SVA_C|Ret	59668	NR_030630	1E+08		NR_030630	ENSG00000	MIR933	MIRN933|h	microRNA	ncRNA
chr2-1897	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSx|SIN	11772	NM_001321	5378	Hs.111749	NM_000534	ENSG00000	PMS1	HNPCC3|ML	PMS1 homo	protein-coding
chr2-2164	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	L1PA5|LIN	-43035	NM_000998	6168	Hs.433701	NM_000998	ENSG00000	RPL37A	L37A	ribosomal	protein-coding
chr20-315	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr20	31547448	31556862	+	0	NA	intron (N	intron (N	21108	NR_046853	1.01E+08	Hs.373741	NR_046853	ENSG00000	HM13-AS1	-	HM13 anti	ncRNA
chr22-278	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr22	27894020	27899698	+	0	NA	intron (N	intron (N	22355	NM_001284	23760	Hs.705323	NM_012399	ENSG00000	PITPNB	PI-TP-bet	phosphati	protein-coding
chr3-1646	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	16469860	16472773	+	0	NA	intron (N	MIR|SINE|	42383	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr3-3338	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	33384173	33388060	+	0	NA	non-codin	non-codin	54262	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr3-3705	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	37057946	37058988	+	0	NA	intron (N	AluSx1|SI	65117	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-4784	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	47845966	47848801	+	0	NA	intron (N	intron (N	-2172	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-5331	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	53317304	53320297	+	0	NA	intron (N	intron (N	14327	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr3-5664	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	56645420	56648541	+	0	NA	exon (NM_	exon (NM_	17066	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr3-1003	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	L1MC4|LIN	-14992	NM_020202	56954	Hs.439152	NM_020202	ENSG00000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr3-1238	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MIR3|SINE	75194	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1936	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	exon (NM_	exon (NM_	-39870	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG00000	OPA1-AS1	-	OPA1 anti	ncRNA
chr3-1968	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJr4|SI	-47936	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr4-7579	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	75790101	75792212	+	0	NA	intron (N	MIRb|SINE	66634	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-8471	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	84711276	84711818	+	0	NA	intron (N	L1M5|LINE	128420	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-9427	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	94278263	94281964	+	0	NA	intron (N	AluSq2|SI	26804	NM_001254	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr4-1086	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	11543	NM_001267	58505	Hs.445803	NM_021227	ENSG00000	OSTC	DC2	oligosacc	protein-coding
chr4-1218	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-3697	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr4-1412	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	11061	NM_014487	27309	Hs.120766	NM_014487	ENSG00000	ZNF330	HSA6591|N	zinc fing	protein-coding
chr5-6912	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr5	69121048	69126253	+	0	NA	intron (N	L1MC|LINE	29636	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-1769	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	L1MB7|LIN	32258	NM_016290	51720	Hs.232721	NM_016290	ENSG00000	UIMC1	RAP80|X2H	ubiquitin	protein-coding
chr6-1764	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr6	17642164	17651682	+	0	NA	intron (N	AluSq2|SI	46621	NM_016255	51439	Hs.95260	NM_016255	ENSG00000	FAM8A1	AHCP	family wi	protein-coding
chr6-1334	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	244844	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr6-1597	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	1880	NM_001303	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Co	protein-coding
chr7-7708	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr7	77089094	77091542	+	0	NA	intron (N	L1PA4|LIN	-29437	NM_001351	1.01E+08	Hs.651846	NM_001351348		SPDYE18	-	speedy/RI	protein-coding
chr7-8417	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr7	84172646	84175050	+	0	NA	intron (N	Charlie3|	20941	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-9222	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr7	92228729	92230456	+	0	NA	intron (N	intron (N	-16382	NM_019004	54467	Hs.83293	NM_019004	ENSG00000	ANKIB1	-	ankyrin r	protein-coding
chr7-1077	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-11617	NR_144537	1.02E+08	Hs.432792	NR_144536	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-2198	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	21989413	21992751	+	0	NA	intron (N	intron (N	-33052	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr8-2241	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	22415761	22420694	+	0	NA	intron (N	L1MB7|LIN	-22743	NM_001243	5533	Hs.731683	NM_005605	ENSG00000	PPP3CC	CALNA3|CN	protein p	protein-coding
chr8-3017	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	30176133	30176887	+	0	NA	intron (N	AluSx3|SI	20141	NM_006571	10671	Hs.158427	NM_006571	ENSG00000	DCTN6	WS-3|WS3|	dynactin	protein-coding
chr8-9771	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	97713080	97716751	+	0	NA	intron (N	AluSz6|SI	-60873	NM_018407	55353	Hs.492314	NM_018407	ENSG00000	LAPTM4B	LAPTM4bet	lysosomal	protein-coding
chr8-1332	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	52327	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr8-1408	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	113921	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr9-3247	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr9	32475335	32477645	+	0	NA	intron (N	AluJr|SIN	49706	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr9-9222	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr9	92224314	92230228	+	0	NA	intron (N	SVA_D|Ret	-36115	NM_001350	138652	Hs.742918	NM_001350291		PRSS47	-	serine pr	protein-coding
chr9-9651	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr9	96518351	96519272	+	0	NA	intron (N	intron (N	48020	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-1073	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	AluSc8|SI	28639	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chrX-2417	8.152833	-0.21721	0.809909	-0.26819	0.788551	0.981636	chrX	24172752	24181918	+	0	NA	intron (N	L2b|LINE|	27606	NM_001178	7543	Hs.336681	NM_003410	ENSG00000	ZFX	ZNF926	zinc fing	protein-coding
chr19-164	6.383805	0.248806	0.927801	0.268167	0.788571	0.981636	chr19	16414389	16416073	+	0	NA	intron (N	MLT1A0|LT	56739	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr19-451	6.383805	0.248806	0.927801	0.268167	0.788571	0.981636	chr19	45141058	45141791	+	0	NA	exon (NM_	exon (NM_	18726	NM_198478	284353	Hs.299256	NM_198478		NKPD1	-	NTPase KA	protein-coding
chr2-1866	8.111693	-0.21973	0.819655	-0.26808	0.78864	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-46823	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr20-490	8.111693	-0.21973	0.819655	-0.26808	0.78864	0.981636	chr20	49034450	49034738	+	0	NA	3’ UTR (N	3’ UTR (N	11462	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr7-1515	8.111693	-0.21973	0.819655	-0.26808	0.78864	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-40442	NM_005614	6009	Hs.283521	NM_005614	ENSG00000	RHEB	RHEB2	Ras homol	protein-coding
chr10-778	9.459479	0.2039	0.761148	0.267885	0.788788	0.981636	chr10	77841410	77841787	+	0	NA	intron (N	intron (N	85157	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr16-191	9.459479	0.2039	0.761148	0.267885	0.788788	0.981636	chr16	191515	193870	+	0	NA	intron (N	AluSz|SIN	12233	NM_005331	3049	Hs.247921	NM_005331	ENSG00000	HBQ1	HBQ	hemoglobi	protein-coding
chr1-1096	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	6161	NM_001257	271	Hs.82927	NM_004037	ENSG00000	AMPD2	PCH9|SPG6	adenosine	protein-coding
chr11-111	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	16315	NM_033425	85458	Hs.655626	NM_033425	ENSG00000	DIXDC1	CCD1	DIX domai	protein-coding
chr14-920	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr14	92006885	92008271	+	0	NA	intron (N	intron (N	32481	NM_004239	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr15-250	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr15	25099267	25100134	+	0	NA	TTS (NR_0	TTS (NR_0	202	NR_003340	1E+08		NR_003340	ENSG00000	SNORD116-	HBII-85-2	small nuc	snoRNA
chr17-497	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr17	4975612	4981531	+	0	NA	exon (NM_	exon (NM_	-8421	NR_106925	1.02E+08		NR_106925	ENSG00000	MIR6865	hsa-mir-6	microRNA	ncRNA
chr17-788	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr17	78872400	78873567	+	0	NA	intron (N	AluSq2|SI	30218	NM_001243	1.01E+08	Hs.734636	NM_001243	ENSG00000	CEP295NL	DDC8|KIAA	CEP295 N-	protein-coding
chr2-1909	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	46677	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr21-448	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr21	44849740	44851498	+	0	NA	non-codin	non-codin	23071	NM_004339	754	Hs.474010	NM_004339	ENSG00000	PTTG1IP	C21orf1|C	PTTG1 int	protein-coding
chr5-1769	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	MLT2B2|LT	26167	NM_016290	51720	Hs.232721	NM_016290	ENSG00000	UIMC1	RAP80|X2H	ubiquitin	protein-coding
chr8-9815	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr8	98156162	98157313	+	0	NA	intron (N	intron (N	38897	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr8-1334	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MER5A|DNA	108643	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chrX-1674	8.955033	0.209256	0.781253	0.267847	0.788817	0.981636	chrX	16744058	16745378	+	0	NA	intron (N	AluJr|SIN	25106	NM_032796	94056	Hs.744256	NM_032796	ENSG00000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr1-1192	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr1	11921645	11923175	+	0	NA	intron (N	intron (N	4017	NM_138346	90231	Hs.520094	NM_138346	ENSG00000	KIAA2013	-	KIAA2013	protein-coding
chr1-3215	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr1	32159562	32172926	+	0	NA	intron (N	intron (N	-13431	NM_175852	200081	Hs.17987	NM_175852	ENSG00000	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr1-7801	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr1	78013262	78016363	+	0	NA	intron (N	AluSx1|SI	9873	NM_007034	11080	Hs.13852	NM_007034	ENSG00000	DNAJB4	DNAJW|DjB	DnaJ heat	protein-coding
chr1-2352	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-31358	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr10-733	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr10	73389780	73389979	+	0	NA	intron (N	AluJr4|SI	24179	NM_001156	310	Hs.631827	NM_001156	ENSG00000	ANXA7	ANX7|SNX|	annexin A	protein-coding
chr11-656	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr11	65617936	65621271	+	0	NA	exon (NM_	exon (NM_	3291	NM_032223	399909	Hs.380801	NM_032223	ENSG00000	PCNX3	PCNXL3	pecanex 3	protein-coding
chr11-656	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr11	65621945	65624422	+	0	NA	intron (N	intron (N	6871	NM_032223	399909	Hs.380801	NM_032223	ENSG00000	PCNX3	PCNXL3	pecanex 3	protein-coding
chr12-111	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	81197	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr13-200	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr13	20031781	20033232	+	0	NA	intron (N	intron (N	-70195	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr14-583	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr14	58323374	58330414	+	0	NA	intron (N	L2c|LINE|	28339	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RB	AT-rich i	protein-coding
chr14-746	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr14	74689975	74691156	+	0	NA	intron (N	intron (N	22515	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr14-891	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr14	89161905	89162864	+	0	NA	3’ UTR (N	3’ UTR (N	254849	NM_005197	1112	Hs.434286	NM_005197	ENSG00000	FOXN3	C14orf116	forkhead	protein-coding
chr15-446	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr15	44612551	44615433	+	0	NA	intron (N	AluJr|SIN	49670	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-485	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr15	48595512	48597041	+	0	NA	intron (N	intron (N	49512	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-506	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr15	50636398	50637694	+	0	NA	intron (N	AluY|SINE	49751	NR_149154	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr15-732	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr15	73255323	73257062	+	0	NA	intron (N	L4_A_Mam|	-43718	NR_162148	1.13E+08		NR_162148		MIR12135	-	microRNA	ncRNA
chr15-754	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr15	75421800	75423097	+	0	NA	intron (N	intron (N	29242	NM_015477	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr16-222	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr16	2228453	2230466	+	0	NA	intron (N	intron (N	5868	NM_004424	1877	Hs.513268	NM_004424	ENSG00000	E4F1	E4F	E4F trans	protein-coding
chr16-891	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr16	8918724	8919167	+	0	NA	intron (N	intron (N	17694	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr16-563	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr16	56363497	56364493	+	0	NA	exon (NM_	exon (NM_	60994	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr16-564	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr16	56436948	56439512	+	0	NA	intron (N	MLT1F|LTR	-12685	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr17-369	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr17	36952218	36954858	+	0	NA	intron (N	intron (N	4584	NM_012138	26574	Hs.195740	NM_012138	ENSG00000	AATF	BFR2|CHE-	apoptosis	protein-coding
chr17-387	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr17	38754657	38761209	+	0	NA	intron (N	AluSq4|SI	5192	NR_104194	5691	Hs.82793	NM_002795	ENSG00000	PSMB3	HC10-II	proteasom	protein-coding
chr17-509	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr17	50991884	50996580	+	0	NA	intron (N	THE1A|LTR	52646	NM_001251	9043	Hs.463439	NM_003971	ENSG00000	SPAG9	CT89|HLC-	sperm ass	protein-coding
chr17-625	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr17	62573445	62574741	+	0	NA	intron (N	intron (N	-53577	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding

chr18-295	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr18	2950327	2955799	+		0	NA	intron (N	intron (N	-6440	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr19-488	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr19	48863796	48865418	+		0	NA	intron (N	AluJb|SIN	4010	NM_001161	57664	Hs.9469	NM_020904	ENSG00000	PLEKHA4	PEPP1	pleckstri	protein-coding
chr2-9481	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr2	9481503	9494777	+		0	NA	TTS (NM_0	TTS (NM_0	13085	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr2-2619	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr2	26194531	26202960	+		0	NA	intron (N	L3|LINE|C	18029	NM_001191	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 assc	protein-coding
chr2-2100	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr2	2.1E+08	2.1E+08	+		0	NA	exon (NM_	exon (NM_	-12410	NR_110291	1.02E+08	Hs.635556	NR_110291		LOC101928	-	uncharact	ncRNA
chr21-360	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr21	36043407	36046090	+		0	NA	intron (N	intron (N	15616	NM_001007	54093	Hs.606200	NM_017438	ENSG00000	SETD4	C21orf18|	SET domai	protein-coding
chr21-438	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr21	43802762	43803036	+		0	NA	intron (N	intron (N	9668	NR_026961	284837	Hs.592159	NM_194310	ENSG00000	AATBC	-	apoptosis	ncRNA
chr22-198	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr22	19850454	19852221	+		0	NA	exon (NM_	exon (NM_	3537	NM_053004	54584	Hs.105642	NM_053004	ENSG00000	GNB1L	DGCRK3|FK	G protein	protein-coding
chr22-382	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr22	38290961	38294634	+		0	NA	intron (N	intron (N	-19787	NM_001195	25829	Hs.182626	NM_012264	ENSG00000	TMEM184B	C22orf5|F	transmemb	protein-coding
chr22-462	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr22	46209421	46209845	+		0	NA	intron (N	L1ME1|LIN	40660	NM_207327	150383	Hs.103110	NM_207327	ENSG00000	CDPF1	C22orf40	cysteine	protein-coding
chr3-1130	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr3	11307401	11310863	+		0	NA	intron (N	intron (N	36735	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-1126	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr3	1.13E+08	1.13E+08	+		0	NA	intron (N	intron (N	-9429	NR_109779	1.01E+08	Hs.86538	NR_109779		LINC01279	-	long inte	ncRNA
chr4-2693	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr4	2693482	2698153	+		0	NA	intron (N	AluJo|SIN	60519	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr4-5190	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr4	51908729	51910386	+		0	NA	intron (N	MamRTE1|L	65978	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr4-1451	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr4	1.45E+08	1.45E+08	+		0	NA	intron (N	AluY|SINE	15826	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding
chr5-6559	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr5	65598074	65605014	+		0	NA	intron (N	THE1A|LTR	22789	NM_001656	373	Hs.792	NM_001656	ENSG00000	TRIM23	ARD1|ARFD	tripartit	protein-coding
chr6-4267	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr6	42673246	42688025	+		0	NA	intron (N	MIR3|SINE	41962	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-4356	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr6	43568099	43570889	+		0	NA	intron (N	AluSx1|SI	6544	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr6-1580	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr6	1.58E+08	1.58E+08	+		0	NA	intron (N	intron (N	74457	NM_032861	84947	Hs.154706	NM_032861	ENSG00000	SERAC1	-	serine ac	protein-coding
chr7-1055	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr7	1.06E+08	1.06E+08	+		0	NA	intron (N	intron (N	11412	NM_021930	60561	Hs.531388	NM_021930	ENSG00000	RINT1	RINT-1	RAD50 int	protein-coding
chr7-1314	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr7	1.31E+08	1.31E+08	+		0	NA	intron (N	intron (N	102206	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr9-5074	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr9	5074691	5075444	+		0	NA	intron (N	Tigger1|D	33374	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kir	protein-coding
chr9-8772	8.409447	0.21368	0.798347	0.267653	0.788967	0.981636	chr9	87727556	87731953	+		0	NA	intron (N	intron (N	3635	NM_001912	1514	Hs.731507	NM_001912	ENSG00000	CTSL	CATL|CTSL	cathepsin	protein-coding
chr16-295	11.92957	-0.18413	0.688214	-0.26755	0.789045	0.981636	chr16	29537327	29538343	+		0	NA	Intergeni	Intergeni	-31961	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr1-3783	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr1	37837167	37839631	+		0	NA	intron (N	intron (N	21193	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-2365	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr1	2.37E+08	2.37E+08	+		0	NA	intron (N	intron (N	13062	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr15-437	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr15	43761218	43761852	+		0	NA	intron (N	intron (N	15097	NM_005313	2923	Hs.591095	NM_005313	ENSG00000	PDIA3	ER60|ERp5	protein c	protein-coding
chr16-211	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr16	21173480	21174685	+		0	NA	exon (NM_	exon (NM_	-14641	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr16-585	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr16	58564139	58565570	+		0	NA	intron (N	AluSq2|SI	-4923	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNC	small nuc	snoRNA
chr16-744	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr16	74461539	74463690	+		0	NA	exon (NM_	exon (NM_	-41144	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr17-172	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr17	17246921	17248959	+		0	NA	intron (N	intron (N	-10772	NM_144606	201163	Hs.31652	NM_144606	ENSG00000	FLCN	BHD|DENND	folliculi	protein-coding
chr17-394	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr17	39474630	39474906	+		0	NA	intron (N	intron (N	13282	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-946	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr19	946947	948433	+		0	NA	intron (N	CpG	21655	NM_005224	1820	Hs.501296	NM_005224	ENSG00000	ARID3A	BRIGHT|DR	AT-rich i	protein-coding
chr19-465	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr19	4656506	4660795	+		0	NA	intron (N	intron (N	11753	NM_019107	56005	Hs.465645	NM_019107	ENSG00000	MYDGF	C19orf10|	myeloid c	protein-coding
chr19-171	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr19	17183116	17190135	+		0	NA	intron (N	intron (N	-28732	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-458	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr19	45858294	45860695	+		0	NA	intron (N	AluSz6|SI	3653	NM_004819	8189	Hs.515475	NM_004819	ENSG00000	SYMPK	SPK|SYM	symplekin	protein-coding
chr2-6908	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr2	69081007	69082330	+		0	NA	intron (N	MIRb|SINE	-22014	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-9628	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr2	96286163	96286646	+		0	NA	exon (NM_	exon (NM_	19142	NM_014014	23020	Hs.246112	NM_014014	ENSG00000	SNRNP200	ASCC3L1|B	small nuc	protein-coding
chr2-1603	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr2	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	-40599	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr2-1799	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr2	1.8E+08	1.8E+08	+		0	NA	intron (N	intron (N	34260	NM_020943	57703	Hs.311363	NM_020943	ENSG00000	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr20-248	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr20	2485964	2486808	+		0	NA	intron (N	intron (N	-15597	NM_198216	6628	Hs.83753	NM_003091	ENSG00000	SNRPB	CCMS|COD|	small nuc	protein-coding
chr21-316	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr21	31682463	31684795	+		0	NA	intron (N	intron (N	24007	NM_000454	6647	Hs.443914	NM_000454	ENSG00000	SOD1	ALS|ALS1|	superoxic	protein-coding
chr22-219	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr22	21928385	21931413	+		0	NA	intron (N	intron (N	-8338	NR_147620	1E+08	Hs.659180	NR_147620		LOC100286	-	uncharact	ncRNA
chr22-295	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr22	29510389	29512553	+		0	NA	intron (N	intron (N	31253	NM_021076	4744	Hs.198760	NM_021076	ENSG00000	NEFH	CMT2CC|NF	neurofila	protein-coding
chr22-427	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr22	42797564	42803619	+		0	NA	intron (N	intron (N	56682	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr5-3723	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr5	37236661	37240701	+		0	NA	intron (N	AluJo|SIN	-10365	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1774	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr5	1.77E+08	1.77E+08	+		0	NA	intron (N	intron (N	7002	NM_002082	2870	Hs.235116	NM_002082	ENSG00000	GRK6	GPRK6	G protein	protein-coding
chr7-6808	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr7	6808867	6812206	+		0	NA	intron (N	AluJr|SIN	15759	NM_198097	221960	Hs.567779	NM_198097	ENSG00000	CCZ1B	C7orf28A|	CCZ1 homo	protein-coding
chr7-1001	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr7	1E+08	1E+08	+		0	NA	TTS (NR_0	TTS (NR_0	1036	NR_039802	1.01E+08		NR_039802	ENSG00000	MIR4658	-	microRNA	ncRNA
chr9-3326	7.905001	0.220387	0.82379	0.267528	0.789062	0.981636	chr9	33266492	33267705	+		0	NA	intron (N	MIR|SINE|	2049	NM_016410	51510	Hs.635313	NM_016410	ENSG00000	CHMP5	C9orf83|C	charged m	protein-coding
chr14-102	12.83676	-0.17627	0.658993	-0.26748	0.789102	0.981636	chr14	1.02E+08	1.02E+08	+		0	NA	exon (NM_	exon (NM_	4612	NM_005348	3320	Hs.525600	NM_005348	ENSG00000	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr3-1956	12.83676	-0.17627	0.658993	-0.26748	0.789102	0.981636	chr3	1.96E+08	1.96E+08	+		0	NA	intron (N	L2c|LINE|	5390	NR_122105	440993	Hs.708999	NM_001013714		MIR570HG	LINC00969	MIR570 ho	ncRNA
chr12-111	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	TTS (NR_1	TTS (NR_1	274	NR_106819	1.02E+08		NR_106819	ENSG00000	MIR6761	hsa-mir-6	microRNA	ncRNA
chr13-244	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr13	24467723	24469897	+		0	NA	intron (N	intron (N	43968	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr17-188	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr17	18889964	18890413	+		0	NA	intron (N	AluSq|SIN	24719	NM_001243	5636	Hs.632236	NM_002767	ENSG00000	PRPSAP2	PAP41	phosphori	protein-coding
chr18-913	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr18	9130715	9131120	+		0	NA	intron (N	intron (N	5803	NR_110771	1.02E+08	Hs.656442	NR_110771	ENSG00000	NDUFV2-AS	-	NDUFV2 ar	ncRNA
chr19-541	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr19	54142843	54148387	+		0	NA	exon (NM_	exon (NM_	7853	NM_014516	4849	Hs.343571	NM_014516	ENSG00000	CNOT3	LENG2|NOT	CCR4-NOT	protein-coding
chr2-2194	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr2	2.19E+08	2.19E+08	+		0	NA	intron (N	intron (N	1750	NM_001173	10290	Hs.21639	NM_005876	ENSG00000	SPEG	APEG-1|AP	striated	protein-coding
chr21-293	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr21	29354833	29355589	+		0	NA	intron (N	LTR12|LTR	-17290	NR_046564	1.01E+08	Hs.326404	NR_046564		BACH1-IT2	-	BACH1 int	ncRNA
chr5-1774	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr5	1.77E+08	1.77E+08	+		0	NA	Intergeni	AluSc8|SI	-7812	NM_001363	1627	Hs.130316	NM_004395	ENSG00000	DBN1	D0S117E	drebrin 1	protein-coding
chr6-3054	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr6	30549932	30554223	+		0	NA	intron (N	AluJo|SIN	-4632	NM_025263	80742	Hs.118354	NM_025263	ENSG00000	PRR3	CAT56	proline r	protein-coding
chr6-3344	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr6	33444445	33445203	+		0	NA	intron (N	intron (N	6493	NR_049800	1.01E+08		NR_049800	ENSG00000	MIR5004	mir-5004	microRNA	ncRNA
chr8-1335	8.450587	0.215255	0.8051	0.267364	0.789189	0.981636	chr8	1.34E+08	1.34E+08	+		0	NA	intron (N	AluSx3|SI	9806	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr1-3191	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr1	31913848	31920058	+		0	NA	intron (N	intron (N	20865	NM_001369	8073	Hs.470477	NM_003479	ENSG00000	PTP4A2	HH13|HH7-	protein t	protein-coding
chr1-1227	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1203892	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2294	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr1	2.29E+08	2.29E+08	+		0	NA	exon (NM_	exon (NM_	-26596	NM_001100	58	Hs.1288	NM_001100	ENSG00000	ACTA1	ACTA|ASMA	actin alp	protein-coding
chr10-124	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr10	1.25E+08	1.25E+08	+		0	NA	intron (N	intron (N	23370	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-129	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr11	1.3E+08	1.3E+08	+		0	NA	intron (N	AluY|SINE	5187	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr12-829	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr12	829983	831453	+		0	NA	intron (N	L1MC5a|LI	77795	NM_213655	65125	Hs.744906	NM_014823	ENSG00000	WNK1	HSAN2|HSN	WNK lysin	protein-coding
chr12-952	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr12	95262911	95264147	+		0	NA	intron (N	AluJr|SIN	-44891	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|h	microRNA	ncRNA
chr13-200	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr13	20081999	20086036	+		0	NA	intron (N	intron (N	-18684	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr14-353	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr14	35308232	35313799	+		0	NA	intron (N	intron (N	18633	NM_002791	5687	Hs.446260	NM_002791	ENSG00000	PSMA6	IOTA|PROS	proteasom	protein-coding
chr14-926	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr14	92627404	92628404	+		0	NA	intron (N	LTR10G|LT	51670	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr15-399	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr15	39992673	39995424	+		0	NA	intron (N	L2a|LINE|	45133	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr15-425	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr15	42563818	42566140	+		0	NA	intron (N	AluSq2|SI	-10627	NM_020759	57519	Hs.122061	NM_020759	ENSG00000	STARD9	KIF16A	StAR rela	protein-coding
chr15-490	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr15	49025354	49030402	+		0	NA	intron (N	AluSq|SIN	18568	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bir	protein-coding
chr15-509	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr15	50912023	50915038	+		0	NA	intron (N	L3|LINE|C	4847	NM_001252	23431	Hs.413366	NM_007347	ENSG00000	AP4E1	CPSQ4|SPC	adaptor r	protein-coding
chr16-188	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr16	18807942	18812009	+		0	NA	intron (N	intron (N	-8426	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-718	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr16	71849369	71849925	+		0	NA	5' UTR (N	5' UTR (N	3671	NM_001137	342371	Hs.743239	NM_001137	ENSG00000	ATXN1L	BOAT|BOA1	ataxin 1	protein-coding
chr16-820	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr16	82068243	82075712	+		0	NA	intron (N	intron (N	36724	NM_002153	3294	Hs.162795	NM_002153	ENSG00000	HSD17B2	EDH17B2|H	hydroxyst	protein-coding
chr17-227	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr17	2279145	2283796	+		0	NA	intron (N	L2c|LINE|	-15285	NM_001256	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-157	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr17	15717560	15722167	+		0	NA	3' UTR (N	3' UTR (N	-12414	NM_178571	353149	Hs.434123	NM_178571	ENSG00000	TBC1D26	-	TBC1 doma	protein-coding
chr2-3248	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr2	32485717	32492833	+		0	NA	intron (N	intron (N	-42878	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-4660	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr2	46608109	46611810	+		0	NA	intron (N	Tigger1|D	7082	NM_173074	5281	Hs.468415	NM_002643	ENSG00000	PIGF	-	phosphati	protein-coding
chr2-8612	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr2	86129488	86139457	+		0	NA	intron (N	intron (N	-1398	NR_004378	692225	Hs.723087	NR_004378	ENSG00000	SNORD94	U94	small nuc	snoRNA
chr2-8644	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr2	86449714	86453467	+		0	NA	intron (N	Tigger2a|	10129	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr21-371	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr21	37186242	37193155	+		0	NA	intron (N	AluY|SINE	4228	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-218	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr22	21804425	21807324	+		0	NA	exon (NM_	exon (NM_	61806	NM_138957	5594	Hs.431850	NM_002745	ENSG00000	MAPK1	ERK|ERK-2	mitogen-a	protein-coding
chr22-243	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr22	24330458	24330832	+		0	NA	intron (N	intron (N	-11463	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-3340	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr3	33407825	33410562	+		0	NA	intron (N	intron (N	31185	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LE	upstream	protein-coding
chr3-1017	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr3	1.02E+08	1.02E+08	+		0	NA	intron (N	AluSz6|SI	7807	NM_001348	91775	Hs.595933	NM_145037	ENSG00000	NXPE3	FAM55C|MS	neurexoph	protein-coding
chr3-1425	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr3	1.43E+08	1.43E+08	+		0	NA	intron (N	intron (N	46161	NM_001184	545	Hs.271791	NM_001184	ENSG00000	ATR	FCTCS|FRP	ATR serin	protein-coding
chr4-1360	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr4	13602106	13604988	+		0	NA	exon (NM_	exon (NM_	24178	NM_148894	259282	Hs.744935	NM_148894	ENSG00000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr6-4355	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr6	43556499	43562460	+		0	NA	intron (N	intron (N	16559	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr6-5307	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr6	53072328	53084680	+		0	NA	intron (N	intron (N	7531	NM_012347	26268	Hs.216653	NM_012347	ENSG00000	FBXO9	FBX9|NY-R	F-box pro	protein-coding
chr6-1165	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr6	1.17E+08	1.17E+08	+		0	NA	intron (N	L2a|LINE|	20605	NM_016104	51389	Hs.532164	NM_015952	ENSG00000	RWDD1	CGI-24|PT	RWD domai	protein-coding
chr6-1315	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr6	1.32E+08	1.32E+08	+		0	NA	intron (N	intron (N	22989	NM_001244	383	Hs.440934	NM_000045	ENSG00000	ARG1	-	arginase	protein-coding
chr7-9035	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr7	90355040	90360155	+		0	NA	intron (N	intron (N	10881	NM_033107	85865	Hs.593547	NM_033107	ENSG00000	GTPBP10	ObgH2|UGO	GTP bindi	protein-coding
chr7-1024	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr7	1.02E+08	1.02E+08	+		0	NA	exon (NM_	exon (NM_	5568	NM_001126	80228	Hs.363308	NM_032831	ENSG00000	ORAI2	C7orf19|C	ORAI calc	protein-coding
chr7-1062	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr7	1.06E+08	1.06E+08	+		0	NA	intron (N	MIR|SINE|	9429	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	1110035O1	nicotinam	protein-coding
chr8-2344	8.913893	0.207722	0.776936	0.267361	0.789191	0.981636	chr8	23440235	23444017	+		0	NA	intron (N	intron (N	15521	NM_004901	9583	Hs.444389	NM_004901	ENSG00000	ENTPD4	LALP70|LA	ectonucle	protein-coding
chr15-490	9.410481	0.204027	0.763341	0.267282	0.789252	0.981636	chr15	49033771	49036350	+		0	NA	intron (N	intron (N	11386	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bir	protein-coding
chr17-451	9.410481	0.204027	0.763341	0.267282	0.789252	0.981636	chr17	45117977	45118477	+		0	NA	intron (N	intron (N	-3794	NR_106842	1.02E+08		NR_106842	ENSG00000	MIR6784	hsa-mir-6	microRNA	ncRNA
chr7-7470	9.410481	0.204027	0.763341	0.267282	0.789252	0.981636	chr7	74708812	74710066	+		0	NA	intron (N	AluSx|SIN	19479	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr1-1240	10.46837	0.194824	0.729606	0.267027	0.789449	0.981636	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2549267	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-650	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr11	65086684	65089337	+		0	NA	TTS (NM_0	TTS (NM_0	1099	NM_001282	1E+08	Hs.98170	NM_001242	ENSG00000	TMEM262	-	transmemb	protein-coding
chr12-477	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr12	47796426	47798443	+		0	NA	exon (NM_	exon (NM_	22469	NR_160436	51564	Hs.200063	NM_015401	ENSG00000	HDAC7	HD7|HD7A|	histone c	protein-coding
chr15-758	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr15	75879519	75879769	+		0	NA	intron (N	MER106A|D	-24215	NM_012170	26263	Hs.591115	NM_012170	ENSG00000	FBXO22	FBX22|FIS	F-box pro	protein-coding
chr16-864	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr16	86492113	86492890	+		0	NA	intron (N	MIRb|SINE	16359	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr17-489	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr17	4895398	4896178	+		0	NA	exon (NM_	exon (NM_	-3748	NM_001145	1E+08	Hs.579243	NM_001145	ENSG00000	C17orf107	-	chromosom	protein-coding
chr20-491	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr20	49127816	49128265	+		0	NA	intron (N	AluSp|SIN	60330	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen c	protein-coding
chr7-2778	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr7	27785614	27787186	+		0	NA	intron (N	AluY|SINE	46305	NM_001079	8887	Hs.34576	NM_006024	ENSG00000	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr8-2663	7.400555	0.227953	0.854276	0.266838	0.789594	0.981636	chr8	26638258	26638928	+		0	NA	intron (N	intron (N	60188	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr9-1089	7.237778	-0.23404	0.877242	-0.26679	0.78963	0.981636	chr9	1.09E+08	1.09E+08	+		0	NA	exon (NM_	exon (NM_	31186	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr1-1200	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr1	12001188	12002765	+		0	NA	intron (N	intron (N	-17522	NM_021933	60672	Hs.8595	NM_021933	ENSG00000	MIIP	IIP45	migration	protein-coding
chr1-3509	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr1	35099289	35099875	+		0	NA	intron (N	intron (N	20197	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr11-654	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr11	65400543	65401203	+		0	NA	intron (N	intron (N	14236	NM_001300	83786	Hs.578433	NM_031904	ENSG00000	FRMD8	FKSG44|iT	FERM doma	protein-coding
chr12-293	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr12	2933698	2935581	+		0	NA	intron (N	intron (N	-24758	NM_003213	7004	Hs.94865	NM_003213	ENSG00000	TEAD4	EFTR-2|RT	TEA domai	protein-coding
chr14-584	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr14	58416419	58417129	+		0	NA	intron (N	L1MDa|LIN	10468	NM_001304	26520	Hs.440525	NM_012460	ENSG00000	TIMM9	TIM9|TIM9	transloca	protein-coding
chr16-700	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr16	70020151	70022859	+		0	NA	intron (N	intron (N	-8841	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr2-1482	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr2	1.48E+08	1.48E+08	+		0	NA	intron (N	Tigger1|D	-215303	NM_181742	5000	Hs.558364	NM_002552	ENSG00000	ORC4	ORC4L|ORC	origin re	protein-coding
chr20-356	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr20	35668332	35669664	+		0	NA	non-codir	non-codir	-4098	NM_001198	10137	Hs.700188	NM_006047	ENSG00000	RBM12	HRIHFB209	RNA bindi	protein-coding
chr22-287	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr22	28774333	28776216	+		0	NA	intron (N	AluSg|SIN	2137	NM_001284	150275	Hs.406460	NM_173510	ENSG00000	CCDC117	dJ366L4.1	coiled-cc	protein-coding

chr3-1559	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr3	15598801	15599345	+	0	NA	intron (N	L2c|LINE|	-2279	NM_001281	686	Hs.444197	NM_001281	ENSG0000C	BTD	-	biotinida	protein-coding
chr3-6419	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr3	64196646	64198816	+	0	NA	intron (N	L1PA13|LI	10187	NR_046702	1.01E+08	Hs.67084C	NR_046702	ENSG0000C	PRICKLE2-	-	PRICKLE2	ncRNA
chr4-1223	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-61297	NM_139243	132612	Hs.518957	NM_139243	ENSG0000C	ADAD1	Tenr	adenosine	protein-coding
chr5-1341	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	L2|LINE|L	7969	NM_170679	6500	Hs.171626	NM_00693C	ENSG0000C	SKP1	EMC19|OCF	S-phase k	protein-coding
chr7-1487	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	87152	NM_00137C	8454	Hs.146806	NM_003592	ENSG0000C	CUL1	-	cullin 1	protein-coding
chr8-9915	9.418339	0.202421	0.758817	0.266759	0.789655	0.981636	chr8	99150457	99151696	+	0	NA	intron (N	L1MC1|LIN	137810	NM_01789C	157680	Hs.19154C	NM_015243	ENSG0000C	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr1-1864	9.402624	0.205692	0.771232	0.266705	0.789696	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	L2c|LINE|	9406	NM_022375	10896	Hs.67923C	NM_022375	ENSG0000C	OCLM	TISR	oculomedi	protein-coding
chr16-572	8.630005	-0.21426	0.804033	-0.26648	0.789871	0.981636	chr16	57230163	57230921	+	0	NA	intron (N	MER104|DN	-14717	NM_012106	23568	Hs.632873	NM_012106	ENSG0000C	ARL2BP	BART|BART	ADP ribos	protein-coding
chr12-123	8.622147	-0.21256	0.797793	-0.26643	0.789909	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	18618	NM_001516	2967	Hs.355348	NM_001516	ENSG0000C	GTF2H3	BTF2|P34|	general t	protein-coding
chr15-327	6.424945	0.250509	0.940284	0.266418	0.789917	0.981636	chr15	32727818	32728043	+	0	NA	intron (N	L1P3|LINE	-9065	NR_109767	1E+08	Hs.610545	NR_109767	ENSG0000C	LOC100131	-	uncharact	ncRNA
chr9-1363	6.424945	0.250509	0.940284	0.266418	0.789917	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	7038	NM_003086	6621	Hs.113265	NM_003086	ENSG0000C	SNAPC4	PTFalpha|	small nuc	protein-coding
chr16-214	12.37531	-0.17896	0.67203	-0.26629	0.790016	0.981636	chr16	21451480	21453763	+	0	NA	non-codir	non-codir	-18166	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019C	-	uncharact	ncRNA
chr5-4082	12.37531	-0.17896	0.67203	-0.26629	0.790016	0.981636	chr5	40826544	40834722	+	0	NA	3’ UTR (N	3’ UTR (N	2102	NR_002583	619564		NR_002583	ENSG0000C	SNORD72	HBII-240	small nuc	snoRNA
chr1-1557	7.946141	0.221981	0.833626	0.266283	0.790021	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSg7|SI	-26035	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr13-102	7.946141	0.221981	0.833626	0.266283	0.790021	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	17302	NM_00101C	196541	Hs.508623	NM_00101C	ENSG0000C	METTL21C	C13orf39	methyltra	protein-coding
chr15-731	7.946141	0.221981	0.833626	0.266283	0.790021	0.981636	chr15	73132706	73132905	+	0	NA	intron (N	L1PB1|LIN	80321	NM_001172	4756	Hs.388613	NM_002499	ENSG0000C	NEO1	IGDCC2|NC	neogenin	protein-coding
chr19-172	7.946141	0.221981	0.833626	0.266283	0.790021	0.981636	chr19	17231545	17232487	+	0	NA	3’ UTR (N	3’ UTR (N	5790	NM_024578	79629	Hs.422676	NM_024578	ENSG0000C	OCEL1	FWP009|S8	occludin/	protein-coding
chr6-1601	7.946141	0.221981	0.833626	0.266283	0.790021	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	11765	NR_003288	729603	Hs.67481C	NR_003288	ENSG0000C	LOC729603	-	calcineur	pseudo
chr17-599	7.979423	0.225521	0.847599	0.266071	0.790185	0.981636	chr17	59931602	59932336	+	0	NA	intron (N	intron (N	32771	NM_016125	51136	Hs.531701	NM_016125	ENSG0000C	RNFT1	PTD016	ring fing	protein-coding
chr5-3398	9.914927	0.199266	0.749098	0.266007	0.790233	0.981636	chr5	33988134	33988604	+	0	NA	non-codir	non-codir	-3676	NM_01618C	51151	Hs.278962	NM_01618C	ENSG0000C	SLC45A2	1A1|AIM1|	solute ca	protein-coding
chr6-3610	9.914927	0.199266	0.749098	0.266007	0.790233	0.981636	chr6	36107518	36108511	+	0	NA	intron (N	MIR1_Amn|	-22499	NR_072996	5603	Hs.178695	NM_002754	ENSG0000C	MAPK13	MAPK 13|M	mitogen-a	protein-coding
chr2-2391	13.76754	-0.17277	0.649546	-0.26599	0.790246	0.981636	chr2	2.39E+08	2.39E+08	+	0	NA	intron (N	L1MB7|LIN	-39169	NR_039643	1.01E+08		NR_039643	ENSG0000C	MIR4441	-	microRNA	ncRNA
chr14-348	9.922785	0.197696	0.743435	0.265922	0.790299	0.981636	chr14	34802399	34803333	+	0	NA	exon (NM_	exon (NM_	-71325	NR_160776	1.12E+08	Hs.50914C	NR_160776		LOC112268	-	uncharact	ncRNA
chr9-6925	6.458227	0.254624	0.95761	0.265896	0.79032	0.981636	chr9	69254129	69254554	+	0	NA	exon (NM_	exon (NM_	49186	NM_001369	9414	Hs.50382	NM_004817	ENSG0000C	TJP2	C9DUPq21.	tight jur	protein-coding
chr12-292	7.18878	-0.23494	0.8839	-0.2658	0.790394	0.981636	chr12	2927948	2928365	+	0	NA	intron (N	intron (N	-31241	NM_003213	7004	Hs.94865	NM_003213	ENSG0000C	TEAD4	EFTR-2|RT	TEA domai	protein-coding
chr12-296	7.18878	-0.23494	0.8839	-0.2658	0.790394	0.981636	chr12	29620811	29621702	+	0	NA	intron (N	intron (N	-121563	NM_001353	341350	Hs.674588	NM_183378	ENSG0000C	OVCH1	OVCH	ovochymas	protein-coding
chr15-619	7.18878	-0.23494	0.8839	-0.2658	0.790394	0.981636	chr15	61980903	61981442	+	0	NA	intron (N	intron (N	79275	NM_017684	54832	Hs.511668	NM_017684	ENSG0000C	VPS13C	PARK23	vacuolar	protein-coding
chr3-1491	7.18878	-0.23494	0.8839	-0.2658	0.790394	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	45695	NM_000096	1356	Hs.558314	NM_000096	ENSG0000C	CP	CP-2	cerulopla	protein-coding
chr1-6701	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr1	67010364	67012900	+	0	NA	intron (N	AluJb|SIN	42516	NM_015139	23169	Hs.213642	NM_015139	ENSG0000C	SLC35D1	SHNKND|UC	solute ca	protein-coding
chr1-1535	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	759	NM_014624	6277	Hs.275243	NM_014624	ENSG0000C	S100A6	2A9|5B10|	S100 calc	protein-coding
chr1-2431	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	58328	NM_014812	9859	Hs.533635	NM_014812	ENSG0000C	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-122	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr10	12236966	12237758	+	0	NA	intron (N	intron (N	41174	NM_006023	8872	Hs.412842	NM_006023	ENSG0000C	CDC123	C10orf7|D	cell divi	protein-coding
chr10-689	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr10	68912599	68915794	+	0	NA	exon (NM_	exon (NM_	12881	NM_024045	79009	Hs.522984	NM_024045	ENSG0000C	DDX50	GU2|GUB|F	DExD-box	protein-coding
chr11-671	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr11	67180321	67183044	+	0	NA	intron (N	L1ME4a|LI	-58332	NM_001256	22992	Hs.124147	NM_012308	ENSG0000C	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-112	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSc|SIN	5635	NR_16040C	26521	Hs.279915	NM_012459	ENSG0000C	TIMM8B	DDP2|TIM8	transloca	protein-coding
chr11-117	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	non-codir	non-codir	-9227	NM_00104C	51092	Hs.712144	NM_015996	ENSG0000C	SIDT2	CGI-40	SID1 trar	protein-coding
chr12-487	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr12	48710316	48712487	+	0	NA	intron (N	(AAAT)n|S	5306	NM_00124C	904	Hs.92308	NM_00124C	ENSG0000C	CCNT1	CCNT|CYCT	cyclin T1	protein-coding
chr12-927	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr12	92793881	92795752	+	0	NA	intron (N	L1PA6|LIN	58327	NM_001004	440107	Hs.591013	NM_001004	ENSG0000C	PLEKHG7	-	pleckstri	protein-coding
chr13-946	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr13	94621163	94625200	+	0	NA	exon (NM_	exon (NM_	21324	NM_180989	160897	Hs.439363	NM_180989	ENSG0000C	GPR180	ITR	G proteir	protein-coding
chr14-602	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr14	60291858	60292810	+	0	NA	intron (N	intron (N	-30862	NR_146481	1.02E+08		NR_146481	ENSG0000C	LINC02322	-	long inte	ncRNA
chr14-609	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr14	60984879	60990242	+	0	NA	intron (N	MIRb|SINE	-5870	NM_00135C	57570	Hs.380159	NM_02081C	ENSG0000C	TRMT5	COXPD26|K	tRNA meth	protein-coding
chr14-761	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr14	76177386	76179467	+	0	NA	3’ UTR (N	3’ UTR (N	24072	NR_110314	55668	Hs.410231	NM_017926	ENSG0000C	GPATCH2L	C14orf118	G-patch c	protein-coding
chr15-503	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr15	50302915	50303654	+	0	NA	intron (N	AluJb|SIN	-37558	NM_002112	3067	Hs.1481	NM_002112	ENSG0000C	HDC	-	histidine	protein-coding
chr17-539	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr17	5399631	5401386	+	0	NA	intron (N	AluSg|SIN	-19133	NM_00116C	84268	Hs.462086	NM_032308	ENSG0000C	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-549	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr17	54961709	54964971	+	0	NA	exon (NM_	exon (NM_	5314	NR_135677	1353	Hs.591171	NM_004375	ENSG0000C	COX11	COX11P	cytochrom	protein-coding
chr19-343	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr19	34389802	34392044	+	0	NA	intron (N	intron (N	-13475	NM_001353	84306	Hs.515344	NM_032346	ENSG0000C	PDCD2L	-	programme	protein-coding
chr2-6385	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr2	63857925	63859347	+	0	NA	intron (N	intron (N	16756	NM_006759	7360	Hs.516217	NM_006759	ENSG0000C	UGP2	UDPG|UDPC	UDP-gluc	protein-coding
chr2-1526	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	44816	NM_001365	55660	Hs.643580	NM_017892	ENSG0000C	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr2-2318	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	AluJr|SIN	15229	NM_001282	64708	Hs.335061	NM_02273C	ENSG0000C	COPS7B	CSN7B|SGN	COP9 sigr	protein-coding
chr22-415	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr22	41526302	41529341	+	0	NA	3’ UTR (N	3’ UTR (N	16649	NM_001018	171568	Hs.712617	NM_138338	ENSG0000C	POLR3H	RPC22.9|R	RNA polym	protein-coding
chr22-498	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr22	49886287	49886750	+	0	NA	exon (NM_	exon (NM_	31920	NM_024105	79087	Hs.526711	NM_024105	ENSG0000C	ALG12	CDG1G|ECM	ALG12 alp	protein-coding
chr3-1637	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	16375238	16378838	+	0	NA	intron (N	intron (N	111826	NM_001352	92106	Hs.655449	NM_138381	ENSG0000C	OXNAD1	-	oxidoredu	protein-coding
chr3-2740	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	27401491	27405381	+	0	NA	intron (N	intron (N	-33976	NM_152534	152110	Hs.506115	NM_152534	ENSG0000C	NEK10	-	NIMA rela	protein-coding
chr3-3704	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	37047436	37050658	+	0	NA	intron (N	intron (N	55697	NM_001258	4292	Hs.195364	NM_000249	ENSG0000C	MLH1	COCA2|FCC	mutL homc	protein-coding
chr3-4473	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	44731659	44733190	+	0	NA	intron (N	intron (N	2789	NM_001258	115560	Hs.401045	NM_145044	ENSG0000C	ZNF501	ZNF|ZNF52	zinc fing	protein-coding
chr3-1238	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MLT1G|LTR	18543	NM_053026	4638	Hs.477375	NM_005965	ENSG0000C	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1254	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	24287	NM_003794	8723	Hs.507243	NM_003794	ENSG0000C	SNX4	ATG24B	sorting r	protein-coding
chr3-1314	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr3	1.31E+08	1.32E+08	+	0	NA	intron (N	MIR|SINE|	3161	NM_007208	11222	Hs.205163	NM_007208	ENSG0000C	MRPL3	COXPD9|MR	mitochonc	protein-coding
chr4-8306	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr4	83063210	83068102	+	0	NA	intron (N	LTR82B|LT	30473	NM_00133C	51138	Hs.190384	NM_016129	ENSG0000C	COPS4	CSN4|SGN4	COP9 sigr	protein-coding
chr5-3882	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr5	38827353	38827734	+	0	NA	intron (N	MLT1A1|LT	18286	NR_109951	1.02E+08	Hs.546623	NR_109951		OSMR-AS1	CTD-2127H	OSMR anti	ncRNA
chr5-4317	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr5	43173361	43174261	+	0	NA	intron (N	intron (N	-18414	NM_153361	167359	Hs.25845	NM_153361	ENSG0000C	NIM1K	NIM1	NIM1 seri	protein-coding
chr5-9892	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr5	98923595	98925683	+	0	NA	intron (N	intron (N	1895	NM_00127C	1105	Hs.643465	NM_00127C	ENSG0000C	CHD1	CHD-1|PII	chromodom	protein-coding
chr6-3068	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr6	30680295	30681993	+	0	NA	intron (N	L2a|LINE|	5501	NM_133471	170954	Hs.10115C	NM_133471	ENSG0000C	PPP1R18	HKMT1098|	protein p	protein-coding
chr6-1310	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	THE1C-int	5379	NM_00135C	2037	Hs.48647C	NM_001431	ENSG0000C	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr6-1484	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr6	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	-34027	NM_001346	23328	Hs.193133	NM_015278	ENSG0000C	SASH1	CAPOK|DUF	SAM and S	protein-coding
chr7-5738	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr7	5738495	5739940	+	0	NA	intron (N	L1MB3|LIN	-27307	NR_106934	1.02E+08		NR_106934	ENSG0000C	MIR6874	hsa-mir-6	microRNA	ncRNA
chr8-4785	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr8	47855691	47862959	+	0	NA	intron (N	intron (N	100811	NM_001081	5591	Hs.491682	NM_006904	ENSG0000C	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-7204	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr8	72040377	72042851	+	0	NA	intron (N	L1MB2|LIN	33970	NM_007332	8989	Hs.716816	NM_007332	ENSG0000C	TRPA1	ANKTM1|FE	transient	protein-coding
chr9-4710	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr9	4710200	4713015	+	0	NA	3’ UTR (N	3’ UTR (N	14620	NM_001199	50808	Hs.732022	NM_016282	ENSG0000C	AK3	AK3L1|AK6	adenylate	protein-coding
chr9-1323	8.144975	-0.21557	0.811342	-0.2657	0.790474	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	HAL1|LINE	33629	NM_001351	23064	Hs.460317	NM_015046	ENSG0000C	SETX	ALS4|AOA2	senataxir	protein-coding
chr11-129	8.61429	-0.21093	0.794636	-0.26544	0.790671	0.981636	chr11	12924640	12925632	+	0	NA	intron (N	intron (N	64412	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG0000C	LINC00958	BLACAT2	long inte	ncRNA
chr12-108	8.61429	-0.21093	0.794636	-0.26544	0.790671	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	15753	NM_014706	9733	Hs.584842	NM_014706	ENSG0000C	SART3	DSAP1|P10	spliceosc	protein-coding
chr17-424	8.61429	-0.21093	0.794636	-0.26544	0.790671	0.981636	chr17	42483225	42486091	+	0	NA	intron (N	intron (N	-10115	NR_049845	1.01E+08		NR_049845	ENSG0000C	MIR548AT	-	microRNA	ncRNA
chr1-2580	6.896109	0.236506	0.891251	0.265364	0.790729	0.981636	chr1	25807128	25807723	+	0	NA	intron (N	intron (N	7232	NM_020451	57190	Hs.323396	NM_020451	ENSG0000C	SELENON	CFTD|MDRS	selenopro	protein-coding
chr12-121	6.896109	0.236506	0.891251	0.265364	0.790729	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	-65420	NR_106957	1.02E+08		NR_106957	ENSG0000C	MIR7107	hsa-mir-7	microRNA	ncRNA
chr8-9710	6.896109	0.236506	0.891251	0.265364	0.790729	0.981636	chr8	9710112	9711548	+	0	NA	intron (N	AluY|SINE	-30842	NR_030327	693182		NR_030327	ENSG0000C	MIR597	MIRN597|h	microRNA	ncRNA
chr2-1327	3.92435	-0.31164	1.174544	-0.26532	0.790759	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	MSTB|LTR|	-67228	NM_001077	116372	Hs.432395	NM_144586	ENSG0000C	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr1-1565	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	15659217	15661724	+	0	NA	exon (NM_	exon (NM_	757	NM_006511	6248	Hs.239459	NM_006511	ENSG0000C	RSC1A1	RS1	regulator	protein-coding
chr1-3617	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	36170665	36182722	+	0	NA	intron (N	CpG-890	20533	NM_001286	55700	Hs.356096	NM_018067	ENSG0000C	MAP7D1	PARCC1|RF	MAP7 doma	protein-coding
chr1-4370	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	43703264	43704812	+	0	NA	exon (NM_	exon (NM_	3303	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr1-1035	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	-9067	NM_020978	280	Hs.484588	NM_020978	ENSG0000C	AMY2B	AMY2|AMY3	amylase a	protein-coding
chr1-1552	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSp|SIN	-2844	NM_006589	10712	Hs.348308	NM_006589	ENSG0000C	FAM189B	C1orf2|CC	family wi	protein-coding
chr1-1693	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	intron (N	MER103C|D	3690	NM_00132C	8548	Hs.130746	NM_003666	ENSG0000C	BLZF1	GOLGIN-45	basic leu	protein-coding
chr1-1788	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	33648	NM_004673	9068	Hs.591474	NM_004673	ENSG0000C	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr1-1800	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx|SIN	90503	NM_01481C	9857	Hs.413045	NM_01481C	ENSG0000C	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2130	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	MLT1D|LTR	33786	NM_012424	26750	Hs.591416	NM_012424	ENSG0000C	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr1-2200	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	14827	NM_004446	2058	Hs.497788	NM_004446	ENSG0000C	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr10-779	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr10	77988128	78009449	+	0	NA	intron (N	L1PA4|LIN	30727	NM_007055	11128	Hs.436896	NM_007055	ENSG0000C	POLR3A	ADDH|HLD7	RNA polym	protein-coding
chr11-376	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr11	3769529	3772803	+	0	NA	intron (N	L2a|LINE|	26380	NR_157591	4928	Hs.524750	NM_005387	ENSG0000C	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-434	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr11	43466621	43468609	+	0	NA	intron (N	L1MB2|LIN	-92041	NR_031577	1E+08		NR_031577	ENSG0000C	MIR670	hsa-mir-6	microRNA	ncRNA
chr11-474	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr11	47470524	47477083	+	0	NA	intron (N	L1ME1|LIN	15221	NM_001025	10658	Hs.595333	NM_00656C	ENSG0000C	CELF1	BRUNOL2|C	CUGBP Ela	protein-coding
chr11-649	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr11	64927752	64934621	+	0	NA	intron (N	intron (N	4707	NM_130769	170589	Hs.436119	NM_130769	ENSG0000C	GPHA2	A2|GPA2|Z	glycoprot	protein-coding
chr12-147	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr12	14786809	14792201	+	0	NA	intron (N	AluY|SINE	13973	NM_016312	51729	Hs.655138	NM_016312	ENSG0000C	WBP11	NPWBP|PPF	WW domair	protein-coding
chr12-536	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr12	53663915	53673811	+	0	NA	intron (N	AluSz6|SI	6556	NM_00133C	517	Hs.524464	NM_005176	ENSG0000C	ATP5MC2	ATP5A|ATP	ATP synth	protein-coding
chr12-112	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-71918	NR_106921	1.02E+08		NR_106921	ENSG0000C	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-200	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr13	20070744	20072289	+	0	NA	intron (N	MER51C|LT	-31185	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG0000C	LINC01072	-	long inte	ncRNA
chr13-455	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr13	45503319	45506926	+	0	NA	intron (N	AluSx|SIN	40183	NM_031431	83548	Hs.507948	NM_031431	ENSG0000C	COG3	SEC34	component	protein-coding
chr13-951	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr13	95167397	95176808	+	0	NA	intron (N	intron (N	-38242	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-213	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr14	21356077	21358196	+	0	NA	intron (N	intron (N	26883	NM_007192	11198	Hs.213724	NM_007192	ENSG0000C	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr14-103	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSz|SIN	54213	NM_001823	1152	Hs.173724	NM_001823	ENSG0000C	CKB	B-CK|BCK|	creatine	protein-coding
chr14-103	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	45999	NM_001823	1152	Hs.173724	NM_001823	ENSG0000C	CKB	B-CK|BCK|	creatine	protein-coding
chr15-403	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr15	40334941	40338038	+	0	NA	intron (N	intron (N	4478	NM_20738C	388115	Hs.32433	NM_20738C	ENSG0000C	CCDC9B	C15orf52	coiled-cc	protein-coding
chr15-434	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr15	43411790	43416694	+	0	NA	intron (N	MIR|SINE|	43141	NM_001286	27229	Hs.584887	NM_014444	ENSG0000C	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr15-484	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr15	48450665	48458225	+	0	NA	intron (N	(ACA)n|Si	122248	NM_001948	1854	Hs.527980	NM_001948	ENSG0000C	DUT	dUTPase	deoxyuric	protein-coding
chr15-509	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr15	50925692	50927916	+	0	NA	intron (N	AluSx4|SI	-17325	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr16-598	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	59900	64889	+	0	NA	intron (N	intron (N	8566	NM_024571	79622	Hs.15277	NM_024571	ENSG0000C	SNRNP25	C16orf33	small nuc	protein-coding
chr16-247	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	24777725	24783413	+	0	NA	intron (N	L1ME3C|LI	50918	NM_014494	27327	Hs.655057	NM_014494	ENSG0000C	TNRC6A	CAGH26|FA	trinuclec	protein-coding
chr16-275	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	27532423	27545960	+	0	NA	intron (N	intron (N	10722	NM_00152C	2975	Hs.371718	NM_00152C	ENSG0000C	GTF3C1	TFIIIC|TF	general t	protein-coding
chr16-281	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	28103578	28109435	+	0	NA	intron (N	intron (N	-42792	NM_001109	146395	Hs.91910	NM_144675	ENSG0000C	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-306	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	30664756	30671290	+	0	NA	intron (N	intron (N	9592	NM_001105	64319	Hs.247186	NM_022452	ENSG0000C	FBRS	FBS|FBS1	fibrosin	protein-coding
chr16-886	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr16	88622183	88625802	+	0	NA	exon (NM_	exon (NM_	-14580	NM_013278	27189	Hs.278911	NM_013278	ENSG0000C	IL17C	CX2|IL-17	interleuk	protein-coding
chr17-186	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr17	18676786	18680733	+	0	NA	intron (N	MLT1K|LTR	3555	NM_001368	2310	Hs.592126	NM_001368134		FOXO3B	FKHRL1P1|	forkhead	protein-coding
chr17-286	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr17	28697061	28702144	+	0	NA	intron (N	intron (N	10502	NM_001366	147011	Hs.207471	NM_152465	ENSG0000C	PROCA1	-	protein i	protein-coding
chr17-440	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr17	44032008	44039235	+	0	NA	3’ UTR (N	3’ UTR (N	-12470	NM_001304	84336	Hs.514211	NM_032376	ENSG0000C	TMEM101	-	transmemb	protein-coding
chr17-585	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr17	58502775	58506032	+	0	NA	exon (NM_	exon (NM_	13477	NM_004687	9110	Hs.514373	NM_004687	ENSG0000C	MTMR4	FYVE-DSP2	myotubula	protein-coding
chr17-815	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr17	81592809	81598429	+	0	NA	intron (N	AluSx1|SI	-18186	NR_130139	55666	Hs.464333	NM_017921	ENSG0000C	NPLOC4	NPL4	NPL4 homc	protein-coding
chr18-277	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr18	2774314	2774833	+	0	NA	intron (N	AluJb|SIN	-72433	NM_032048	84034	Hs.532815	NM_032048	ENSG0000C	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr18-232	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr18	23214069	23217006	+	0	NA	intron (N	MamRep605	59712	NM_138375	91768	Hs.11108	NM_138375	ENSG0000C	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr18-244	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr18	24448784	24451598	+	0	NA	intron (N	intron (N	-10446	NM_021624	59340	Hs.287388	NM_021624	ENSG0000C	HRH4	AXOR35|BC	histamine	protein-coding
chr18-361	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr18	36136342	36141521	+	0	NA	intron (N	intron (N	9032	NM_001242	55250	Hs.8739	NM_018255	ENSG0000C	ELP2	MRT58|SHI	elongator	protein-coding
chr19-564	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	5649351	5670273	+	0	NA	intron (N	intron (N	20426	NM_001365	125988	Hs.356626	NM_205767	ENSG0000C	MICOS13	C19orf70|	mitochonc	protein-coding
chr19-129	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	12921936	12930658	+	0	NA	intron (N	AluY|SINE	-4225	NR_149078	1.06E+08	Hs.579870	NR_149078	ENSG0000C	FARSA-AS1	-	FARSA ant	ncRNA
chr19-153	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	15391754	15398947	+	0	NA	intron (N	intron (N	-15563	NM_005858	10270	Hs.594496	NM_005858	ENSG0000C	AKAP8	AKAP 95|A	A-kinase	protein-coding

chr19-171	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	17152131	17157867	+	0	NA	intron (N	AluJo|SIN	-60358	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-184	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	18448600	18451503	+	0	NA	intron (N	intron (N	-11918	NR_045574	51477	Hs.405873	NM_016368	ENSG00000	ISYNA1	INO1|INOS	inositol-	protein-coding
chr19-373	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	37362197	37364838	+	0	NA	exon (NM_	exon (NM_	-7582	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr19-490	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr19	49089826	49095039	+	0	NA	intron (N	AluSx|SIN	6981	NM_001301	6625	Hs.467097	NM_003089	ENSG00000	SNRNP70	RNPU1Z|RF	small nuc	protein-coding
chr2-1119	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	11199289	11203140	+	0	NA	intron (N	L2a|LINE|	45747	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-3886	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	38860197	38862239	+	0	NA	exon (NM_	exon (NM_	14716	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr2-5462	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	54621158	54625102	+	0	NA	intron (N	intron (N	64736	NM_178313	6711	Hs.503178	NM_003128	ENSG00000	SPTBN1	ELF|HEL10	spectrin	protein-coding
chr2-6284	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	62846124	62846376	+	0	NA	intron (N	intron (N	139353	NM_001354	23301	Hs.271667	NM_015252	ENSG00000	EHBP1	HPC12|NAC	EH domair	protein-coding
chr2-1718	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	57458	NM_003705	8604	Hs.470608	NM_003705	ENSG00000	SLC25A12	AGC1|ARAL	solute ca	protein-coding
chr2-2244	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	MER5A|DNA	-75081	NM_001122	79843	Hs.147585	NM_024785	ENSG00000	FAM124B	-	family wi	protein-coding
chr2-2332	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	L1MD|LINE	-10480	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Ca	ncRNA
chr21-323	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr21	32343241	32349268	+	0	NA	intron (N	MSTB1|LTR	31068	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNC	small nuc	snoRNA
chr21-436	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr21	43675334	43675533	+	0	NA	intron (N	intron (N	15873	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr22-402	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr22	40279745	40280408	+	0	NA	exon (NM_	exon (NM_	-66424	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr22-413	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr22	41321114	41330977	+	0	NA	intron (N	intron (N	-23676	NM_001317	5905	Hs.183800	NM_002883	ENSG00000	RANGAP1	Fug1|RANC	Ran GTPas	protein-coding
chr3-4859	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr3	48599178	48605796	+	0	NA	intron (N	intron (N	2663	NR_132776	1.07E+08		NR_132776		SNORA94	-	small nuc	snoRNA
chr3-4932	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr3	49320787	49332753	+	0	NA	intron (N	AluSc|SIN	13283	NM_001251	7375	Hs.77500	NM_003363	ENSG00000	USP4	UNP|Unph	ubiquitir	protein-coding
chr3-1138	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-31855	NM_017577	54762	Hs.24583	NM_017577	ENSG00000	GRAMD1C	-	GRAM doma	protein-coding
chr3-1977	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-28283	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr4-7564	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr4	75644969	75650837	+	0	NA	intron (N	intron (N	-17375	NM_001330	8999	Hs.591698	NM_003948	ENSG00000	CDKL2	KKIAMRE|F	cyclin de	protein-coding
chr5-1797	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-24497	NM_145867	4056	Hs.706741	NM_145867	ENSG00000	LTC4S	-	leukotrie	protein-coding
chr6-1006	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	Tigger1|D	-173878	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr6-1121	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSz6|SI	49042	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr6-1437	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	79712	NM_001100	9749	Hs.102471	NM_014721	ENSG00000	PHACTR2	C6orf56	phosphata	protein-coding
chr6-1496	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-20287	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr7-6036	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr7	6036924	6049781	+	0	NA	intron (N	FLAM_C|SI	11976	NM_001271	1E+08	Hs.744468	NM_001271	ENSG00000	ANKRD61	-	ankyrin r	protein-coding
chr7-1008	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MC5a|LI	-15977	NM_001363	56996	Hs.521087	NM_020246	ENSG00000	SLC12A9	CCC6|CIP1	solute ca	protein-coding
chr7-1286	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluSz|SIN	-9020	NR_024368	402483	Hs.722350	NM_001039682		LINC0100	-	long inte	ncRNA
chr7-1405	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	45573	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr8-1983	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr8	19830309	19837679	+	0	NA	intron (N	AluSx1|SI	16578	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integratc	protein-coding
chr8-2384	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr8	23842578	23847164	+	0	NA	exon (NM_	exon (NM_	9935	NM_003155	6781	Hs.25590	NM_003155	ENSG00000	STC1	STC	stannioca	protein-coding
chr8-3069	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr8	30690236	30693014	+	0	NA	intron (N	AluSz|SIN	-33389	NM_002095	2961	Hs.77100	NM_002095	ENSG00000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr8-3895	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr8	38952026	38959555	+	0	NA	intron (N	intron (N	-18438	NM_153692	203100	Hs.661014	NM_153692	ENSG00000	HTRA4	-	HtrA seri	protein-coding
chr9-3346	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr9	33462982	33472131	+	0	NA	TTS (NR_1	TTS (NR_1	379	NR_106910	1.02E+08		NR_106910	ENSG00000	MIR6851	hsa-mir-6	microRNA	ncRNA
chr9-8633	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr9	86335544	86340810	+	0	NA	intron (N	intron (N	16233	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr9-1122	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	Intergeni	MER31B|LT	-34257	NM_001282	64420	Hs.494827	NM_022486	ENSG00000	SUSD1	-	sushi dom	protein-coding
chr9-1314	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MIRb|SINE	-7371	NR_003050	692093		NR_003050	ENSG00000	SNORD62B	U62|U62B	small nuc	snoRNA
chr9-1314	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	TTS (NR_(	TTS (NR_(	219	NR_002914	26786		NR_002914	ENSG00000	SNORD62A	RNU62|U62	small nuc	snoRNA
chrX-5319	8.921751	0.206071	0.777117	0.265174	0.790875	0.981636	chrX	53193063	53202084	+	0	NA	intron (N	intron (N	1372	NR_106954	1.02E+08		NR_106954	ENSG00000	MIR6894	hsa-mir-6	microRNA	ncRNA
chr1-4564	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr1	45649865	45660847	+	0	NA	intron (N	intron (N	-8671	NR_026768	728963	Hs.675157	NR_026768		RPS15AP1	RPS15A_4_	ribosomal	pseudo
chr1-2024	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluY|SINE	-12987	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr10-157	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr10	15778824	15779127	+	0	NA	3’ UTR (N	3’ UTR (N	-58640	NM_001291	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr10-119	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	(GAAA)n|S	6274	NR_136663	7073	Hs.501203	NM_003252	ENSG00000	TIAL1	TCBP|TIAF	TIA1 cytc	protein-coding
chr11-330	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr11	33043566	33046643	+	0	NA	intron (N	AluJb|SIN	5089	NM_001145	55346	Hs.655341	NM_018393	ENSG00000	TCP11L1	dJ85M6.3	t-complex	protein-coding
chr11-478	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr11	47800032	47802168	+	0	NA	intron (N	L2a|LINE|	-33759	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-596	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr11	59603866	59610647	+	0	NA	intron (N	intron (N	8518	NM_002556	5007	Hs.597091	NM_002556	ENSG00000	OSBP	OSBP1	oxysterol	protein-coding
chr11-868	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr11	86807549	86809181	+	0	NA	exon (NM_	exon (NM_	7823	NM_001293	11098	Hs.25338	NM_007173	ENSG00000	PRSS23	SIG13|SPU	serine pr	protein-coding
chr12-504	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr12	50427991	50429931	+	0	NA	exon (NM_	exon (NM_	27554	NM_001352	113251	Hs.26613	NM_052879	ENSG00000	LARP4	PP13296	La ribonu	protein-coding
chr12-111	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	77866	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr13-369	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr13	36964372	36964823	+	0	NA	intron (N	L2a|LINE|	34743	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr14-498	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr14	49809590	49820871	+	0	NA	intron (N	intron (N	37558	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr14-731	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr14	73170996	73172592	+	0	NA	intron (N	LTR10F|LT	35287	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr15-648	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr15	64857336	64862696	+	0	NA	intron (N	intron (N	18101	NM_025201	80301	Hs.709337	NM_025201	ENSG00000	PLEKHO2	PLEKHQ1|F	pleckstri	protein-coding
chr15-756	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr15	75613300	75620495	+	0	NA	intron (N	intron (N	8828	NM_005701	10073	Hs.21577	NM_005701	ENSG00000	SNUPN	KPNBL|RNU	snurporti	protein-coding
chr15-771	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr15	77132826	77133892	+	0	NA	exon (NM_	exon (NM_	-62250	NM_198902	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspar	protein-coding
chr16-719	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr16	71928010	71928410	+	0	NA	3’ UTR (N	3’ UTR (N	32679	NM_001270	9798	Hs.232194	NM_014761	ENSG00000	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr17-286	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr17	28640169	28642594	+	0	NA	intron (N	AluSc8|SI	3777	NM_001321	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr17-788	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr17	78810057	78821818	+	0	NA	intron (N	(AC)n|Sim	24590	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitir	protein-coding
chr17-803	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr17	80316697	80324038	+	0	NA	3’ UTR (N	3’ UTR (N	59515	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr19-101	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr19	1010297	1012622	+	0	NA	exon (NM_	exon (NM_	9664	NM_033420	91304	Hs.515003	NM_033420	ENSG00000	TMEM259	ASBABP1|C	transmemb	protein-coding
chr19-183	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr19	18388094	18390172	+	0	NA	TTS (NM_(	TTS (NM_(	2571	NR_036156	1E+08		NR_036156	ENSG00000	MIR3189	mir-3189	microRNA	ncRNA
chr19-197	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr19	19788021	19808093	+	0	NA	intron (N	L1MB2|LIN	21483	NM_001355	7608		NM_001355194		ZNF56	ZNF742	zinc fing	protein-coding
chr19-523	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr19	52300400	52310377	+	0	NA	intron (N	HERVK9-ir	8219	NM_001297	147657	Hs.729317	NM_144684	ENSG00000	ZNF480	-	zinc fing	protein-coding
chr2-1632	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr2	1632457	1636245	+	0	NA	intron (N	intron (N	110164	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-2703	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr2	27034363	27041480	+	0	NA	intron (N	intron (N	4956	NM_001083	54867	Hs.533934	NM_017727	ENSG00000	TMEM214	-	transmemb	protein-coding
chr2-5464	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr2	54642830	54650541	+	0	NA	intron (N	intron (N	-78327	NM_001039	400954	Hs.656692	NM_001039	ENSG00000	EML6	-	EMAP like	protein-coding
chr2-1018	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	(CATACA)r	-127218	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127-	-	long inte	ncRNA
chr21-392	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr21	39292075	39297312	+	0	NA	intron (N	intron (N	18939	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr21-462	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr21	46233652	46237168	+	0	NA	exon (NM_	exon (NM_	6179	NR_110565	114044	Hs.655095	NR_002776	ENSG00000	MCM3AP-AS	C21orf85|	MCM3AP ar	ncRNA
chr22-362	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr22	36227649	36234696	+	0	NA	intron (N	intron (N	8355	NM_030882	23780	Hs.474740	NM_030882	ENSG00000	APOL2	APOL-II|A	apolipopr	protein-coding
chr3-1194	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	27774	NR_073506	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr4-8673	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr4	86738928	86741756	+	0	NA	intron (N	THE1B-int	109042	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-8803	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr4	88038306	88040217	+	0	NA	intron (N	intron (N	31626	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr5-1391	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr5	13918316	13921065	+	0	NA	intron (N	L1MA4A|LI	24790	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-7534	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr5	75349812	75353674	+	0	NA	intron (N	MIRb|SINE	14523	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr5-1346	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MC5a|LI	38570	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr5-1505	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	MER45A|DN	24367	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding
chr6-1495	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	Tigger1|D	9210	NM_139126	85313	Hs.744238	NM_139126	ENSG00000	PPIL4	HDCME13P	peptidylp	protein-coding
chr6-1705	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (N	L2b|LINE|	14239	NM_001199	5134	Hs.367900	NM_002598	ENSG00000	PDCD2	RP8|ZMYND	programme	protein-coding
chr7-9392	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr7	93926422	93927079	+	0	NA	3’ UTR (N	3’ UTR (N	5015	NM_004126	2791	Hs.83381	NM_004126	ENSG00000	GNG11	GNGT11	G proteir	protein-coding
chr7-1572	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	MER2|DNA|	-80182	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-2543	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr8	25431620	25440515	+	0	NA	intron (N	intron (N	-11027	NM_000825	2796	Hs.82963	NM_000825	ENSG00000	GNRH1	GNRH|GRH|	gonadotrc	protein-coding
chr8-3881	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr8	38819850	38821479	+	0	NA	intron (N	intron (N	15214	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr9-1253	9.426197	0.200849	0.757458	0.265162	0.790885	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	L1M4|LINE	53468	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr1-2643	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr1	26433847	26434987	+	0	NA	intron (N	intron (N	2096	NM_205861	79947	Hs.369385	NM_024887	ENSG00000	DHDDS	CIT|CPT|D	dehydrodc	protein-coding
chr13-453	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr13	45391082	45391325	+	0	NA	non-codir	non-codir	-26959	NR_047031	1.01E+08	Hs.658038	NR_047031	ENSG00000	SLC25A30-	-	SLC25A30	ncRNA
chr13-771	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr13	77157129	77157343	+	0	NA	intron (N	AluSc8|SI	81722	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr15-504	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr15	50484051	50484947	+	0	NA	intron (N	intron (N	60094	NM_001128	9101	Hs.443731	NM_005154	ENSG00000	USP8	HumORF8|F	ubiquitir	protein-coding
chr16-682	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr16	68289134	68289620	+	0	NA	intron (N	intron (N	21569	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr20-344	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr20	34455115	34455938	+	0	NA	intron (N	AluSx|SIN	-10799	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr3-1082	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	Tigger2a|	9254	NM_018010	55081	Hs.412196	NM_018010	ENSG00000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr9-1002	7.683518	-0.2226	0.840036	-0.26499	0.791018	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	L1MDa|LIN	67319	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chr12-250	13.33936	-0.1723	0.650255	-0.26498	0.791028	0.981636	chr12	25057	25795	+	0	NA	intron (N	intron (N	6589	NR_130745	1E+08	Hs.459573	NR_130745	ENSG00000	WASH8P	-	WAS prote	pseudo
chr16-849	13.33936	-0.1723	0.650255	-0.26498	0.791028	0.981636	chr16	84993962	84994633	+	0	NA	intron (N	intron (N	17238	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SEF	zinc fing	protein-coding
chr14-520	9.930643	0.196178	0.740757	0.264834	0.791138	0.981636	chr14	52017031	52022885	+	0	NA	intron (N	intron (N	30412	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr15-631	9.930643	0.196178	0.740757	0.264834	0.791138	0.981636	chr15	63148604	63156546	+	0	NA	3’ UTR (N	3’ UTR (N	4902	NM_015920	51065	Hs.108957	NM_015920	ENSG00000	RPS27L	-	ribosomal	protein-coding
chr21-371	9.930643	0.196178	0.740757	0.264834	0.791138	0.981636	chr21	37150099	37150894	+	0	NA	intron (N	intron (N	43430	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr4-7102	9.930643	0.196178	0.740757	0.264834	0.791138	0.981636	chr4	71029	73187	+	0	NA	intron (N	MIRb|SINE	18787	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr5-5307	9.930643	0.196178	0.740757	0.264834	0.791138	0.981636	chr5	53074120	53081105	+	0	NA	intron (N	intron (N	32145	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr1-1630	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr1	16302139	16305914	+	0	NA	intron (N	AluY|SINE	48454	NM_018994	54455	Hs.522384	NM_018994	ENSG00000	FBXO42	Fbx42|JFK	F-box prc	protein-coding
chr1-2184	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr1	21842529	21862160	+	0	NA	intron (N	intron (N	40079	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr1-5387	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr1	53870214	53871665	+	0	NA	intron (N	AluJb|SIN	18858	NR_036640	54432	Hs.11923	NM_018982	ENSG00000	YIPF1	DJ167A19.	Yip1 doma	protein-coding
chr1-9389	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr1	93898606	93903556	+	0	NA	intron (N	L2c|LINE|	8349	NM_002061	2730	Hs.315562	NM_002061	ENSG00000	GCLM	GLCLR	glutamate	protein-coding
chr1-2431	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	MER58A|DN	-35334	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347-	-	long inte	ncRNA
chr10-875	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr10	87542012	87543156	+	0	NA	intron (N	AluJb|SIN	34751	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr11-434	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr11	43442695	43446548	+	0	NA	intron (N	intron (N	85701	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-116	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-29769	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr12-535	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr12	53532061	53537727	+	0	NA	intron (N	intron (N	20910	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-559	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr12	55937026	55939262	+	0	NA	intron (N	intron (N	2136	NM_001351	1606	Hs.524488	NM_001345	ENSG00000	DGKA	DAGK|DAGK	diacylgly	protein-coding
chr12-101	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	21439	NM_018370	55332	Hs.525634	NM_018370	ENSG00000	DRAM1	DRAM	DNA damag	protein-coding
chr12-131	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	55891	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr13-370	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr13	37027704	37029360	+	0	NA	intron (N	intron (N	27746	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr14-104	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	13720	NM_022489	64423	Hs.24956	NM_022489	ENSG00000	INF2	C14orf151	inverted	protein-coding
chr15-888	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr15	88898106	88909136	+	0	NA	intron (N	AluSx1|SI	-8077	NM_001307	145864	Hs.447530	NM_178232	ENSG00000	HAPLN3	EXLD1|HsT	hyalurona	protein-coding
chr16-289	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr16	28986405	28988470	+	0	NA	intron (N	HAL1ME|LI	2385	NM_014387	27040	Hs.632179	NM_014387	ENSG00000	LAT	IMD52|LAT	linker fc	protein-coding
chr17-171	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	17171871	17181440	+	0	NA	intron (N	intron (N	29678	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-402	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	40260323	40263071	+	0	NA	intron (N	AluYc|SIN	-26182	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr17-490	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	49037506	49038466	+	0	NA	intron (N	intron (N	40601	NM_001160	10642	Hs.144936	NM_006546	ENSG00000	IGF2BP1	CRD-BP|CF	insulin l	protein-coding
chr17-602	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	60206729	60206987	+	0	NA	intron (N	MIRb|SINE	24787	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr17-760	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	76095946	76101950	+	0	NA	promoter-	promoter-	-872	NR_106928	1.02E+08		NR_106928	ENSG00000	MIR6868	hsa-mir-6	microRNA	ncRNA
chr17-771	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	77198175	77207803	+	0	NA	intron (N	intron (N	17776	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr17-774	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr17	77488910	77494718	+	0	NA	intron (N	AluSx1|SI	16571	NM_001113	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr19-152	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr19	15253330	15259352	+	0	NA	intron (N	intron (N	-23294	NM_001142	79852	Hs.156457	NM_024794	ENSG00000	EPHX3	ABHD9|EH3	epoxide h	protein-coding

chr19-188	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr19	18850228	18859248	+	0	NA	intron (N	intron (N	22779	NM_001297	5976	Hs.515266	NM_002911	ENSG00000	UPF1	HUPF1|NOR	UPF1 RNA	protein-coding
chr19-534	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr19	53478325	53480956	+	0	NA	intron (N	intron (N	11907	NM_001004	126017	Hs.710780	NM_001004	ENSG00000	ZNF813	-	zinc fing	protein-coding
chr2-2677	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr2	26774584	26782720	+	0	NA	3’ UTR (N	3’ UTR (N	-7363	NM_001042	1058	Hs.1594	NM_001809	ENSG00000	CENPA	CENP-A|Ce	centromer	protein-coding
chr2-2766	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr2	27667344	27672049	+	0	NA	intron (N	intron (N	-5856	NM_001282	9913	Hs.6232	NM_014860	ENSG00000	SUPT7L	SPT7L|STA	SPT7 like	protein-coding
chr2-2164	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	20880	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr20-324	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr20	32428126	32431054	+	0	NA	intron (N	intron (N	53900	NM_001351	140688	Hs.516978	NM_080616	ENSG00000	NOL4L	C20orf112	nucleolar	protein-coding
chr20-414	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr20	41487265	41490277	+	0	NA	intron (N	intron (N	-121953	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr22-408	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr22	40885317	40888398	+	0	NA	intron (N	intron (N	-24744	NM_145174	150353	Hs.585042	NM_145174	ENSG00000	DNAJB7	DJ5|HSC3	DnaJ heat	protein-coding
chr3-9987	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr3	99872135	99873131	+	0	NA	intron (N	intron (N	3540	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr3-1976	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-6080	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|M	microRNA	ncRNA
chr4-1758	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr4	17586551	17590009	+	0	NA	intron (N	AluJb|SIN	10976	NM_015907	51056	Hs.570791	NM_015907	ENSG00000	LAP3	HEL-S-106	leucine a	protein-coding
chr4-5589	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr4	55897265	55898392	+	0	NA	intron (N	AluSz|SIN	44178	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr5-1769	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-7059	NM_002115	3101	Hs.411695	NM_002115	ENSG00000	HK3	HKIII|HXK	hexokinas	protein-coding
chr7-9901	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr7	99014964	99016241	+	0	NA	intron (N	L1MB3|LIN	2437	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-3819	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr8	38192974	38194019	+	0	NA	intron (N	L1ME3Cz|L	16641	NM_001204	9530	Hs.194726	NM_004874	ENSG00000	BAG4	BAG-4|SOD	BCL2 asso	protein-coding
chr8-1245	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13441	NM_005005	4715	Hs.15977	NM_005005	ENSG00000	NDUFB9	B22|CI-B2	NADH:ubiq	protein-coding
chr9-1015	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	24097	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr9-1337	8.417305	0.211917	0.800365	0.264775	0.791183	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	L1PA5|LIN	-26283	NM_007101	1757	Hs.198003	NM_007101	ENSG00000	SARDH	BPR-2|DMG	sarcosine	protein-coding
chr8-3896	8.57315	-0.21349	0.806442	-0.26473	0.79122	0.981636	chr8	38961379	38961638	+	0	NA	intron (N	AluSx|SIN	-12720	NM_153692	203100	Hs.661014	NM_153692	ENSG00000	HTRA4	-	HtrA seri	protein-coding
chr9-1299	8.57315	-0.21349	0.806442	-0.26473	0.79122	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	72877	NR_106914	1.02E+08		NR_106914	ENSG00000	MIR6855	hsa-mir-6	microRNA	ncRNA
chr7-9245	10.47623	0.193413	0.731147	0.264533	0.791369	0.981636	chr7	92454335	92454993	+	0	NA	non-codin	non-codin	7182	NR_052016	57798	Hs.21145	NM_021167	ENSG00000	GATAD1	CMD2B|ODA	GATA zinc	protein-coding
chr1-1760	9.971783	0.197642	0.747188	0.264515	0.791383	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1M5|LINE	-112137	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Caj	ncRNA
chr18-541	9.971783	0.197642	0.747188	0.264515	0.791383	0.981636	chr18	54187625	54188245	+	0	NA	intron (N	intron (N	34477	NR_002970	677819	Hs.655869	NR_002970	ENSG00000	SNORA37	ACA37	small nuc	snoRNA
chr6-3744	9.971783	0.197642	0.747188	0.264515	0.791383	0.981636	chr6	37444018	37446882	+	0	NA	intron (N	intron (N	12229	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr1-2308	7.441695	0.229529	0.868178	0.26438	0.791487	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	AluYa5|SI	9013	NM_001136	84886	Hs.520494	NM_032800	ENSG00000	C1orf198	-	chromosom	protein-coding
chr15-793	7.441695	0.229529	0.868178	0.26438	0.791487	0.981636	chr15	79322190	79323503	+	0	NA	TTS (NR_1	TTS (NR_1	11734	NM_001301	23423	Hs.71608	NM_007364	ENSG00000	TMED3	C15orf22|	transmemb	protein-coding
chr2-2523	7.441695	0.229529	0.868178	0.26438	0.791487	0.981636	chr2	25234572	25234907	+	0	NA	intron (N	intron (N	17392	NM_001320	1788	Hs.515840	NM_022552	ENSG00000	DNMT3A	DNMT3A2|M	DNA methy	protein-coding
chr3-1556	9.467337	0.202351	0.766064	0.264143	0.791669	0.981636	chr3	15567636	15568367	+	0	NA	exon (NM_	exon (NM_	-33351	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding
chr1-1453	12.4243	-0.1784	0.675546	-0.26408	0.791718	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	L1PA4|LIN	8499	NM_001278	1E+08	Hs.445080	NM_001278	ENSG00000	NBPF20	-	NBPF memb	protein-coding
chr12-327	7.22992	-0.2321	0.879052	-0.26403	0.791753	0.981636	chr12	32743437	32743924	+	0	NA	3’ UTR (N	3’ UTR (N	12217	NM_001040	51067	Hs.505231	NM_015936	ENSG00000	YARS2	CGI-04|MI	tyrosyl-t	protein-coding
chr1-1089	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-18003	NM_015127	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr11-251	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr11	251696	253219	+	0	NA	intron (N	intron (N	15481	NM_002817	5719	Hs.134688	NM_002817	ENSG00000	PSMD13	HSPC027|F	proteasom	protein-coding
chr11-655	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr11	65550142	65550927	+	0	NA	intron (N	intron (N	7694	NM_021070	4054	Hs.289019	NM_021070	ENSG00000	LTBP3	DASS|GPHY	latent tr	protein-coding
chr13-368	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr13	36865420	36866230	+	0	NA	intron (N	intron (N	46623	NM_000538	5994	Hs.24422	NM_000538	ENSG00000	RFXAP	-	regulator	protein-coding
chr15-637	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr15	63774444	63775100	+	0	NA	exon (NM_	exon (NM_	59176	NM_003922	8925	Hs.210385	NM_003922	ENSG00000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr16-532	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr16	53243411	53243943	+	0	NA	intron (N	intron (N	35226	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr19-320	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr19	320861	322381	+	0	NA	intron (N	AluSx1|SI	23220	NM_001346	54531	Hs.101891	NM_017550	ENSG00000	MIER2	KIAA1193|	MIER fami	protein-coding
chr2-4654	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr2	46544882	46545663	+	0	NA	intron (N	intron (N	-2695	NM_001318	90423	Hs.437691	NM_080653	ENSG00000	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr2-9859	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr2	98594770	98595110	+	0	NA	TTS (NM_0	TTS (NM_0	13572	NM_001008	493753	Hs.596537	NM_001008	ENSG00000	COA5	6330578E1	cytochrom	protein-coding
chr20-628	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr20	62807386	62813575	+	0	NA	intron (N	intron (N	-4893	NR_102430	1.01E+08	Hs.593952	NR_102430	ENSG00000	OGFR-AS1	-	OGFR anti	ncRNA
chr22-467	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr22	46705404	46706478	+	0	NA	intron (N	AluJb|SIN	32311	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59H	ceramide	protein-coding
chr3-1856	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	L1ME3A|LI	15155	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr4-6710	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr4	671080	672515	+	0	NA	TTS (NM_0	TTS (NM_0	2479	NR_033743	521	Hs.85539	NM_007100	ENSG00000	ATP5ME	ATP5I|ATF	ATP synth	protein-coding
chr4-5624	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr4	5624237	5625454	+	0	NA	intron (N	intron (N	83714	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr5-1544	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	non-codin	non-codin	11019	NR_024084	79685	Hs.592566	NM_024632	ENSG00000	SAP30L	NS4ATP2	SAP30 lik	protein-coding
chr6-3178	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr6	31780984	31783001	+	0	NA	intron (N	intron (N	-4664	NM_025258	80737	Hs.558553	NM_025258	ENSG00000	VWA7	C6orf27|G	von Wille	protein-coding
chr7-7554	7.912859	0.218467	0.828057	0.263831	0.79191	0.981636	chr7	75543643	75545486	+	0	NA	intron (N	intron (N	-16441	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr15-620	8.606432	-0.20935	0.794458	-0.26352	0.792151	0.981636	chr15	62039788	62041734	+	0	NA	intron (N	intron (N	19686	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr17-789	8.606432	-0.20935	0.794458	-0.26352	0.792151	0.981636	chr17	7890806	7892429	+	0	NA	intron (N	AluSx|SIN	2766	NM_001005	1107	Hs.25601	NM_005852	ENSG00000	CHD3	Mi-2a|Mi2	chromodom	protein-coding
chr17-783	8.606432	-0.20935	0.794458	-0.26352	0.792151	0.981636	chr17	78380955	78381225	+	0	NA	intron (N	AluSg|SIN	2441	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr7-1573	8.606432	-0.20935	0.794458	-0.26352	0.792151	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	53268	NM_058246	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-1408	8.103835	-0.2181	0.827848	-0.26345	0.792205	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	(ATA)n|Si	-69034	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr17-620	8.962891	0.207595	0.788389	0.263315	0.792308	0.981636	chr17	62012468	62013184	+	0	NA	intron (N	AluSc|SIN	52452	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr11-668	7.088935	-0.24943	0.947286	-0.26331	0.792309	0.981636	chr11	66845901	66846124	+	0	NA	exon (NM_	exon (NM_	2571	NM_001032	9986	Hs.654972	NM_005133	ENSG00000	RCE1	FACE2|RCE	Ras conve	protein-coding
chr2-1135	12.41645	-0.1773	0.673571	-0.26322	0.792377	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	L2b|LINE|	5367	NR_024077	375260	Hs.446466	NM_198943	ENSG00000	WASH2P	FAM39B	WASP fami	pseudo
chr2-4782	7.642379	-0.2251	0.855426	-0.26315	0.792438	0.981636	chr2	47824172	47824568	+	0	NA	intron (N	AluJb|SIN	40415	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTMB	mutS homo	protein-coding
chr3-4768	7.642379	-0.2251	0.855426	-0.26315	0.792438	0.981636	chr3	47685543	47686067	+	0	NA	intron (N	AluSg4|SI	-24111	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr2-1831	3.957632	-0.30306	1.152215	-0.26302	0.792533	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	THE1A-int	29983	NM_138285	129401	Hs.180591	NM_138285	ENSG00000	NUP35	MP-44|MP4	nucleopor	protein-coding
chr3-1325	3.957632	-0.30306	1.152215	-0.26302	0.792533	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA14|LI	-6551	NM_016557	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr4-4854	7.609097	-0.22957	0.872955	-0.26298	0.792569	0.981636	chr4	48542414	48542658	+	0	NA	intron (N	AluSx|SIN	52284	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr11-771	6.391663	0.246189	0.936875	0.262776	0.792723	0.981636	chr11	77120134	77120842	+	0	NA	intron (N	L1MB8|LIN	-7758	NM_001127	4647	Hs.370421	NM_000260	ENSG00000	MYO7A	DFNA11|DF	myosin VI	protein-coding
chr10-271	8.193973	-0.21473	0.817181	-0.26277	0.79273	0.981636	chr10	27125258	27127794	+	0	NA	intron (N	intron (N	-26028	NM_014915	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr21-338	8.193973	-0.21473	0.817181	-0.26277	0.79273	0.981636	chr21	33829061	33830822	+	0	NA	intron (N	intron (N	85863	NM_001697	539	Hs.409140	NM_001697	ENSG00000	ATP5PO	ATP5O|ATF	ATP synth	protein-coding
chr1-3935	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr1	39356504	39360353	+	0	NA	intron (N	intron (N	-50645	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr15-656	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr15	65689386	65692158	+	0	NA	exon (NM_	exon (NM_	6164	NR_145750	1.1E+08		NR_145750	ENSG00000	SNORD13E	-	small nuc	snoRNA
chr19-168	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr19	16846489	16848082	+	0	NA	intron (N	intron (N	-15989	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 tran	protein-coding
chr2-4634	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr2	46346756	46354919	+	0	NA	intron (N	intron (N	43330	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA
chr3-1860	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	33199	NM_004454	2119	Hs.43697	NM_004454	ENSG00000	ETV5	ERM	ETS varia	protein-coding
chr6-7181	9.938501	0.194689	0.740957	0.262753	0.792741	0.981636	chr6	7181380	7182526	+	0	NA	exon (NM_	exon (NM_	73992	NM_001003	6239	Hs.298248	NM_002955	ENSG00000	RREB1	FINB|HNT|	ras respo	protein-coding
chr19-109	10.44295	0.190558	0.725412	0.26269	0.79279	0.981636	chr19	10996179	10996713	+	0	NA	intron (N	intron (N	12294	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr7-6671	10.44295	0.190558	0.725412	0.26269	0.79279	0.981636	chr7	66712452	66714701	+	0	NA	intron (N	L1MD2|LIN	-27157	NM_001367	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr6-4424	13.32364	-0.1702	0.648229	-0.26256	0.792887	0.981636	chr6	44248650	44255365	+	0	NA	exon (NM_	exon (NM_	2278	NR_039790	1.01E+08		NR_039790	ENSG00000	MIR4647	mir-4647	microRNA	ncRNA
chr1-1557	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	promoter-	promoter-	-513	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr1-2017	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-2013	NR_049823	1.01E+08		NR_049823	ENSG00000	MIR5191	-	microRNA	ncRNA
chr10-119	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSc|SIN	17511	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr11-576	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr11	57682375	57697317	+	0	NA	intron (N	intron (N	21732	NM_015457	25921	Hs.27239	NM_015457	ENSG00000	ZDHHC5	DHHC5|ZNF	zinc fing	protein-coding
chr11-112	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	Intergeni	Intergeni	10090	NM_000317	5805	Hs.503860	NM_000317	ENSG00000	PTS	PTPS	6-pyruvoy	protein-coding
chr12-121	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	20999	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr15-414	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr15	41439532	41442283	+	0	NA	intron (N	intron (N	23803	NM_015138	23168	Hs.511096	NM_015138	ENSG00000	RTF1	GTL7|KIAA	RTF1 homo	protein-coding
chr15-718	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr15	71821488	71828114	+	0	NA	3’ UTR (N	3’ UTR (N	14247	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr15-749	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr15	74904004	74904984	+	0	NA	intron (N	intron (N	2357	NR_135843	57184	Hs.367690	NM_020447	ENSG00000	FAM219B	C15orf17	family wi	protein-coding
chr16-188	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr16	18828998	18839883	+	0	NA	intron (N	intron (N	-32891	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-717	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr16	71743434	71750700	+	0	NA	intron (N	intron (N	11420	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr17-156	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr17	15676639	15677797	+	0	NA	5’ UTR (N	5’ UTR (N	5733	NM_006470	10626	Hs.123534	NM_006470	ENSG00000	TRIM16	EBBP	tripartit	protein-coding
chr17-182	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr17	18250641	18256632	+	0	NA	exon (NM_	exon (NM_	5102	NM_002018	2314	Hs.513984	NM_002018	ENSG00000	FLII	FLI|FLIL|	FLII acti	protein-coding
chr19-527	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr19	52765908	52769742	+	0	NA	intron (N	intron (N	18966	NM_001321	162966	Hs.696848	NM_198457	ENSG00000	ZNF600	KR-ZNF1	zinc fing	protein-coding
chr2-6907	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr2	69074805	69079880	+	0	NA	intron (N	intron (N	-26340	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-7437	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr2	74375812	74378100	+	0	NA	intron (N	intron (N	-2221	NM_001135	1639	Hs.516111	NM_004082	ENSG00000	DCTN1	DAP-150|D	dynactin	protein-coding
chr22-353	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr22	35385844	35388615	+	0	NA	intron (N	intron (N	6133	NM_002133	3162	Hs.517581	NM_002133	ENSG00000	HMOX1	HMOX1D|HO	heme oxyg	protein-coding
chr3-1030	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr3	10301950	10305188	+	0	NA	intron (N	intron (N	-10622	NM_001134	51738	Hs.590080	NM_016362	ENSG00000	GHRL	MTLRP	ghrelin a	protein-coding
chr3-5812	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr3	58124286	58127196	+	0	NA	exon (NM_	exon (NM_	44894	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr5-4354	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr5	43545137	43547863	+	0	NA	intron (N	intron (N	10577	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr5-6567	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr5	65679051	65680780	+	0	NA	intron (N	L1PA11|LI	42194	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr5-7219	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr5	72193596	72194964	+	0	NA	exon (NM_	exon (NM_	14493	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr7-7487	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr7	74877971	74884973	+	0	NA	TTS (NR_0	TTS (NR_0	9140	NR_040584	442582	Hs.632310	NM_001025202		STAG3L2	STAG3L1|S	stromal a	pseudo
chr7-9894	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr7	98947681	98950996	+	0	NA	intron (N	intron (N	-63827	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1006	9.434055	0.199285	0.7592	0.262494	0.792941	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	TTS (NM_0	TTS (NM_0	5124	NM_005273	2783	Hs.185172	NM_005273	ENSG00000	GNB2	-	G protein	protein-coding
chr10-619	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr10	61907780	61910726	+	0	NA	intron (N	intron (N	7554	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-193	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr12	19370032	19372157	+	0	NA	3’ UTR (N	3’ UTR (N	-68398	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr12-109	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1P4|LINE	9285	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr14-214	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr14	21418452	21419096	+	0	NA	intron (N	AluY|SINE	18501	NM_020920	57680	Hs.530698	NM_020920	ENSG00000	CHD8	AUTS18|HE	chromodom	protein-coding
chr14-761	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr14	76159373	76160561	+	0	NA	intron (N	AluY|SINE	5613	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch d	protein-coding
chr16-236	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr16	23664986	23667532	+	0	NA	intron (N	L1MEd|LIN	-12630	NM_005030	5347	Hs.592049	NM_005030	ENSG00000	PLK1	PLK|STPK1	polo like	protein-coding
chr2-1714	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-24174	NM_024770	79828	Hs.135146	NM_024770	ENSG00000	METTL8	TIP	methyltra	protein-coding
chr20-322	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr20	32222243	32224726	+	0	NA	intron (N	intron (N	-14311	NR_031726	1E+08		NR_031726	ENSG00000	MIR1825	MIRN1825|	microRNA	ncRNA
chr4-1325	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr4	1325190	1326518	+	0	NA	intron (N	intron (N	16063	NM_001297	10296	Hs.139896	NM_005882	ENSG00000	MAEA	EMLP|EMP|	macrophag	protein-coding
chr6-4440	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr6	44404064	44411207	+	0	NA	intron (N	intron (N	19929	NM_001253	988	Hs.485471	NM_001253	ENSG00000	CDC5L	CDC5|CDC5	cell divi	protein-coding
chr8-3056	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr8	30565944	30568121	+	0	NA	intron (N	intron (N	-71548	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-4302	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr8	43020452	43021419	+	0	NA	3’ UTR (N	3’ UTR (N	-35364	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-9764	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr9	97643379	97644260	+	0	NA	intron (N	L2c|LINE|	9998	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCB	nuclear c	protein-coding
chr9-1344	8.186115	-0.2131	0.812155	-0.26239	0.793024	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	27675	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr1-5386	7.408413	0.225814	0.861384	0.262153	0.793204	0.981636	chr1	53866406	53867950	+	0	NA	intron (N	intron (N	22619	NR_036640	54432	Hs.11923	NM_018982	ENSG00000	YIPF1	DJ167A19.	Yip1 doma	protein-coding
chr10-120	7.408413	0.225814	0.861384	0.262153	0.793204	0.981636	chr10	12006615	12006998	+	0	NA	intron (N	MER21B|LT	36003	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr16-235	7.408413	0.225814	0.861384	0.262153	0.793204	0.981636	chr16	23533763	23535290	+	0	NA	intron (N	MIRb|SINE	22824	NM_001083	124454	Hs.620541	NM_001083	ENSG00000	EARS2	COXPD12|M	glutamyl-	protein-coding
chr20-517	7.408413	0.225814	0.861384	0.262153	0.793204	0.981636	chr20	5176618	5177734	+	0	NA	intron (N	intron (N	50168	NM_003818	8760	Hs.126857	NM_003818	ENSG00000	CDS2	-	CDP-diacy	protein-coding
chr10-126	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	MSTA|LTR|	91898	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|d	dedicator	protein-coding
chr16-202	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr16	202338	203291	+	0	NA	intron (N	L1MC|LINE	22355	NM_005331	3049	Hs.247921	NM_005331	ENSG00000	HBQ1	HBQ	hemoglobi	protein-coding
chr18-994	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr18	9946223	9947832	+	0	NA	intron (N	Tigger3b|	33011	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP asso	protein-coding
chr2-6129	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr2	61299743	61301130	+	0	NA	intron (N	AluSg|SIN	116941	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr21-463	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr21	46398068	46398483	+	0	NA	intron (N	intron (N	-60616	NM_206891	23181	Hs.189585	NM_015151	ENSG00000	DIP2A	C21orf106	disco int	protein-coding
chr3-1237	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	78211	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1491	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	39197	NM_032383	84343	Hs.558314	NM_032383	ENSG00000	HPS3	BLOC2S1|S	HPS3 biog	protein-coding
chr4-7311	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr4	73113413	73115585	+	0	NA	intron (N	FAM|SINE|	-44740	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding

chr4-1478	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	Kanga1|DN	50397	NR_039962	1.01E+08		NR_039962	ENSG0000	MIR4799	-	microRNA	ncRNA
chr5-4361	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr5	43619762	43620114	+	0	NA	intron (N	MSTB1|LTR	-16708	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr5-1158	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	MADE2|DNA	5390	NM_004707	9140	Hs.264482	NM_004707	ENSG0000	ATG12	APG12|APC	autophagy	protein-coding
chr6-8748	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr6	87483579	87484712	+	0	NA	intron (N	HERVIP10F	11171	NM_006416	10559	Hs.423163	NM_006416	ENSG0000	SLC35A1	CDG2F|CMF	solute ca	protein-coding
chr8-118	8.137117	-0.21391	0.816037	-0.26213	0.793219	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	18355	NM_000127	2131	Hs.492618	NM_000127	ENSG0000	EXT1	EXT|LGCR|	exostosir	protein-coding
chr15-648	8.20183	-0.21638	0.825665	-0.26207	0.793269	0.981636	chr15	64866718	64867981	+	0	NA	3’ UTR (N	3’ UTR (N	25434	NM_025201	80301	Hs.709337	NM_025201	ENSG0000	PLEKHO2	PLEKHQ1|F	pleckstri	protein-coding
chr1-7741	4.426947	-0.28376	1.082835	-0.26205	0.793282	0.981636	chr1	77412731	77413572	+	0	NA	intron (N	intron (N	130064	NM_012093	26289	Hs.559718	NM_012093	ENSG0000	AK5	AK6	adenylate	protein-coding
chr2-5534	4.426947	-0.28376	1.082835	-0.26205	0.793282	0.981636	chr2	55349399	55349987	+	0	NA	intron (N	intron (N	67374	NR_027258	344405	Hs.445292	NM_00108	ENSG0000	PRORSD1P	NCRNA0011	prolyl-tF	pseudo
chr3-6416	4.426947	-0.28376	1.082835	-0.26205	0.793282	0.981636	chr3	64165747	64166915	+	0	NA	intron (N	intron (N	-21213	NR_046702	1.01E+08	Hs.67084	NR_046702	ENSG0000	PRICKLE2-	-	PRICKLE2	ncRNA
chr5-6236	4.426947	-0.28376	1.082835	-0.26205	0.793282	0.981636	chr5	62368529	62369119	+	0	NA	intron (N	intron (N	35081	NM_001348	27292	Hs.731665	NM_014473	ENSG0000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr11-765	7.863862	0.218585	0.834295	0.261999	0.793322	0.981636	chr11	76546095	76546380	+	0	NA	exon (NM_	exon (NM_	101212	NM_020193	56946	Hs.352588	NM_020193	ENSG0000	EMSY	C11orf30|	EMSY trar	protein-coding
chr21-288	7.863862	0.218585	0.834295	0.261999	0.793322	0.981636	chr21	28881148	28882199	+	0	NA	intron (N	AluJb|SIN	3694	NM_01324	29104	Hs.163846	NM_01324	ENSG0000	N6AMT1	C21orf127	N-6 adeni	protein-coding
chr4-1222	7.863862	0.218585	0.834295	0.261999	0.793322	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	HSMAR2|DN	-100479	NM_139243	132612	Hs.518957	NM_139243	ENSG0000	ADAD1	Tenr	adenosine	protein-coding
chr13-494	12.86219	-0.17255	0.658683	-0.26197	0.793345	0.981636	chr13	49460861	49464154	+	0	NA	intron (N	MER21C|LT	18233	NM_00132	83852	Hs.631789	NM_031915	ENSG0000	SETDB2	C13orf4|C	SET domai	protein-coding
chr2-2314	12.86219	-0.17255	0.658683	-0.26197	0.793345	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	1853	NR_004398	25826		NR_004398	ENSG0000	SNORD82	RNU82|U82	small nuc	snoRNA
chr5-1796	12.86219	-0.17255	0.658683	-0.26197	0.793345	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	5952	NM_001364	3187	Hs.604001	NM_00552	ENSG0000	HNRNPH1	HNRPH|HNF	heteroger	protein-coding
chr5-1812	12.86219	-0.17255	0.658683	-0.26197	0.793345	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	2348	NR_002592	619571		NR_002592	ENSG0000	SNORD96A	U96A	small nuc	snoRNA
chr12-10	7.351558	0.227946	0.870544	0.261843	0.793442	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	-19435	NM_001145	246213	Hs.116871	NM_139319	ENSG0000	SLC17A8	DFNA25|VC	solute ca	protein-coding
chr1-1612	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr1	16123301	16134900	+	0	NA	intron (N	MIRb|SINE	26969	NM_001329	1969	Hs.171596	NM_004431	ENSG0000	EPHA2	ARCC2|CTF	EPH recep	protein-coding
chr1-5869	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr1	58693114	58695381	+	0	NA	intron (N	L2c|LINE|	5815	NM_001085	114803	Hs.744921	NM_001085	ENSG0000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr11-959	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr11	959673	961465	+	0	NA	intron (N	AluSp|SIN	34699	NM_012305	161	Hs.19121	NM_012305	ENSG0000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr11-185	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr11	18500017	18502804	+	0	NA	intron (N	L1MA4A|LI	25532	NM_006292	7251	Hs.523512	NM_006292	ENSG0000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr13-979	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr13	97993030	97995554	+	0	NA	intron (N	AluSq2|SI	40617	NM_002271	3843	Hs.712598	NM_002271	ENSG0000	IPO5	IMB3|KPNE	importin	protein-coding
chr14-94	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr14	94058062	94062343	+	0	NA	exon (NM_	exon (NM_	21000	NM_020414	57062	Hs.510328	NM_020414	ENSG0000	DDX24	-	DEAD-box	protein-coding
chr15-23	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr15	23009104	23011211	+	0	NA	intron (N	intron (N	-29259	NM_001324	23191	Hs.26704	NM_014608	ENSG0000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr16-555	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr16	55579	59142	+	0	NA	TTS (NM_	TTS (NM_	3532	NM_024571	79622	Hs.15277	NM_024571	ENSG0000	SNRNP25	C16orf33	small nuc	protein-coding
chr16-219	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr16	21981487	21984560	+	0	NA	TTS (NM_	TTS (NM_	18093	NM_001363	255762	Hs.98244	NM_173806	ENSG0000	PDZD9	C16orf65	PDZ domai	protein-coding
chr16-843	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr16	84319759	84329026	+	0	NA	intron (N	intron (N	29514	NM_021197	58189	Hs.36688	NM_021197	ENSG0000	WFDC1	PS20	WAP four-	protein-coding
chr17-402	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr17	40232673	40234999	+	0	NA	intron (N	AluSp|SIN	14532	NM_133264	147179	Hs.421622	NM_133264	ENSG0000	WIPF2	WICH|WIRE	WAS/WASL	protein-coding
chr17-626	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr17	62674334	62677438	+	0	NA	exon (NM_	exon (NM_	-30320	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG0000	LOC105371	-	uncharact	ncRNA
chr19-393	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr19	39393591	39394405	+	0	NA	intron (N	intron (N	2620	NR_133915	55588	Hs.611541	NM_017592	ENSG0000	MED29	IXL|MED2	mediator	protein-coding
chr2-1603	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJo|SIN	-30463	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG0000	LINC02478	-	long inte	ncRNA
chr20-385	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr20	38500330	38501344	+	0	NA	intron (N	Tigger1|D	-15726	NR_039605	1.01E+08		NR_039605	ENSG0000	MIR54802	-	microRNA	ncRNA
chr22-205	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr22	20582579	20585246	+	0	NA	intron (N	intron (N	75865	NM_001293	51586	Hs.517421	NM_015889	ENSG0000	MED15	ARC105|CA	mediator	protein-coding
chr3-1702	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSz|SIN	67412	NM_00274	5584	Hs.478199	NM_00274	ENSG0000	PRKCI	DXS1179E|	protein k	protein-coding
chr7-4984	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr7	4984187	4990936	+	0	NA	intron (N	intron (N	13576	NR_023385	441191	Hs.520636	NR_015449	ENSG0000	RNF216P1	RNF216L|F	ring fing	pseudo
chr7-4404	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr7	44049707	44051167	+	0	NA	intron (N	intron (N	-1329	NR_106896	1.02E+08		NR_106896	ENSG0000	MIR6837	hsa-mir-6	microRNA	ncRNA
chr7-994	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr7	99401766	99403516	+	0	NA	intron (N	AluSc8|SI	5956	NM_014891	11333	Hs.632296	NM_014891	ENSG0000	PDAP1	HASPP28|F	PDGFA ass	protein-coding
chr8-4218	8.929609	0.204403	0.780694	0.261823	0.793458	0.981636	chr8	42185020	42188738	+	0	NA	intron (N	(TCATCTA)	20686	NM_00093	5327	Hs.491582	NM_00093	ENSG0000	PLAT	T-PA|TPA	plasminog	protein-coding
chr16-563	8.368308	0.212012	0.809857	0.261789	0.793484	0.981636	chr16	56395572	56397659	+	0	NA	intron (N	L1PA5|LIN	28374	NM_001323	267	Hs.295137	NM_001144	ENSG0000	AMFR	GP78|RNF4	autocrine	protein-coding
chr19-326	8.368308	0.212012	0.809857	0.261789	0.793484	0.981636	chr19	32635911	32636170	+	0	NA	intron (N	intron (N	-27571	NR_145718	1.1E+08		NR_145718	ENSG0000	SNORA68B	-	small nuc	snoRNA
chr5-160	7.359416	0.226016	0.863637	0.261702	0.793551	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	L4_C_Mam|	29326	NM_003314	7265	Hs.519718	NM_003314	ENSG0000	TTC1	TPR1	tetratric	protein-coding
chr18-485	6.694042	-0.24834	0.949113	-0.26166	0.793586	0.981636	chr18	48559701	48560024	+	0	NA	intron (N	L1PB4|LIN	20831	NM_001142	9811	Hs.14523	NM_014772	ENSG0000	CTIF	Gm672|KIA	cap bindi	protein-coding
chr7-3254	7.856004	0.220404	0.842673	0.261553	0.793666	0.981636	chr7	32548905	32550070	+	0	NA	intron (N	AluJb|SIN	53998	NM_01506	23080	Hs.128056	NM_01506	ENSG0000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr12-423	6.847112	0.236528	0.904424	0.261523	0.793689	0.981636	chr12	42356273	42356494	+	0	NA	intron (N	LTR40b|LT	24585	NM_001364	51535	Hs.444157	NM_016488	ENSG0000	PPHLN1	CR|HSPC2	periphili	protein-coding
chr1-2368	8.376166	0.210282	0.804353	0.26143	0.793761	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	L1ME3B|LI	55729	NM_001291	4548	Hs.498187	NM_000254	ENSG0000	MTR	HMAG|MS|	5-methylt	protein-coding
chr16-289	8.376166	0.210282	0.804353	0.26143	0.793761	0.981636	chr16	28960090	28960787	+	0	NA	intron (N	MLT1C-int	1855	NR_039742	1.01E+08		NR_039742	ENSG0000	MIR4517	mir-4517	microRNA	ncRNA
chr17-569	8.376166	0.210282	0.804353	0.26143	0.793761	0.981636	chr17	56985642	56986255	+	0	NA	intron (N	intron (N	7841	NM_021626	59342	Hs.51495	NM_021626	ENSG0000	SCPEP1	HSCP1|RIS	serine ca	protein-coding
chr2-2245	8.376166	0.210282	0.804353	0.26143	0.793761	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	exon (NM_	exon (NM_	66947	NM_001257	8452	Hs.372286	NM_00359	ENSG0000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr5-1343	8.376166	0.210282	0.804353	0.26143	0.793761	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	L1ME3G|LI	5849	NM_003337	7320	Hs.612096	NM_003337	ENSG0000	UBE2B	E2-17kDa|	ubiquitir	protein-coding
chr1-180	8.880612	0.204527	0.782549	0.26136	0.793815	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	98788	NM_01481	9857	Hs.413045	NM_01481	ENSG0000	CEP350	CAP350|GM	centrosom	protein-coding
chr22-208	8.880612	0.204527	0.782549	0.26136	0.793815	0.981636	chr22	20819211	20819738	+	0	NA	intron (N	LTR14|LTR	39337	NM_058004	5297	Hs.529438	NM_00265	ENSG0000	PI4KA	PI4K-ALPH	phosphati	protein-coding
chr7-9238	8.880612	0.204527	0.782549	0.26136	0.793815	0.981636	chr7	92380127	92381019	+	0	NA	intron (N	L1PA6|LIN	56741	NR_145992	1.05E+08		NM_001317	ENSG0000	TMBIM7P	-	transmemb	pseudo
chr5-5535	6.937249	0.238003	0.910803	0.261311	0.793853	0.981636	chr5	55355117	55355358	+	0	NA	intron (N	intron (N	47248	NM_01536	23517	Hs.274531	NM_01536	ENSG0000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr6-2812	8.872754	0.206185	0.789338	0.261212	0.793929	0.981636	chr6	28120070	28121087	+	0	NA	Intergeni	Intergeni	-3978	NM_00132	80345	Hs.656641	NM_025231	ENSG0000	ZSCAN16	ZNF392|ZN	zinc fing	protein-coding
chr18-233	8.655429	-0.20865	0.798906	-0.26117	0.793964	0.981636	chr18	23351308	23351842	+	0	NA	intron (N	A-rich|Lo	86386	NM_032933	85019	Hs.137562	NM_032933	ENSG0000	TMEM241	C18orf45|	transmemb	protein-coding
chr20-344	8.655429	-0.20865	0.798906	-0.26117	0.793964	0.981636	chr20	34474538	34475362	+	0	NA	intron (N	SVA_D|Ret	8625	NR_030374	693229		NR_030374	ENSG0000	MIR644A	MIR644|MI	microRNA	ncRNA
chr12-12	8.647571	-0.20701	0.792698	-0.26115	0.793978	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-3477	NR_039849	1.01E+08		NR_039849	ENSG0000	MIR4700	mir-4700	microRNA	ncRNA
chr17-509	8.647571	-0.20701	0.792698	-0.26115	0.793978	0.981636	chr17	50988791	50990273	+	0	NA	intron (N	intron (N	57346	NM_001251	9043	Hs.463439	NM_003971	ENSG0000	SPAG9	CT89|HLC-	sperm ass	protein-coding
chr2-4655	8.647571	-0.20701	0.792698	-0.26115	0.793978	0.981636	chr2	46556864	46558107	+	0	NA	intron (N	L1ME4a|LI	-14908	NM_001318	90423	Hs.437691	NM_080653	ENSG0000	ATP6V1E2	ATP6E1|AT	ATPase H+	protein-coding
chr4-1095	8.647571	-0.20701	0.792698	-0.26115	0.793978	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	AluY|SINE	-23529	NM_017918	55013	Hs.234149	NM_017918	ENSG0000	MCUB	CCDC109B	mitochonc	protein-coding
chr6-1766	8.647571	-0.20701	0.792698	-0.26115	0.793978	0.981636	chr6	17668734	17670756	+	0	NA	intron (N	intron (N	-36385	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG0000	LOC105374	-	uncharact	ncRNA
chr12-319	7.87172	0.21675	0.830305	0.261049	0.794055	0.981636	chr12	31981031	31981833	+	0	NA	exon (NM_	exon (NM_	22017	NM_018169	55196	Hs.445129	NM_018169	ENSG0000	RESF1	C12orf35|	retroelem	protein-coding
chr14-228	7.87172	0.21675	0.830305	0.261049	0.794055	0.981636	chr14	22877474	22878846	+	0	NA	3’ UTR (N	3’ UTR (N	-5062	NM_173527	161253	Hs.444911	NM_173527	ENSG0000	REM2	-	RRAD and	protein-coding
chr18-218	7.87172	0.21675	0.830305	0.261049	0.794055	0.981636	chr18	21860833	21861036	+	0	NA	intron (N	AluJo|SIN	-29528	NR_110369	1.03E+08	Hs.658808	NR_110369	ENSG0000	MIR133A1H	MIR1-2HG	MIR133A1	ncRNA
chr2-2075	9.385058	0.199398	0.764119	0.260952	0.79413	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	1762	NM_001371428								
chr1-2254	8.565292	-0.21199	0.812386	-0.26095	0.794134	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	intron (N	L2a|LINE|	8859	NM_002296	3930	Hs.435166	NM_002296	ENSG0000	LBR	C14SR|DHC	lamin B r	protein-coding
chr1-5179	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr1	51793441	51795355	+	0	NA	intron (N	intron (N	42004	NR_03158	1E+08		NR_03158	ENSG0000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-6657	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr1	66578703	66579791	+	0	NA	intron (N	intron (N	45094	NM_032291	84251	Hs.132121	NM_032291	ENSG0000	SGIP1	-	SH3 domai	protein-coding
chr10-839	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr10	839885	844375	+	0	NA	intron (N	intron (N	89575	NM_001351	23185	Hs.159069	NM_015155	ENSG0000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-775	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr10	7757672	7760861	+	0	NA	intron (N	intron (N	28727	NM_012311	22944	Hs.397918	NM_012311	ENSG0000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-997	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr10	99751102	99752099	+	0	NA	intron (N	AluSx|SIN	-18934	NM_00132	1355	Hs.28326	NM_004376	ENSG0000	COX15	CEMCOX2	cytochrom	protein-coding
chr10-124	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr10	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	10902	NM_001322	4942	Hs.523332	NM_000274	ENSG0000	OAT	GACR|HOGA	ornithine	protein-coding
chr11-433	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr11	43324156	43325859	+	0	NA	intron (N	intron (N	13011	NM_001142	8539	Hs.435771	NM_006595	ENSG0000	API5	AAC-11|AA	apoptosis	protein-coding
chr12-109	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	33774	NM_03230	84260	Hs.410924	NM_03230	ENSG0000	TCHP	TpMs	trichople	protein-coding
chr13-236	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr13	23615502	23617798	+	0	NA	intron (N	AluSp|SIN	37290	NM_018647	55504	Hs.149168	NM_018647	ENSG0000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr13-11	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-13015	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr14-45	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr14	45099066	45100512	+	0	NA	intron (N	HAL1|LINE	-11086	NR_003691	1E+08	Hs.712501	NR_003691	ENSG0000	SNORD127	-	small nuc	snoRNA
chr15-793	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr15	79319682	79320153	+	0	NA	intron (N	LTR13|LTR	8805	NM_001301	23423	Hs.71608	NM_007364	ENSG0000	TMED3	C15orf22|	transmemb	protein-coding
chr17-44	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr17	44047080	44053265	+	0	NA	intron (N	AluSq2|SI	16499	NM_001371445								
chr17-756	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr17	75669541	75671127	+	0	NA	intron (N	AluSc8|SI	2996	NM_01326	29115	Hs.655088	NM_01326	ENSG0000	SAP30BP	HCNGP|HTF	SAP30 bir	protein-coding
chr18-361	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr18	36167006	36170031	+	0	NA	intron (N	THE1C|LTR	18917	NR_134605	1.02E+08	Hs.600673	NR_134605	ENSG0000	LOC101927	-	uncharact	ncRNA
chr19-744	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr19	7443513	7444632	+	0	NA	intron (N	intron (N	4384	NM_00113	23370	Hs.465761	NM_015318	ENSG0000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr2-1316	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	7209	NR_149014	29798	Hs.635289	NM_013310		C2orf27A	C2orf27|C	chromosom	protein-coding
chr2-1351	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-10626	NR_145723	1.1E+08		NR_145723	ENSG0000	SNORA40B	-	small nuc	snoRNA
chr2-2349	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	2884	NM_014521	23677	Hs.516777	NM_014521	ENSG0000	SH3BP4	BOG25|TTF	SH3 domai	protein-coding
chr20-629	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr20	62909563	62913987	+	0	NA	intron (N	intron (N	14730	NM_001193	11083	Hs.517172	NM_022105	ENSG0000	DIDO1	BYE1|C20c	death inc	protein-coding
chr22-383	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr22	38304573	38305131	+	0	NA	intron (N	AluSg4|SI	12581	NM_152221	1454	Hs.474833	NM_001894	ENSG0000	CSNK1E	CKIe|CKIe	casein ki	protein-coding
chr3-3129	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr3	3129520	3131706	+	0	NA	TTS (NR_1	TTS (NR_1	3673	NR_15994	51095	Hs.732725	NM_01600	ENSG0000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr3-1324	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	37411	NM_001329	23317	Hs.12707	NM_015268	ENSG0000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr3-1497	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	L2b|LINE|	4468	NM_016094	51122	Hs.432729	NM_016094	ENSG0000	COMMD2	HSPC042	COMM doma	protein-coding
chr3-1701	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	48748	NM_024947	80012	Hs.529592	NM_024947	ENSG0000	PHC3	EDR3|HPH3	polyhomec	protein-coding
chr4-6831	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr4	68312224	68315523	+	0	NA	3’ UTR (N	3’ UTR (N	36217	NM_00133	91746	Hs.175955	NM_13337	ENSG0000	YTHDC1	YT521|YT5	YTH domai	protein-coding
chr5-1384	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	-14881	NR_073449	51308	Hs.41609	NM_016606	ENSG0000	REEP2	C5orf19|S	receptor	protein-coding
chr5-1461	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	11140	NM_020117	51520	Hs.432674	NM_01646	ENSG0000	LARS	HSPC192|I	leucyl-tF	protein-coding
chr5-1492	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	L2b|LINE|	-37629	NM_001323	134265	Hs.62930	NM_152406	ENSG0000	AFAP1L1	-	actin fil	protein-coding
chr6-6058	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr6	605827	606961	+	0	NA	intron (N	L1PA5|LIN	50570	NM_148959	135458	Hs.669039	NM_148959	ENSG0000	HUS1B	-	HUS1 chec	protein-coding
chr7-3287	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr7	32873139	32875125	+	0	NA	intron (N	AluY|SINE	17628	NM_015483	25948	Hs.372541	NM_015483	ENSG0000	KBTBD2	BKLHD1	kelch rep	protein-coding
chr7-1209	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	18697	NM_198267	54556	Hs.489811	NM_019071	ENSG0000	ING3	Eaf4|ING2	inhibitor	protein-coding
chr8-125	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	5357	NM_003129	6713	Hs.71465	NM_003129	ENSG0000	SQLE	-	squalene	protein-coding
chr8-130	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	non-codir	non-codir	159	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG0000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-860	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chr9	86003545	86006233	+	0	NA	intron (N	L1M5|LINE	63360	NM_001321	60560	Hs.436098	NM_021929	ENSG0000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chrX-7129	8.178257	-0.21147	0.810389	-0.26094	0.794137	0.981636	chrX	71294733	71297780	+	0	NA	intron (N	AluSg|SIN	-5494	NM_012278	26548	Hs.109999	NM_012278	ENSG0000	ITGB1BP2	CHORDC3|I	integrin	protein-coding
chr14-709	8.598574	-0.20781	0.797261	-0.26066	0.794354	0.981636	chr14	70944145	70944344	+	0	NA	intron (N	THE1C-int	36785	NM_001308	22990	Hs.446559	NM_014982	ENSG0000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr9-8599	8.598574	-0.20781	0.797261	-0.26066	0.794354	0.981636	chr9	85997252	85997451	+	0	NA	intron (N	AluSz|SIN	55822	NM_001321	60560	Hs.436098	NM_021929	ENSG0000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr1-4429	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr1	44297625	44297879	+	0	NA	intron (N	intron (N	-45193	NR_132966	1.07E+08		NR_132966		SNORA110	-	small nuc	snoRNA
chr1-2112	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	AluJo|SIN	7803	NM_018254	55758	Hs.356399	NM_018254	ENSG0000	RCOR3	-	REST core	protein-coding
chr11-122	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr11	12225581	12228803	+	0	NA	intron (N	intron (N	-59708	NM_032867	84953	Hs.60371	NM_032867	ENSG0000	MICALCL	Ebitein1	MICAL C-t	protein-coding
chr12-10	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	MIR3|SINE	38703	NM_001286	121601	Hs.58785	NM_178826	ENSG0000	ANO4	TMEM16D	anoctamir	protein-coding
chr17-468	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr17	4681625	4683175	+	0	NA	intron (N	intron (N	21737	NM_014389	27043	Hs.744899	NM_014389	ENSG0000	PELP1	MNAR|P16	proline,	protein-coding
chr19-188	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr19	18860086	18864203	+	0	NA	exon (NM_	exon (NM_	30185	NM_001297	5976	Hs.515266	NM_002911	ENSG0000	UPF1	HUPF1|NOF	UPF1 RNA	protein-coding
chr19-194	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr19	19495788	19497252	+	0	NA	intron (N	intron (N	19028	NM_032037	83983	Hs.532711	NM_032037	ENSG0000	TSSK6	CT72|FKSG	testis sp	protein-coding
chr20-145	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr20	1457339	1458350	+	0	NA	intron (N	L1MA7|LIN	9848	NM_018839	55968	Hs.12865	NM_016143	ENSG0000	NSFL1C	P47|UBX1|	NSFL1 cof	protein-coding
chr3-1702	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	38016	NM_00274	5584	Hs.478199	NM_00274	ENSG0000	PRKCI	DXS1179E|	protein k	protein-coding
chr4-7014	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr4	7014352	7015836	+	0	NA	intron (N	intron (N	27586	NM_001286	57533	Hs.518611	NM_020773	ENSG0000	TBC1D14	-	TBC1 doma	protein-coding
chr5-1769	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-51670	NM_002115	3101	Hs.411695	NM_002115	ENSG0000	HK3	HKIII|HXK	hexokinas	protein-coding
chr6-3647	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr6	36470675	36473338	+	0	NA	intron (N	AluY|SINE	29006	NM_173562	222658	Hs.188757	NM_173562	ENSG0000	KCTD20	C6orf69|c	potassium	protein-coding
chr7-5726	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr7	5726965	5729607	+	0	NA	intron (N	intron (N	-16376	NR_106934	1.02E+08		NR_106934	ENSG0000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-1521	8.425163	0.210104	0.806181	0.260617	0.794388	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	L3|LINE|C	45680	NM_001371474								
chr16-132	7.675661	-0.22072	0.847075	-0.26056	0.794428	0.981636	chr16	1322646	1322903	+	0	NA	intron (N	AluJb|SIN	-10871	NM_001199	8938	Hs.458427	NM_003933	ENSG0000	BAIAP3	BAP3	BAI1 assc	protein-coding
chr17-394	7.675661	-0.22072	0.847075	-0.26056	0.794428	0.981636	chr17	39440149	39440427	+	0	NA	intron (N	intron (N	10975	NM_004774	5469	Hs.643754	NM_004774	ENSG0000	MED1	CRSP1|CRS	mediator	protein-coding
chr3-1884	7.675661	-0.22072	0.847075	-0.26056	0.794428	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	intron (N	161903	NR_046623	1.01E+08	Hs.674993	NR_046623	ENSG0000	LPP-AS1	-	LPP antis	ncRNA
chr1-150	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	9900	NM_001279	11311	Hs.44375	NM_007259	ENSG0000	VPS45	H1|H1VPS4	vacuolar	protein-coding

chr10-890	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr10	89007362	89012871	+	0	NA	intron (N	intron (N	-17141	NR_028371	1E+08	Hs.244139	NR_028371		FAS-AS1	FAS-AS|FA	FAS antis	ncRNA
chr11-117	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	-11293	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr15-409	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr15	40978716	40981212	+	0	NA	non-codin	non-codin	26493	NM_001142	79094	Hs.155569	NM_024111	ENSG00000	CHAC1	-	ChaC glut	protein-coding
chr17-435	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr17	43521399	43524234	+	0	NA	intron (N	AluSx1|SI	7619	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr2-1914	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	exon (NM_	exon (NM_	168682	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr2-2267	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	49083	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr5-1393	9.392916	0.197823	0.759589	0.260434	0.794529	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	3' UTR (N	3' UTR (N	-11679	NR_109830	51247	Hs.396644	NM_016480	ENSG00000	PAIP2	PAIP-2|PA	poly(A) b	protein-coding
chr5-7104	7.724658	-0.21984	0.844125	-0.26043	0.794531	0.981636	chr5	71040932	71041347	+	0	NA	intron (N	MER63B|DN	-16025	NM_022892	4671	Hs.646951	NM_004536	ENSG00000	NAIP	BIRC1|NLR	NLR famil	protein-coding
chr17-187	10.95525	0.185483	0.712352	0.260381	0.79457	0.981636	chr17	18797497	18800080	+	0	NA	intron (N	intron (N	9753	NM_001316	51030	Hs.87295	NM_016078	ENSG00000	TVP23B	CGI-148|F	trans-gol	protein-coding
chr11-202	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr11	202834	205717	+	0	NA	3' UTR (N	3' UTR (N	3147	NM_001098	51272	Hs.414418	NM_016465	ENSG00000	BET1L	BET1L1|GC	Bet1 golg	protein-coding
chr11-122	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJr|SIN	40719	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr13-331	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr13	33158252	33159179	+	0	NA	intron (N	intron (N	27376	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr20-354	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr20	35462371	35462974	+	0	NA	intron (N	intron (N	2689	NM_001318	11190	Hs.443976	NM_007186	ENSG00000	CEP250	C-NAP1|CE	centrosom	protein-coding
chr20-458	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr20	45896629	45897259	+	0	NA	intron (N	intron (N	-5657	NM_080749	140825	Hs.517094	NM_080749	ENSG00000	NEURL2	C20orf163	neuralize	protein-coding
chr9-1228	8.88847	0.202882	0.779325	0.260331	0.794609	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	3' UTR (N	3' UTR (N	5304	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr3-1676	8.209688	-0.21808	0.837969	-0.26024	0.794676	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	Intergeni	L1MC4|LIN	-18891	NM_001348	151790	Hs.213762	NM_178824	ENSG00000	WDR49	-	WD repeat	protein-coding
chr1-3540	9.897362	0.193293	0.742823	0.260214	0.794699	0.981636	chr1	35403344	35403560	+	0	NA	intron (N	AluSx1|SI	-37375	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr6-5714	9.897362	0.193293	0.742823	0.260214	0.794699	0.981636	chr6	57147577	57148679	+	0	NA	exon (NM_	exon (NM_	24085	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr1-6669	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr1	66698268	66700588	+	0	NA	intron (N	L2|LINE|L	-53031	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 do	protein-coding
chr10-121	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr10	12156952	12159887	+	0	NA	intron (N	intron (N	-27603	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr10-131	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	11649	NM_004052	664	Hs.144873	NM_004052	ENSG00000	BNIP3	NIP3	BCL2 inte	protein-coding
chr12-696	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr12	6965003	6969328	+	0	NA	TTS (NR_0	TTS (NR_0	441	NR_003010	677777	Hs.689636	NR_003010	ENSG00000	SCARNA12	U89	small Caj	ncRNA
chr12-881	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr12	88108322	88108826	+	0	NA	intron (N	intron (N	33642	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr12-132	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	Kanga1c|D	-28696	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr14-311	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr14	31104789	31106832	+	0	NA	intron (N	intron (N	79167	NM_001254	11154	Hs.293411	NM_007077	ENSG00000	AP4S1	AP47B|CLA	adaptor r	protein-coding
chr14-547	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr14	54789049	54791128	+	0	NA	3' UTR (N	3' UTR (N	35255	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr2-3654	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr2	36541483	36543161	+	0	NA	intron (N	intron (N	55846	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-1272	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	AluJo|SIN	23991	NM_001303	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr20-331	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr20	3310710	3312021	+	0	NA	intron (N	AluJo|SIN	-72175	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-176	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr20	17613859	17619815	+	0	NA	exon (NM_	exon (NM_	46762	NM_006870	11034	Hs.304192	NM_006870	ENSG00000	DSTN	ACTDP|ADF	destrin,	protein-coding
chr4-1135	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	222391	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr4-1223	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-45003	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr4-1689	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	88514	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-1284	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	AluY|SINE	68896	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr7-1023	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJb|SIN	8487	NM_001146	729597	Hs.489449	NM_001146	ENSG00000	SPDYE6	-	speedy/RI	protein-coding
chr7-1349	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	42309	NM_033140	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr7-1395	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	58327	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr7-1405	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	29134	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr9-6972	8.639713	-0.20542	0.789557	-0.26017	0.794729	0.981636	chr9	69722611	69724578	+	0	NA	exon (NM_	exon (NM_	36417	NR_159516	375743	Hs.744192	NM_001099	ENSG00000	PTAR1	-	protein p	protein-coding
chr20-359	7.367274	0.224029	0.861474	0.260053	0.794823	0.981636	chr20	3591250	3591937	+	0	NA	intron (N	MER76|LTR	71806	NM_022139	64096	Hs.302025	NM_022139	ENSG00000	GFRA4	-	GDNF fami	protein-coding
chr7-1285	7.367274	0.224029	0.861474	0.260053	0.794823	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJb|SIN	-77248	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr1-1557	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	L1MC4|LIN	-12514	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr11-433	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr11	43320683	43321467	+	0	NA	intron (N	intron (N	9079	NM_001142	8539	Hs.435771	NM_006595	ENSG00000	API5	AAC-11|AA	apoptosis	protein-coding
chr11-779	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr11	77921547	77921906	+	0	NA	intron (N	intron (N	72942	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr12-489	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr12	48922045	48924181	+	0	NA	TTS (NM_0	TTS (NM_0	1875	NM_001143	51303	Hs.655103	NM_016594	ENSG00000	FKBP11	FKBP19	FKBP prol	protein-coding
chr13-459	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr13	45966802	45968934	+	0	NA	exon (NM_	exon (NM_	84878	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr15-654	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr15	65488977	65490287	+	0	NA	intron (N	AluY|SINE	27642	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr16-117	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr16	11732272	11734494	+	0	NA	intron (N	AluYf1|SI	9474	NM_001303	51061	Hs.313847	NM_015914	ENSG00000	TXNDC11	EFP1	thioredox	protein-coding
chr18-301	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr18	3010781	3011739	+	0	NA	intron (N	intron (N	687	NM_014646	9663	Hs.132342	NM_014646	ENSG00000	LPIN2	-	lipin 2	protein-coding
chr5-7378	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr5	73780194	73781366	+	0	NA	intron (N	intron (N	-32766	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr6-4333	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr6	43339966	43341528	+	0	NA	intron (N	intron (N	28900	NM_014345	24149	Hs.509718	NM_014345	ENSG00000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr6-1066	8.384024	0.208537	0.802663	0.259807	0.795013	0.981636	chr6	1.07E+08	1.07E+08	+	0	NA	intron (N	L1MEc|LIN	-28502	NM_001318	84816	Hs.155839	NM_032730	ENSG00000	RTN4IP1	NIMP|OPA1	reticulon	protein-coding
chr19-425	10.40181	0.189234	0.728544	0.259742	0.795063	0.981636	chr19	4256452	4257078	+	0	NA	intron (N	MLT1F1|LT	9685	NM_018074	55702	Hs.21811	NM_018074	ENSG00000	YJU2	CCDC94	YJU2 spli	protein-coding
chr10-102	9.946359	0.193207	0.744035	0.259675	0.795114	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSp|SIN	16046	NM_005736	10121	Hs.153961	NM_005736	ENSG00000	ACTR1A	ARP1|Arp1	actin rel	protein-coding
chr12-112	9.946359	0.193207	0.744035	0.259675	0.795114	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	3' UTR (N	3' UTR (N	9235	NM_006817	10961	Hs.75841	NM_006817	ENSG00000	ERP29	C12orf8|E	endoplasm	protein-coding
chr19-457	9.946359	0.193207	0.744035	0.259675	0.795114	0.981636	chr19	45788760	45790973	+	0	NA	intron (N	AluSx3|SI	2979	NM_004943	1762	Hs.515474	NM_004943	ENSG00000	DMWD	D19S593E|	DM1 locus	protein-coding
chr5-7471	7.848146	0.222243	0.855947	0.259646	0.795137	0.981636	chr5	74719191	74719396	+	0	NA	intron (N	intron (N	34060	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamin	protein-coding
chr4-2689	9.034607	-0.20842	0.803217	-0.25948	0.795263	0.981636	chr4	2689645	2690108	+	0	NA	intron (N	intron (N	64444	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr1-1108	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	11084718	11097578	+	0	NA	exon (NM_	exon (NM_	-8527	NR_135061	1.05E+08	Hs.634965	NR_135061	ENSG00000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-1238	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	12382758	12389540	+	0	NA	intron (N	intron (N	-121097	NR_003025	677885	Hs.658450	NR_003025	ENSG00000	SNORA59A	ACA59	small nuc	snoRNA
chr1-1514	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	13865	NM_207171	23126	Hs.489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo tran	protein-coding
chr1-1715	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-42464	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-1863	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	AluSg7|SI	21922	NM_001127	10216	Hs.647723	NM_005807	ENSG00000	PRG4	CACP|HAPO	proteogly	protein-coding
chr1-2202	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L1PA4|LIN	-4211	NR_002994	677818	Hs.730572	NR_002994	ENSG00000	SNORA36B	ACA36b	small nuc	snoRNA
chr11-657	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr11	65713606	65715936	+	0	NA	intron (N	intron (N	2519	NM_006388	10524	Hs.397010	NM_006388	ENSG00000	KAT5	ESA1|HTAT	lysine ac	protein-coding
chr11-859	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr11	85998909	86001881	+	0	NA	intron (N	intron (N	68689	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr12-112	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJb|SIN	18193	NM_006700	10906	Hs.5148	NM_006700	ENSG00000	TRAFD1	FLN29	TRAF-type	protein-coding
chr12-131	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	4974	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr15-485	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr15	48503186	48508616	+	0	NA	intron (N	intron (N	139887	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr4-1435	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-22190	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr5-4353	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr5	43533657	43536179	+	0	NA	exon (NM_	exon (NM_	-19770	NM_198566	375444	Hs.661641	NM_198566	ENSG00000	C5orf34	-	chromosom	protein-coding
chr5-1381	9.90522	0.191795	0.740145	0.259131	0.795534	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	7572	NM_006696	10902	Hs.519337	NM_006696	ENSG00000	BRD8	SMAP|SMAP	bromodoma	protein-coding
chr10-701	10.40967	0.187781	0.724724	0.259107	0.795553	0.981636	chr10	70149824	70158565	+	0	NA	intron (N	intron (N	-7454	NR_073582	219743	Hs.533655	NM_173555	ENSG00000	TYSND1	NET41	trypsin d	protein-coding
chr13-262	10.40967	0.187781	0.724724	0.259107	0.795553	0.981636	chr13	26213630	26218467	+	0	NA	intron (N	intron (N	5709	NM_183044	6049	Hs.136885	NM_005977	ENSG00000	RNF6	-	ring fing	protein-coding
chr16-294	10.40967	0.187781	0.724724	0.259107	0.795553	0.981636	chr16	29416359	29417544	+	0	NA	Intergeni	L1PA5|LIN	-12406	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr5-1506	10.40967	0.187781	0.724724	0.259107	0.795553	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	6548	NM_018047	55696	Hs.713564	NM_018047	ENSG00000	RBM22	Cwc2|ZC3H	RNA bindi	protein-coding
chr8-4296	10.40967	0.187781	0.724724	0.259107	0.795553	0.981636	chr8	42967979	42968612	+	0	NA	intron (N	intron (N	71317	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr16-150	13.35693	-0.16766	0.647253	-0.25904	0.795606	0.981636	chr16	15026427	15030263	+	0	NA	intron (N	L2b|LINE|	-17948	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr11-672	7.180922	-0.23265	0.898717	-0.25887	0.795736	0.981636	chr11	67223343	67223688	+	0	NA	intron (N	AluJb|SIN	-16499	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr21-335	7.180922	-0.23265	0.898717	-0.25887	0.795736	0.981636	chr21	33594795	33595215	+	0	NA	intron (N	intron (N	-6321	NM_017613	29980	Hs.436341	NM_017613	ENSG00000	DONSON	B17|C21or	downstrea	protein-coding
chr1-7772	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr1	77721264	77726620	+	0	NA	intron (N	AluY|SINE	35910	NM_201626	23032	Hs.480597	NM_015017	ENSG00000	USP33	VDU1	ubiquitin	protein-coding
chr1-1810	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	21032	NM_005819	10228	Hs.518417	NM_005819	ENSG00000	STX6	-	syntaxin	protein-coding
chr1-2255	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	exon (NM_	exon (NM_	-83818	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr1-2353	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	non-codin	non-codin	13763	NR_036605	9453	Hs.730768	NM_004837	ENSG00000	GGPS1	GGPPS|GGP	geranylge	protein-coding
chr10-704	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr10	70420196	70426091	+	0	NA	3' UTR (N	3' UTR (N	18538	NM_018055	4838	Hs.370414	NM_018055	ENSG00000	NODAL	HTX5	nodal gro	protein-coding
chr11-636	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr11	63650479	63651922	+	0	NA	intron (N	AluSg|SIN	20176	NM_015459	25923	Hs.356719	NM_015459	ENSG00000	ATL3	HSN1F	atlastin	protein-coding
chr12-490	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr12	49001661	49005815	+	0	NA	intron (N	(TCTCCC)n	-4363	NM_015086	23109	Hs.591044	NM_015086	ENSG00000	DDN	-	dendrin	protein-coding
chr12-132	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	18130	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr12-132	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJo|SIN	28983	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr12-132	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-27176	NM_001172	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr14-962	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr14	96221848	96224757	+	0	NA	intron (N	intron (N	18504	NM_000623	624	Hs.654542	NM_000623	ENSG00000	BDKRB2	B2R|BK-2|	bradykini	protein-coding
chr16-211	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr16	21178538	21182145	+	0	NA	non-codin	non-codin	-20900	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr16-219	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr16	21909180	21911348	+	0	NA	Intergeni	L1ME2z|LI	-43097	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr16-482	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr16	48260519	48264540	+	0	NA	intron (N	intron (N	-14990	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr17-365	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr17	36555034	36564691	+	0	NA	intron (N	AluSz6|SI	14943	NM_024835	79893	Hs.514116	NM_024835	ENSG00000	GGNBP2	DIF-3|DIF	gametogen	protein-coding
chr17-395	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr17	39515645	39527242	+	0	NA	intron (N	AluSq2|SI	59957	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-366	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr19	36661015	36665237	+	0	NA	intron (N	L1MC4|LIN	3711	NM_001322	92283	Hs.590972	NM_153257	ENSG00000	ZNF461	GIOT-1|GI	zinc fing	protein-coding
chr2-7376	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr2	73760331	73776939	+	0	NA	intron (N	intron (N	11522	NM_003584	8446	Hs.14611	NM_003584	ENSG00000	DUSP11	PIR1	dual spec	protein-coding
chr2-2229	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	62758	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr5-3216	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr5	32166822	32170647	+	0	NA	intron (N	intron (N	5585	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr6-7899	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr6	78993198	78994946	+	0	NA	intron (N	Tigger1|D	84182	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr8-6729	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr8	67295936	67296903	+	0	NA	intron (N	intron (N	47362	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-1022	9.400774	0.196258	0.758228	0.258838	0.79576	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	46883	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr3-1224	10.91411	0.18417	0.711549	0.25883	0.795766	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	37225	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr6-5659	10.91411	0.18417	0.711549	0.25883	0.795766	0.981636	chr6	56590394	56592694	+	0	NA	intron (N	L2a|LINE|	51345	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-1645	9.441913	0.197707	0.764109	0.258741	0.795835	0.981636	chr1	16458243	16459701	+	0	NA	exon (NM_	exon (NM_	-1976	NR_147210	1.08E+08	Hs.528312	NR_147210	ENSG00000	LINC01772	-	long inte	ncRNA
chr19-452	9.441913	0.197707	0.764109	0.258741	0.795835	0.981636	chr19	45271416	45272405	+	0	NA	intron (N	MIR|SINE|	20639	NM_001199	57787	Hs.34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr17-187	7.879578	0.214864	0.830458	0.258729	0.795844	0.981636	chr17	1875010	1875852	+	0	NA	intron (N	intron (N	45426	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTO	replicati	protein-coding
chr21-448	7.879578	0.214864	0.830458	0.258729	0.795844	0.981636	chr21	44858340	44859622	+	0	NA	intron (N	L1ME3|LIN	14709	NM_004339	754	Hs.474010	NM_004339	ENSG00000	PTTG1IP	C21orf1|C	PTTG1 int	protein-coding
chr12-131	7.920717	0.216455	0.836685	0.258705	0.795863	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	18464	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr13-984	7.920717	0.216455	0.836685	0.258705	0.795863	0.981636	chr13	98460250	98460686	+	0	NA	intron (N	intron (N	61657	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr22-204	7.920717	0.216455	0.836685	0.258705	0.795863	0.981636	chr22	20428427	20431357	+	0	NA	intron (N	CpG-18790	7933	NM_153334	91179	Hs.474251	NM_153334	ENSG00000	SCARF2	NSR1|SREC	scavenger	protein-coding
chr22-412	7.920717	0.216455	0.836685	0.258705	0.795863	0.981636	chr22	41212490	41214069	+	0	NA	intron (N	MIR3|SINE	4348	NR_148200	1.01E+08	Hs.627409	NR_148200	ENSG00000	LOC100506	-	uncharact	ncRNA
chr4-1843	7.920717	0.216455	0.836685	0.258705	0.795863	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-10607	NR_125933	1.03E+08	Hs.432281	NR_125933	ENSG00000	LINC02362	-	long inte	ncRNA
chr2-2311	9.369342	0.202684	0.783669	0.258634	0.795918	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	exon (NM_	exon (NM_	16224	NM_001320	3357	Hs.421649	NM_000867	ENSG00000	HTR2B	5-HT(2B)|	5-hydroxy	protein-coding
chr1-6264	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr1	62643074	62645204	+	0	NA	intron (N	intron (N	44229	NM_001330	85440	Hs.744927	NM_033407	ENSG00000	DOCK7	EIEE23|ZI	dedicator	protein-coding
chr10-873	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr10	87333464	87338055	+	0	NA	intron (N	intron (N	-6652	NR_029408	439994	Hs.651188	NR_029408	ENSG00000	LINC00863	-	long inte	ncRNA
chr11-438	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr11	43882547	43883142	+	0	NA	intron (N	intron (N	2013	NM_139178	221120	Hs.720708	NM_139178	ENSG00000	ALKBH3	ABH3|DEPC	alkB homo	protein-coding
chr11-779	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr11	77932332	77933256	+	0	NA	intron (N	L1PA7|LIN	61874	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr12-504	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr12	50466986	50470134	+	0	NA	intron (N	AluY|SINE	11989	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr13-793	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr13	79341073	79342663	+	0	NA	intron (N	L1MC5a|LI	64353	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr15-504	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr15	50476784	50479483	+	0	NA	intron (N	intron (N	53728	NM_001128	9101	Hs.443731	NM_005154	ENSG00000	USP8	HumORF8|F	ubiquitin	protein-coding
chr16-225	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr16	22523706	22524703	+	0	NA	intron (N	intron (N	10681	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding

chr19-361	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr19	3611054	3612416	+	0	NA	3' UTR (N	3' UTR (N	4488	NR_038865	404665	Hs.719726	NM_001012	ENSG0000C	CACTIN-AS	C19orf29-	CACTIN ar	ncRNA
chr2-5393	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr2	53930109	53932791	+	0	NA	intron (N	intron (N	39543	NM_014614	23198	Hs.413801	NM_014614	ENSG0000C	PSME4	PA200	proteasom	protein-coding
chr2-1357	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJb|SIN	-6394	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr2-1717	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	42787	NM_001320	1781	Hs.546250	NM_001378	ENSG0000C	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr20-444	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr20	44488091	44491069	+	0	NA	3' UTR (N	3' UTR (N	13706	NM_001261	79183	Hs.283869	NM_024331	ENSG0000C	TTPAL	C20orf121	alpha toc	protein-coding
chr20-589	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr20	58902783	58905456	+	0	NA	intron (N	intron (N	11956	NR_132272	2778	Hs.125898	NM_000516	ENSG0000C	GNAS	AHO|C20or	GNAS comp	protein-coding
chr3-1014	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr3	10146483	10147941	+	0	NA	intron (N	AluSc8|SI	5434	NM_198156	7428	Hs.517792	NM_000551	ENSG0000C	VHL	HRCA1|RCA	von Hippe	protein-coding
chr6-1510	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSg7|SI	9541	NM_001350	25902	Hs.591343	NM_015440	ENSG0000C	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-1786	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr7	17867621	17868130	+	0	NA	intron (N	intron (N	72619	NM_001350	23161	Hs.487648	NM_015132	ENSG0000C	SNX13	RGS-PX1	sorting r	protein-coding
chr7-4360	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr7	43608054	43612051	+	0	NA	intron (N	intron (N	26944	NM_004760	9263	Hs.709489	NM_004760	ENSG0000C	STK17A	DRAK1	serine/th	protein-coding
chr7-7506	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr7	75062761	75064643	+	0	NA	intron (N	AluSx1|SI	10100	NM_001363	81554	Hs.529623	NM_030798	ENSG0000C	RCC1L	WBSCR16	RCC1 like	protein-coding
chr7-1514	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	MER58B|DN	30203	NM_005614	6009	Hs.283521	NM_005614	ENSG0000C	RHEB	RHEB2	Ras homol	protein-coding
chr8-1189	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	6228	NM_002546	4982	Hs.81791	NM_002546	ENSG0000C	TNFRSF11E	OCIF|OPG|	TNF recep	protein-coding
chr9-3758	8.170399	-0.20981	0.811822	-0.25844	0.796067	0.981636	chr9	37588103	37588702	+	0	NA	TTS (NM_C	TTS (NM_C	4195	NM_001001	401505	Hs.130774	NM_001001	ENSG0000C	TOMM5	C9orf105|	transloca	protein-coding
chr1-8883	4.419089	-0.28086	1.086927	-0.2584	0.796096	0.981636	chr1	88835064	88837025	+	0	NA	3' UTR (N	3' UTR (N	55523	NM_001514	2959	Hs.481852	NM_001514	ENSG0000C	GTF2B	TF2B|TFII	general t	protein-coding
chr3-1809	4.419089	-0.28086	1.086927	-0.2584	0.796096	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	MLT1D|LTF	24022	NM_001190	131118	Hs.230601	NM_145261	ENSG0000C	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr6-8558	4.419089	-0.28086	1.086927	-0.2584	0.796096	0.981636	chr6	85583263	85584285	+	0	NA	intron (N	L1PA7|LIN	10084	NM_153816	57231	Hs.485871	NM_020468	ENSG0000C	SNX14	RGS-PX2|S	sorting r	protein-coding
chr7-1007	4.419089	-0.28086	1.086927	-0.2584	0.796096	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	TTS (NM_C	TTS (NM_C	1628	NM_005837	10248	Hs.416994	NM_005837	ENSG0000C	POP7	0610037N1	POP7 homo	protein-coding
chrX-1543	7.7168	-0.21808	0.843973	-0.2584	0.796102	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	17583	NM_001110	2316	Hs.195464	NM_001456	ENSG0000C	FLNA	ABP-280|A	filamin A	protein-coding
chr3-1134	11.41856	0.180922	0.700296	0.258351	0.796136	0.981636	chr3	11348165	11349130	+	0	NA	intron (N	LTR12|LTF	76250	NM_001144	10533	Hs.38032	NM_006395	ENSG0000C	ATG7	APG7-LIKE	autophagy	protein-coding
chr1-2331	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr1	23315796	23321583	+	0	NA	exon (NM_	exon (NM_	25595	NM_001102	10236	Hs.373763	NM_005826	ENSG0000C	HNRNPR	HNRPR|hnR	heteroger	protein-coding
chr1-5180	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr1	51804915	51809810	+	0	NA	intron (N	intron (N	29040	NR_031580	1E+08		NR_031580	ENSG0000C	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-1001	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	6075	NR_135078	54482	Hs.729095	NM_019083	ENSG0000C	TRMT13	CCDC76	tRNA meth	protein-coding
chr1-2237	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	TTS (NM_C	TTS (NM_C	64050	NM_001748	824	Hs.350899	NM_001748	ENSG0000C	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr11-373	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr11	3733490	3736593	+	0	NA	intron (N	intron (N	62505	NR_157591	4928	Hs.524750	NM_005387	ENSG0000C	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-330	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr11	33058089	33059183	+	0	NA	intron (N	intron (N	-17514	NR_015451	283267	Hs.533701	NR_015451	ENSG0000C	LINC00294	NCRNA0029	long inte	ncRNA
chr15-596	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr15	59662440	59666501	+	0	NA	intron (N	AluY|SINE	-6955	NM_001320	2958	Hs.512934	NM_004492	ENSG0000C	GTF2A2	HsT18745|	general t	protein-coding
chr16-587	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr16	58715214	58716436	+	0	NA	intron (N	AluSp|SIN	18491	NM_001286	2806	Hs.599470	NM_002080	ENSG0000C	GOT2	KAT4|KATI	glutamic-	protein-coding
chr19-441	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr19	44144465	44145969	+	0	NA	intron (N	intron (N	3663	NM_001144	10780	Hs.235992	NM_006630	ENSG0000C	ZNF234	HZF4|ZNF2	zinc fing	protein-coding
chr2-6816	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr2	68160191	68164980	+	0	NA	exon (NM_	exon (NM_	4697	NM_020143	56902	Hs.262858	NM_020143	ENSG0000C	PNO1	KHRBP1|RF	partner c	protein-coding
chr2-1053	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	8751	NM_001318	2274	Hs.443687	NM_001450	ENSG0000C	FHL2	AAG11|DRA	four and	protein-coding
chr22-414	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr22	41432221	41437866	+	0	NA	3' UTR (N	3' UTR (N	11758	NM_016272	10766	Hs.474978	NM_016272	ENSG0000C	TOB2	APRO5|TOB	transduce	protein-coding
chr3-3339	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr3	33391282	33392636	+	0	NA	intron (N	L2a|LINE|	48419	NM_001128	7342	Hs.729120	NM_014517	ENSG0000C	UBP1	LBP-1B|LB	upstream	protein-coding
chr3-1237	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	32370	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG0000C	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1325	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYk4|SI	-67671	NM_016557	51554	Hs.310512	NM_016557	ENSG0000C	ACKR4	CC-CKR-11	atypical	protein-coding
chr3-1430	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	L1MB7|LIN	16760	NM_001320	23350	Hs.596572	NM_001080	ENSG0000C	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr5-5688	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr5	56880346	56884114	+	0	NA	exon (NM_	exon (NM_	-27030	NR_136556	133383	Hs.85950	NM_153706	ENSG0000C	SETD9	C5orf35	SET domai	protein-coding
chr5-1316	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	L1M4|LINE	-34607	NM_001164	51735	Hs.483329	NM_016340	ENSG0000C	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr5-1733	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	CpG	2394	NM_003714	8614	Hs.233160	NM_003714	ENSG0000C	STC2	STC-2|STC	stannioca	protein-coding
chr6-5659	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr6	56597043	56598818	+	0	NA	exon (NM_	exon (NM_	44959	NM_015548	667	Hs.604915	NM_001723	ENSG0000C	DST	BP240|BPA	dystonin	protein-coding
chr7-3588	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr7	35882332	35884817	+	0	NA	intron (N	intron (N	82355	NM_001363	989	Hs.191346	NM_001788	ENSG0000C	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-7298	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr7	72980420	72982152	+	0	NA	Intergeni	MLT1H2|LT	11604	NR_104007	1E+08	Hs.695009	NR_104007		LOC100101	-	FKBP prol	pseudo
chr7-7648	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr7	76482253	76482859	+	0	NA	exon (NM_	exon (NM_	2046	NM_001102	113878	Hs.187058	NM_020892	ENSG0000C	DTX2	RNF58	deltex E3	protein-coding
chr7-1212	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-87864	NM_016087	51384	Hs.272375	NM_016087	ENSG0000C	WNT16	-	Wnt famil	protein-coding
chr8-6712	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr8	67122926	67123754	+	0	NA	intron (N	L1MB3|LIN	39492	NM_001291	79848	Hs.370147	NM_024790	ENSG0000C	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-1301	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-33949	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG0000C	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-3332	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr9	33321588	33325523	+	0	NA	intron (N	AluSg|SIN	33039	NM_147134	4799	Hs.413074	NM_002504	ENSG0000C	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-1013	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr9	1.01E+08	1.01E+08	+	0	NA	3' UTR (N	3' UTR (N	-5436	NM_001701	570	Hs.284712	NM_001701	ENSG0000C	BAAT	BACAT|BAT	bile acid	protein-coding
chr9-1311	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-14680	NM_001318	8021	Hs.654530	NM_005085	ENSG0000C	NUP214	CAIN|CAN	nucleopor	protein-coding
chrX-4510	8.631855	-0.20386	0.78938	-0.25826	0.796209	0.981636	chrX	45107928	45108446	+	0	NA	intron (N	L2c|LINE|	92689	NM_176819	79742	Hs.98321	NM_024689	ENSG0000C	DIPK2B	4930578C1	divergent	protein-coding
chr5-1600	6.862828	0.23223	0.899412	0.258203	0.796251	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	3' UTR (N	3' UTR (N	54337	NR_146217	114825	Hs.744960	NM_052927	ENSG0000C	PWWP2A	MST101	PWWP doma	protein-coding
chr1-3797	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr1	37971016	37987790	+	0	NA	intron (N	intron (N	10619	NM_006802	10946	Hs.77897	NM_006802	ENSG0000C	SF3A3	PRP9|PRPF	splicing	protein-coding
chr1-1241	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2614585	NR_003955	647121	Hs.697682	NR_003955	ENSG0000C	EMBP1	-	embigin p	pseudo
chr10-500	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr10	50007767	50010506	+	0	NA	exon (NM_	exon (NM_	20818	NM_001077	414189	Hs.536158	NM_001077	ENSG0000C	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr10-501	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr10	50103274	50105988	+	0	NA	intron (N	AluSx|SIN	36677	NM_001005	387680	Hs.365286	NM_018232	ENSG0000C	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr11-573	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr11	57316244	57318226	+	0	NA	intron (N	intron (N	7717	NM_033396	85456	Hs.530730	NM_033396	ENSG0000C	TNKS1BP1	TAB182	tankyrase	protein-coding
chr11-686	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr11	68600475	68609528	+	0	NA	intron (N	L1M5|LINE	-79543	NM_015973	51083	Hs.278959	NM_015973	ENSG0000C	GAL	ETL8|GAL-	galanin a	protein-coding
chr12-672	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr12	67286025	67286224	+	0	NA	intron (N	AluYm1|SI	16766	NM_001329	55832	Hs.546407	NM_018448	ENSG0000C	CAND1	TIP120|TI	cullin as	protein-coding
chr13-113	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJo|SIN	-10426	NR_107042	1.02E+08		NR_107042	ENSG0000C	MIR8075	hsa-mir-8	microRNA	ncRNA
chr14-920	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr14	92014944	92017784	+	0	NA	intron (N	intron (N	23695	NM_004239	9321	Hs.632339	NM_004239	ENSG0000C	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr15-758	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr15	75873109	75875559	+	0	NA	intron (N	AluSz|SIN	-29525	NM_012170	26263	Hs.591115	NM_012170	ENSG0000C	FBXO22	FBX22|FIS	F-box pro	protein-coding
chr19-520	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr19	5209074	5212567	+	0	NA	intron (N	CpG-13447	129992	NM_130854	5802	Hs.744928	NM_002850	ENSG0000C	PTPRS	PTPSIGMA|	protein t	protein-coding
chr2-3727	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr2	37279319	37280261	+	0	NA	exon (NM_	exon (NM_	37294	NM_005813	23683	Hs.660757	NM_005813	ENSG0000C	PRKD3	EPK2|PKC-	protein k	protein-coding
chr2-1021	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	3' UTR (N	3' UTR (N	-10085	NM_001351	8808	Hs.659863	NM_003854	ENSG0000C	IL1RL2	IL-1Rrp2|	interleuk	protein-coding
chr20-489	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr20	48984016	48986370	+	0	NA	intron (N	intron (N	60863	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG0000C	CSE1L-AS1	-	CSE1L ant	ncRNA
chr3-9840	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr3	9840714	9842031	+	0	NA	intron (N	AluJo|SIN	2636	NM_001351	285367	Hs.33719	NM_173659	ENSG0000C	RPUSD3	-	RNA pseud	protein-coding
chr4-9890	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr4	98900644	98901598	+	0	NA	intron (N	L2|LINE|L	28012	NM_001130	1977	Hs.13211	NM_001968	ENSG0000C	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr4-1028	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	21258	NM_001300	7323	Hs.518773	NM_003340	ENSG0000C	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chr6-1767	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr6	17671663	17672200	+	0	NA	intron (N	AluSx|SIN	-34199	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG0000C	LOC105374	-	uncharact	ncRNA
chr6-1113	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	97826	NM_153369	91749	Hs.400572	NM_153369	ENSG0000C	MFSD4B	KIAA1919|	major fac	protein-coding
chr8-2300	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr8	23005642	23006550	+	0	NA	exon (NM_	exon (NM_	6517	NM_015178	23221	Hs.372688	NM_015178	ENSG0000C	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr9-2075	8.896328	0.201223	0.779506	0.258142	0.796297	0.981636	chr9	20758531	20759613	+	0	NA	intron (N	L1P1|LINE	-27855	NR_145762	1.1E+08		NR_145762	ENSG0000C	SNORA30B	-	small nuc	snoRNA
chr8-7382	8.095978	-0.21643	0.839889	-0.25769	0.79665	0.981636	chr8	73824334	73824982	+	0	NA	intron (N	MER1B|DNA	54204	NM_018299	55284	Hs.128841	NM_018299	ENSG0000C	UBE2W	UBC-16|UB	ubiquitin	protein-coding
chr1-3215	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr1	32155596	32159105	+	0	NA	exon (NM_	exon (NM_	-22325	NM_175852	200081	Hs.17987	NM_175852	ENSG0000C	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr1-3946	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr1	39462550	39467383	+	0	NA	intron (N	intron (N	-26670	NM_181809	353500	Hs.472497	NM_181809	ENSG0000C	BMP8A	-	bone morp	protein-coding
chr1-4630	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr1	46309592	46314796	+	0	NA	intron (N	AluSz|SIN	8496	NM_006004	7388	Hs.481571	NM_006004	ENSG0000C	UQCRH	QCR6|UQCR	ubiquinol	protein-coding
chr1-1625	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	L1MD2|LIN	8159	NM_175866	127933	Hs.127310	NM_144624	ENSG0000C	UHMK1	KIS|KIST|	U2AF homo	protein-coding
chr1-2053	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	14159	NM_030952	81788	Hs.497512	NM_030952	ENSG0000C	NUAK2	SNARK	NUAK fami	protein-coding
chr10-436	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr10	43614446	43617044	+	0	NA	intron (N	intron (N	9307	NM_145312	220992	Hs.147440	NM_145312	ENSG0000C	ZNF485	-	zinc fing	protein-coding
chr10-103	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	TTS (NM_C	TTS (NM_C	4440	NR_031707	1E+08		NR_031707	ENSG0000C	MIR1307	MIRN1307|	microRNA	ncRNA
chr12-561	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr12	56106649	56113420	+	0	NA	intron (N	intron (N	5475	NM_006191	5036	Hs.524498	NM_006191	ENSG0000C	PA2G4	EBP1|HG4-	prolifera	protein-coding
chr14-102	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	53066	NM_001376	1778	Hs.614080	NM_001376	ENSG0000C	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-485	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr15	48598347	48600730	+	0	NA	intron (N	intron (N	46250	NM_000138	2200	Hs.591133	NM_000138	ENSG0000C	FBN1	ACMICD|EC	fibrillin	protein-coding
chr16-302	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr16	30281921	30282632	+	0	NA	Intergeni	Intergeni	-33863	NM_001321	613037	Hs.585733	NM_001321	ENSG0000C	NPIPB13	-	nuclear p	protein-coding
chr17-289	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr17	28909690	28924872	+	0	NA	intron (N	intron (N	-8994	NR_110803	1.02E+08	Hs.665702	NR_110803	ENSG0000C	LOC101927	-	uncharact	ncRNA
chr17-750	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr17	75038356	75042405	+	0	NA	intron (N	MIR3|SINE	6589	NM_001003	10476	Hs.514465	NM_006356	ENSG0000C	ATP5PD	APT5H|ATP	ATP synth	protein-coding
chr18-260	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr18	26024158	26024856	+	0	NA	intron (N	AluJo|SIN	66106	NM_001007	6760	Hs.129261	NM_005637	ENSG0000C	SS18	SSXT|SYT	SS18 subu	protein-coding
chr19-483	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr19	48381393	48389448	+	0	NA	intron (N	L2b|LINE|	6131	NM_006801	10945	Hs.515515	NM_006801	ENSG0000C	KDELR1	ERD2|ERD2	KDEL endo	protein-coding
chr19-576	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr19	57685075	57688290	+	0	NA	exon (NM_	exon (NM_	4705	NM_138347	90233	Hs.109540	NM_138347	ENSG0000C	ZNF551	-	zinc fing	protein-coding
chr2-8611	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr2	86116288	86124908	+	0	NA	intron (N	intron (N	14363	NM_017952	55037	Hs.323489	NM_017952	ENSG0000C	PTCD3	MRP-S39	pentatric	protein-coding
chr2-1137	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	3' UTR (N	3' UTR (N	14317	NM_001330	80255	Hs.355655	NM_025181	ENSG0000C	SLC35F5	-	solute ca	protein-coding
chr22-378	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr22	37872361	37880566	+	0	NA	intron (N	AluSx|SIN	27044	NM_001363	51386	Hs.446852	NM_016091	ENSG0000C	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr22-411	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr22	41125219	41129205	+	0	NA	intron (N	intron (N	34620	NM_001362	2033	Hs.517517	NM_001429	ENSG0000C	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr3-1393	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJr4|SI	13502	NM_004766	9276	Hs.681616	NM_004766	ENSG0000C	COPB2	MCPH19|be	coatomer	protein-coding
chr5-1329	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	30721	NM_014423	27125	Hs.519313	NM_014423	ENSG0000C	AFF4	AF5Q31|CH	AF4/FMR2	protein-coding
chr6-7525	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr6	75253598	75262034	+	0	NA	intron (N	intron (N	-7518	NM_001865	1347	Hs.70312	NM_001865	ENSG0000C	COX7A2	COX7AL|CO	cytochrom	protein-coding
chr9-1282	10.41752	0.186355	0.723603	0.257538	0.796763	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-3481	NM_001318	375757	Hs.259594	NM_001040	ENSG0000C	SWI5	C9orf119|	SWI5 homo	protein-coding
chr10-593	8.937467	0.202691	0.78783	0.257278	0.796964	0.981636	chr10	5936771	5938482	+	0	NA	TTS (NM_C	TTS (NM_C	31302	NM_001351	3601	Hs.445124	NM_002189	ENSG0000C	IL15RA	CD215	interleuk	protein-coding
chr5-1397	8.937467	0.202691	0.78783	0.257278	0.796964	0.981636	chr5	13972391	13972792	+	0	NA	Intergeni	L1PB1|LIN	-28111	NM_001369	1767	Hs.212360	NM_001369	ENSG0000C	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr19-406	8.217546	-0.21984	0.854596	-0.25724	0.796992	0.981636	chr19	40625802	40626417	+	0	NA	intron (N	intron (N	24740	NM_001042	8425	Hs.466766	NM_003573	ENSG0000C	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr1-1677	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	8616	NM_024569	9019	Hs.493919	NM_003953	ENSG0000C	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr1-2123	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	AluY|SINE	4833	NR_004389	692157	Hs.707958	NR_004389	ENSG0000C	SNORA16B	U98b	small nuc	snoRNA
chr10-737	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr10	73759409	73770961	+	0	NA	intron (N	intron (N	-7091	NM_173540	170384	Hs.588854	NM_173540	ENSG0000C	FUT11	FUCTXI	fucosyltr	protein-coding
chr10-103	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	60788	NM_001351	22978	Hs.97439	NM_012229	ENSG0000C	NT5C2	GMP|NT5B|	5'-nucle	protein-coding
chr11-111	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	44586	NM_002716	5519	Hs.269128	NM_002716	ENSG0000C	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr12-308	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr12	308767	313255	+	0	NA	exon (NM_	exon (NM_	-48138	NM_001190	6540	Hs.504398	NM_016615	ENSG0000C	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-561	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr12	56176624	56186590	+	0	NA	intron (N	intron (N	7876	NM_139067	6601	Hs.236030	NM_003075	ENSG0000C	SMARCC2	BAF170|CR	SWI/SNF r	protein-coding
chr12-578	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr12	57819124	57829344	+	0	NA	TTS (NR_C	TTS (NR_C	458	NR_029847	407016		NR_029847	ENSG0000C	MIR26A2	MIRN26A2|	microRNA	ncRNA
chr15-434	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr15	43467935	43481047	+	0	NA	intron (N	A-rich|Lo	18665	NM_001141	7158	Hs.440968	NM_005657	ENSG0000C	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr15-656	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr15	65669715	65672172	+	0	NA	intron (N	intron (N	25993	NR_145750	1.1E+08		NR_145750	ENSG0000C	SNORD13E	-	small nuc	snoRNA
chr16-160	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr16	16097884	16130187	+	0	NA	intron (N	MER1B|DNA	109436	NM_001079	368	Hs.442182	NM_001171	ENSG0000C	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr16-298	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr16	29830366	29843970	+	0	NA	intron (N	L2b|LINE|	6653	NM_001293	9961	Hs.632177	NM_005115	ENSG0000C	MVP	LRP|VAULT	major vau	protein-coding
chr17-442	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr17	44214141	44217065	+	0	NA	intron (N	intron (N	4072	NM_001076	7343	Hs.89781	NM_014233	ENSG0000C	UBTF	CONDBA|NC	upstream	protein-coding
chr17-488	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr17	48850635	48853767	+	0	NA	intron (N	intron (N	21166	NM_001261	10241	Hs.514920	NM_005831	ENSG0000C	CALCOCO2	NDP52	calcium b	protein-coding
chr17-816	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr17	81615668	81629586	+	0	NA	intron (N	AluSx1|SI	14485	NM_001369	55666	Hs.464333	NM_017921	ENSG0000C	NPLOC4	NPL4	NPL4 homo	protein-coding
chr19-181	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr19	18162068	18164349	+	0	NA	intron (N	intron (N	10045	NM_005027	5296	Hs.371344	NM_005027	ENSG0000C	PIK3R2	MPPH|MPPH	phosphoin	protein-coding
chr19-407	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr19	40758065	40766119	+	0	NA	intron (N	intron (N	10889	NM_004596	6626	Hs.466775	NM_004596	ENSG0000C	SNRPA	Mud1|U1-A	small nuc	protein-coding
chr2-2761	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr2	27615154	27619481	+	0	NA	intron (N	intron (N	-11331	NM_001145	11321	Hs.18259	NM_007266	ENSG0000C	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr20-639	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr20	63984221	63986082	+	0	NA	intron (N	AluJr|SIN	4019	NM_012469	24148	Hs.31334	NM_012469	ENSG0000C	PRPF6	ANT-1|ANT	pre-mRNA	protein-coding
chr3-5245	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr3	52457770	52462251	+	0	NA	intron (N	AluSx1|SI	4406	NM_007184	11188	Hs.435290	NM_007184	ENSG0000C	NISCH	I-1|IR1|I	nischarin	protein-coding
chr4-1505	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr4	15057715	15060726	+	0	NA	exon (NM_	exon (NM_	56739	NM_001177	132864	Hs.656937	NM_182485	ENSG0000C	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr5-7559	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr5	75593151	75593350	+	0	NA	intron (N	AluSg|SIN	-18226	NM_001276	728780	Hs.370455	NM_001271	ENSG0000C	ANKDD1B	-	ankyrin r	protein-coding
chr5-1511	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	7661	NM_001193	309	Hs.412117	NM_001155	ENSG0000C	ANXA6	ANX6|CBP6	annexin A	protein-coding

chr6-3057	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr6	30576517	30588913	+	0	NA	intron (N	AluJb|SIN	-1617	NR_030615	1E+08		NR_030615	ENSG00000	MIR877	MIRN877|h	microRNA	ncRNA
chr6-1587	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-4547	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chrX-5320	9.913078	0.190306	0.740345	0.25705	0.79714	0.981636	chrX	53202688	53220685	+	0	NA	intron (N	intron (N	-12741	NR_106954	1.02E+08		NR_106954	ENSG00000	MIR6894	hsa-mir-6	microRNA	ncRNA
chr17-441	8.391882	0.206747	0.804691	0.256927	0.797235	0.981636	chr17	44195176	44195944	+	0	NA	intron (N	intron (N	2601	NM_001098	56970	Hs.512651	NM_020218	ENSG00000	ATXN7L3	-	ataxin 7	protein-coding
chr2-2312	8.391882	0.206747	0.804691	0.256927	0.797235	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSz|SIN	10560	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr4-8283	8.391882	0.206747	0.804691	0.256927	0.797235	0.981636	chr4	82832333	82833369	+	0	NA	intron (N	L1PA6|LIN	-33994	NM_024906	79966	Hs.379191	NM_024906	ENSG00000	SCD5	ACOD4|FAD	stearoyl-	protein-coding
chr7-3588	8.391882	0.206747	0.804691	0.256927	0.797235	0.981636	chr7	35888819	35889920	+	0	NA	intron (N	intron (N	88150	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-9270	8.391882	0.206747	0.804691	0.256927	0.797235	0.981636	chr7	92705253	92705950	+	0	NA	intron (N	intron (N	-115211	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr1-2306	7.375132	0.221946	0.863906	0.25691	0.797249	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	20351	NM_000029	183	Hs.19383	NM_000029	ENSG00000	AGT	ANHU|SERF	angiotens	protein-coding
chr19-466	8.590716	-0.20629	0.803151	-0.25685	0.797296	0.981636	chr19	46674674	46674873	+	0	NA	intron (N	intron (N	13295	NR_040041	1.01E+08	Hs.434327	NR_040041	ENSG00000	DACT3-AS1	-	DACT3 ant	ncRNA
chr2-1217	6.432803	0.247501	0.965032	0.25647	0.797588	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	MER1B|DNA	4707	NM_004622	7247	Hs.75066	NM_004622	ENSG00000	TSN	BCLF-1|C3	translin	protein-coding
chr1-2306	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr1	2306590	2308560	+	0	NA	3’ UTR (N	3’ UTR (N	45086	NR_024489	1E+08	Hs.655313	NM_001127	ENSG00000	LOC100129	-	small nuc	pseudo
chr1-6698	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr1	66981723	66984088	+	0	NA	intron (N	intron (N	52649	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr11-344	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr11	34470983	34473177	+	0	NA	TTS (NM_0	TTS (NM_0	33146	NM_001752	847	Hs.502302	NM_001752	ENSG00000	CAT	-	catalase	protein-coding
chr11-733	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr11	73358623	73366456	+	0	NA	exon (NM_	exon (NM_	-13860	NM_152222	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr12-109	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	37762	NM_032300	84260	Hs.410924	NM_032300	ENSG00000	TCHP	TpMs	trichople	protein-coding
chr12-120	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	16792	NR_039719	1.01E+08		NR_039719	ENSG00000	MIR4498	mir-4498	microRNA	ncRNA
chr13-113	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-17053	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA	ncRNA
chr15-904	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr15	90496895	90500653	+	0	NA	intron (N	AluSx|SIN	-31149	NM_022769	64784	Hs.567572	NM_022769	ENSG00000	CRTC3	TORC-3|TC	CREB regu	protein-coding
chr17-845	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr17	8459873	8463038	+	0	NA	intron (N	AluJo|SIN	25571	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr2-9587	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr2	95874286	95875215	+	0	NA	intron (N	L1PA3|LIN	-47769	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr2-2153	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	AluSx|SIN	14273	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-356	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr20	35627882	35631212	+	0	NA	intron (N	MIR|SINE|	13663	NM_001317	6676	Hs.123159	NM_003116	ENSG00000	SPAG4	CT127|SUN	sperm ass	protein-coding
chr20-505	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr20	50574351	50580104	+	0	NA	intron (N	L2b|LINE|	-8559	NR_030375	693230		NR_030375	ENSG00000	MIR645	MIRN645|h	microRNA	ncRNA
chr20-505	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr20	50598835	50606217	+	0	NA	non-codin	non-codin	12259	NR_031634	1E+08		NR_031634	ENSG00000	MIR1302-5	MIRN1302-	microRNA	ncRNA
chr3-1558	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr3	15588251	15589597	+	0	NA	intron (N	intron (N	-12428	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding
chr3-5839	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr3	58394401	58401457	+	0	NA	intron (N	intron (N	35903	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr3-8697	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr3	86977194	86978096	+	0	NA	intron (N	MER5A|DNA	13504	NM_001320	389136	Hs.606507	NM_016206	ENSG00000	VGLL3	VGL-3|VGL	vestigial	protein-coding
chr4-7616	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr4	76167496	76170733	+	0	NA	intron (N	intron (N	-20599	NR_103781	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-1135	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSp|SIN	19720	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-3062	9.408632	0.19468	0.759972	0.256168	0.797821	0.981636	chr6	30628766	30631829	+	0	NA	intron (N	AluJb|SIN	3423	NM_001031	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr6-3061	11.43427	0.178256	0.696075	0.256087	0.797883	0.981636	chr6	30619656	30621966	+	0	NA	intron (N	AluSx3|SI	2971	NM_014046	28973	Hs.655329	NM_014046	ENSG00000	MRPS18B	C6orf14|H	mitochond	protein-coding
chr1-1097	10.92983	0.181432	0.709492	0.255721	0.798166	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	3726	NR_024537	2947	Hs.2006	NM_000849	ENSG00000	GSTM3	GST5|GSTB	glutathio	protein-coding
chr1-2126	10.92983	0.181432	0.709492	0.255721	0.798166	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	intron (N	2909	NM_001206	467	Hs.460	NM_001674	ENSG00000	ATF3	-	activatin	protein-coding
chr12-962	10.92983	0.181432	0.709492	0.255721	0.798166	0.981636	chr12	96247112	96247742	+	0	NA	exon (NM_	exon (NM_	-8071	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr16-319	10.92983	0.181432	0.709492	0.255721	0.798166	0.981636	chr16	31912891	31918524	+	0	NA	exon (NM_	exon (NM_	41900	NM_003414	10308	Hs.460645	NM_003414	ENSG00000	ZNF267	HZF2	zinc fing	protein-coding
chr5-1346	10.92983	0.181432	0.709492	0.255721	0.798166	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSq2|SI	32528	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr8-4318	9.954217	0.191712	0.750102	0.255581	0.798274	0.981636	chr8	43183114	43185019	+	0	NA	intron (N	L1PA5|LIN	43602	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr1-1968	4.460228	-0.27622	1.080887	-0.25555	0.798302	0.981636	chr1	19689726	19690518	+	0	NA	intron (N	LTR28B|LT	25247	NM_000871	3362	Hs.22180	NM_000871	ENSG00000	HTR6	5-HT6|5-H	5-hydroxy	protein-coding
chr17-475	4.460228	-0.27622	1.080887	-0.25555	0.798302	0.981636	chr17	47572069	47573004	+	0	NA	intron (N	HAL1|LINE	41428	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr4-1696	4.460228	-0.27622	1.080887	-0.25555	0.798302	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	17917	NM_001829	1182	Hs.481186	NM_001829	ENSG00000	CLCN3	CLC3|ClC-	chloride	protein-coding
chr1-3538	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr1	35385482	35388234	+	0	NA	intron (N	L2a|LINE|	-20781	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr10-100	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSx1|SI	-27601	NM_017893	57715	Hs.591923	NM_017893	ENSG00000	SEMA4G	-	semaphori	protein-coding
chr10-110	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	11291	NM_004419	1847	Hs.2128	NM_004419	ENSG00000	DUSP5	DUSP|HVH3	dual spec	protein-coding
chr11-627	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr11	62700904	62702058	+	0	NA	intron (N	MER47A|DN	4834	NM_001130	26580	Hs.533709	NM_032667	ENSG00000	BSCL2	GNG3LG|HM	BSCL2 lip	protein-coding
chr13-331	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr13	33129098	33131098	+	0	NA	exon (NM_	exon (NM_	55993	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr15-586	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr15	58618959	58620984	+	0	NA	intron (N	intron (N	73636	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-671	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr15	67153067	67156545	+	0	NA	intron (N	intron (N	-11349	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr2-1310	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc5|SI	18875	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr3-1231	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr3	12315028	12315668	+	0	NA	intron (N	L1MA5|LIN	2968	NM_001330	5468	Hs.162646	NM_005037	ENSG00000	PPARG	CIMT1|GLM	peroxisom	protein-coding
chr4-5542	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr4	55427749	55428843	+	0	NA	3’ UTR (N	3’ UTR (N	32339	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr4-1382	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	14222	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr5-3895	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr5	38952802	38953800	+	0	NA	intron (N	intron (N	107289	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-1703	8.623997	-0.20231	0.792165	-0.25539	0.798423	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	10992	NM_032448	84498	Hs.369522	NM_032448	ENSG00000	FAM120B	CCPG|KIAA	family wi	protein-coding
chr19-744	8.433021	0.20821	0.816102	0.255127	0.798625	0.981636	chr19	7442331	7442916	+	0	NA	intron (N	intron (N	2935	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr15-706	3.949774	-0.2994	1.173624	-0.25511	0.79864	0.981636	chr15	70690633	70691728	+	0	NA	intron (N	intron (N	11102	NM_001008	55075	Hs.108049	NM_018003	ENSG00000	UACA	NUCLING	uveal aut	protein-coding
chr1-3928	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr1	39282510	39290241	+	0	NA	intron (N	intron (N	-122698	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-3948	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr1	39484108	39486855	+	0	NA	intron (N	intron (N	-6155	NM_181809	353500	Hs.472497	NM_181809	ENSG00000	BMP8A	-	bone morp	protein-coding
chr1-1715	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	-62143	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-1801	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	12810	NM_002826	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-1831	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	31239	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr12-571	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr12	57153441	57174347	+	0	NA	intron (N	AluSz|SIN	-16275	NR_131939	1.06E+08	Hs.609540	NR_131938	ENSG00000	LRP1-AS	-	LRP1 anti	ncRNA
chr14-213	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr14	21387985	21408179	+	0	NA	promoter-	promoter-	-681	NR_002916	319103	Hs.680078	NR_002916	ENSG00000	SNORD8	RNU6C|mgU	small nuc	snoRNA
chr16-302	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr16	30226923	30230103	+	0	NA	intron (N	intron (N	17342	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr17-402	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr17	4022981	4035888	+	0	NA	intron (N	L1MD|LINE	52331	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-418	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr17	41875983	41880461	+	0	NA	intron (N	intron (N	-12799	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr19-442	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr19	44223878	44237171	+	0	NA	intron (N	L2a|LINE|	17992	NM_182490	7770	Hs.298089	NM_182490	ENSG00000	ZNF227	-	zinc fing	protein-coding
chr22-412	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr22	41244958	41285091	+	0	NA	intron (N	L2c|LINE|	-11974	NR_106949	1.02E+08		NR_106949	ENSG00000	MIR6889	hsa-mir-6	microRNA	ncRNA
chr9-1314	10.42538	0.184938	0.725137	0.255039	0.798693	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	17499	NM_013318	84726	Hs.743955	NM_013318	ENSG00000	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr1-1137	7.887436	0.212892	0.834756	0.255035	0.798696	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	15086	NR_130896	54665	Hs.486285	NM_018364	ENSG00000	RSBN1	KDM9|ROSE	round spe	protein-coding
chr14-761	7.887436	0.212892	0.834756	0.255035	0.798696	0.981636	chr14	76197109	76197562	+	0	NA	TTS (NM_0	TTS (NM_0	42981	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch d	protein-coding
chr17-757	7.887436	0.212892	0.834756	0.255035	0.798696	0.981636	chr17	7570200	7571317	+	0	NA	non-codin	non-codin	-2067	NM_001416	1973	Hs.129673	NM_001416	ENSG00000	EIF4A1	DDX2A|EIF	eukaryoti	protein-coding
chr7-3589	7.887436	0.212892	0.834756	0.255035	0.798696	0.981636	chr7	35895573	35895881	+	0	NA	intron (N	intron (N	94508	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-1283	7.887436	0.212892	0.834756	0.255035	0.798696	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	14491	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr5-1373	7.667803	-0.21872	0.858135	-0.25488	0.798814	0.981636	chr5	13734860	13735259	+	0	NA	intron (N	intron (N	209421	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr12-226	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr12	22676109	22677418	+	0	NA	intron (N	L1PA7|LIN	51592	NM_001039	55500	Hs.29464	NM_018638	ENSG00000	ETNK1	EKI|EKI 1	ethanolam	protein-coding
chr15-421	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr15	42195823	42198469	+	0	NA	intron (N	L1PA5|LIN	2520	NR_030357	693212		NR_030357	ENSG00000	MIR627	MIRN627|h	microRNA	ncRNA
chr17-471	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr17	47178092	47179504	+	0	NA	intron (N	AluSp|SIN	10497	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr2-3249	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr2	32498472	32500179	+	0	NA	intron (N	intron (N	-32828	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-4232	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr2	42328954	42330297	+	0	NA	intron (N	intron (N	30413	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr22-409	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr22	40963865	40964853	+	0	NA	intron (N	intron (N	12981	NM_014248	9978	Hs.474949	NM_014248	ENSG00000	RBX1	BA554C12.	ring-box	protein-coding
chr22-411	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr22	41143494	41144098	+	0	NA	intron (N	AluSz6|SI	51204	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr7-3255	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr7	32551175	32553675	+	0	NA	intron (N	intron (N	56936	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-1405	8.162541	-0.2081	0.816517	-0.25487	0.798826	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	37241	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr1-1010	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr1	10102803	10104700	+	0	NA	intron (N	AluSc5|SI	70793	NM_001105	10277	Hs.593974	NM_006048	ENSG00000	UBE4B	E4|HDNB1|	ubiquitin	protein-coding
chr1-3485	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr1	34854263	34855676	+	0	NA	3’ UTR (N	3’ UTR (N	4076	NM_001164	113444	Hs.27160	NM_138428	ENSG00000	SMIM12	C1orf212	small int	protein-coding
chr1-4619	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr1	46193084	46194006	+	0	NA	intron (N	intron (N	3954	NM_001290	55624	Hs.525134	NM_017739	ENSG00000	POMGNT1	GNTI.2|Gn	protein (	protein-coding
chr1-1788	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-18259	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr12-768	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr12	76805958	76807141	+	0	NA	intron (N	AluSx|SIN	42291	NM_001359	23390	Hs.4014	NM_015336	ENSG00000	ZDHHC17	DHHC-17|H	zinc fing	protein-coding
chr12-132	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSq2|SI	26709	NM_001161	55743	Hs.720197	NM_018223	ENSG00000	CHFR	RNF116|RN	checkpoin	protein-coding
chr16-885	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr16	88598678	88601196	+	0	NA	exon (NM_	exon (NM_	29534	NM_144604	124245	Hs.93670	NM_144604	ENSG00000	ZC3H18	NHN1	zinc fing	protein-coding
chr2-1118	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr2	11182709	11183600	+	0	NA	3’ UTR (N	3’ UTR (N	27687	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|P	solute ca	protein-coding
chr2-1718	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	SVA_C|Ret	27044	NM_003705	8604	Hs.470608	NM_003705	ENSG00000	SLC25A12	AGC1|ARAL	solute ca	protein-coding
chr4-8711	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr4	87114698	87115841	+	0	NA	exon (NM_	exon (NM_	104999	NM_001292	57563	Hs.106601	NM_020803	ENSG00000	KLHL8	-	kelch lik	protein-coding
chr6-1349	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-17860	NR_037435	1.01E+08		NR_037435	ENSG00000	MIR3662	mir-3662	microRNA	ncRNA
chr8-4218	8.904186	0.199523	0.783094	0.254788	0.798887	0.981636	chr8	42182394	42183496	+	0	NA	intron (N	intron (N	24620	NM_000930	5327	Hs.491582	NM_000930	ENSG00000	PLAT	T-PA|TPA	plasminog	protein-coding
chr2-1999	8.680853	-0.20314	0.79758	-0.25469	0.798962	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	THE1C-int	5627	NM_153689	205327	Hs.154494	NM_153689	ENSG00000	C2orf69	-	chromosom	protein-coding
chr6-1754	8.680853	-0.20314	0.79758	-0.25469	0.798962	0.981636	chr6	17542679	17543946	+	0	NA	intron (N	intron (N	-32047	NR_110855	1.02E+08	Hs.622876	NR_110855		LOC101928	-	uncharact	ncRNA
chr1-3094	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr1	30944756	30946913	+	0	NA	intron (N	AluSx|SIN	3371	NR_004054	692234		NR_004054		SNORD103A	U103	small nuc	snoRNA
chr12-907	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr12	9075849	9080285	+	0	NA	intron (N	intron (N	12890	NR_137424	144571	Hs.592432	NR_026971	ENSG00000	A2M-AS1	-	A2M antis	ncRNA
chr12-570	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr12	57001685	57003653	+	0	NA	3’ UTR (N	3’ UTR (N	3877	NM_014830	9880	Hs.591025	NM_014830	ENSG00000	ZBTB39	ZNF922	zinc fing	protein-coding
chr13-114	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-42699	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr19-572	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr19	57204061	57208397	+	0	NA	intron (N	intron (N	14729	NM_003417	9422	Hs.515634	NM_003417	ENSG00000	ZNF264	-	zinc fing	protein-coding
chr2-3882	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr2	38822499	38823684	+	0	NA	exon (NM_	exon (NM_	44881	NM_024775	79833	Hs.143818	NM_024775	ENSG00000	GEMIN6	-	gem nucle	protein-coding
chr21-448	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr21	44863695	44865204	+	0	NA	intron (N	AluSq4|SI	9241	NM_004339	754	Hs.474010	NM_004339	ENSG00000	PTTG1IP	C21orf1|C	PTTG1 int	protein-coding
chr3-4123	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr3	41239084	41239878	+	0	NA	3’ UTR (N	3’ UTR (N	39976	NM_001098	1499	Hs.476018	NM_001904	ENSG00000	CTNNB1	CTNNB|EVR	catenin b	protein-coding
chr3-4870	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr3	48704608	48707929	+	0	NA	intron (N	AluJr|SIN	10953	NM_001005	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr5-1160	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	7751	NM_001308	51397	Hs.483136	NM_016144	ENSG00000	COMMD10	PTD002	COMM doma	protein-coding
chr6-1485	8.672995	-0.20156	0.791382	-0.25469	0.798962	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	25254	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUH	SAM and S	protein-coding
chr11-776	7.214204	-0.22779	0.894887	-0.25455	0.799075	0.981636	chr11	77607375	77608308	+	0	NA	intron (N	intron (N	17888	NM_173039	282679	Hs.503345	NM_173039	ENSG00000	AQP11	AQPX1	aquaporin	protein-coding
chr5-1448	8.219396	-0.20886	0.821762	-0.25416	0.799371	0.981636	chr5	14485699	14486234	+	0	NA	intron (N	AluSp|SIN	21983	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr15-653	6.870686	0.229873	0.904752	0.254073	0.799439	0.981636	chr15	65395058	65395460	+	0	NA	intron (N	intron (N	-17257	NM_004884	9543	Hs.128292	NM_004884	ENSG00000	IGDCC3	HsT18880|	immunoglo	protein-coding
chr2-2320	6.870686	0.229873	0.904752	0.254073	0.799439	0.981636	chr2	2.32E+08	2.32E+08	+	0	NA	intron (N	intron (N	63129	NR_046477	129563	Hs.732236	NM_152383	ENSG00000	DIS3L2	FAM6A|PRL	DIS3 like	protein-coding
chr4-1978	6.870686	0.229873	0.904752	0.254073	0.799439	0.981636	chr4	1978844	1979151	+	0	NA	3’ UTR (N	3’ UTR (N	4361	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Caj	ncRNA
chr1-1503	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx3|SI	8053	NM_018997	54460	Hs.405880	NM_018997	ENSG00000	MRPS21	MDS016|MR	mitochond	protein-coding
chr1-2292	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	L2c|LINE|	-4106	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr1-2315	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	intron (N	intron (N	9163	NM_005999	7257	Hs.13318	NM_005999	ENSG00000	TSNAX	C3PO|TRAX	translin	protein-coding
chr12-193	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr12	19347672	19349198	+	0	NA	exon (NM_	exon (NM_	-91057	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr16-366	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr16	3667433	3669545	+	0	NA	intron (N	intron (N	13785	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribo	protein-coding
chr5-1107	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	L2c|LINE|	7845	NM_001303	91137	Hs.75639	NM_138773	ENSG00000	SLC25A46	HMSN6B	solute ca	protein-coding
chr6-1782	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr6	17824925	17826190	+	0	NA	intron (N	intron (N	118514	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-7346	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr6	73466331	73469708	+	0	NA	intron (N	AluSc|SIN	6282	NM_001123	25821	Hs.347614	NM_012123	ENSG00000	MTO1	CGI-02|CC	mitochond	protein-coding
chr7-1075	9.920936	0.188805	0.743422	0.253967	0.799521	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	L1M3e|LIN	-17272	NM_001270	11062	Hs.97627	NM_181581	ENSG00000	DUS4L	DUS4|PP35	dihydrour	protein-coding

chr2-951	9.449771	0.196088	0.77239	0.253872	0.799594	0.981636	chr2	95107841	95109780	+	0	NA	intron (	L1ME3G|LI	12747	NM_001321	64969	Hs.65525	NM_03190	ENSG0000	MRPS5	MRP-S5|S	mitochon	protein-coding
chr4-554	9.449771	0.196088	0.77239	0.253872	0.799594	0.981636	chr4	55426612	55426919	+	0	NA	TTS (NM_	TTS (NM_	30808	NM_01847	55858	Hs.47976	NM_01847	ENSG0000	TMEM165	CDG2K|FT2	transmem	protein-coding
chr16-351	8.211538	-0.20726	0.816716	-0.25378	0.799667	0.981636	chr16	3515886	3516545	+	0	NA	intron (	intron (	6321	NM_02479	23059	Hs.15599	NM_015041	ENSG0000	CLUAP1	CFAP22|F	clusteri	protein-coding
chr1-565	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr1	56557317	56558183	+	0	NA	intron (	intron (	21813	NM_00371	8613	Hs.40515	NM_00371	ENSG0000	PLPP3	Dri42|LP	phospholi	protein-coding
chr10-89	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr10	89598178	89599066	+	0	NA	intron (	intron (	-5795	NR_029524	406901		NR_029524	ENSG0000	MIR107	MIRN107|m	microRNA	ncRNA
chr10-12	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	TTS (NM_	TTS (NM_	26747	NM_01818	55760	Hs.37029	NM_01818	ENSG0000	DHX32	DDX32|DH	DEAH-box	protein-coding
chr11-68	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr11	68568560	68569925	+	0	NA	intron (	intron (	108490	NM_001352	55291	Hs.50302	NM_01831	ENSG0000	PPP6R3	C11orf23|	protein	protein-coding
chr15-62	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr15	62820498	62821481	+	0	NA	intron (	intron (	-2968	NR_02970	406965		NR_02970	ENSG0000	MIR190A	MIR190|M	microRNA	ncRNA
chr19-104	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr19	10456333	10457162	+	0	NA	intron (	intron (	3815	NM_00620	5141	Hs.89901	NM_00620	ENSG0000	PDE4A	DPDE2|PD	phosphodi	protein-coding
chr7-7511	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr7	75112161	75112689	+	0	NA	exon (NM_	exon (NM_	18393	NM_00136	389524	Hs.647017	NM_00100	ENSG0000	GTF2IRD2	GTF2IRD2|	GTF2I re	protein-coding
chr9-114	4.45237	-0.27331	1.077019	-0.25376	0.79968	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	-12450	NM_000607	5004	Hs.52235	NM_000607	ENSG0000	ORM1	AGP-A|AG	orosomuc	protein-coding
chr12-71	10.37638	0.185016	0.729094	0.253761	0.79968	0.981636	chr12	71649828	71650349	+	0	NA	intron (	AluY|SIN	13760	NM_144982	196441	Hs.24579	NM_144982	ENSG0000	ZFC3H1	CCDC131|	zinc fin	protein-coding
chr1-564	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr1	56499813	56501003	+	0	NA	intron (	L2c|LINE|	79155	NM_00371	8613	Hs.40515	NM_00371	ENSG0000	PLPP3	Dri42|LP	phospholi	protein-coding
chr1-867	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr1	86741706	86744049	+	0	NA	intron (	AluJb|SI	38301	NM_01600	51100	Hs.13630	NM_01600	ENSG0000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr1-147	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	non-codi	non-codi	52435	NM_00134	9557	Hs.191164	NM_004284	ENSG0000	CHD1L	ALC1|CHD	chromodo	protein-coding
chr11-104	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	14904	NM_03330	837	Hs.13837	NM_00122	ENSG0000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr12-68	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr12	6836770	6839558	+	0	NA	intron (	intron (	-2761	NM_001297	2784	Hs.631657	NM_00207	ENSG0000	GNB3	CSNB1H	G protei	protein-coding
chr12-122	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (	AluSx1|SI	-23537	NR_045382	1.01E+08	Hs.62425	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr14-50	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr14	50922685	50924074	+	0	NA	intron (	AluSx|SI	21104	NM_00286	5836	Hs.282417	NM_00286	ENSG0000	PYGL	GSD6	glycogen	protein-coding
chr14-51	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr14	51256980	51258405	+	0	NA	TTS (NM_	TTS (NM_	17445	NM_03075	81542	Hs.125221	NM_03075	ENSG0000	TMX1	PDIA11|T	thioredo	protein-coding
chr14-81	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr14	81214575	81216317	+	0	NA	intron (	Charlie1	5513	NM_01585	2957	Hs.592334	NM_01585	ENSG0000	GTF2A1	TF2A1|TFI	general t	protein-coding
chr14-921	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr14	92161343	92165074	+	0	NA	3’ UTR (	3’ UTR (	41239	NM_00132	53981	Hs.65763	NM_017437	ENSG0000	CPSF2	CPSF100	cleavage	protein-coding
chr16-72	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr16	72950403	72950774	+	0	NA	exon (NM_	exon (NM_	97540	NM_00688	463	Hs.598297	NM_00688	ENSG0000	ZFHX3	ATBF1|AT	zinc fin	protein-coding
chr17-304	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr17	30491838	30497388	+	0	NA	intron (	AluSx1|SI	17205	NM_001007	9527	Hs.46268	NM_004871	ENSG0000	GOSR1	GOLIM2|G	golgi SN	protein-coding
chr17-511	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr17	51169803	51172206	+	0	NA	intron (	intron (	4282	NM_00101	4831	Hs.46345	NM_00251	ENSG0000	NME2	NDKB|NDP	NME/NM23	protein-coding
chr17-56	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr17	56948860	56950787	+	0	NA	intron (	intron (	11227	NM_00464	8161	Hs.53279	NM_00464	ENSG0000	COIL	CLN80|p8	coilin	protein-coding
chr17-61	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr17	61959780	61962807	+	0	NA	intron (	AluSx|SI	-33311	NM_00133	57508	Hs.27964	NM_02074	ENSG0000	INTS2	INT2|KIA	integrat	protein-coding
chr17-67	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr17	67352618	67356459	+	0	NA	intron (	intron (	12039	NM_00281	5718	Hs.4295	NM_00281	ENSG0000	PSMD12	Rpn5|STI	proteaso	protein-coding
chr18-127	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr18	12706532	12709414	+	0	NA	intron (	intron (	4931	NM_02023	56984	Hs.46465	NM_02023	ENSG0000	PSMG2	CLAST3|H	proteaso	protein-coding
chr19-21	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr19	21367174	21374455	+	0	NA	intron (	intron (	11814	NM_00135	148203	Hs.124384	NM_00135	ENSG0000	ZNF738	-	zinc fin	protein-coding
chr19-47	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr19	47364725	47368039	+	0	NA	intron (	AluSz|SI	17067	NM_014681	9704	Hs.15170	NM_014681	ENSG0000	DHX34	DDX34|HR	DExH-box	protein-coding
chr2-3924	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr2	39249916	39255799	+	0	NA	intron (	intron (	-8874	NR_144521	344387	Hs.403201	NM_00100	ENSG0000	CDKL4	-	cyclin d	protein-coding
chr2-850	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr2	85037189	85037859	+	0	NA	intron (	intron (	29823	NR_14645	1.01E+08	Hs.43439	NR_14645	ENSG0000	LINC01964	-	long int	ncRNA
chr2-110	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (	intron (	44914	NM_005054	84220	Hs.46963	NM_005054	ENSG0000	RGPD5	BS-63|BS	RANBP2 li	protein-coding
chr2-239	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (	L1MEf|LI	-27199	NR_03994	1.01E+08		NR_03994	ENSG0000	MIR4786	mir-4786	microRNA	ncRNA
chr2-241	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (	intron (	4550	NM_01596	51078	Hs.43575	NM_01596	ENSG0000	THAP4	CGI-36|N	THAP dom	protein-coding
chr3-937	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr3	9370512	9378927	+	0	NA	intron (	intron (	11665	NM_01545	25917	Hs.443081	NM_01545	ENSG0000	THUMPD3	-	THUMP do	protein-coding
chr3-1007	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	35635	NM_00119	10342	Hs.51812	NM_00607	ENSG0000	TFG	HMSNP|SP	trafficki	protein-coding
chr3-105	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr3	1.06E+08	1.06E+08	+	0	NA	intron (	intron (	175957	NM_001627	214	Hs.59129	NM_001627	ENSG0000	ALCAM	CD166|ME	activate	protein-coding
chr4-390	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr4	39081518	39083421	+	0	NA	intron (	intron (	20237	NM_19903	51088	Hs.272251	NM_01599	ENSG0000	KLHL5	-	kelch li	protein-coding
chr4-392	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr4	39296719	39297638	+	0	NA	intron (	L1PA2|LI	69184	NM_001204	5981	Hs.50747	NM_00291	ENSG0000	RFC1	A1|CANVA	replicati	protein-coding
chr4-182	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (	AluSx1|SI	3164	NM_001351	1635	Hs.18385	NM_001921	ENSG0000	DCTD	-	dCMP dea	protein-coding
chr5-128	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	206396	NM_00104	6558	Hs.16258	NM_00104	ENSG0000	SLC12A2	BSC|BSC2|	solute c	protein-coding
chr5-177	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (	intron (	-3938	NM_01622	51428	Hs.48428	NM_01622	ENSG0000	DDX41	ABS|MPLP	DEAD-box	protein-coding
chr6-872	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr6	87223016	87224703	+	0	NA	intron (	L1MC3|LI	68294	NM_015021	23036	Hs.44480	NM_015021	ENSG0000	ZNF292	Nbla0036	zinc fin	protein-coding
chr6-1437	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (	L1MD2|LI	47623	NM_00110	9749	Hs.102471	NM_014721	ENSG0000	PHACTR2	C6orf56	phosphat	protein-coding
chr7-479	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr7	47963079	47967261	+	0	NA	3’ UTR (	3’ UTR (	14445	NM_00136	3364	Hs.15298	NM_004507	ENSG0000	HUS1	hHUS1	HUS1 che	protein-coding
chr7-743	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr7	74386486	74391206	+	0	NA	intron (	AluJo|SI	-65060	NM_00568	9569	Hs.64705	NM_00568	ENSG0000	GTF2IRD1	BEN|CREA	GTF2I re	protein-coding
chr8-3841	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr8	38412257	38415065	+	0	NA	exon (NM_	exon (NM_	26530	NM_00119	137994	Hs.696457	NM_14465	ENSG0000	LETM2	SLC55A2	leucine	protein-coding
chr9-571	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr9	5716894	5717546	+	0	NA	intron (	L1MEf|LI	88101	NM_00120	57589	Hs.21152	NM_02082	ENSG0000	RIC1	CIP150|KI	RIC1 hom	protein-coding
chr9-112	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	-52364	NM_001282	64420	Hs.494827	NM_02248	ENSG0000	SUSD1	-	sushi do	protein-coding
chr9-122	8.665137	-0.2	0.788246	-0.25373	0.799706	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (	AluSx1|SI	11997	NM_01883	54542	Hs.53349	NM_01883	ENSG0000	RC3H2	MNAB|RNF1	ring fin	protein-coding
chr7-137	9.359634	0.194742	0.767675	0.253677	0.799745	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (	LTR40c|LT	38608	NM_00131	64764	Hs.49027	NM_194071	ENSG0000	CREB3L2	BBF2H7	cAMP res	protein-coding
chr6-369	9.871938	0.188889	0.744751	0.253627	0.799784	0.981636	chr6	36901837	36903162	+	0	NA	intron (	MIRb|SIN	16547	NM_00128	221477	Hs.433381	NM_152734	ENSG0000	C6orf89	BRAP|PS1	chromoso	protein-coding
chr1-1557	9.085454	-0.19723	0.778271	-0.25342	0.799945	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (	FAM|SINE|	7955	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato f	pseudo
chrX-370	9.085454	-0.19723	0.778271	-0.25342	0.799945	0.981636	chrX	37092976	37093478	+	0	NA	Intergeni	Intergeni	-49435	NM_001271	441490		NM_001271682		FTH1P18	FTHL18	ferritin	protein-coding
chr1-171	10.88869	0.180138	0.7109	0.253394	0.799964	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (	intron (	-35542	NM_00136	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-203	10.88869	0.180138	0.7109	0.253394	0.799964	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (	MLT1C-int	16690	NM_001174	1E+08		NM_001174	ENSG0000	ZBED6	MGR	zinc fin	protein-coding
chr1-2201	10.88869	0.180138	0.7109	0.253394	0.799964	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (	L1ME3E|LI	11831	NR_03170	1E+08		NR_03170	ENSG0000	MIR664A	MIR664|MI	microRNA	ncRNA
chr4-5547	10.88869	0.180138	0.7109	0.253394	0.799964	0.981636	chr4	55473619	55475211	+	0	NA	intron (	Tigger1|	71517	NM_001267	9575	Hs.43697	NM_00489	ENSG0000	CLOCK	KAT13D|b	clock ci	protein-coding
chr10-684	8.855188	0.199599	0.788016	0.253293	0.800041	0.981636	chr10	68488641	68489285	+	0	NA	intron (	intron (	-16842	NR_102264	1763	Hs.53244	NM_00108	ENSG0000	DNA2	DNA2L|hD	DNA repli	protein-coding
chr6-4261	8.855188	0.199599	0.788016	0.253293	0.800041	0.981636	chr6	42617078	42618369	+	0	NA	intron (	intron (	53694	NM_001184	23304	Hs.52992	NM_01525	ENSG0000	UBR2	C6orf133|	ubiquiti	protein-coding
chr3-1867	13.38235	-0.16409	0.647961	-0.25323	0.800088	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	promoter-	promoter-	133	NR_00258	6043	Hs.51847	NR_00258	ENSG0000	SNORA63	E3|E3-2|	small nu	snoRNA
chr5-150	9.367492	0.193189	0.763125	0.253155	0.800148	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	17957	NM_00136	22993	Hs.71918	NM_01498	ENSG0000	HMGXB3	HMGX3|SM	HMG-box	protein-coding
chr5-786	10.38424	0.183588	0.725269	0.25313	0.800168	0.981636	chr5	78630914	78632552	+	0	NA	intron (	AluSz|SI	17039	NM_00577	10184	Hs.79299	NM_00577	ENSG0000	LHFPL2	-	LHFPL te	protein-coding
chr5-134	10.38424	0.183588	0.725269	0.25313	0.800168	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	13905	NM_02198	10802	Hs.59554	NM_02198	ENSG0000	SEC24A	-	SEC24 ho	protein-coding
chr17-64	9.134451	-0.19651	0.776622	-0.25303	0.800246	0.981636	chr17	64633949	64634290	+	0	NA	intron (	AluSx|SI	28188	NM_02273	64750	Hs.515011	NM_02273	ENSG0000	SMURF2	-	SMAD spe	protein-coding
chr7-7301	13.83595	-0.16112	0.636846	-0.253	0.800268	0.981636	chr7	73013321	73014093	+	0	NA	intron (	AluSx|SI	7627	NR_13094	1E+08	Hs.29299	NR_130940		PMS2P7	PMS2L15|	PMS1 hom	pseudo
chr8-6577	10.93769	0.180082	0.712187	0.252858	0.800378	0.981636	chr8	65774944	65781228	+	0	NA	intron (	intron (	10971	NM_00260	5150	Hs.52711	NM_00260	ENSG0000	PDE7A	HCP1|PDE7	phosphodi	protein-coding
chr16-16	8.342884	0.206726	0.817688	0.252818	0.800409	0.981636	chr16	16289236	16289553	+	0	NA	intron (	MLT1A0|LT	-10765	NR_12870	1.04E+08		NR_12870	ENSG0000	MIR3179-4	hsa-mir-	microRNA	ncRNA
chr14-741	4.411231	-0.27798	1.099561	-0.25281	0.800414	0.981636	chr14	74101045	74101701	+	0	NA	intron (	intron (	16420	NM_001024	91750	Hs.61286	NM_001024	ENSG0000	LIN52	C14orf46|	lin-52 D	protein-coding
chr8-947	4.411231	-0.27798	1.099561	-0.25281	0.800414	0.981636	chr8	94731726	94733045	+	0	NA	intron (	intron (	12485	NM_181787	286148	Hs.56782	NM_181787	ENSG0000	DPY19L4	-	dpy-19 li	protein-coding
chr16-43	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr16	4334598	4335945	+	0	NA	intron (	intron (	3047	NM_03257	84662	Hs.592087	NM_03257	ENSG0000	GLIS2	NKL|NPHP7	GLIS fami	protein-coding
chr16-88	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr16	8893974	8894776	+	0	NA	intron (	intron (	-25363	NM_00127	23589	Hs.632184	NM_01431	ENSG0000	CARHSP1	CRHSP-24|	calcium	protein-coding
chr19-47	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr19	47066446	47067706	+	0	NA	exon (NM_	exon (NM_	-18452	NM_017854	54958	Hs.10560	NM_017854	ENSG0000	TMEM160	-	transmem	protein-coding
chr2-1087	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (	intron (	-27312	NM_001351	165055	Hs.36270	NM_14497	ENSG0000	CCDC138	-	coiled-c	protein-coding
chr20-33	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr20	3322594	3323098	+	0	NA	intron (	intron (	-83656	NM_001174	83959	Hs.105607	NM_032034	ENSG0000	SLC4A11	BTR1|CDP	solute c	protein-coding
chr22-304	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr22	30407336	30408019	+	0	NA	intron (	intron (	10659	NM_001204	23541	Hs.335614	NM_01242	ENSG0000	SEC14L2	C22orf6|	SEC14 li	protein-coding
chr3-124	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (	intron (	71293	NR_03608	1E+08		NR_03608	ENSG0000	MIR544B	-	microRNA	ncRNA
chr4-699	8.39974	0.204879	0.810535	0.25277	0.800446	0.981636	chr4	6998619	7002811	+	0	NA	intron (	intron (	13207	NM_00128	57533	Hs.518611	NM_02077	ENSG0000	TBC1D14	-	TBC1 dom	protein-coding
chr12-64	9.856222	0.191913	0.75933	0.252739	0.80047	0.981636	chr12	64078909	64079389	+	0	NA	intron (	intron (	143147	NM_00130	144577	Hs.444671	NM_15244	ENSG0000	C12orf66	-	chromoso	protein-coding
chr9-121	11.40099	0.175694	0.695315	0.252683	0.800513	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (	AluSz6|SI	17160	NM_198194	2040	Hs.25390	NM_00409	ENSG0000	STOM	BND7|EPB7	stomatin	protein-coding
chr1-405	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr1	40544813	40547591	+	0	NA	intron (	AluSc|SI	14565	NM_15237	127396	Hs.524767	NM_15237	ENSG0000	ZNF684	-	zinc fin	protein-coding
chr1-540	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr1	54042223	54043416	+	0	NA	intron (	MIR|SINE|	10385	NM_00487	9528	Hs.118947	NM_00487	ENSG0000	TMEM59	C1orf8|D	transmem	protein-coding
chr17-371	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr17	3714177	3718292	+	0	NA	intron (	intron (	-7669	NM_03196	83903	Hs.53405	NM_03196	ENSG0000	HASPIN	GSG2	histone	protein-coding
chr17-671	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr17	67106630	67109719	+	0	NA	intron (	intron (	63620	NM_000727	786	Hs.14798	NM_000727	ENSG0000	CACNG1	CACNLG	calcium	protein-coding
chr20-60	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr20	6023371	6025523	+	0	NA	intron (	Tigger1|	17198	NM_00132	54675	Hs.74395	NM_01909	ENSG0000	CRLS1	C20orf15	cardioli	protein-coding
chr3-3067	9.879796	0.187405	0.742067	0.252544	0.80062	0.981636	chr3	30672353	30673145	+	0	NA	intron (	intron (	66148	NM_00324	7048	Hs.82028	NM_00324	ENSG0000	TGFBR2	AAT3|FAA	transfor	protein-coding
chr1-218	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr1	21889141	21889511	+	0	NA	intron (	intron (	47984	NM_001291	3339	Hs.562227	NM_00552	ENSG0000	HSPG2	HSPG|PLC|	heparan	protein-coding
chr1-146	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (	intron (	35298	NM_00127	149013	Hs.666981	NM_00127	ENSG0000	NBPF12	COAS1|KI	NBPF mem	protein-coding
chr12-111	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	-24556	NR_015404	51275	Hs.33312	NR_015404	ENSG0000	MAPKAPK5-	C12orf47	MAPKAPK5	ncRNA
chr15-70	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr15	70835419	70836160	+	0	NA	intron (	intron (	-17450	NM_001284	54839	Hs.12692	NM_017691	ENSG0000	LRRC49	PGs4	leucine	protein-coding
chr2-993	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr2	99329311	99333174	+	0	NA	intron (	intron (	5091	NM_00578	10190	Hs.53612	NM_00578	ENSG0000	TXNDC9	APACD|PH	thioredo	protein-coding
chr4-475	9.126594	-0.19496	0.772289	-0.25244	0.8007	0.981636	chr4	47590099	47591716	+	0	NA	intron (	intron (	-61762	NR_10702	1.02E+08		NR_10702	ENSG0000	MIR8053	hsa-mir-	microRNA	ncRNA
chr17-294	8.350742	0.205016	0.812138	0.252439	0.800701	0.981636	chr17	29475106	29475456	+	0	NA	intron (	intron (	84356	NM_02514	57551	Hs.597434	NM_020791	ENSG0000	TAOK1	KFC-B|MA	TAO kina	protein-coding
chr1-203	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (	intron (	7983	NM_00136	493	Hs.34352	NM_001684	ENSG0000	ATP2B4	ATP2B2|M	ATPase p	protein-coding
chr16-67	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr16	67545087	67546624	+	0	NA	exon (NM_	exon (NM_	8393	NM_00119	79567	Hs.152717	NM_02451	ENSG0000	RIPOR1	FAM65A	RHO fami	protein-coding
chr17-824	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr17	82468827	82469559	+	0	NA	intron (	intron (	10452	NM_01233	26502	Hs.25652	NM_01233	ENSG0000	NARF	IOP2	nuclear	protein-coding
chr18-361	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr18	36159106	36160626	+	0	NA	intron (	intron (	27569	NR_13460	1.02E+08	Hs.60067	NR_13460	ENSG0000	LOC101927	-	uncharac	ncRNA
chr19-23	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr19	23356279	23357574	+	0	NA	TTS (NM_	TTS (NM_	38545	NM_00343	7644	Hs.58834	NM_00343	ENSG0000	ZNF91	HPF7|HTF1	zinc fin	protein-coding
chr19-52	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr19	52399507	52400382	+	0	NA	intron (	intron (	2095	NM_03242	84436	Hs.66204	NM_03242	ENSG0000	ZNF528	-	zinc fin	protein-coding
chr7-474	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr7	47438120	47440115	+	0	NA	intron (	intron (	25686	NR_14581	1.1E+08		NR_145813		SNORD151	-	small nu	snoRNA
chr7-100	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (	LTR33|LT	8737	NM_00136	7589	Hs.632294	NM_145914	ENSG0000	ZSCAN21	NY-REN-21	zinc fin	protein-coding
chr8-266	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr8	26651685	26652844	+	0	NA	exon (NM_	exon (NM_	73859	NM_001244	1808	Hs.593187	NM_00138	ENSG0000	DPYSL2	CRMP-2|C	dihydrop	protein-coding
chr9-2091	9.41649	0.193065	0.764887	0.252409	0.800725	0.981636	chr9	20919161	20920239	+	0	NA	intron (	L1PA3|LI	111940	NM_00101	401494	Hs.71667	NM_00101	ENSG0000	HACD4	PTPLAD2	3-hydrox	protein-coding
chr1-358	8.20368	-0.20564	0.814943	-0.25233	0.800784	0.981636	chr1	35831221	35831495	+	0	NA	intron (	AluSz|SI	23342	NM_01762	192670	Hs.74485	NM_01762	ENSG0000	AGO4	EIF2C4	argonaut	protein-coding
chr11-91	8.20368	-0.20564	0.814943	-0.25233	0.800784	0.981636	chr11	9159483	9160023	+	0	NA	intron (	L1MB7|LI	65390	NR_02771	283102	Hs.68947	NR_02771	ENSG0000	KRT8P41	-	keratin	pseudo
chr12-67	8.20368	-0.20564	0.814943	-0.25233	0.800784	0.981636	chr12	67282053	67283394	+	0	NA	intron (	Charlie2	13365	NM_00132	55832	Hs.546407	NM_01844	ENSG0000	CAND1	TIP120|T	cullin a	protein-coding
chr16-67	8.20368	-0.20564	0.814943	-0.25233	0.800784	0.981636	chr16	67939424	67939938	+	0	NA	TTS (NM_	TTS (NM_	-2831	NM_002801	5699	Hs.9661	NM_002801	ENSG0000	PSMB10	LMP10|ME	proteaso	protein-coding
chr17-637	8.20368	-0.20564	0.814943	-0.25233	0.800784	0.981636	chr17	63746115	63747031	+	0	NA	3’ UTR (	3’ UTR (	-4587	NM_00136	92335	Hs.51440	NM_15333	ENSG0000	STRADA	LYK5|NY-	STE20 re	protein-coding
chr10-741	10.89655	0.178773	0.70863	0.25228	0.800825	0.981636	chr10	74135211	74138416	+	0	NA	intron (	intron (	14015	NM_00132	26985	Hs.50010	NM_01209	ENSG0000	AP3M1	-	adaptor	protein-coding
chr14-617	10.89655	0.178773	0.70863	0.25228	0.800825	0.981636	chr14	61719937	61746226	+	0	NA	intron (	AluSx|SI	16008	NR_04540	1.01E+08	Hs.59721	NR_045406		HIF1A-AS	3’aHIF-1	HIF1A an	ncRNA
chr11-56	8.863046	0.197964	0.784771	0.252257	0.800843	0.981636	chr11	5665346	5665545	+	0	NA	3’ UTR (	3’ UTR (	19629	NM_03309	85363	Hs.12530	NM_033034	ENSG0000	TRIM5	RNF88|TRI	triparti	protein-coding
chr1-3127	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr1	31277642	31279629	+	0	NA	intron (	intron (	18153	NM_004814	9410	Hs.33962	NM_004814	ENSG0000	SNRNP40	40K|HPRP	small nu	protein-coding
chr1-532	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr1	53227177	53235677	+	0	NA	intron (	L1ME3Cz|	7091	NM_00237	4116	Hs.42157	NM_00237	ENSG0000	MAGOH	MAGOH1|M	mago hom	protein-coding
chr10-57	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr10	5789223	5800722	+	0	NA	exon (NM_	exon (NM_	18462	NM_001494	2665	Hs.29905	NM_001494	ENSG0000	GDI2	HEL-S-46	GDP diss	protein-coding
chr10-801	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr10	80156502	80158576	+	0	NA	intron (	intron (	24809	NM_001331	219348	Hs.204947	NM_00101	ENSG0000	PLAC9	-	placenta	protein-coding
chr11-93	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr11	93806347	93813124	+	0	NA	exon (NM_	exon (NM_	25453	NM_00426	9440	Hs.444931	NM_00426	ENSG0000	MED17	CRSP6|CR	mediator	protein-coding
chr11-104	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (	intron (	20100	NM_03330	837	Hs.13837	NM_00122	ENSG0000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr12-754	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr12	75495200	75507209	+	0	NA	3’ UTR (	3’ UTR (	10405	NM_00704	11103	Hs.645517	NM_00704	ENSG0000	KRR1	HRB2|RIP-	KRR1 sma	protein-coding
chr12-112	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-5978	NR_03743	1.01E+08		NR_03743	ENSG0000	MIR3657	-	microRNA	ncRNA
chr12-122	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	11422	NM_00135	55596	Hs.37706	NM_01761	ENSG0000	ZCCHC8	-	zinc fin	protein-coding
chr13-113	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	3’ UTR (	3’ UTR (	20466	NM_00100	8451	Hs.33973	NM_00358	ENSG0000	CUL4A	-	cullin 4	protein-coding

chr13-113	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MC1|LIN	-6097	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA	ncRNA
chr14-230	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	23080707	23091246	+	0	NA	intron (N	intron (N	-9529	NM_017924	55017	Hs.525238	NM_017924	ENSG00000	C14orf119	-	chromosom	protein-coding
chr14-307	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	30734939	30736856	+	0	NA	TTS (NM_1	TTS (NM_1	113578	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-350	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	35029858	35033601	+	0	NA	Intergeni	Intergeni	-13178	NM_001079	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr14-608	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	60811290	60813841	+	0	NA	intron (N	LTR28|LTR	77804	NM_002431	4331	Hs.509523	NM_002431	ENSG00000	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr14-693	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	69388220	69396353	+	0	NA	intron (N	intron (N	6013	NM_004450	2079	Hs.509791	NM_004450	ENSG00000	ERH	DROER	ERH mRNA	protein-coding
chr14-730	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr14	73097434	73103620	+	0	NA	intron (N	intron (N	-35980	NM_000021	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr15-650	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr15	65025392	65027023	+	0	NA	intron (N	intron (N	3432	NM_139242	123263	Hs.531615	NM_139242	ENSG00000	MTFMT	COXPD15|F	mitochond	protein-coding
chr16-503	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr16	50318446	50322060	+	0	NA	exon (NM_	exon (NM_	27637	NR_106829	1.02E+08		NR_106829	ENSG00000	MIR6771	hsa-mir-6	microRNA	ncRNA
chr16-696	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr16	69663448	69672487	+	0	NA	intron (N	AluSq|SIN	40708	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr17-160	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr17	16052169	16059851	+	0	NA	intron (N	L1MC5|LIN	56186	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-161	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr17	16144905	16145411	+	0	NA	intron (N	SVA_B|Ret	8038	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr18-936	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr18	9367068	9370249	+	0	NA	intron (N	AluSz6|SI	33885	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr18-218	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr18	21808966	21810285	+	0	NA	intron (N	L1MB3|LIN	16160	NR_029675	406922		NR_029675	ENSG00000	MIR133A1	MIRN133A1	microRNA	ncRNA
chr19-188	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr19	18864563	18868165	+	0	NA	intron (N	intron (N	29794	NM_001492	2657	Hs.412355	NM_001492	ENSG00000	GDF1	CERS1|CHT	growth di	protein-coding
chr2-5586	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr2	55866615	55868984	+	0	NA	intron (N	intron (N	55983	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-6147	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr2	61477757	61485095	+	0	NA	intron (N	AluSc|SIN	-10339	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr2-7487	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr2	74877015	74877569	+	0	NA	exon (NM_	exon (NM_	-31839	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr2-8616	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr2	86160890	86161974	+	0	NA	intron (N	AluSz|SIN	25562	NR_004378	692225	Hs.723087	NR_004378	ENSG00000	SNORD94	U94	small nuc	snoRNA
chr2-1710	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSz6|SI	38828	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr20-344	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr20	34486037	34497996	+	0	NA	intron (N	intron (N	-24368	NM_001319	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr21-348	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr21	34870734	34875558	+	0	NA	intron (N	intron (N	15553	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr22-426	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr22	42632514	42635177	+	0	NA	intron (N	AluJo|SIN	6756	NM_001165	267020	Hs.664737	NM_001165	ENSG00000	ATP5MGL	ATP5K2|AT	ATP synth	protein-coding
chr3-1701	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	45814	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr3-1837	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJr|SIN	18226	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr3-1977	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	8005	NR_027840	84248	Hs.277533	NM_032288	ENSG00000	FYTTD1	UIF	forty-two	protein-coding
chr4-6832	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr4	68322637	68325054	+	0	NA	intron (N	intron (N	26245	NM_001330	91746	Hs.175955	NM_133370	ENSG00000	YTHDC1	YT521|YT5	YTH domai	protein-coding
chr4-1187	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	SVA_B|Ret	43239	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1039	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	10390504	10393364	+	0	NA	intron (N	intron (N	-10430	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-1041	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	10414969	10417534	+	0	NA	intron (N	intron (N	13887	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-9592	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	95920046	95925090	+	0	NA	intron (N	intron (N	39283	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr5-1121	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	1.12E+08	1.12E+08	+	0	NA	non-codin	non-codin	2307	NR_002922	654322	Hs.689709	NR_002922	ENSG00000	SNORA13	ACA13	small nuc	snoRNA
chr5-1404	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	exon (NM_	exon (NM_	47419	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr5-1774	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	3609	NM_001364	1627	Hs.130316	NM_004395	ENSG00000	DBN1	D0S117E	drebrin l	protein-coding
chr6-2890	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr6	28902653	28906887	+	0	NA	intron (N	intron (N	8240	NR_104117	414760	Hs.211005	NR_104117	ENSG00000	HCG14	dJ111M5.4	HLA compl	ncRNA
chr6-1703	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-6755	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr7-2993	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	29930344	29931796	+	0	NA	intron (N	intron (N	58731	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr7-4572	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	45724147	45729232	+	0	NA	intron (N	MER9a2|LT	42329	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr7-7547	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	75479993	75484322	+	0	NA	intron (N	L1MC5|LIN	4142	NR_160303	1E+08	Hs.712563	NM_001099	ENSG00000	POM121C	POM121-2	POM121 tr	protein-coding
chr7-1000	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	1E+08	1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	14358	NM_001362	7589	Hs.632294	NM_145914	ENSG00000	ZSCAN21	NY-REN-21	zinc fing	protein-coding
chr7-1390	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	30979	NM_020119	56829	Hs.133512	NM_020119	ENSG00000	ZC3HAV1	ARTD13|FL	zinc fing	protein-coding
chr7-1396	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSx|SIN	99850	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr8-2337	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr8	23378989	23379902	+	0	NA	intron (N	L1PA5|LIN	24675	NM_002318	4017	Hs.626637	NM_002318	ENSG00000	LOXL2	LOR|LOR2|	lysyl oxi	protein-coding
chr8-5857	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr8	58578966	58582637	+	0	NA	intron (N	intron (N	27540	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr8-1082	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSx|SIN	14477	NM_001568	3646	Hs.405590	NM_001568	ENSG00000	EIF3E	EIF3-P48|	eukaryoti	protein-coding
chr8-1332	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MER58A|DN	14513	NM_001135	10397	Hs.372914	NM_006096	ENSG00000	NDRG1	CAP43|CMT	N-myc dow	protein-coding
chr9-7301	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	730170	732720	+	0	NA	intron (N	intron (N	24768	NM_001354	23189	Hs.306764	NM_015158	ENSG00000	KANK1	ANKRD15|C	KN motif	protein-coding
chr9-6568	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	65683089	65683908	+	0	NA	intron (N	intron (N	7570	NM_001363	220869	Hs.355950	NM_001024	ENSG00000	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chr9-7026	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	70264242	70269609	+	0	NA	intron (N	MIR|SINE|	7947	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr9-1116	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	non-codin	non-codin	-11788	NM_001198	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chr9-1326	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	17515	NM_001322	64794	Hs.660767	NM_022779	ENSG00000	DDX31	PPP1R25	DEAD-box	protein-coding
chr9-1333	8.657279	-0.19844	0.788068	-0.25181	0.801187	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	3134	NM_033161	6836	Hs.512465	NM_033161	ENSG00000	SURF4	ERV29	surfeit 4	protein-coding
chr3-1326	8.121401	-0.21044	0.836193	-0.25167	0.801299	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	non-codin	non-codin	21114	NM_178445	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr1-1831	10.43324	0.183509	0.729373	0.251599	0.801351	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	37249	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr5-1406	10.43324	0.183509	0.729373	0.251599	0.801351	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	4235	NM_017706	54853	Hs.286261	NM_017706	ENSG00000	WDR55	-	WD repeat	protein-coding
chr8-4317	10.43324	0.183509	0.729373	0.251599	0.801351	0.981636	chr8	43172494	43175894	+	0	NA	intron (N	AluSx|SIN	33730	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr8-1439	10.43324	0.183509	0.729373	0.251599	0.801351	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2930	NM_000837	2907	Hs.594634	NM_000837	ENSG00000	GRINA	HNRGW|LFG	glutamate	protein-coding
chr1-1104	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger3b|	-4741	NR_102697	1.01E+08	Hs.559121	NR_102697		LAMTOR5-A	-	LAMTOR5 a	ncRNA
chr1-1456	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA3|LIN	47362	NM_001371359								
chr1-1863	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	L1PA13|LI	-8274	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr14-507	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr14	50770170	50771081	+	0	NA	intron (N	intron (N	-51172	NR_135258	1.05E+08	Hs.569387	NR_135258	ENSG00000	LOC105370	-	uncharact	ncRNA
chr22-297	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr22	29769507	29771141	+	0	NA	TTS (NM_0	TTS (NM_0	2955	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr5-1772	10.3921	0.182169	0.724147	0.251563	0.801379	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	9261	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr1-1454	9.37535	0.191625	0.761757	0.251557	0.801383	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	3006	NM_001278	1E+08	Hs.445080	NM_001278	ENSG00000	NBPF20	-	NBPF memb	protein-coding
chr14-927	9.37535	0.191625	0.761757	0.251557	0.801383	0.981636	chr14	92797371	92798891	+	0	NA	intron (N	intron (N	3826	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr3-9987	9.37535	0.191625	0.761757	0.251557	0.801383	0.981636	chr3	99873967	99875246	+	0	NA	intron (N	intron (N	1567	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr5-1503	9.37535	0.191625	0.761757	0.251557	0.801383	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	17867	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr9-1015	9.37535	0.191625	0.761757	0.251557	0.801383	0.981636	chr9	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSp|SIN	21887	NM_019592	56254	Hs.729085	NM_019592	ENSG00000	RNF20	BRE1|BRE1	ring fing	protein-coding
chr1-4316	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr1	43163779	43164745	+	0	NA	TTS (NM_0	TTS (NM_0	7450	NR_106791	1.02E+08		NR_106791	ENSG00000	MIR6733	hsa-mir-6	microRNA	ncRNA
chr1-1725	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	57691	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr17-376	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr17	37625248	37626161	+	0	NA	intron (N	intron (N	-10665	NR_106744	1.02E+08		NR_106744	ENSG00000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr2-1891	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	L1MC3|LIN	-6472	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr2-1913	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	102963	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr5-1542	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	MSTA|LTR|	37309	NM_198321	55568	Hs.631797	NM_017540	ENSG00000	GALNT10	GALNACT10	polypepti	protein-coding
chr8-1168	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-16397	NR_033886	644660	Hs.706174	NR_033886	ENSG00000	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr8-1303	8.616139	-0.20074	0.798021	-0.25155	0.801388	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-45156	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr20-135	8.945325	0.200907	0.79887	0.251488	0.801437	0.981636	chr20	1354049	1355395	+	0	NA	intron (N	L1MA3|LIN	-25583	NM_080489	27111	Hs.657015	NM_015685	ENSG00000	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr20-358	8.945325	0.200907	0.79887	0.251488	0.801437	0.981636	chr20	35812609	35812842	+	0	NA	intron (N	L1MC4|LIN	40710	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr1-1737	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1M1|LINE	47702	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr12-497	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr12	49754468	49763992	+	0	NA	exon (NM_	exon (NM_	17421	NM_001098	7009	Hs.743965	NM_003217	ENSG00000	TMBIM6	BAXI1|BI-	transmemb	protein-coding
chr14-731	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr14	73173518	73175354	+	0	NA	intron (N	AluSz|SIN	37929	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr19-121	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr19	12142162	12154395	+	0	NA	intron (N	AluSx1|SI	-7928	NM_021143	7568	Hs.512823	NM_021143	ENSG00000	ZNF20	KOX13	zinc fing	protein-coding
chr19-518	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr19	51889416	51900061	+	0	NA	intron (N	intron (N	6713	NR_110733	1.02E+08	Hs.553920	NR_110733	ENSG00000	ZNF649-AS	-	ZNF649 an	ncRNA
chr3-5273	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr3	52730718	52737436	+	0	NA	intron (N	intron (N	27971	NM_014041	28972	Hs.11125	NM_014041	ENSG00000	SPCS1	HSPC033|S	signal pe	protein-coding
chr3-1413	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	Tigger1|D	-6317	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr3-1843	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	4406	NM_001278	5708	Hs.518464	NM_002808	ENSG00000	PSMD2	P97|RPN1|	proteasom	protein-coding
chr6-1597	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-15334	NM_005891	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Co	protein-coding
chr8-1022	11.40885	0.17439	0.694377	0.251145	0.801702	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	31549	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr20-333	9.118736	-0.19345	0.770734	-0.251	0.801815	0.981636	chr20	33368729	33371188	+	0	NA	intron (N	MamSINE1|	31561	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr20-345	9.118736	-0.19345	0.770734	-0.251	0.801815	0.981636	chr20	34526582	34527836	+	0	NA	intron (N	MIRb|SINE	10825	NM_014183	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr4-1223	9.118736	-0.19345	0.770734	-0.251	0.801815	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-29663	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr9-7031	9.118736	-0.19345	0.770734	-0.251	0.801815	0.981636	chr9	70318222	70321024	+	0	NA	intron (N	Charlie1a	60645	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chrX-7227	9.118736	-0.19345	0.770734	-0.251	0.801815	0.981636	chrX	72270541	72275947	+	0	NA	exon (NM_	exon (NM_	4004	NM_001007	6191	Hs.118076	NM_001007	ENSG00000	RPS4X	CCG2|DXS3	ribosomal	protein-coding
chr13-113	7.846296	0.211055	0.840983	0.250962	0.801843	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	26614	NM_007111	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr2-8615	7.846296	0.211055	0.840983	0.250962	0.801843	0.981636	chr2	86156986	86158039	+	0	NA	intron (N	AluSq2|SI	21642	NR_004378	692225	Hs.723087	NR_004378	ENSG00000	SNORD94	U94	small nuc	snoRNA
chr10-103	8.3586	0.203262	0.810432	0.250807	0.801963	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	30849	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr14-241	8.3586	0.203262	0.810432	0.250807	0.801963	0.981636	chr14	24191908	24193003	+	0	NA	intron (N	intron (N	2986	NM_006405	10548	Hs.91586	NM_006405	ENSG00000	TM9SF1	HMP70|MP7	transmemb	protein-coding
chr10-124	7.701084	-0.21427	0.854445	-0.25077	0.801993	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21317	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr1-4563	9.887654	0.18591	0.742266	0.250462	0.80223	0.981636	chr1	45637591	45640947	+	0	NA	intron (N	intron (N	7416	NR_026768	728963	Hs.675157	NR_026768		RPS15AP10	RPS15A_4_	ribosomal	pseudo
chr12-575	9.887654	0.18591	0.742266	0.250462	0.80223	0.981636	chr12	57530763	57535100	+	0	NA	intron (N	A-rich|Lo	10107	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr15-789	9.887654	0.18591	0.742266	0.250462	0.80223	0.981636	chr15	78918429	78920017	+	0	NA	Intergeni	AluSg|SIN	25875	NM_001319	1512	Hs.148641	NM_004390	ENSG00000	CTSH	ACC-4|ACC	cathepsin	protein-coding
chr9-1285	9.887654	0.18591	0.742266	0.250462	0.80223	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	47241	NM_001363	6709	Hs.372331	NM_003127	ENSG00000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr4-6409	9.962075	0.190181	0.759388	0.250439	0.802248	0.981636	chr4	64094	64995	+	0	NA	intron (N	AluSz6|SI	11223	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr15-718	7.333992	0.219799	0.878099	0.250312	0.802346	0.981636	chr15	71829138	71830286	+	0	NA	intron (N	intron (N	19158	NM_014249	10002	Hs.187354	NM_014249	ENSG00000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr1-1536	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx|SIN	-6347	NM_001024	6284	Hs.516505	NM_005979	ENSG00000	S100A13	-	S100 calc	protein-coding
chr1-1567	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	4801	NM_001370	81875	Hs.301904	NM_030980	ENSG00000	ISG20L2	HSD38	interfero	protein-coding
chr1-2282	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	-31669	NR_073154	574407	Hs.650039	NM_001025	ENSG00000	OBSCN-AS1	C1orf145	OBSCN ant	ncRNA
chr11-572	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr11	57297942	57303031	+	0	NA	intron (N	intron (N	24466	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr11-578	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr11	57800254	57818328	+	0	NA	exon (NM_	exon (NM_	47489	NM_001206	1500	Hs.166011	NM_001331	ENSG00000	CTNND1	BCDS2|CAS	catenin d	protein-coding
chr14-101	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	33108	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-484	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr15	48418397	48422332	+	0	NA	intron (N	intron (N	88167	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr16-338	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr16	3380617	3397528	+	0	NA	intron (N	intron (N	11932	NM_001284	54925	Hs.592078	NM_017810	ENSG00000	ZSCAN32	HCCS-5|ZN	zinc fing	protein-coding
chr17-490	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr17	49040134	49052366	+	0	NA	intron (N	intron (N	48865	NM_001160	10642	Hs.144936	NM_006546	ENSG00000	IGF2BP1	CRD-BP|CR	insulin l	protein-coding
chr2-6932	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr2	69323881	69330229	+	0	NA	exon (NM_	exon (NM_	60172	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr7-1124	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	MIRb|SINE	6618	NM_001197	3475	Hs.7879	NM_001550	ENSG00000	IFRD1	PC4|TIS7	interfero	protein-coding
chr9-3569	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr9	35695857	35726136	+	0	NA	promoter-	promoter-	-255	NR_106911	1.02E+08		NR_106911	ENSG00000	MIR6852	hsa-mir-6	microRNA	ncRNA
chr9-1228	10.9044	0.177416	0.708842	0.25029	0.802363	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-25003	NM_005388	5082	Hs.271749	NM_005388	ENSG00000	PDCL	PhLP	phosducin	protein-coding
chr5-3145	9.077596	-0.19578	0.782259	-0.25027	0.802376	0.981636	chr5	31455749	31456478	+	0	NA	intron (N	L1M8|LINE	75980	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr16-565	8.912044	0.197753	0.790249	0.250241	0.802401	0.981636	chr16	56508751	56510092	+	0	NA	intron (N	AluSz|SIN	10603	NM_031885	583	Hs.333738	NM_031885	ENSG00000	BBS2	BBS|RP74	Bardet-Bi	protein-coding
chr19-344	8.912044	0.197753	0.790249	0.250241	0.802401	0.981636	chr19	34493494	34493768	+	0	NA	intron (N	intron (N	11873	NM_001080	126374	Hs.585010	NM_001080	ENSG00000	WTIP	-	WT1 inter	protein-coding
chr3-1018	8.912044	0.197753	0.790249	0.250241	0.802401	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-10450	NM_001005	64332	Hs.319171	NM_031419	ENSG00000	NFKBIZ	IKBZ|INAP	NFKB inhi	protein-coding
chr9-1358	8.912044	0.197753	0.790249	0.250241	0.802401	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	84124	NM_015447	157922	Hs.522493	NM_015447	ENSG00000	CAMSAP1	-	calmoduli	protein-coding
chr13-453	8.154683	-0.20633	0.824676	-0.25019	0.80244	0.981636	chr13	45347054	45347297	+	0	NA	intron (N	AluSz6|SI	5830	NR_024458	1E+08	Hs.375766	NR_024458		TPT1-AS1	-	TPT1 anti	ncRNA

chr1-2481	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr1	24812478	24813270	+	0	NA	intron (N	AluSc|SIN	67427	NM_013943	25932	Hs.440544	NM_013943	ENSG00000	CLIC4	CLIC4L|H1	chloride	protein-coding
chr1-1147	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	non-codin	non-codin	9249	NM_025073	80143	Hs.709277	NM_025073	ENSG00000	SIKE1	SIKE	suppresso	protein-coding
chr12-754	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr12	75483028	75484285	+	0	NA	intron (N	L2c|LINE|	2901	NM_006851	11010	Hs.205558	NM_006851	ENSG00000	GLIPR1	CRISP7|GL	GLI patho	protein-coding
chr12-763	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr12	76381772	76382848	+	0	NA	intron (N	L1ME1|LIN	-33895	NM_024685	79738	Hs.96322	NM_024685	ENSG00000	BBS10	C12orf58	Bardet-Bi	protein-coding
chr13-973	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr13	97379137	97380050	+	0	NA	intron (N	intron (N	-54576	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr14-951	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr14	95101697	95102394	+	0	NA	intron (N	MIR|SINE|	31458	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr15-805	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr15	80591769	80592570	+	0	NA	intron (N	intron (N	11066	NR_049837	1.01E+08		NR_049837	ENSG00000	MIR5572	-	microRNA	ncRNA
chr16-568	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr16	56822221	56823771	+	0	NA	intron (N	intron (N	-35522	NR_029680	406930		NR_029680	ENSG00000	MIR138-2	MIRN138-2	microRNA	ncRNA
chr16-716	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr16	71676457	71678572	+	0	NA	intron (N	intron (N	21187	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr17-372	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr17	37235278	37235895	+	0	NA	intron (N	intron (N	-9215	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr17-825	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr17	82564336	82565001	+	0	NA	intron (N	MSTB|LTR|	44936	NM_004514	3607	Hs.591140	NM_004514	ENSG00000	FOXK2	ILF|ILF-1	forkhead	protein-coding
chr19-365	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr19	36509887	36510313	+	0	NA	TTS (NM_0	TTS (NM_0	18171	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr2-2247	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	MLT1K|LTR	151585	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr3-7352	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr3	73522493	73523264	+	0	NA	intron (N	intron (N	1556	NR_121660	1.02E+08	Hs.662049	NR_121660		LOC101927	-	uncharact	ncRNA
chr5-3151	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr5	31515281	31516773	+	0	NA	intron (N	AluJb|SIN	16066	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr6-1459	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	L1MEg|LIN	48735	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr6-1470	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	MIR|SINE|	-115152	NR_132442	1.06E+08	Hs.575390	NR_132442	ENSG00000	LUADT1	-	lung aden	ncRNA
chr7-9950	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr7	99508900	99510381	+	0	NA	intron (N	AluY|SINE	3635	NM_001318	23660	Hs.110839	NM_014569	ENSG00000	ZKSCAN5	ZFP-95|ZF	zinc fing	protein-coding
chr7-1513	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	6838	NM_001363	51667	Hs.647082	NM_016118	ENSG00000	NUB1	BS4|NUB1L	negative	protein-coding
chr7-1516	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	6755	NM_024429	51422	Hs.647072	NM_016203	ENSG00000	PRKAG2	AAKG|AAKG	protein k	protein-coding
chr8-5397	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr8	53971280	53974044	+	0	NA	intron (N	intron (N	49786	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr9-1252	4.444512	-0.27038	1.081078	-0.2501	0.802511	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx1|SI	8074	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr17-418	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr17	4183031	4185312	+	0	NA	intron (N	intron (N	40474	NM_001254	124936	Hs.513871	NM_144611	ENSG00000	CYB5D2	-	cytochrom	protein-coding
chr2-2009	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-17325	NM_006190	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr3-1125	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	Intergeni	SATR2|Sat	-30055	NM_181780	151888	Hs.445162	NM_181780	ENSG00000	BTLA	BTLA1|CD2	B and T l	protein-coding
chr3-1962	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSx1|SI	30920	NM_001312	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr4-3984	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr4	39840302	39841672	+	0	NA	intron (N	AluSz|SIN	136924	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr7-6615	8.870904	0.196289	0.784952	0.250065	0.802537	0.981636	chr7	66158060	66158878	+	0	NA	Intergeni	MSTD|LTR|	43622	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr13-197	7.895294	0.210797	0.843442	0.249925	0.802645	0.981636	chr13	19738232	19738703	+	0	NA	intron (N	MER2|DNA|	44478	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr9-1344	7.895294	0.210797	0.843442	0.249925	0.802645	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	AluY|SINE	23582	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr10-131	9.928793	0.187269	0.749489	0.249862	0.802694	0.981636	chr10	13115814	13118732	+	0	NA	intron (N	AluY|SINE	17110	NM_001008	10133	Hs.332706	NM_021980	ENSG00000	OPTN	ALS12|FIP	optineuri	protein-coding
chr20-381	9.928793	0.187269	0.749489	0.249862	0.802694	0.981636	chr20	38147373	38151804	+	0	NA	intron (N	AluY|SINE	15682	NM_001323	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr14-717	7.75794	-0.21494	0.860282	-0.24985	0.802705	0.981636	chr14	71735337	71735900	+	0	NA	intron (N	Tigger15a	149320	NM_001284	26037	Hs.654657	NM_015556	ENSG00000	SIPA1L1	E6TP1|SPA	signal in	protein-coding
chr12-121	4.880545	-0.26368	1.055397	-0.24984	0.802715	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	TTS (NM_0	TTS (NM_0	26692	NM_002560	5025	Hs.321709	NM_002560	ENSG00000	P2RX4	P2X4|P2X4	purinergi	protein-coding
chr13-199	4.880545	-0.26368	1.055397	-0.24984	0.802715	0.981636	chr13	19988919	19989816	+	0	NA	intron (N	AluSz|SIN	29553	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr1-7310	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr1	731035	732077	+	0	NA	Intergeni	AluJr|SIN	-1205	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr1-9388	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr1	93882628	93883750	+	0	NA	Intergeni	L1ME2|LIN	-3983	NM_014597	30836	Hs.85769	NM_014597	ENSG00000	DNTTIP2	ERBP|FCF2	deoxynucl	protein-coding
chr10-687	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr10	68726776	68729591	+	0	NA	intron (N	intron (N	6944	NM_001282	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr10-844	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr10	84458963	84459716	+	0	NA	intron (N	L1ME1|LIN	34170	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-co	protein-coding
chr2-5393	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr2	53933699	53934511	+	0	NA	intron (N	intron (N	36888	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr2-2075	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MLT1D|LTR	30416	NM_001371428								
chr6-3110	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chr6	3110375	3111369	+	0	NA	exon (NM_	exon (NM_	-7504	NR_026649	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chrX-2913	8.195822	-0.20396	0.816382	-0.24983	0.802719	0.981636	chrX	291324	291645	+	0	NA	intron (N	intron (N	8006	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LL0XNC01-	phosphati	protein-coding
chr7-1497	43.93386	0.100128	0.400986	0.249703	0.802817	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	8121	NM_207336	168544	Hs.726477	NM_207336	ENSG00000	ZNF467	EZI|Zfp46	zinc fing	protein-coding
chr1-1627	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-34611	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-2242	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJb|SIN	7948	NR_031574	1E+08		NR_031574	ENSG00000	MIR320B2	MIR320B-2	microRNA	ncRNA
chr11-354	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr11	35448216	35449885	+	0	NA	intron (N	L1PA10|LI	-28992	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr12-623	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr12	62393233	62394335	+	0	NA	intron (N	AluSx1|SI	-73042	NM_001278	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr17-802	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr17	80287439	80314162	+	0	NA	intron (N	AluSx1|SI	39948	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr3-4939	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr3	49396200	49396821	+	0	NA	intron (N	AluSq|SIN	15466	NM_001313	387	Hs.247077	NM_001664	ENSG00000	RHOA	ARH12|ARH	ras homol	protein-coding
chr5-1669	10.39996	0.18074	0.725682	0.249062	0.803313	0.981636	chr5	16692730	16695158	+	0	NA	intron (N	intron (N	-76886	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr10-620	7.750082	-0.21325	0.856558	-0.24896	0.803393	0.981636	chr10	62005988	62006456	+	0	NA	intron (N	AluSx1|SI	-43135	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr1-8901	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr1	89018665	89020777	+	0	NA	intron (N	L1MB3|LIN	3145	NM_001319	2635	Hs.720167	NM_018284	ENSG00000	GBP3	-	guanylate	protein-coding
chr11-671	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr11	67150506	67151235	+	0	NA	intron (N	intron (N	31607	NM_012308	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr16-162	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr16	16240025	16241682	+	0	NA	intron (N	intron (N	8258	NM_173614	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr16-302	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr16	30202531	30203091	+	0	NA	exon (NM_	exon (NM_	3583	NM_177552	6818	Hs.460558	NM_003166	ENSG00000	SULT1A3	HAST|HAST	sulfotran	protein-coding
chr17-197	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr17	19777312	19777511	+	0	NA	intron (N	MIR|SINE|	-29113	NM_000691	218	Hs.531682	NM_000691	ENSG00000	ALDH3A1	ALDH3|ALD	aldehyde	protein-coding
chr17-471	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr17	47126365	47131368	+	0	NA	intron (N	AluSx1|SI	60429	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr18-955	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr18	9558946	9563989	+	0	NA	intron (N	intron (N	53092	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr19-471	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr19	47170698	47171591	+	0	NA	intron (N	AluSc|SIN	40309	NM_001145	10055	Hs.515500	NM_005500	ENSG00000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr2-2744	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr2	27440196	27440496	+	0	NA	intron (N	intron (N	-2020	NM_001168	200634	Hs.59509	NM_173853	ENSG00000	KRTCAP3	KCP3	keratinoc	protein-coding
chr2-3764	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr2	37642731	37649260	+	0	NA	exon (NM_	exon (NM_	26204	NM_001270	10602	Hs.369574	NM_006449	ENSG00000	CDC42EP3	BORG2|CEP	CDC42 eff	protein-coding
chr2-1444	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-90447	NR_040248	1E+08	Hs.560789	NR_040248	ENSG00000	ZEB2-AS1	ZEB2-AS|Z	ZEB2 anti	ncRNA
chr21-461	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr21	46199311	46199922	+	0	NA	intron (N	L1MC1|LIN	-5457	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr5-1325	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	19277	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr7-1278	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-108925	NR_027330	27099	Hs.657377	NM_014411	ENSG00000	SND1-IT1	C7orf54|N	SND1 intr	ncRNA
chr8-2542	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr8	25427051	25430519	+	0	NA	3’ UTR (N	3’ UTR (N	-3745	NM_000825	2796	Hs.82963	NM_000825	ENSG00000	GNRH1	GNRH|GRH|	gonadotro	protein-coding
chr8-5857	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr8	58575773	58577198	+	0	NA	intron (N	AluSc|SIN	23224	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr8-1411	8.649421	-0.19687	0.790847	-0.24893	0.803411	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx|SIN	34079	NR_148197	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr16-214	9.383208	0.190026	0.763508	0.248885	0.80345	0.981636	chr16	21402266	21403478	+	0	NA	intron (N	intron (N	22506	NM_130464	23117	Hs.611072	NM_130464		NPIPB3	KIAA0220L	nuclear p	protein-coding
chr3-4783	9.383208	0.190026	0.763508	0.248885	0.80345	0.981636	chr3	47833554	47834655	+	0	NA	intron (N	AluSz|SIN	-15451	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr7-1033	9.383208	0.190026	0.763508	0.248885	0.80345	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	7967	NM_014377	27000	Hs.558476	NM_014377	ENSG00000	DNAJC2	MPHOSPH11	DnaJ heat	protein-coding
chr11-799	11.41671	0.173092	0.695749	0.248786	0.803527	0.981636	chr11	7991602	7999319	+	0	NA	intron (N	intron (N	8123	NM_003754	8665	Hs.516023	NM_003754	ENSG00000	EIF3F	EIF3S5|MF	eukaryoti	protein-coding
chr16-185	11.41671	0.173092	0.695749	0.248786	0.803527	0.981636	chr16	18540252	18542018	+	0	NA	intron (N	L2a|LINE|	20977	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr1-8567	9.110878	-0.19198	0.771914	-0.2487	0.803591	0.981636	chr1	85677758	85678950	+	0	NA	intron (N	MIR|SINE|	30079	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr3-5139	9.110878	-0.19198	0.771914	-0.2487	0.803591	0.981636	chr3	51392635	51394163	+	0	NA	exon (NM_	exon (NM_	2114	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr3-1007	9.110878	-0.19198	0.771914	-0.2487	0.803591	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	1948	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr7-1033	9.110878	-0.19198	0.771914	-0.2487	0.803591	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	(T)n|Simp	23397	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr7-1487	9.110878	-0.19198	0.771914	-0.2487	0.803591	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	MLT1B|LTR	41208	NM_001370	8454	Hs.146806	NM_003592	ENSG00000	CUL1	-	cullin 1	protein-coding
chr5-9889	7.34185	0.217786	0.875905	0.248641	0.803638	0.981636	chr5	98895914	98896231	+	0	NA	intron (N	AluSz|SIN	30462	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr2-1504	19.04975	-0.13766	0.555093	-0.248	0.804136	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	CpG	2337	NM_005168	390	Hs.6838	NM_005168	ENSG00000	RND3	ARHE|Rho8	Rho famil	protein-coding
chr1-4270	8.366458	0.201435	0.812476	0.247928	0.80419	0.981636	chr1	42705579	42705972	+	0	NA	Intergeni	AluSx1|SI	22639	NR_132737	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bin	protein-coding
chr15-445	8.366458	0.201435	0.812476	0.247928	0.80419	0.981636	chr15	44584364	44585367	+	0	NA	intron (N	AluJr|SIN	47718	NM_003758	8669	Hs.404056	NM_003758	ENSG00000	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr4-8672	8.366458	0.201435	0.812476	0.247928	0.80419	0.981636	chr4	86722004	86722427	+	0	NA	exon (NM_	exon (NM_	127169	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr9-1296	8.366458	0.201435	0.812476	0.247928	0.80419	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	6589	NM_001286	28989	Hs.744027	NM_014064	ENSG00000	NTMT1	AD-003|C9	N-termina	protein-coding
chr1-2365	7.659945	-0.21658	0.873917	-0.24783	0.804264	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	-30464	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 an	ncRNA
chr16-185	7.659945	-0.21658	0.873917	-0.24783	0.804264	0.981636	chr16	18551449	18551759	+	0	NA	intron (N	intron (N	10508	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL mod	protein-coding
chr7-7633	7.206346	-0.22536	0.909724	-0.24772	0.804352	0.981636	chr7	76332207	76332406	+	0	NA	intron (N	intron (N	26685	NM_012479	7532	Hs.744840	NM_012479	ENSG00000	YWHAG	14-3-3GAM	tyrosine	protein-coding
chr2-2737	11.88001	0.169183	0.683208	0.24763	0.804421	0.981636	chr2	27372967	27376550	+	0	NA	non-codin	non-codin	4142	NR_049783	9784	Hs.278569	NM_014748	ENSG00000	SNX17	-	sorting n	protein-coding
chr14-760	4.913827	-0.25636	1.03528	-0.24763	0.804423	0.981636	chr14	76006345	76007208	+	0	NA	intron (N	Charlie18	21013	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr8-6560	4.913827	-0.25636	1.03528	-0.24763	0.804423	0.981636	chr8	65607279	65608636	+	0	NA	intron (N	intron (N	26220	NM_018120	55156	Hs.269542	NM_018120	ENSG00000	ARMC1	Arcp	armadillo	protein-coding
chr1-1703	7.626663	-0.22098	0.89248	-0.2476	0.804444	0.981636	chr1	17039303	17039722	+	0	NA	intron (N	AluJo|SIN	14658	NM_003000	6390	Hs.465924	NM_003000	ENSG00000	SDHB	CWS2|IP|P	succinate	protein-coding
chr5-1127	9.424347	0.191387	0.773177	0.247533	0.804496	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	HAL1|LINE	55179	NM_001354	324	Hs.158932	NM_000038	ENSG00000	APC	BTPS2|DP2	APC regul	protein-coding
chr1-2144	10.91226	0.17605	0.711537	0.247423	0.804581	0.981636	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	120375	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr19-406	10.91226	0.17605	0.711537	0.247423	0.804581	0.981636	chr19	40667577	40681627	+	0	NA	intron (N	intron (N	15562	NM_001289	9253	Hs.326953	NM_004756	ENSG00000	NUMBL	CAG3A|CTG	NUMB like	protein-coding
chr20-380	10.91226	0.17605	0.711537	0.247423	0.804581	0.981636	chr20	38048559	38048783	+	0	NA	intron (N	intron (N	14925	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatio	protein-coding
chr4-3158	10.91226	0.17605	0.711537	0.247423	0.804581	0.981636	chr4	3158965	3163384	+	0	NA	intron (N	L1PA7|LIN	-83195	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr7-4387	10.91226	0.17605	0.711537	0.247423	0.804581	0.981636	chr7	43877987	43879170	+	0	NA	exon (NM_	exon (NM_	-9061	NM_032014	64951	Hs.284286	NM_032014	ENSG00000	MRPS24	HSPC335|M	mitochond	protein-coding
chr19-101	9.895512	0.184382	0.745351	0.247376	0.804617	0.981636	chr19	10114885	10118628	+	0	NA	intron (N	intron (N	3143	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr3-1326	9.895512	0.184382	0.745351	0.247376	0.804617	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	11320	NM_001321	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitin	protein-coding
chr7-1310	9.895512	0.184382	0.745351	0.247376	0.804617	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSq|SIN	13083	NR_024153	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-P	long inte	ncRNA
chr9-3839	8.407597	0.202902	0.820499	0.247291	0.804683	0.981636	chr9	38396049	38397146	+	0	NA	exon (NM_	exon (NM_	3895	NM_000692	219	Hs.436219	NM_000692	ENSG00000	ALDH1B1	ALDH5|ALD	aldehyde	protein-coding
chr12-131	9.159875	-0.1913	0.773791	-0.24723	0.804734	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	17004	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr14-209	9.159875	-0.1913	0.773791	-0.24723	0.804734	0.981636	chr14	20996218	20996896	+	0	NA	exon (NM_	exon (NM_	2606	NR_110139	1.02E+08	Hs.706252	NR_110139	ENSG00000	LOC101929	-	uncharact	ncRNA
chr2-2312	9.159875	-0.1913	0.773791	-0.24723	0.804734	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	MIRb|SINE	79616	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr20-199	9.159875	-0.1913	0.773791	-0.24723	0.804734	0.981636	chr20	19959946	19962700	+	0	NA	intron (N	intron (N	-55967	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr8-2662	9.159875	-0.1913	0.773791	-0.24723	0.804734	0.981636	chr8	26625903	26628412	+	0	NA	intron (N	intron (N	48752	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr3-4463	12.39232	0.165546	0.669623	0.247223	0.804736	0.981636	chr3	44634558	44644801	+	0	NA	intron (N	L2c|LINE|	-9053	NM_003420	7584	Hs.288658	NM_003420	ENSG00000	ZNF35	HF.10|HF1	zinc fing	protein-coding
chr15-636	10.4411	0.182049	0.736452	0.247198	0.804755	0.981636	chr15	63647820	63648117	+	0	NA	intron (N	L1PB4|LIN	-47141	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr7-3057	10.86326	0.176107	0.712465	0.247179	0.80477	0.981636	chr7	30570562	30570999	+	0	NA	intron (N	LTR12|LTR	6999	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr16-751	11.92901	0.169149	0.684547	0.247096	0.804834	0.981636	chr16	75164830	75165089	+	0	NA	intron (N	AluSp|SIN	15908	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chrX-4120	11.92901	0.169149	0.684547	0.247096	0.804834	0.981636	chrX	41203520	41213223	+	0	NA	intron (N	intron (N	-67368	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr5-1322	12.97904	0.165796	0.671059	0.247066	0.804857	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	10271	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr11-648	8.698419	-0.19609	0.793752	-0.24705	0.804873	0.981636	chr11	64858767	64859342	+	0	NA	intron (N	L2b|LINE|	-14401	NM_017525	55561	Hs.293590	NM_017525	ENSG00000	CDC42BPG	DMPK2|HSM	CDC42 bin	protein-coding
chr7-1085	8.698419	-0.19609	0.793752	-0.24705	0.804873	0.981636	chr7	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	4879	NM_001287	168451	Hs.707689	NM_182529	ENSG00000	THAP5	-	THAP doma	protein-coding
chr1-2201	10.47438	0.184874	0.748449	0.247009	0.804901	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluJr|SIN	-16661	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr20-629	11.37557	0.171837	0.695686	0.247004	0.804905	0.981636	chr20	62904371	62908111	+	0	NA	intron (N	intron (N	20264	NM_001193	11083	Hs.517172	NM_022105	ENSG00000	DIDO1	BYE1|C20o	death ind	protein-coding
chr22-403	11.37557	0.171837	0.695686	0.247004	0.804905	0.981636	chr22	40312562	40313852	+	0	NA	intron (N	intron (N	-33293	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr17-757	14.31497	-0.15504	0.627731	-0.24698	0.804922	0.981636	chr17	7573927	7578831	+	0	NA	promoter-	promoter-	-432	NR_002604	652966	Hs.742526	NR_002604	ENSG00000	SNORD10	mgU6-77	small nuc	snoRNA
chr1-9449	10.35096	0.180777	0.732043	0.246949	0.804947	0.981636	chr1	94490871	94493590	+	0	NA	intron (N	intron (N	49529	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr10-500	10.35096	0.180777	0.732043	0.246949	0.804947	0.981636	chr10	50091033	50092721	+	0	NA	intron (N	intron (N	23923	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr12-129	10.35096	0.180777	0.732043	0.246949	0.804947	0.981636	chr12	12908573	12909136	+	0	NA	exon (NM_	exon (NM_	-6975	NR_030345	693199		NR_030345	ENSG00000	MIR614	MIRN614|h	microRNA	ncRNA
chr16-847	7.742224	-0.21146	0.856406	-0.24692	0.804972	0.981636	chr16	84773404	84774466	+	0	NA	intron (N	intron (N	-46050	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|I	cysteine	protein-coding

chr14-212	8.878762	0.194548	0.78856	0.246713	0.805131	0.981636	chr14	21257662	21257959	+	0	NA	intron (N	AluJr4|SI	11669	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNF	heteroger	protein-coding
chr19-196	8.878762	0.194548	0.78856	0.246713	0.805131	0.981636	chr19	19658522	19659447	+	0	NA	intron (N	intron (N	4692	NM_020410	57130	Hs.501794	NM_020410	ENSG00000	ATP13A1	ATP13A|CC	ATPase 13	protein-coding
chr10-322	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr10	32290096	32291084	+	0	NA	intron (N	intron (N	56568	NM_001272	80314	Hs.167805	NM_025209	ENSG00000	EPC1	Epl1	enhancer	protein-coding
chr10-736	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr10	73674374	73675969	+	0	NA	exon (NM_	exon (NM_	-19142	NM_001114	79933	Hs.645273	NM_024875	ENSG00000	SYNPO2L	-	synaptopo	protein-coding
chr11-659	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr11	65920814	65923981	+	0	NA	TTS (NM_C	TTS (NM_C	2971	NM_006442	10589	Hs.356742	NM_006442	ENSG00000	DRAP1	NC2-alpha	DR1 assoc	protein-coding
chr12-164	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr12	1645873	1648996	+	0	NA	TTS (NM_C	TTS (NM_C	12946	NR_037422	1.01E+08		NR_037422	ENSG00000	MIR3649	-	microRNA	ncRNA
chr12-132	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	10054	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr12-132	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	10912	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr13-113	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr13	1.13E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	9023	NM_001349	55002	Hs.317593	NM_017905	ENSG00000	TMCO3	C13orf11	transmemb	protein-coding
chr15-519	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr15	51902916	51903716	+	0	NA	intron (N	intron (N	20804	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homc	pseudo
chr15-560	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr15	56093014	56095896	+	0	NA	exon (NM_	exon (NM_	95477	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr15-635	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr15	63588596	63590544	+	0	NA	intron (N	HAL1ME|LI	-7817	NM_001367	283807	Hs.631163	NM_203373	ENSG00000	FBXL22	Fbl22	F-box anc	protein-coding
chr15-963	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr15	96334008	96336742	+	0	NA	intron (N	intron (N	1610	NM_001145	7026	Hs.347991	NM_021005	ENSG00000	NR2F2	ARP-1|ARF	nuclear r	protein-coding
chr17-424	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr17	42469658	42472721	+	0	NA	intron (N	AluY|SINE	12311	NM_005177	535	Hs.463074	NM_005177	ENSG00000	ATP6V0A1	ATP6N1|AT	ATPase H+	protein-coding
chr19-324	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr19	324230	332427	+	0	NA	intron (N	L1MC|LINE	16513	NM_001346	54531	Hs.101891	NM_017550	ENSG00000	MIER2	KIAA1193|	MIER fami	protein-coding
chr2-1044	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr2	10440084	10444830	+	0	NA	intron (N	intron (N	4392	NR_028374	1E+08	Hs.730525	NR_028374	ENSG00000	SNORA80B	ACA67B	small nuc	snoRNA
chr2-4388	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr2	43887764	43889863	+	0	NA	intron (N	intron (N	49842	NM_022437	64241	Hs.413931	NM_022437	ENSG00000	ABCG8	GBD4|STSL	ATP bindi	protein-coding
chr2-8603	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr2	86032909	86034005	+	0	NA	intron (N	intron (N	72429	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr3-1031	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr3	10311014	10319341	+	0	NA	intron (N	intron (N	5864	NM_001136	6396	Hs.166924	NM_030673	ENSG00000	SEC13	D3S1231E|	SEC13 hom	protein-coding
chr3-5810	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr3	58108050	58115146	+	0	NA	intron (N	intron (N	59037	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1559	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr3	1.56E+08	1.56E+08	+	0	NA	intron (N	L1MB8|LIN	45739	NM_003875	8833	Hs.591314	NM_003875	ENSG00000	GMPS	GATD7	guanine m	protein-coding
chr4-5808	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr4	5808426	5812928	+	0	NA	intron (N	intron (N	77136	NM_001288	1400	Hs.135270	NM_001313	ENSG00000	CRMP1	CRMP-1|DF	collapsin	protein-coding
chr6-1548	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-21139	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr7-1395	9.152017	-0.18979	0.769471	-0.24666	0.805175	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MB4|LIN	63107	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr1-1563	11.88787	0.167928	0.681258	0.246498	0.805297	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	L3|LINE|C	-17130	NM_001004	391104	Hs.532378	NM_001004	ENSG00000	VHLL	VHLP|VLP	VHL like	protein-coding
chr11-660	11.88787	0.167928	0.681258	0.246498	0.805297	0.981636	chr11	66054034	66068084	+	0	NA	intron (N	AluSx1|SI	7915	NR_145738	1.1E+08		NR_145738		SNORD13F	-	small nuc	snoRNA
chr19-349	11.88787	0.167928	0.681258	0.246498	0.805297	0.981636	chr19	34943418	34944318	+	0	NA	exon (NM_	exon (NM_	16965	NR_024018	90075	Hs.657402	NM_194325	ENSG00000	ZNF30	KOX28	zinc fing	protein-coding
chr3-1841	9.572334	-0.18778	0.762104	-0.2464	0.805371	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3025	NM_001311	1173	Hs.518460	NM_004068	ENSG00000	AP2M1	AP50|CLAF	adaptor r	protein-coding
chr15-309	8.187964	-0.2022	0.821098	-0.24625	0.805486	0.981636	chr15	30923460	30923785	+	0	NA	intron (N	intron (N	19707	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr14-311	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr14	31126335	31127940	+	0	NA	intron (N	AluSx1|SI	80656	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr15-827	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr15	82754707	82756413	+	0	NA	promoter-	promoter-	-385	NR_003011	677778	Hs.743895	NR_003011	ENSG00000	SCARNA15	ACA45	small Caj	ncRNA
chr3-1697	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	11902	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr4-5339	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr4	53397916	53401505	+	0	NA	intron (N	intron (N	22057	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor in	protein-coding
chr6-3650	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr6	36505070	36506739	+	0	NA	intron (N	Charlie2C	41575	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr8-2639	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr8	26394902	26396436	+	0	NA	intron (N	L1PA2|LIN	5256	NM_001330	665	Hs.131226	NM_004331	ENSG00000	BNIP3L	BNIP3a|NI	BCL2 inte	protein-coding
chr8-1449	8.690561	-0.19456	0.790611	-0.24609	0.805615	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	6491	NM_006958	7564	Hs.493225	NM_006958	ENSG00000	ZNF16	HZF1|KOX9	zinc fing	protein-coding
chr14-320	4.872687	-0.2611	1.062587	-0.24572	0.805896	0.981636	chr14	32095694	32096062	+	0	NA	intron (N	intron (N	18574	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoC	Rho GTPas	protein-coding
chr1-2019	12.40018	0.164343	0.66883	0.245717	0.805901	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	6437	NM_006335	10440	Hs.20716	NM_006335	ENSG00000	TIMM17A	TIM17|TIN	transloca	protein-coding
chr19-444	12.40018	0.164343	0.66883	0.245717	0.805901	0.981636	chr19	44477193	44487672	+	0	NA	intron (N	intron (N	18090	NM_013256	7733	Hs.22305	NM_013256	ENSG00000	ZNF180	HHZ168	zinc fing	protein-coding
chr17-213	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr17	21308058	21312300	+	0	NA	intron (N	AluSp|SIN	22143	NM_002756	5606	Hs.514012	NM_002756	ENSG00000	MAP2K3	MAPKK3|ME	mitogen-a	protein-coding
chr2-1018	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-112727	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr20-354	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr20	35406987	35410053	+	0	NA	intron (N	L1MB3|LIN	3453	NM_018244	55245	Hs.726290	NM_018244	ENSG00000	UQCC1	BFZB|C20c	ubiquinol	protein-coding
chr22-502	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr22	50278142	50282043	+	0	NA	intron (N	intron (N	-9712	NR_110887	5600	Hs.57732	NM_002751	ENSG00000	MAPK11	P38B|P38E	mitogen-a	protein-coding
chr7-7541	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr7	75416792	75419161	+	0	NA	3’ UTR (N	3’ UTR (N	7654	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WE	NSUN5 pse	pseudo
chr7-1288	10.40782	0.179281	0.729923	0.245616	0.805979	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	15966	NR_149055	1.11E+08	Hs.735929	NR_149055	ENSG00000	FLNC-AS1	-	FLNC anti	ncRNA
chr2-6910	11.42457	0.171786	0.699463	0.245597	0.805994	0.981636	chr2	69101989	69105597	+	0	NA	TTS (NR_C	TTS (NR_C	111	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr12-306	9.10302	-0.19051	0.775874	-0.24554	0.806038	0.981636	chr12	30630486	30631002	+	0	NA	3’ UTR (N	3’ UTR (N	46500	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr1-2017	11.38343	0.170538	0.694747	0.245468	0.806094	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	(TG)n|Sim	-1563	NR_031599	1E+08		NR_031599	ENSG00000	MIR1231	MIRN1231|	microRNA	ncRNA
chr11-281	11.38343	0.170538	0.694747	0.245468	0.806094	0.981636	chr11	28173004	28174453	+	0	NA	intron (N	L1MC3|LIN	65340	NM_152636	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr13-422	11.38343	0.170538	0.694747	0.245468	0.806094	0.981636	chr13	42298644	42300029	+	0	NA	intron (N	intron (N	27184	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr14-539	11.38343	0.170538	0.694747	0.245468	0.806094	0.981636	chr14	53949349	53953156	+	0	NA	intron (N	intron (N	2223	NM_001347	652	Hs.68879	NM_001202	ENSG00000	BMP4	BMP2B|BMF	bone morp	protein-coding
chr16-572	11.38343	0.170538	0.694747	0.245468	0.806094	0.981636	chr16	57210673	57228282	+	0	NA	intron (N	L1MA3|LIN	-25782	NM_012106	23568	Hs.632873	NM_012106	ENSG00000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr8-9451	9.33421	0.189997	0.774146	0.245428	0.806125	0.981636	chr8	94517085	94517306	+	0	NA	intron (N	intron (N	36274	NM_015496	25962	Hs.202238	NM_015496	ENSG00000	VIRMA	KIAA1429|	vir like	protein-coding
chr3-4570	9.830798	0.187379	0.763942	0.245279	0.80624	0.981636	chr3	45707159	45707715	+	0	NA	intron (N	Tigger6b|	18041	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr1-2914	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr1	29147531	29157717	+	0	NA	intron (N	L2b|LINE|	-28721	NM_001003	399474	Hs.712722	NM_001003	ENSG00000	TMEM200B	TTMB	transmemb	protein-coding
chr1-5395	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr1	53958222	53963294	+	0	NA	intron (N	intron (N	14408	NM_001256	115353	Hs.40094	NM_052940	ENSG00000	LRRC42	dJ167A19.	leucine r	protein-coding
chr1-1130	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA5|LIN	4896	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIC	leucine r	protein-coding
chr10-120	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr10	12008315	12012092	+	0	NA	intron (N	L1MEc|LIN	32606	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr10-689	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr10	68969163	68977943	+	0	NA	exon (NM_	exon (NM_	-15250	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 binc	protein-coding
chr10-101	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJb|SIN	2573	NM_001318	84445	Hs.523221	NM_032429	ENSG00000	LZTS2	LAPSER1	leucine z	protein-coding
chr11-371	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr11	3717439	3722795	+	0	NA	intron (N	intron (N	-48733	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-122	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr11	12204290	12204845	+	0	NA	intron (N	intron (N	40884	NR_106739	1.02E+08		NR_106739	ENSG00000	MIR6124	hsa-mir-6	microRNA	ncRNA
chr11-351	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr11	35145178	35150453	+	0	NA	intron (N	AluSp|SIN	8644	NM_001001	960	Hs.502328	NM_000610	ENSG00000	CD44	CDW44|CSF	CD44 mole	protein-coding
chr12-716	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr12	71639578	71648770	+	0	NA	exon (NM_	exon (NM_	19674	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr12-110	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	18248	NM_033121	88455	Hs.528703	NM_033121	ENSG00000	ANKRD13A	ANKRD13|N	ankyrin r	protein-coding
chr13-233	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr13	23360519	23371713	+	0	NA	intron (N	intron (N	9392	NM_001278	26278	Hs.159492	NM_014363	ENSG00000	SACS	ARSACS|DN	sacsin mc	protein-coding
chr13-758	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr13	75839297	75846261	+	0	NA	intron (N	intron (N	-28259	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 dowr	protein-coding
chr14-582	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr14	58256993	58262990	+	0	NA	intron (N	intron (N	15148	NM_002788	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr14-103	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx|SIN	21182	NM_001128	4140	Hs.35828	NM_002376	ENSG00000	MARK3	CTAK1|KP7	microtubu	protein-coding
chr15-405	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr15	40555699	40556940	+	0	NA	intron (N	intron (N	8723	NM_001080	90416	Hs.654661	NM_052849	ENSG00000	CCDC32	C15orf57	coiled-cc	protein-coding
chr15-784	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr15	78465298	78473962	+	0	NA	intron (N	AluSp|SIN	31209	NM_001320	3658	Hs.436031	NM_004136	ENSG00000	IREB2	ACO3|IRE-	iron resp	protein-coding
chr15-886	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr15	88626264	88633493	+	0	NA	intron (N	MIRb|SINE	-5754	NM_001303	3669	Hs.459265	NM_002201	ENSG00000	ISG20	CD25|HEM4	interferc	protein-coding
chr17-307	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr17	30743956	30747267	+	0	NA	intron (N	AluSz|SIN	36003	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr17-677	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr17	67719986	67732866	+	0	NA	intron (N	intron (N	8490	NM_015462	25926	Hs.463936	NM_015462	ENSG00000	NOL11	-	nucleolar	protein-coding
chr19-541	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr19	54183047	54183887	+	0	NA	intron (N	intron (N	6113	NM_001146	79143	Hs.467279	NM_024298	ENSG00000	MBOAT7	BB1|LENG4	membrane	protein-coding
chr2-1310	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	21746	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr2-1716	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSp|SIN	6834	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr20-119	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr20	11927298	11928514	+	0	NA	Intergeni	Intergeni	10013	NM_014962	22903	Hs.709366	NM_014962	ENSG00000	BTBD3	dJ742J24.	BTB domai	protein-coding
chr20-410	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr20	41095741	41098491	+	0	NA	TTS (NR_1	TTS (NR_1	-40427	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PI	phospholi	protein-coding
chr21-316	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr21	31667012	31668752	+	0	NA	intron (N	intron (N	8260	NM_000454	6647	Hs.443914	NM_000454	ENSG00000	SOD1	ALS|ALS1|	superoxic	protein-coding
chr22-416	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr22	41634208	41644779	+	0	NA	intron (N	AluJo|SIN	18198	NM_001288	2547	Hs.292493	NM_001469	ENSG00000	XRCC6	CTC75|CTC	X-ray rep	protein-coding
chr3-1509	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr3	15094251	15096570	+	0	NA	TTS (NR_1	TTS (NR_1	3738	NM_001302	64145	Hs.475565	NM_022340	ENSG00000	RBSN	Rabenosyr	rabenosyr	protein-coding
chr4-7470	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr4	747037	748696	+	0	NA	intron (N	intron (N	33982	NR_036511	1E+08	Hs.731755	NR_036511	ENSG00000	LOC100129	-	uncharact	ncRNA
chr5-4076	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr5	40760343	40769350	+	0	NA	exon (NM_	exon (NM_	-8885	NM_012382	23548	Hs.348915	NM_012382	ENSG00000	TTC33	OSRF	tetratric	protein-coding
chr5-9716	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr5	97167513	97179627	+	0	NA	intron (N	intron (N	9677	NM_001159	55781	Hs.27021	NM_018343	ENSG00000	RIOK2	RIO2	RIO kinas	protein-coding
chr5-1111	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr5	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	13112	NM_139281	134430	Hs.533237	NM_139281	ENSG00000	WDR36	GLC1G|TA-	WD repeat	protein-coding
chr5-1385	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	TTS (NR_1	TTS (NR_1	878	NR_145752	1.1E+08		NR_145752	ENSG00000	SNORD63B	-	small nuc	snoRNA
chr5-1786	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	10069	NM_020666	57396	Hs.406557	NM_020666	ENSG00000	CLK4	-	CDC like	protein-coding
chr6-5661	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr6	56618933	56621155	+	0	NA	exon (NM_	exon (NM_	22845	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr6-8767	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr6	87671412	87679982	+	0	NA	intron (N	intron (N	26536	NM_018064	55122	Hs.485915	NM_018064	ENSG00000	AKIRIN2	C6orf166|	akirin 2	protein-coding
chr6-1485	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	35668	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUF	SAM and S	protein-coding
chr6-1597	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-2505	NR_002960	677806	Hs.689705	NR_002960	ENSG00000	SNORA20	ACA20	small nuc	snoRNA
chr8-3841	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr8	38417207	38419959	+	0	NA	intron (N	MIR3|SINE	31452	NM_001199	137994	Hs.696457	NM_144652	ENSG00000	LETM2	SLC55A2	leucine z	protein-coding
chr8-7205	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr8	72052491	72060166	+	0	NA	TTS (NR_C	TTS (NR_C	19256	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr8-1301	9.144159	-0.18831	0.767921	-0.24522	0.806286	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-27171	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-2310	6.805972	0.23362	0.952733	0.245211	0.806293	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	Intergeni	L1PB2|LIN	17530	NR_031593	1E+08		NR_031593	ENSG00000	MIR1182	MIRN1182|	microRNA	ncRNA
chr12-106	9.391066	0.188366	0.768442	0.245127	0.806358	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	8682	NM_006825	10970	Hs.74368	NM_006825	ENSG00000	CKAP4	CLIMP-63|	cytoskele	protein-coding
chr14-737	9.391066	0.188366	0.768442	0.245127	0.806358	0.981636	chr14	73738438	73739374	+	0	NA	exon (NM_	exon (NM_	-19841	NR_039727	1.01E+08		NR_039727	ENSG00000	MIR4505	mir-4505	microRNA	ncRNA
chr5-7007	9.391066	0.188366	0.768442	0.245127	0.806358	0.981636	chr5	70071172	70071747	+	0	NA	intron (N	intron (N	21936	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr15-725	8.641563	-0.19525	0.796693	-0.24508	0.806394	0.981636	chr15	72572223	72574134	+	0	NA	intron (N	intron (N	-14039	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|F	microRNA	ncRNA
chr17-372	8.641563	-0.19525	0.796693	-0.24508	0.806394	0.981636	chr17	3721778	3722114	+	0	NA	intron (N	AluSp|SIN	-1957	NM_031965	83903	Hs.534059	NM_031965	ENSG00000	HASPIN	GSG2	histone F	protein-coding
chr22-217	8.641563	-0.19525	0.796693	-0.24508	0.806394	0.981636	chr22	21770957	21773023	+	0	NA	intron (N	intron (N	-36196	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr6-5651	8.641563	-0.19525	0.796693	-0.24508	0.806394	0.981636	chr6	56519569	56520243	+	0	NA	intron (N	L1MDa|LIN	122983	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-1791	9.854372	0.182953	0.746598	0.245049	0.806418	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluY|SINE	19113	NM_005158	27	Hs.159472	NM_005158	ENSG00000	ABL2	ABLL|ARG	ABL protc	protein-coding
chr11-714	4.905969	-0.25369	1.035311	-0.24503	0.806429	0.981636	chr11	71464079	71465426	+	0	NA	intron (N	AluY|SINE	-8751	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr17-497	4.905969	-0.25369	1.035311	-0.24503	0.806429	0.981636	chr17	49794756	49795337	+	0	NA	intron (N	intron (N	6365	NM_001199	11143	Hs.21907	NM_007067	ENSG00000	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr8-1059	7.862012	0.207106	0.845477	0.244958	0.806489	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	THE1C-int	141668	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr9-9597	9.62919	-0.18875	0.771141	-0.24477	0.806632	0.981636	chr9	95972952	95973588	+	0	NA	intron (N	L1ME3B|LI	48541	NR_024129	1E+08	Hs.434310	NR_024129	ENSG00000	LINC00092	NCRNA0009	long inte	ncRNA
chr3-1524	10.36668	0.177949	0.727077	0.244746	0.806653	0.981636	chr3	1.52E+08	1.52E+08	+	0	NA	intron (N	L1PA7|LIN	-79209	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr11-102	11.89573	0.166682	0.681478	0.244588	0.806775	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MA9|LIN	12049	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAF	baculovir	protein-coding
chr16-218	11.89573	0.166682	0.681478	0.244588	0.806775	0.981636	chr16	21846630	21846829	+	0	NA	intron (N	LTR48|LTF	10928	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr19-438	11.89573	0.166682	0.681478	0.244588	0.806775	0.981636	chr19	43828981	43850713	+	0	NA	intron (N	L1M4|LINE	12526	NM_181845	284349	Hs.652513	NM_181845	ENSG00000	ZNF283	HZF19|HZF	zinc fing	protein-coding
chr20-492	11.89573	0.166682	0.681478	0.244588	0.806775	0.981636	chr20	49252176	49264491	+	0	NA	intron (N	AluSp|SIN	19724	NM_021035	57169	Hs.371794	NM_021035	ENSG00000	ZNFX1	-	zinc fing	protein-coding
chr3-5220	11.89573	0.166682	0.681478	0.244588	0.806775	0.981636	chr3	52201795	52216137	+	0	NA	intron (N	intron (N	10806	NM_000688	211	Hs.476308	NM_000688	ENSG00000	ALAS1	ALAS|ALAS	5’-aminol	protein-coding
chr13-484	4.436654	-0.26734	1.093617	-0.24446	0.806877	0.981636	chr13	48452427	48453952	+	0	NA	intron (N	intron (N	-8520	NM_005767	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYF	lysophosp	protein-coding
chr13-981	4.436654	-0.26734	1.093617	-0.24446	0.806877	0.981636	chr13	98161292	98162913	+	0	NA	intron (N	(TTCT)n|S	15167	NM_178861	140432	Hs.296045	NM_178861	ENSG00000	RNF113B	RNF161|ZN	ring fing	protein-coding
chr15-943	4.436654	-0.26734	1.093617	-0.24446	0.806877	0.981636	chr15	94394321	94394756	+	0	NA	intron (N	AluSc8|SI	38608	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr8-1302	4.436654	-0.26734	1.093617	-0.24446	0.806877	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	80593	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr16-294	14.35611	-0.15366	0.628626	-0.24443	0.806896	0.981636	chr16	29451269	29452656	+	0	NA	intron (N	AluSp|SIN	2243	NR_135304	552900	Hs.444600	NM_001031	ENSG00000	BOLA2	BOLA2A|BC	bolA fami	protein-coding
chr1-1200	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr1	12000651	12000850	+	0	NA	intron (N	intron (N	-18748	NM_021933	60672	Hs.8595	NM_021933	ENSG00000	MIIP	IIP45	migratior	protein-coding
chr11-666	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr11	66649478	66650427	+	0	NA	intron (N	intron (N	11249	NM_001198	5936	Hs.523822	NM_002896	ENSG00000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr12-952	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr12	95281451	95283368	+	0	NA	exon (NM_	exon (NM_	-26011	NR_029895	442903		NR_029895	ENSG00000	MIR331	MIRN331|F	microRNA	ncRNA
chr14-506	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr14	50643464	50643928	+	0	NA	intron (N	intron (N	24610	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding

chr15-410	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr15	41094636	41095959	+	0	NA	intron (N	AluSq2|SI	20949	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-807	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr15	80724979	80726313	+	0	NA	intron (N	AluJo|SIN	30336	NM_021214	58489	Hs.459072	NM_021214	ENSG00000	ABHD17C	FAM108C1	abhydrola	protein-coding
chr19-374	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr19	37462500	37465139	+	0	NA	intron (N	Tigger3b|	3625	NM_001330	148266	Hs.511848	NM_152484	ENSG00000	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr2-9939	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr2	99390460	99391534	+	0	NA	intron (N	Tigger2a|	53608	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr4-3089	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr4	3089080	3089527	+	0	NA	intron (N	AluY|SINE	14622	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr6-1091	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PA3|LIN	-17472	NR_152435	221262	Hs.373914	NM_173671	ENSG00000	CCDC162P	C6orf183|	coiled-cc	pseudo
chr9-9501	8.682703	-0.193	0.790432	-0.24417	0.8071	0.981636	chr9	95019731	95022140	+	0	NA	intron (N	AluJb|SIN	-44415	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr10-500	10.87898	0.173391	0.710403	0.244075	0.807173	0.981636	chr10	50097763	50101968	+	0	NA	intron (N	intron (N	31911	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr14-754	9.605616	-0.18416	0.754847	-0.24397	0.807253	0.981636	chr14	75444223	75444952	+	0	NA	intron (N	MIRc|SINE	12453	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr14-815	9.605616	-0.18416	0.754847	-0.24397	0.807253	0.981636	chr14	81524280	81524848	+	0	NA	intron (N	L1MC5a|LI	9289	NM_005065	6400	Hs.181300	NM_005065	ENSG00000	SEL1L	Hrd3|PRO1	SEL1L ada	protein-coding
chr7-1001	9.605616	-0.18416	0.754847	-0.24397	0.807253	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluJo|SIN	7771	NM_001364	6878	Hs.489309	NM_005641	ENSG00000	TAF6	ALYUS|MGC	TATA-box	protein-coding
chr14-607	9.564476	-0.18639	0.764484	-0.24381	0.807379	0.981636	chr14	60718908	60720545	+	0	NA	intron (N	intron (N	4625	NM_017420	51804	Hs.97849	NM_017420	ENSG00000	SIX4	AREC3	SIX homeo	protein-coding
chr3-4940	8.374316	0.199505	0.818363	0.243786	0.807397	0.981636	chr3	49403115	49403727	+	0	NA	intron (N	intron (N	8555	NM_001313	387	Hs.247077	NM_001664	ENSG00000	RHOA	ARH12|ARH	ras homol	protein-coding
chr1-2402	10.92012	0.174657	0.716792	0.243665	0.80749	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1PA7|LIN	128848	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr12-133	12.40803	0.163146	0.670071	0.243476	0.807637	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MA6|LIN	22969	NM_001300	7699	Hs.181552	NM_003440	ENSG00000	ZNF140	pHZ-39	zinc fing	protein-coding
chr20-333	9.349926	0.186889	0.768186	0.243286	0.807784	0.981636	chr20	33381711	33382106	+	0	NA	intron (N	L1MD3|LIN	19611	NM_016408	51654	Hs.435952	NM_016082	ENSG00000	CDK5RAP1	C20orf34|	CDK5 regu	protein-coding
chr1-1557	9.90337	0.1828	0.751431	0.24327	0.807797	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	5962	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr11-108	9.90337	0.1828	0.751431	0.24327	0.807797	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJr|SIN	-41300	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr1-1516	11.39128	0.169231	0.69612	0.243107	0.807923	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	L1MA2|LIN	46483	NM_001172	11189	Hs.26047	NM_007185	ENSG00000	CELF3	BRUNOL1|C	CUGBP Ela	protein-coding
chr19-525	11.39128	0.169231	0.69612	0.243107	0.807923	0.981636	chr19	52543596	52560999	+	0	NA	intron (N	AluY|SINE	-17976	NM_018260	55762	Hs.235167	NM_018260	ENSG00000	ZNF701	-	zinc fing	protein-coding
chr20-106	11.39128	0.169231	0.69612	0.243107	0.807923	0.981636	chr20	10639060	10649648	+	0	NA	intron (N	intron (N	5341	NR_106930	1.02E+08		NR_106930	ENSG00000	MIR6870	hsa-mir-6	microRNA	ncRNA
chr7-1025	11.39128	0.169231	0.69612	0.243107	0.807923	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	4286	NM_001097	548644	Hs.610255	NM_001015	ENSG00000	POLR2J3	POLR2J2|R	RNA polym	protein-coding
chr20-509	8.837622	0.192897	0.793507	0.243095	0.807932	0.981636	chr20	50923389	50923851	+	0	NA	intron (N	AluSx|SIN	-7364	NR_110009	1.02E+08	Hs.301898	NR_110007	ENSG00000	ADNP-AS1	-	ADNP anti	ncRNA
chr2-3327	9.86223	0.181445	0.746797	0.242965	0.808033	0.981636	chr2	33276349	33277194	+	0	NA	intron (N	AluSz6|SI	-141745	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr22-387	9.86223	0.181445	0.746797	0.242965	0.808033	0.981636	chr22	38727984	38729345	+	0	NA	intron (N	intron (N	22720	NM_004286	9567	Hs.276925	NM_004286	ENSG00000	GTPBP1	GP-1|GP1|	GTP bindi	protein-coding
chr6-7562	9.86223	0.181445	0.746797	0.242965	0.808033	0.981636	chr6	75627114	75627324	+	0	NA	intron (N	AluSx|SIN	25339	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSP	SUMO spec	protein-coding
chr12-112	4.477794	-0.26283	1.081833	-0.24295	0.808046	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	TTS (NR_1	TTS (NR_1	396	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr22-451	4.477794	-0.26283	1.081833	-0.24295	0.808046	0.981636	chr22	45151164	45151729	+	0	NA	intron (N	Charlie19	1138	NR_038957	1.01E+08	Hs.189902	NR_038956		NUP50-DT	NUP50-AS1	NUP50 div	ncRNA
chr4-1076	4.477794	-0.26283	1.081833	-0.24295	0.808046	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA4|LIN	43749	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr1-8494	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr1	8494816	8496146	+	0	NA	promoter-	promoter-	-568	NR_132752	1.07E+08		NR_132752		SNORD128	ZL43	small nuc	snoRNA
chr1-2692	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr1	26924080	26927208	+	0	NA	intron (N	intron (N	3901	NM_006600	10726	Hs.263812	NM_006600	ENSG00000	NUDC	HNUDC|MNU	nuclear c	protein-coding
chr1-3943	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr1	39432533	39434744	+	0	NA	intron (N	intron (N	24565	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr11-110	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	62985	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr11-119	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSg|SIN	3931	NM_001028	6230	Hs.512676	NM_001028	ENSG00000	RPS25	S25	ribosomal	protein-coding
chr11-124	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	3416	NR_016021	84897	Hs.436410	NM_032811	ENSG00000	TBRG1	NIAM|TB-5	transform	protein-coding
chr12-557	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr12	55757348	55761134	+	0	NA	intron (N	intron (N	16119	NM_005811	10220	Hs.600883	NM_005811	ENSG00000	GDF11	BMP-11|BM	growth di	protein-coding
chr12-132	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluJb|SIN	7603	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr13-499	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr13	49923581	49926980	+	0	NA	intron (N	AluSx4|SI	11060	NM_020456	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|C	SPRY doma	protein-coding
chr13-113	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	-11035	NM_001278	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr15-484	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr15	48441377	48448493	+	0	NA	intron (N	intron (N	112738	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr16-750	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr16	75021034	75021435	+	0	NA	intron (N	AluSq2|SI	22210	NM_032268	84937	Hs.427284	NM_032268	ENSG00000	ZNRF1	NIN283	zinc and	protein-coding
chr17-419	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr17	4191273	4193912	+	0	NA	intron (N	intron (N	48895	NM_001254	124936	Hs.513871	NM_144611	ENSG00000	CYB5D2	-	cytochrom	protein-coding
chr17-547	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr17	5476525	5482565	+	0	NA	intron (N	intron (N	6633	NM_016041	51009	Hs.286131	NM_016041	ENSG00000	DERL2	CGI-101|D	derlin 2	protein-coding
chr17-160	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr17	16029433	16031313	+	0	NA	TTS (NM_0	TTS (NM_0	30549	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-685	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr17	68515424	68519726	+	0	NA	intron (N	THE1C|LTR	2181	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr18-277	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr18	2775597	2778895	+	0	NA	intron (N	intron (N	-69760	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr19-471	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr19	4710601	4713270	+	0	NA	intron (N	MLT1D|LTR	11907	NR_158699	91039	Hs.515081	NM_139159	ENSG00000	DPP9	DP9|DPLP9	dipeptidy	protein-coding
chr2-3240	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr2	32405625	32409508	+	0	NA	intron (N	intron (N	50538	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-6740	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr2	67402850	67406452	+	0	NA	exon (NM_	exon (NM_	7318	NM_019002	54465	Hs.353022	NM_019002	ENSG00000	ETAA1	ETAA16	ETAA1 act	protein-coding
chr2-1277	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	18479	NM_032740	84826	Hs.345849	NM_032740	ENSG00000	SFT2D3	-	SFT2 doma	protein-coding
chr22-287	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr22	28744135	28749026	+	0	NA	TTS (NM_0	TTS (NM_0	3899	NM_001318	150274	Hs.632780	NM_172002	ENSG00000	HSCB	DNAJC20|H	HscB mito	protein-coding
chr22-411	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr22	41130104	41133429	+	0	NA	intron (N	intron (N	39174	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr3-1566	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr3	15669893	15671549	+	0	NA	intron (N	intron (N	26650	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr4-7797	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr4	7797026	7801100	+	0	NA	intron (N	intron (N	44973	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr4-7699	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr4	76996515	77002897	+	0	NA	intron (N	intron (N	49954	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-1392	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	5886	NR_002915	26821	Hs.684893	NR_002915	ENSG00000	SNORA74A	RNU19|U19	small nuc	snoRNA
chr5-1714	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	-11342	NM_003862	8817	Hs.87191	NM_003862	ENSG00000	FGF18	FGF-18|ZF	fibroblas	protein-coding
chr6-4059	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr6	4059747	4063236	+	0	NA	3’ UTR (N	3’ UTR (N	17646	NM_173563	222826	Hs.657342	NM_173563	ENSG00000	FAM217A	C6orf146	family wi	protein-coding
chr6-1548	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-33337	NR_036100	1E+08		NR_036100	ENSG00000	MIR1273C	-	microRNA	ncRNA
chr7-7550	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr7	75502527	75503355	+	0	NA	3’ UTR (N	3’ UTR (N	9314	NM_001306	442590	Hs.632298	NM_001099	ENSG00000	SPDYE5	-	speedy/RI	protein-coding
chr7-9257	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr7	92572675	92579556	+	0	NA	intron (N	intron (N	13934	NM_001288	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-9262	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr7	92627404	92628561	+	0	NA	intron (N	intron (N	-37592	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr7-1348	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-22805	NM_033139	800	Hs.490203	NM_004342	ENSG00000	CALD1	CDM|H-CAD	caldesmon	protein-coding
chr8-1168	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-22657	NR_033886	644660	Hs.706174	NR_033886	ENSG00000	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr9-1268	9.136301	-0.18683	0.769096	-0.24292	0.808068	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1MB7|LIN	7383	NM_014007	23099	Hs.355581	NM_014007	ENSG00000	ZBTB43	ZBTB22B|Z	zinc fing	protein-coding
chr1-1853	12.87134	0.159918	0.658901	0.242704	0.808235	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	11023	NM_006469	10625	Hs.497183	NM_006469	ENSG00000	IVNS1ABP	ARA3|FLAP	influenza	protein-coding
chr12-120	8.229104	-0.19962	0.823822	-0.2423	0.808545	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSg7|SI	11552	NM_003769	8683	Hs.706889	NM_003769	ENSG00000	SRSF9	SFRS9|SRp	serine ar	protein-coding
chr17-318	10.37453	0.176503	0.728617	0.242243	0.808592	0.981636	chr17	31898191	31899693	+	0	NA	intron (N	AluSz6|SI	2766	NM_018428	55813	Hs.589862	NM_018428	ENSG00000	UTP6	C17orf40|	UTP6 smal	protein-coding
chr9-4101	10.37453	0.176503	0.728617	0.242243	0.808592	0.981636	chr9	41014860	41016320	+	0	NA	intron (N	LTR16C|LT	23329	NR_034006	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr10-999	12.92034	0.159901	0.660277	0.242173	0.808646	0.981636	chr10	99954434	99957742	+	0	NA	exon (NM_	exon (NM_	-25181	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr7-4573	9.597758	-0.18274	0.754651	-0.24215	0.808667	0.981636	chr7	45737845	45738915	+	0	NA	intron (N	intron (N	30638	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr7-1023	11.84673	0.166716	0.688672	0.242084	0.808715	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	3352	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr1-1788	8.180107	-0.20034	0.829287	-0.24158	0.809106	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-21502	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr12-567	12.8792	0.158757	0.657206	0.241564	0.809118	0.981636	chr12	56711319	56715039	+	0	NA	exon (NM_	exon (NM_	12120	NM_005594	4666	Hs.505735	NM_005594	ENSG00000	NACA	HSD48|NAC	nascent p	protein-coding
chr2-1739	12.8792	0.158757	0.657206	0.241564	0.809118	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	exon (NM_	exon (NM_	8466	NM_001017	6670	Hs.531587	NM_003111	ENSG00000	SP3	SPR2	Sp3 trans	protein-coding
chr10-632	8.674845	-0.19139	0.793217	-0.24129	0.809332	0.981636	chr10	63213686	63214679	+	0	NA	exon (NM_	exon (NM_	55041	NM_001282	221037	Hs.413416	NM_004241	ENSG00000	JMJD1C	KDM3C|TRI	jumonji c	protein-coding
chr12-105	8.674845	-0.19139	0.793217	-0.24129	0.809332	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz|SIN	42022	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr2-4396	8.674845	-0.19139	0.793217	-0.24129	0.809332	0.981636	chr2	43961102	43963855	+	0	NA	intron (N	intron (N	33511	NM_133259	10128	Hs.368084	NM_133259	ENSG00000	LRPPRC	CLONE-239	leucine r	protein-coding
chr6-1570	8.674845	-0.19139	0.793217	-0.24129	0.809332	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	48435	NM_001363	57492	Hs.291587	NM_017519	ENSG00000	ARID1B	6A3-5|BAF	AT-rich i	protein-coding
chr10-102	10.88684	0.172004	0.713103	0.241205	0.809396	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	5725	NM_003893	8861	Hs.454418	NM_003893	ENSG00000	LDB1	CLIM-2|CL	LIM domai	protein-coding
chr19-212	13.3915	0.155789	0.646263	0.241061	0.809508	0.981636	chr19	21293571	21297063	+	0	NA	intron (N	intron (N	34093	NM_021269	7562	Hs.466296	NM_021269	ENSG00000	ZNF708	KOX8|ZNF1	zinc fing	protein-coding
chr19-138	4.898111	-0.25109	1.042337	-0.24089	0.809638	0.981636	chr19	13827687	13828860	+	0	NA	intron (N	AluSx1|SI	8086	NR_029497	407013		NR_029497	ENSG00000	MIR24-2	MIRN24-2|	microRNA	ncRNA
chr2-1329	4.898111	-0.25109	1.042337	-0.24089	0.809638	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYj4|SI	17551	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-2248	4.898111	-0.25109	1.042337	-0.24089	0.809638	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	AluSq2|SI	113195	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr5-1294	4.898111	-0.25109	1.042337	-0.24089	0.809638	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-21555	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr11-119	9.357784	0.185261	0.769947	0.240615	0.809854	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	1506	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr1-1016	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chr1	10162751	10163526	+	0	NA	intron (N	AluJo|SIN	-47432	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-1763	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chr1	17635422	17636075	+	0	NA	intron (N	L2b|LINE|	17435	NM_001328	55160	Hs.443460	NM_018125	ENSG00000	ARHGEF10L	GrinchGEF	Rho guani	protein-coding
chr10-498	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chr10	49843441	49844069	+	0	NA	intron (N	L1MC4|LIN	-81376	NM_001347	55753	Hs.17860	NM_018245	ENSG00000	OGDHL	-	oxoglutar	protein-coding
chr8-1302	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	84208	NR_002765	29065	Hs.639318	NR_002765		ASAP1-IT1	ASAP1-IT|	ASAP1 int	ncRNA
chr8-1435	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	2621	NM_145201	93100	Hs.493164	NM_145201	ENSG00000	NAPRT	NAPRT1|PF	nicotinat	protein-coding
chrX-1494	4.939251	-0.24686	1.026005	-0.2406	0.809865	0.981636	chrX	1.49E+08	1.5E+08	+	0	NA	intron (N	intron (N	5019	NM_000202	3423	Hs.6795	NM_000202	ENSG00000	IDS	MPS2|SIDS	iduronate	protein-coding
chr1-2027	7.813014	0.206926	0.860342	0.240517	0.80993	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-14718	NM_177402	127833	Hs.25422	NM_177402	ENSG00000	SYT2	CMS7|MYSP	synaptota	protein-coding
chr11-682	9.185299	-0.18613	0.774356	-0.24037	0.810046	0.981636	chr11	68265044	68268840	+	0	NA	intron (N	intron (N	5031	NM_022338	53838	Hs.303025	NM_022338	ENSG00000	C11orf24	DM4E3	chromosom	protein-coding
chr12-100	9.185299	-0.18613	0.774356	-0.24037	0.810046	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	L1PA7|LIN	36992	NM_001330	55681	Hs.506481	NM_017988	ENSG00000	SCYL2	CVAK104	SCY1 like	protein-coding
chr3-1227	9.185299	-0.18613	0.774356	-0.24037	0.810046	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	32783	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr8-9734	9.185299	-0.18613	0.774356	-0.24037	0.810046	0.981636	chr8	9734748	9736573	+	0	NA	intron (N	AluY|SINE	-6012	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr6-2814	12.37475	0.160775	0.669063	0.240299	0.810098	0.981636	chr6	28148007	28158606	+	0	NA	exon (NM_	exon (NM_	-8455	NR_103448	651302	Hs.172143	NM_001145	ENSG00000	ZNF192P1	ZNF389|ZN	zinc fing	pseudo
chr22-219	9.398924	0.186623	0.776761	0.240257	0.810131	0.981636	chr22	21966087	21967735	+	0	NA	intron (N	intron (N	-14063	NM_014634	9647	Hs.112728	NM_014634	ENSG00000	PPM1F	CAMKP|CaM	protein p	protein-coding
chr7-7656	8.633705	-0.19358	0.805833	-0.24022	0.81016	0.981636	chr7	76566721	76566924	+	0	NA	intron (N	L1PA4|LIN	17481	NR_029411	1E+08	Hs.712837	NR_029411	ENSG00000	LOC100133	-	uncharact	ncRNA
chr16-118	9.646755	-0.18215	0.758845	-0.24003	0.810306	0.981636	chr16	11884488	11886265	+	0	NA	intron (N	intron (N	30580	NM_002094	2935	Hs.528780	NM_002094	ENSG00000	GSPT1	551G9.2|E	G1 to S p	protein-coding
chr12-112	14.33254	-0.15072	0.627942	-0.24003	0.810307	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	2634	NM_001320	6128	Hs.528668	NM_000970	ENSG00000	RPL6	L6|SHUJUN	ribosomal	protein-coding
chr5-5845	14.87156	0.149182	0.621695	0.23996	0.810361	0.981636	chr5	58451543	58459680	+	0	NA	exon (NM_	exon (NM_	4475	NM_006622	10769	Hs.398157	NM_006622	ENSG00000	PLK2	SNK|hPlk2	polo like	protein-coding
chr22-176	9.870088	0.179886	0.749897	0.23988	0.810423	0.981636	chr22	17615837	17616315	+	0	NA	intron (N	AluSx3|SI	12673	NM_001696	529	Hs.517338	NM_001696	ENSG00000	ATP6V1E1	ARCL2C|AT	ATPase H+	protein-coding
chr1-8910	9.177441	-0.18466	0.770035	-0.23981	0.810481	0.981636	chr1	89108093	89111537	+	0	NA	exon (NM_	exon (NM_	16299	NM_004120	2634	Hs.386567	NM_004120	ENSG00000	GBP2	-	guanylate	protein-coding
chr3-1795	9.177441	-0.18466	0.770035	-0.23981	0.810481	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	7297	NM_020409	57129	Hs.283734	NM_020409	ENSG00000	MRPL47	CGI-204|L	mitochond	protein-coding
chr5-1511	9.177441	-0.18466	0.770035	-0.23981	0.810481	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-4752	NM_001193	309	Hs.412117	NM_001155	ENSG00000	ANXA6	ANX6|CBP6	annexin A	protein-coding
chr7-2791	9.177441	-0.18466	0.770035	-0.23981	0.810481	0.981636	chr7	2791243	2794799	+	0	NA	intron (N	L1MC4a|LI	22209	NM_001282	2768	Hs.487341	NM_007353	ENSG00000	GNA12	NNX3|RMP|	G protein	protein-coding
chr9-1104	9.177441	-0.18466	0.770035	-0.23981	0.810481	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	-89260	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr16-689	8.221246	-0.1979	0.825273	-0.2398	0.810485	0.981636	chr16	68927526	68927986	+	0	NA	exon (NM_	exon (NM_	84225	NM_024562	79613	Hs.13526	NM_024562	ENSG00000	TANGO6	TMCO7	transport	protein-coding
chr11-104	9.638897	-0.18067	0.753487	-0.23978	0.810499	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	HUERS-P1-	6897	NM_033306	837	Hs.138378	NM_001225	ENSG00000	CASP4	ICE(rel)I	caspase 4	protein-coding
chr7-1286	9.638897	-0.18067	0.753487	-0.23978	0.810499	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	MIR1_Amn|	-21935	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chrX-2928	9.638897	-0.18067	0.753487	-0.23978	0.810499	0.981636	chrX	292881	294051	+	0	NA	intron (N	AluSx|SIN	9988	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LL0XNC01-	phosphati	protein-coding
chr12-106	9.128443	-0.18533	0.773041	-0.23974	0.810529	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	-85281	NM_213594	5992	Hs.388827	NM_002920	ENSG00000	RFX4	NYD-SP10	regulator	protein-coding
chr12-110	9.128443	-0.18533	0.773041	-0.23974	0.810529	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	12467	NM_001244	5501	Hs.79081	NM_002710	ENSG00000	PPP1CC	PP-1G|PP1	protein p	protein-coding
chr6-7350	9.128443	-0.18533	0.773041	-0.23974	0.810529	0.981636	chr6	73500934	73501838	+	0	NA	3’ UTR (N	3’ UTR (N	17052	NR_132981	1.07E+08		NR_132981		SNORD141B	-	small nuc	snoRNA
chr7-1085	9.128443	-0.18533	0.773041	-0.23974	0.810529	0.981636	chr7	1.09E+08	1.09E+08	+	0	NA	5’ UTR (N	5’ UTR (N	7932	NM_001256	50640	Hs.617340	NM_015723	ENSG00000	PNPLA8	IPLA2-2|I	patatin l	protein-coding
chr14-710	12.88706	0.157603	0.657433	0.239725	0.810544	0.981636	chr14	71075799	71079311	+	0	NA	intron (N	intron (N	170096	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex l	protein-coding
chr14-212	9.5899	-0.18134	0.757012	-0.23954	0.810684	0.981636	chr14	21267082	21268772	+	0	NA	intron (N	intron (N	1552	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heterogen	protein-coding
chr10-124	4.469936	-0.25983	1.085914	-0.23927	0.810896	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	Intergeni	AluSx3|SI	-12681	NM_017580	54764	Hs.595158	NM_017580	ENSG00000	ZRANB1	TRABID	zinc fing	protein-coding
chr3-5548	4.469936	-0.25983	1.085914	-0.23927	0.810896	0.981636	chr3	55483557	55484400	+	0	NA	intron (N	intron (N	-2580	NM_001256	7474	Hs.643085	NM_003392	ENSG00000	WNT5A	hWNT5A	Wnt famil	protein-coding
chr3-8809	4.469936	-0.25983	1.085914	-0.23927	0.810896	0.981636	chr3	88091399	88092019	+	0	NA	intron (N	THE1B|LTR	32454	NM_001350	55279	Hs.591650	NM_018293	ENSG00000	ZNF654	-	zinc fing	protein-coding
chr9-1372	4.469936	-0.25983	1.085914	-0.23927	0.810896	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluYh3|SI	6023	NM_015456	25920	Hs.521809	NM_015456	ENSG00000	NELFB	COBRA1|NE	negative	protein-coding

chr15-490	10.8457	0.170685	0.714017	0.239049	0.811068	0.981636	chr15	49042345	49043093	+	0	NA	intron (N	intron (N	3727	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr6-1309	10.8457	0.170685	0.714017	0.239049	0.811068	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	MLT1A1|LT	16696	NM_001350	2037	Hs.486470	NM_001431	ENSG00000	EPB41L2	4.1-G|4.1	erythrocy	protein-coding
chr1-2626	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr1	26268335	26270166	+	0	NA	promoter-	promoter-	-29	NM_001281	64793	Hs.63795	NM_022778	ENSG00000	CEP85	CCDC21	centrosom	protein-coding
chr1-5182	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr1	51822965	51823813	+	0	NA	intron (N	intron (N	13013	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-8465	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr1	84650296	84652166	+	0	NA	intron (N	AluJo|SIN	-16211	NR_027379	439927	Hs.407054	NM_001033	ENSG00000	LINC01555	C1orf180	long inte	ncRNA
chr11-625	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr11	62516782	62538745	+	0	NA	exon (NM_	exon (NM_	17901	NM_001346	79026	Hs.502756	NM_001620	ENSG00000	AHNAK	AHNAKRS|F	AHNAK nuc	protein-coding
chr12-575	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr12	57530107	57530534	+	0	NA	TTS (NM_0	TTS (NM_0	7496	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr17-266	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr17	2669555	2678961	+	0	NA	exon (NM_	exon (NM_	18661	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr19-563	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr19	56372856	56377780	+	0	NA	intron (N	intron (N	-6935	NM_001322	79149	Hs.177688	NM_024303	ENSG00000	ZSCAN5A	ZNF495|ZS	zinc fing	protein-coding
chr4-7700	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr4	77003952	77006858	+	0	NA	intron (N	intron (N	55653	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-1285	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	18266	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr8-1300	9.63104	-0.17924	0.750746	-0.23874	0.811304	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	28455	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr19-210	11.87031	0.162967	0.682754	0.238691	0.811345	0.981636	chr19	21054762	21057931	+	0	NA	intron (N	AluSx|SIN	-25801	NR_117087	148206	Hs.729186	NM_182515	ENSG00000	ZNF714	-	zinc fing	protein-coding
chr16-218	10.33339	0.175072	0.733626	0.238639	0.811385	0.981636	chr16	21834958	21835238	+	0	NA	exon (NM_	exon (NM_	-14613	NM_018427	54700	Hs.460078	NM_018427	ENSG00000	RRN3	A-270G1.2	RRN3 homo	protein-coding
chr1-3301	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr1	33012299	33014703	+	0	NA	intron (N	intron (N	23382	NM_001199	204	Hs.470907	NM_001625	ENSG00000	AK2	ADK2	adenylate	protein-coding
chr1-1139	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MA1|LIN	-11814	NM_001286	56944	Hs.9315	NM_020190	ENSG00000	OLFML3	HNOEL-iso	olfactome	protein-coding
chr10-300	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr10	30032984	30034652	+	0	NA	intron (N	intron (N	25768	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr10-741	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr10	74111066	74113538	+	0	NA	intron (N	intron (N	38526	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr11-337	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr11	33732251	33733380	+	0	NA	intron (N	MLT1E2|LT	3664	NM_203331	966	Hs.278573	NM_000611	ENSG00000	CD59	16.3A5|1F	CD59 mole	protein-coding
chr12-640	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr12	64050825	64051379	+	0	NA	intron (N	L1MC5a|LI	171194	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr13-327	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr13	32760170	32762004	+	0	NA	intron (N	L1ME4b|LI	150565	NR_047020	1.01E+08	Hs.406290	NR_047020		LINC00423	-	long inte	ncRNA
chr13-995	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr13	99508721	99509626	+	0	NA	intron (N	MSTA-int|	7701	NM_004800	9375	Hs.607896	NM_004800	ENSG00000	TM9SF2	P76	transmemb	protein-coding
chr15-422	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr15	42258303	42268608	+	0	NA	intron (N	L1MB4|LIN	9978	NM_015497	25963	Hs.511138	NM_015497	ENSG00000	TMEM87A	-	transmemb	protein-coding
chr15-429	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr15	42972070	42973528	+	0	NA	intron (N	L1MC1|LIN	-52021	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr17-846	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr17	8466751	8468871	+	0	NA	3’ UTR (N	3’ UTR (N	31927	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-304	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr17	30479583	30481014	+	0	NA	intron (N	AluSz|SIN	2890	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr2-3651	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr2	36514690	36519541	+	0	NA	intron (N	intron (N	81053	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-2034	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	45606	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr5-1505	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	38299	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding
chr7-5405	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr7	5405618	5406632	+	0	NA	intron (N	L1MB3|LIN	17421	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinuclec	protein-coding
chr7-8716	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr7	87164553	87175244	+	0	NA	intron (N	L2a|LINE|	17344	NM_021145	9988	Hs.196129	NM_021145	ENSG00000	DMTF1	DMP1|DMTF	cyclin D	protein-coding
chr8-1447	9.169583	-0.18319	0.768484	-0.23837	0.811591	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	MLT1A|LTR	10990	NM_138367	90987	Hs.534516	NM_138367	ENSG00000	ZNF251	-	zinc fing	protein-coding
chr12-195	8.382174	0.197439	0.828394	0.23834	0.811617	0.981636	chr12	19512536	19512913	+	0	NA	intron (N	AluSz6|SI	72125	NM_001267	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr15-560	8.382174	0.197439	0.828394	0.23834	0.811617	0.981636	chr15	56097308	56097516	+	0	NA	intron (N	intron (N	92520	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr9-1377	8.382174	0.197439	0.828394	0.23834	0.811617	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25273	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr6-7361	8.723842	-0.19052	0.799909	-0.23818	0.811742	0.981636	chr6	73614112	73615271	+	0	NA	intron (N	MER21B|LT	39301	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr15-101	14.82727	-0.14708	0.617593	-0.23815	0.811768	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	L2c|LINE|	3555	NR_003659	374666	Hs.459573	NM_199163		WASH3P	FAM39DP	WASP fami	pseudo
chr11-872	9.911228	0.181143	0.760736	0.238115	0.811792	0.981636	chr11	8729957	8730197	+	0	NA	exon (NM_	exon (NM_	-38701	NR_120590	1.03E+08	Hs.613276	NR_120590		LOC102724	-	uncharact	ncRNA
chr13-995	9.662471	-0.18527	0.778135	-0.2381	0.811804	0.981636	chr13	99521304	99521601	+	0	NA	intron (N	intron (N	19980	NM_004800	9375	Hs.607896	NM_004800	ENSG00000	TM9SF2	P76	transmemb	protein-coding
chr1-1036	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr1	1036313	1037121	+	0	NA	intron (N	intron (N	2724	NM_001364	375790	Hs.273330	NM_198576	ENSG00000	AGRN	AGRIN|CMS	agrin	protein-coding
chr10-294	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr10	29425142	29426118	+	0	NA	intron (N	intron (N	15387	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr11-433	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr11	43381936	43383810	+	0	NA	intron (N	L1MC5|LIN	23953	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr15-663	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr15	66333288	66335777	+	0	NA	TTS (NM_0	TTS (NM_0	12810	NR_004388	692149		NR_004388	ENSG00000	SCARNA14	U100	small Ca	ncRNA
chr16-748	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr16	74899403	74900514	+	0	NA	intron (N	intron (N	85165	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr17-416	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr17	4164425	4164934	+	0	NA	non-codin	non-codin	20982	NM_001254	124936	Hs.513871	NM_144611	ENSG00000	CYB5D2	-	cytochrom	protein-coding
chr18-136	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr18	13665816	13668130	+	0	NA	intron (N	intron (N	25215	NM_001276	753	Hs.697787	NM_004338	ENSG00000	LDLRAD4	C18orf1	low densi	protein-coding
chr18-576	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr18	57697455	57698453	+	0	NA	intron (N	intron (N	67623	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-214	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr19	2149120	2150139	+	0	NA	intron (N	intron (N	1937	NM_003938	8943	Hs.512815	NM_003938	ENSG00000	AP3D1	ADTD|HPS1	adaptor r	protein-coding
chr5-6967	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr5	69673386	69673946	+	0	NA	intron (N	L1PA3|LIN	36861	NR_027386	653188	Hs.631974	NR_027386	ENSG00000	GUSBP3	GUSBP1|SM	GUSB pseu	pseudo
chr6-5739	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr6	57395142	57397187	+	0	NA	intron (N	L1PB1|LIN	6032	NR_036097	1E+08		NR_036097	ENSG00000	MIR548U	-	microRNA	ncRNA
chr6-1166	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	MER103C|D	11159	NM_145062	221302	Hs.29857	NM_145062	ENSG00000	ZUP1	C6orf113|	zinc fing	protein-coding
chr6-1600	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-18112	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr7-7781	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr7	77817775	77818640	+	0	NA	intron (N	L1MA5A|LI	19236	NM_001366	57157	Hs.203965	NM_020432	ENSG00000	PHTF2	-	putative	protein-coding
chr7-9940	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr7	99403855	99405835	+	0	NA	intron (N	intron (N	3752	NM_014891	11333	Hs.632296	NM_014891	ENSG00000	PDAP1	HASPP28|F	PDGFA ass	protein-coding
chr8-4797	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr8	47972111	47972913	+	0	NA	intron (N	intron (N	11571	NM_182746	4173	Hs.460184	NM_005914	ENSG00000	MCM4	CDC21|CDC	minichrom	protein-coding
chr8-8996	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr8	89963774	89965225	+	0	NA	exon (NM_	exon (NM_	20172	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin	protein-coding
chr8-9972	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr8	99720595	99721837	+	0	NA	intron (N	intron (N	172491	NM_004374	1345	Hs.351875	NM_004374	ENSG00000	COX6C	-	cytochrom	protein-coding
chr9-2182	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chr9	21827971	21829537	+	0	NA	intron (N	MER33|DNA	26118	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chrX-1112	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chrX	11121070	11121889	+	0	NA	intron (N	intron (N	10147	NM_005333	3052	Hs.211571	NM_005333	ENSG00000	HCCS	CCHL|LSDM	holocytoc	protein-coding
chrX-1994	4.931393	-0.24421	1.026031	-0.23801	0.81187	0.981636	chrX	19945608	19946293	+	0	NA	intron (N	L1PA2|LIN	24314	NM_001367	256643	Hs.28896	NM_198279	ENSG00000	BCLAF3	CXorf23	BCLAF1 ar	protein-coding
chr17-419	10.10035	-0.17728	0.74509	-0.23793	0.811938	0.981636	chr17	41911328	41913759	+	0	NA	intron (N	intron (N	6408	NM_001096	47	Hs.387567	NM_001096	ENSG00000	ACLY	ACL|ATPCL	ATP citra	protein-coding
chr15-767	7.431987	0.218301	0.918869	0.237576	0.81221	0.981636	chr15	76712791	76713034	+	0	NA	intron (N	L1PA3|LIN	126265	NR_037464	1.01E+08		NR_037464	ENSG00000	MIR3713	-	microRNA	ncRNA
chr3-8696	10.8947	0.170573	0.718368	0.237445	0.812312	0.981636	chr3	86967758	86969100	+	0	NA	intron (N	intron (N	22720	NM_001320	389136	Hs.606507	NM_016206	ENSG00000	VGLL3	VGL-3|VGL	vestigial	protein-coding
chr2-3336	8.666987	-0.18972	0.799074	-0.23743	0.812325	0.981636	chr2	33360539	33360934	+	0	NA	exon (NM_	exon (NM_	-57780	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-2325	8.666987	-0.18972	0.799074	-0.23743	0.812325	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	TTS (NM_0	TTS (NM_0	19012	NM_001330	9470	Hs.292026	NM_004846	ENSG00000	EIF4E2	4E-LP|4EH	eukaryoti	protein-coding
chr22-408	8.666987	-0.18972	0.799074	-0.23743	0.812325	0.981636	chr22	40884357	40884629	+	0	NA	intron (N	AluSq2|SI	-22380	NM_145174	150353	Hs.585042	NM_145174	ENSG00000	DNAJB7	DJ5|HSC3	DnaJ heat	protein-coding
chr5-1404	8.666987	-0.18972	0.799074	-0.23743	0.812325	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	L1PA5|LIN	51960	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr17-262	10.0925	-0.17583	0.741286	-0.2372	0.812502	0.981636	chr17	2622401	2623188	+	0	NA	intron (N	THE1A-int	29140	NM_000430	5048	Hs.77318	NM_000430	ENSG00000	PAFAH1B1	LIS1|LIS2	platelet	protein-coding
chr1-2779	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr1	27796350	27797374	+	0	NA	intron (N	AluSp|SIN	23643	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr1-6816	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr1	68162248	68162917	+	0	NA	intron (N	intron (N	21028	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-7106	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr1	71064751	71078551	+	0	NA	intron (N	L2b|LINE|	-3935	NR_029707	406962		NR_029707	ENSG00000	MIR186	MIRN186|m	microRNA	ncRNA
chr10-609	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr10	60909790	60911548	+	0	NA	intron (N	intron (N	33516	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr11-824	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr11	824618	825089	+	0	NA	exon (NM_	exon (NM_	-3066	NM_001286	283229	Hs.660936	NM_173584	ENSG00000	CRACR2B	EFCAB4A	calcium r	protein-coding
chr11-102	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	16698	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAF	baculovir	protein-coding
chr12-954	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr12	95497989	95500010	+	0	NA	intron (N	AluJr|SIN	24847	NM_001317	10988	Hs.444986	NM_006838	ENSG00000	METAP2	MAP2|MNPE	methionyl	protein-coding
chr12-107	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-24997	NR_120474	1.02E+08	Hs.667028	NR_120474	ENSG00000	LOC101929	-	uncharact	ncRNA
chr18-105	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr18	10538802	10542571	+	0	NA	intron (N	intron (N	14659	NM_003826	8774	Hs.464622	NM_003826	ENSG00000	NAPG	GAMMASNAF	NSF attac	protein-coding
chr21-348	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr21	34867337	34869674	+	0	NA	intron (N	L2b|LINE|	20194	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr22-357	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr22	35745956	35746530	+	0	NA	intron (N	intron (N	28371	NM_030642	80831	Hs.326561	NM_030642	ENSG00000	APOL5	APOL-V|AF	apolipopr	protein-coding
chr3-1423	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MA3|LIN	104971	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr5-1441	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr5	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	7951	NM_001271	81555	Hs.372050	NM_030799	ENSG00000	YIPF5	FinGER5|S	Yip1 doma	protein-coding
chr8-2635	9.623182	-0.17782	0.750551	-0.23692	0.812717	0.981636	chr8	26354634	26356477	+	0	NA	intron (N	intron (N	27398	NR_144550	157489	Hs.586388	NR_144550	ENSG00000	SDAD1P1	-	SDA1 doma	pseudo
chr12-128	9.365642	0.183552	0.774912	0.236868	0.812759	0.981636	chr12	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	15128	NM_145648	121260	Hs.507260	NM_145648	ENSG00000	SLC15A4	FP12591|F	solute ca	protein-coding
chr3-3812	9.365642	0.183552	0.774912	0.236868	0.812759	0.981636	chr3	38128817	38129226	+	0	NA	intron (N	intron (N	8106	NM_001607	30	Hs.643487	NM_001607	ENSG00000	ACAA1	ACAA|PTHI	acetyl-Co	protein-coding
chr19-441	14.89513	0.146112	0.617723	0.236532	0.81302	0.981636	chr19	44166646	44177381	+	0	NA	intron (N	intron (N	6849	NM_001032	7769	Hs.145956	NM_015919	ENSG00000	ZNF226	-	zinc fing	protein-coding
chr7-7588	8.894478	0.190758	0.80683	0.23643	0.813099	0.981636	chr7	75885663	75886069	+	0	NA	intron (N	MSTB|LTR|	6832	NM_001040	57414	Hs.488827	NM_020684	ENSG00000	RHBDD2	NPD007|RF	rhomboid	protein-coding
chr2-2379	9.582042	-0.17995	0.762004	-0.23615	0.813316	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSx|SIN	23258	NM_001278	140739	Hs.471785	NM_080678	ENSG00000	UBE2F	NCE2	ubiquitin	protein-coding
chr1-3984	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr1	39841580	39842285	+	0	NA	intron (N	(AAAC)n|S	41572	NM_017646	54802	Hs.356554	NM_017646	ENSG00000	TRIT1	COXPD35|C	tRNA isop	protein-coding
chr1-6668	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr1	66681668	66685077	+	0	NA	intron (N	intron (N	54932	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr10-275	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr10	27534219	27535437	+	0	NA	intron (N	intron (N	30524	NR_046172	22931	Hs.406799	NM_021252	ENSG00000	RAB18	RAB18LI1|	RAB18, me	protein-coding
chr11-119	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr11	11994555	11998529	+	0	NA	intron (N	intron (N	12097	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr12-105	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	55681	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr13-110	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	L3b|LINE|	31959	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr15-400	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr15	40007482	40009686	+	0	NA	intron (N	intron (N	30597	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr15-725	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr15	72561469	72561877	+	0	NA	intron (N	intron (N	-25544	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr15-903	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr15	90390833	90391683	+	0	NA	intron (N	intron (N	3016	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr17-160	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr17	16023425	16028020	+	0	NA	intron (N	intron (N	25898	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-319	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr17	31975660	31979219	+	0	NA	intron (N	AluSc8|SI	-29944	NM_001321	114659	Hs.514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr17-455	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr17	45537296	45537729	+	0	NA	Intergeni	AluSx1|SI	-16989	NR_002940	55073	Hs.596756	NM_018001		LRRC37A4P	LRRC37|LR	leucine r	pseudo
chr19-171	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr19	17193654	17193981	+	0	NA	intron (N	AluJr|SIN	-21540	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr2-2894	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr2	28943295	28949763	+	0	NA	intron (N	intron (N	18546	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr3-2737	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr3	27378572	27387088	+	0	NA	intron (N	intron (N	-13370	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr4-1866	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	61025	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-8734	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr5	87342206	87344335	+	0	NA	intron (N	L2c|LINE|	-19642	NR_130929	644285	Hs.709256	NR_130929		LOC644285	-	uncharact	ncRNA
chr7-1211	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	152517	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr9-4105	9.161725	-0.18169	0.769659	-0.23607	0.813378	0.981636	chr9	41051727	41052966	+	0	NA	intron (N	L1M2|LINE	22279	NR_002836	595135	Hs.571593	NR_002836	ENSG00000	PGM5P2	-	phosphogl	pseudo
chr16-188	9.877946	0.178253	0.756003	0.235783	0.813601	0.981636	chr16	18878291	18878987	+	0	NA	intron (N	intron (N	47765	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr18-622	9.877946	0.178253	0.756003	0.235783	0.813601	0.981636	chr18	62269542	62269883	+	0	NA	intron (N	Tigger4|D	-55575	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEC	TNF recep	protein-coding
chr14-351	8.172249	-0.19836	0.841272	-0.23578	0.813602	0.981636	chr14	35100934	35101145	+	0	NA	intron (N	AluSc8|SI	19958	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-1586	10.08464	-0.17444	0.739892	-0.23577	0.813612	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	7733	NM_001291	6993	Hs.445999	NM_006519	ENSG00000	DYNLT1	CW-1|TCTE	dynein li	protein-coding
chr17-135	9.120585	-0.1838	0.779894	-0.23568	0.813685	0.981636	chr17	13548620	13549298	+	0	NA	intron (N	LTR12|LTR	-5313	NR_031679	1E+08		NR_031679	ENSG00000	MIR548H3	MIR548H-3	microRNA	ncRNA
chr2-4834	9.120585	-0.1838	0.779894	-0.23568	0.813685	0.981636	chr2	48348661	48349084	+	0	NA	intron (N	L1MEg|LIN	34190	NM_002158	3344	Hs.468478	NM_002158	ENSG00000	FOXN2	HTLF	forkhead	protein-coding
chr2-1349	9.120585	-0.1838	0.779894	-0.23568	0.813685	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSx3|SI	20648	NM_001241	905	Hs.744115	NM_001241	ENSG00000	CCNT2	CYCT2	cyclin T2	protein-coding
chr2-1902	9.120585	-0.1838	0.779894	-0.23568	0.813685	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	32348	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr5-3242	9.120585	-0.1838	0.779894	-0.23568	0.813685	0.981636	chr5	32426555	32427277	+	0	NA	intron (N	AluSz6|SI	17824	NR_144318	51663	Hs.435231	NM_016107	ENSG00000	ZFR	SPG71|ZFR	zinc fing	protein-coding
chr1-1658	13.87838	0.149825	0.636098	0.235537	0.813792	0.981636	chr1	16584112	16588021	+	0	NA	intron (N	AluSx1|SI	27539	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr7-5048	13.87838	0.149825	0.636098	0.235537	0.813792	0.981636	chr7	5048099	5068103	+	0	NA	intron (N	AluJr|SIN	12241	NM_001204	1.01E+08		NM_001204	ENSG00000	RBAK-RBAK	RBAK|RBAK	RBAK-RBAK	protein-coding
chr1-2038	9.054022	-0.19144	0.812904	-0.2355	0.813817	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluSx1|SI	12252	NM_001174	1E+08		NM_001174	ENSG00000	ZBED6	MGR	zinc fing	protein-coding
chr15-706	8.708126	-0.18743	0.796572	-0.23529	0.813982	0.981636	chr15	70668310	70668747	+	0	NA	exon (NM_	exon (NM_	33279	NR_126482	1.05E+08		NR_126482	ENSG00000	SALRNA2	SAL-RNA2|	senescenc	ncRNA
chr1-7574	5.400707	-0.23415	0.997293	-0.23478	0.814378	0.981636	chr1	757478	758146	+	0	NA	Intergeni	L1ME4c|LI	20876	NR_033908	1E+08	Hs.527521	NR_033908		LOC100288	-	uncharact	ncRNA
chr13-727	5.400707	-0.23415	0.997293	-0.23478	0.814378	0.981636	chr13	72714728	72715476	+	0	NA	intron (N	MSTA-int|	12527	NM_001071	440145	Hs.28465	NM_001071	ENSG00000	MZT1	C13orf37|	mitotic s	protein-coding
chr1-5507	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr1	55079615	55081130	+	0	NA	intron (N	intron (N	40150	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr11-438	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr11	43886539	43887028	+	0	NA	intron (N	L1PA13|LI	5952	NM_139178	221120	Hs.720708	NM_139178	ENSG00000	ALKBH3	ABH3|DEPC	alkB homo	protein-coding

chr14-527	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr14	52708978	52710311	+	0	NA	5’ UTR (N	5’ UTR (N	2444	NR_158967	5706	Hs.156171	NM_002806	ENSG00000	PSMC6	SUG2|p42	proteasom	protein-coding
chr7-7763	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr7	77635044	77636611	+	0	NA	exon (NM_	exon (NM_	60438	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr8-1722	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr8	17226954	17235381	+	0	NA	TTS (NM_0	TTS (NM_0	15291	NM_001322	29883	Hs.587465	NM_013354	ENSG00000	CNOT7	CAF-1|CAF	CCR4-NOT	protein-coding
chr8-9370	9.615324	-0.17641	0.752899	-0.23431	0.814743	0.981636	chr8	93708934	93713708	+	0	NA	intron (N	intron (N	10771	NR_156452	137392	Hs.125038	NM_145269	ENSG00000	FAM92A	FAM92A1|F	family wi	protein-coding
chr22-428	8.625847	-0.19182	0.818654	-0.23431	0.814746	0.981636	chr22	42846965	42847448	+	0	NA	intron (N	AluJr|SIN	10067	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr5-4938	17.87882	0.134234	0.573232	0.234171	0.814852	0.981636	chr5	49385351	49385556	+	0	NA	Intergeni	ALR/Alpha	1055835	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-9226	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr1	92267441	92268400	+	0	NA	exon (NM_	exon (NM_	31067	NM_053274	11146	Hs.49105	NM_007070	ENSG00000	GLMN	FAP|FAP48	glomulin,	protein-coding
chr10-908	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr10	90886408	90887232	+	0	NA	intron (N	intron (N	14846	NM_001104	10556	Hs.139120	NM_006413	ENSG00000	RPP30	TSG15	ribonucle	protein-coding
chr13-210	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr13	21040123	21040800	+	0	NA	intron (N	intron (N	21125	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr15-256	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr15	25679853	25680818	+	0	NA	intron (N	intron (N	168490	NR_039865	1.01E+08		NR_039865	ENSG00000	MIR4715	-	microRNA	ncRNA
chr2-6942	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr2	69422764	69423438	+	0	NA	intron (N	AluJb|SIN	14334	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-1311	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSq|SIN	4865	NM_001309	55041	Hs.469944	NM_017958	ENSG00000	PLEKHB2	EVT2	pleckstri	protein-coding
chr20-247	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr20	2476136	2476749	+	0	NA	Intergeni	Intergeni	-5653	NM_198216	6628	Hs.83753	NM_003091	ENSG00000	SNRPB	CCMS|COD|	small nuc	protein-coding
chr20-449	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr20	44945269	44946020	+	0	NA	intron (N	MLT1G|LTR	14082	NR_134986	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr3-2397	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr3	23973944	23976536	+	0	NA	intron (N	AluJo|SIN	29119	NM_001145	9975	Hs.37288	NM_005126	ENSG00000	NR1D2	BD73|EAR-	nuclear r	protein-coding
chr3-1415	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	exon (NM_	exon (NM_	-82030	NR_136190	646730	Hs.570677	NR_136190		LINC02618	-	long inte	ncRNA
chr4-9044	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr4	904450	905411	+	0	NA	intron (N	MER51A|LT	27386	NM_005255	2580	Hs.369607	NM_005255	ENSG00000	GAK	DNAJ26|DN	cyclin G	protein-coding
chr5-1708	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	35242	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr6-3652	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr6	36528812	36529583	+	0	NA	intron (N	L1MC5a|LI	18282	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr6-1162	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-4955	NM_001080	29940	Hs.458358	NM_013352	ENSG00000	DSE	DS-epi1|D	dermatan	protein-coding
chr7-1283	4.923535	-0.24156	1.032974	-0.23384	0.815106	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	18112	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr17-756	9.672179	-0.17721	0.757885	-0.23382	0.815122	0.981636	chr17	7565477	7567279	+	0	NA	intron (N	AluSx1|SI	4386	NR_037926	1.01E+08	Hs.129673	NR_037926		SENP3-EIF	-	SENP3-EIF	ncRNA
chr5-3722	9.672179	-0.17721	0.757885	-0.23382	0.815122	0.981636	chr5	37225177	37225568	+	0	NA	intron (N	AluJb|SIN	-23674	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr1-1461	13.37394	0.151345	0.64752	0.23373	0.815195	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA4|LIN	14258	NM_001302	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr1-2200	9.664321	-0.17578	0.752533	-0.23359	0.815304	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	exon (NM_	exon (NM_	-16415	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUR	glutamyl-	protein-coding
chr14-345	9.664321	-0.17578	0.752533	-0.23359	0.815304	0.981636	chr14	34581434	34586938	+	0	NA	intron (N	intron (N	-27797	NR_004400	26863		NR_004400	ENSG00000	RNVU1-18	RNU1-25|R	RNA, vari	snRNA
chr16-890	9.664321	-0.17578	0.752533	-0.23359	0.815304	0.981636	chr16	8904082	8904840	+	0	NA	exon (NM_	exon (NM_	32178	NM_001286	7874	Hs.386939	NM_003470	ENSG00000	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr12-480	4.462078	-0.25661	1.098717	-0.23355	0.815333	0.981636	chr12	48071710	48072823	+	0	NA	intron (N	Tigger7|D	-32987	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|G	phosphofr	protein-coding
chr7-1012	7.836588	0.201016	0.860817	0.233517	0.81536	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-1846	NM_001185	24146	Hs.38738	NM_014343	ENSG00000	CLDN15	-	claudin 1	protein-coding
chr1-2448	14.34955	0.146341	0.626761	0.233488	0.815382	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	AluSx1|SI	-3076	NR_132782	1.07E+08		NR_132782		SNORA100	-	small nuc	snoRNA
chr3-4871	10.12578	-0.17249	0.739849	-0.23314	0.815649	0.981636	chr3	48714191	48715529	+	0	NA	intron (N	AluYc3|SI	2361	NM_001005	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr7-5602	10.12578	-0.17249	0.739849	-0.23314	0.815649	0.981636	chr7	5602372	5606434	+	0	NA	intron (N	intron (N	11587	NM_003088	6624	Hs.118400	NM_003088	ENSG00000	FSCN1	FAN1|HSN|	fascin ac	protein-coding
chr9-9446	5.392849	-0.23161	0.994247	-0.23295	0.815803	0.981636	chr9	94461242	94462768	+	0	NA	TTS (NM_0	TTS (NM_0	87436	NM_032558	84641	Hs.555996	NM_032558	ENSG00000	MFSD14B	HIATL1	major fac	protein-coding
chr1-1565	9.153867	-0.18016	0.773604	-0.23289	0.815849	0.981636	chr1	15651743	15652211	+	0	NA	intron (N	intron (N	-7736	NM_006511	6248	Hs.239459	NM_006511	ENSG00000	RSC1A1	RS1	regulator	protein-coding
chr1-1590	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSx1|SI	7717	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|F	interfero	protein-coding
chr11-891	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr11	8918049	8922961	+	0	NA	TTS (NR_0	TTS (NR_0	9316	NM_001206	56672	Hs.131180	NM_020642	ENSG00000	AKIP1	BCA3|C11o	A-kinase	protein-coding
chr13-979	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr13	97985428	97989276	+	0	NA	intron (N	Charlie7|	33677	NM_002271	3843	Hs.712598	NM_002271	ENSG00000	IPO5	IMB3|KPNB	importin	protein-coding
chr14-617	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr14	61767256	61770850	+	0	NA	intron (N	intron (N	6633	NM_003082	6617	Hs.179312	NM_003082	ENSG00000	SNAPC1	PTFgamma|	small nuc	protein-coding
chr17-199	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr17	19966713	19969545	+	0	NA	intron (N	AluY|SINE	9699	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr17-305	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr17	30521968	30524278	+	0	NA	3’ UTR (N	3’ UTR (N	45715	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GO	golgi SNA	protein-coding
chr17-356	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr17	35608047	35611574	+	0	NA	intron (N	intron (N	22488	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr18-957	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr18	9579613	9584684	+	0	NA	intron (N	L1M4b|LIN	32411	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr19-227	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr19	2271262	2273491	+	0	NA	intron (N	AluSq4|SI	2890	NM_004152	4946	Hs.446427	NM_004152	ENSG00000	OAZ1	AZ1|AZI|O	ornithine	protein-coding
chr2-6990	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr2	69905625	69906231	+	0	NA	TTS (NM_0	TTS (NM_0	-9113	NM_001202	4084	Hs.468908	NM_002357	ENSG00000	MXD1	BHLHC58|M	MAX dimer	protein-coding
chr3-4359	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr3	43595380	43598537	+	0	NA	intron (N	L1PA5|LIN	24968	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr3-1249	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	59297	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr4-3950	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr4	39502933	39513929	+	0	NA	intron (N	AluJr|SIN	19008	NM_003359	7358	Hs.572518	NM_003359	ENSG00000	UGDH	GDH|UDP-G	UDP-gluco	protein-coding
chr4-5700	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr4	57009423	57013543	+	0	NA	intron (N	AluSx|SIN	32587	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr4-8006	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr4	80066687	80069261	+	0	NA	intron (N	L1PA10|LI	5255	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr5-3479	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr5	34793499	34806528	+	0	NA	intron (N	intron (N	-39151	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr7-2620	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr7	26206531	26213098	+	0	NA	intron (N	intron (N	8069	NM_016587	11335	Hs.381189	NM_007276	ENSG00000	CBX3	HECH|HP1-	chromobox	protein-coding
chr7-7520	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr7	75200334	75215300	+	0	NA	intron (N	AluY|SINE	-29370	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr9-1278	9.656463	-0.17437	0.749796	-0.23256	0.816103	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	3673	NM_001287	30815	Hs.109672	NM_013443	ENSG00000	ST6GALNAC	SIAT7-F|S	ST6 N-ace	protein-coding
chr1-3332	10.11792	-0.17109	0.736063	-0.23244	0.816199	0.981636	chr1	33322752	33335326	+	0	NA	exon (NM_	exon (NM_	3453	NR_037400	1.01E+08		NR_037400	ENSG00000	MIR3605	mir-3605	microRNA	ncRNA
chr4-1187	10.11792	-0.17109	0.736063	-0.23244	0.816199	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	40453	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr6-3745	8.700268	-0.18578	0.799374	-0.23241	0.816218	0.981636	chr6	37451183	37451671	+	0	NA	intron (N	intron (N	18206	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr7-8399	9.21858	-0.18235	0.785564	-0.23212	0.816444	0.981636	chr7	83994507	83995044	+	0	NA	intron (N	L1PA2|LIN	200014	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr1-2692	9.574184	-0.17855	0.769785	-0.23195	0.816577	0.981636	chr1	26928474	26929040	+	0	NA	intron (N	L1MB3|LIN	7014	NM_006600	10726	Hs.263812	NM_006600	ENSG00000	NUDC	HNUDC|MNU	nuclear d	protein-coding
chr8-1448	13.8451	0.14768	0.636728	0.231936	0.816588	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	12640	NM_001349	7553	Hs.493218	NM_003416	ENSG00000	ZNF7	HF.16|KOX	zinc fing	protein-coding
chr10-689	4.964674	-0.23751	1.025774	-0.23154	0.816894	0.981636	chr10	68931532	68933489	+	0	NA	intron (N	AluSz|SIN	-23660	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDB	DExD-box	protein-coding
chr4-1682	4.964674	-0.23751	1.025774	-0.23154	0.816894	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	34097	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr5-6911	4.964674	-0.23751	1.025774	-0.23154	0.816894	0.981636	chr5	69110208	69111197	+	0	NA	intron (N	intron (N	16688	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr1-1597	10.11006	-0.16972	0.734677	-0.23101	0.817305	0.981636	chr1	15971941	15973023	+	0	NA	intron (N	MamRep137	3650	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-6635	10.11006	-0.16972	0.734677	-0.23101	0.817305	0.981636	chr1	66355463	66356924	+	0	NA	intron (N	intron (N	1658	NM_001297	5142	Hs.198072	NM_002600	ENSG00000	PDE4B	DPDE4|PDE	phosphodi	protein-coding
chr15-989	10.11006	-0.16972	0.734677	-0.23101	0.817305	0.981636	chr15	98915963	98920004	+	0	NA	intron (N	L1MB4|LIN	87673	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-245	10.11006	-0.16972	0.734677	-0.23101	0.817305	0.981636	chr16	24568200	24573000	+	0	NA	intron (N	intron (N	31013	NM_032626	5930	Hs.188553	NM_006910	ENSG00000	RBBP6	MY038|P2P	RB bindin	protein-coding
chr9-5720	10.11006	-0.16972	0.734677	-0.23101	0.817305	0.981636	chr9	5720902	5724263	+	0	NA	intron (N	L1PA5|LIN	93463	NM_001206	57589	Hs.211520	NM_020829	ENSG00000	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr14-519	9.607466	-0.17499	0.757868	-0.2309	0.817393	0.981636	chr14	51991304	51993356	+	0	NA	intron (N	intron (N	2784	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr3-1720	9.607466	-0.17499	0.757868	-0.2309	0.817393	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSp|SIN	10686	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr5-1425	9.607466	-0.17499	0.757868	-0.2309	0.817393	0.981636	chr5	14254403	14257104	+	0	NA	intron (N	Tigger4b|	112411	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr19-575	8.254528	-0.19328	0.837535	-0.23078	0.817488	0.981636	chr19	57509292	57509854	+	0	NA	intron (N	intron (N	9635	NR_130705	374928	Hs.579576	NM_198542	ENSG00000	ZNF773	ZNF419B	zinc fing	protein-coding
chr1-2857	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr1	28577644	28581163	+	0	NA	promoter-	promoter-	490	NR_002987	677838	Hs.632377	NR_002987	ENSG00000	SNORA61	ACA61	small nuc	snoRNA
chr1-1095	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-12092	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr10-315	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr10	31502519	31508474	+	0	NA	intron (N	L1MA4A|LI	-105741	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr11-364	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr11	36495635	36498435	+	0	NA	intron (N	intron (N	13237	NM_145803	7189	Hs.444172	NM_004620	ENSG00000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr12-510	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr12	51055645	51058996	+	0	NA	intron (N	AluJo|SIN	8993	NR_045020	25875	Hs.655272	NM_015416	ENSG00000	LETMD1	111001901	LETM1 dom	protein-coding
chr13-113	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	18388	NM_001008	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr14-345	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr14	34562114	34571712	+	0	NA	intron (N	intron (N	-10524	NR_004400	26863		NR_004400	ENSG00000	RNVU1-18	RNU1-25|R	RNA, vari	snRNA
chr15-430	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr15	43080586	43081736	+	0	NA	intron (N	AluSp|SIN	24877	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-620	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr15	62004933	62008494	+	0	NA	intron (N	L1PA4|LIN	53734	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr19-138	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr19	13805099	13805351	+	0	NA	intron (N	intron (N	9782	NM_023072	65249	Hs.466015	NM_023072	ENSG00000	ZSWIM4	-	zinc fing	protein-coding
chr19-477	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr19	47729963	47737037	+	0	NA	intron (N	AluY|SINE	-12046	NM_015710	29997	Hs.421907	NM_015710	ENSG00000	NOP53	GLTSCR2|P	NOP53 rib	protein-coding
chr2-1119	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr2	11190986	11192508	+	0	NA	intron (N	MER6B|DNA	36280	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|P	solute ca	protein-coding
chr2-7395	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr2	73958556	73959997	+	0	NA	TTS (NM_0	TTS (NM_0	22163	NR_104029	1.01E+08	Hs.600674	NR_104029	ENSG00000	DGUOK-AS1	-	DGUOK ant	ncRNA
chr2-1974	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	18143	NM_001005	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MD	splicing	protein-coding
chr2-2381	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	L1MC5a|LI	21270	NM_001291	151176	Hs.24951	NM_152521	ENSG00000	ERFE	C1QTNF15|	erythrofe	protein-coding
chr3-1203	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-9224	NR_029584	406975		NR_029584	ENSG00000	MIR198	MIRN198|m	microRNA	ncRNA
chr3-1236	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-30475	NM_053032	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-1866	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	82975	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-1507	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4051	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr6-1008	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24809	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr6-1093	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	5887	NM_001346	8763	Hs.520313	NM_006016	ENSG00000	CD164	DFNA66|MC	CD164 mol	protein-coding
chr7-1000	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr7	1E+08	1E+08	+	0	NA	TTS (NR_0	TTS (NR_0	623	NR_029498	407014		NR_029498	ENSG00000	MIR25	MIRN25|hs	microRNA	ncRNA
chr7-1396	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSq|SIN	104769	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr8-8354	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr8	8354463	8369604	+	0	NA	intron (N	HERVI-int	24211	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr8-1168	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	AluJr|SIN	-18740	NR_033886	644660	Hs.706174	NR_033886	ENSG00000	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr9-2721	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr9	27212335	27214353	+	0	NA	intron (N	intron (N	69449	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-1105	9.648605	-0.17296	0.7496	-0.23074	0.817518	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJo|SIN	70204	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr9-6690	13.85296	0.146602	0.636959	0.230159	0.817968	0.981636	chr9	66908247	66909927	+	0	NA	intron (N	MER2|DNA|	5726	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr16-139	5.384991	-0.22919	0.997252	-0.22982	0.818229	0.981636	chr16	13922559	13923247	+	0	NA	intron (N	intron (N	2746	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr12-293	10.39811	0.171801	0.750179	0.229013	0.818859	0.981636	chr12	2937745	2938448	+	0	NA	intron (N	intron (N	-21301	NM_003213	7004	Hs.94865	NM_003213	ENSG00000	TEAD4	EFTR-2|RT	TEA domai	protein-coding
chr1-2087	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr1	20874129	20875120	+	0	NA	intron (N	L1ME3A|LI	-87936	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-9097	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr1	90978233	90979341	+	0	NA	intron (N	intron (N	42721	NM_016620	84146	Hs.173001	NM_016620	ENSG00000	ZNF644	BM-005|MY	zinc fing	protein-coding
chr10-168	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr10	16811148	16811710	+	0	NA	intron (N	MIR|SINE|	5995	NM_012425	6251	Hs.524161	NM_012425	ENSG00000	RSU1	RSP-1	Ras suppr	protein-coding
chr11-508	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr11	508431	509291	+	0	NA	Intergeni	AluSq|SIN	-1619	NM_203388	6050	Hs.530687	NM_002939	ENSG00000	RNH1	RAI|RNH	ribonucle	protein-coding
chr11-674	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr11	67490138	67490717	+	0	NA	TTS (NR_1	TTS (NR_1	182	NR_106810	1.02E+08		NR_106810	ENSG00000	MIR6752	hsa-mir-6	microRNA	ncRNA
chr15-422	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr15	42277838	42278671	+	0	NA	intron (N	intron (N	4086	NM_198141	2595	Hs.730806	NM_198141	ENSG00000	GANC	-	glucosida	protein-coding
chr17-679	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr17	67937850	67938336	+	0	NA	intron (N	AluSx|SIN	55513	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr17-774	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr17	77415140	77418249	+	0	NA	intron (N	intron (N	11617	NM_001293	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr6-1368	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSz6|SI	7308	NM_000288	5191	Hs.280932	NM_000288	ENSG00000	PEX7	PBD9B|PTS	peroxisom	protein-coding
chr7-9961	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr7	99618865	99619627	+	0	NA	intron (N	intron (N	2300	NM_001350	221785	Hs.446297	NM_145115	ENSG00000	ZSCAN25	ZNF498	zinc fing	protein-coding
chr8-1406	4.956816	-0.23486	1.025799	-0.22896	0.818903	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	38699	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr1-2217	10.1022	-0.16837	0.735658	-0.22887	0.818967	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	25527	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding
chr13-467	10.1022	-0.16837	0.735658	-0.22887	0.818967	0.981636	chr13	46789837	46790762	+	0	NA	intron (N	HAL1|LINE	6862	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr3-1497	10.1022	-0.16837	0.735658	-0.22887	0.818967	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	non-codin	non-codin	11045	NM_016094	51122	Hs.432729	NM_016094	ENSG00000	COMMD2	HSPC042	COMM doma	protein-coding
chr5-1156	10.1022	-0.16837	0.735658	-0.22887	0.818967	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	6830	NM_181836	51014	Hs.642817	NM_181836	ENSG00000	TMED7	CGI-109|p	transmemb	protein-coding
chr5-1385	10.1022	-0.16837	0.735658	-0.22887	0.818967	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	33118	NM_001291	2107	Hs.483494	NM_004730	ENSG00000	ETF1	D5S1995|E	eukaryoti	protein-coding
chr16-188	9.146009	-0.17857	0.780458	-0.22881	0.81902	0.981636	chr16	18859964	18860573	+	0	NA	intron (N	intron (N	-58719	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr19-373	5.426131	-0.22533	0.98526	-0.2287	0.819099	0.981636	chr19	37351428	37351838	+	0	NA	intron (N	L1ME3D|LI	16984	NM_001329	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr9-8630	7.844446	0.198738	0.869766	0.228496	0.819261	0.981636	chr9	86308170	86308478	+	0	NA	intron (N	intron (N	-25786	NM_030940	81689	Hs.449291	NM_030940	ENSG00000	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr5-7386	8.35675	0.191746	0.840206	0.228213	0.819481	0.981636	chr5	73868338	73868814	+	0	NA	intron (N	intron (N	55030	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr11-108	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJr|SIN	47153	NM_003478	8065	Hs.440320	NM_003478	ENSG00000	CUL5	CUL-5|VAC	cullin 5	protein-coding
chr13-771	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr13	77170883	77171082	+	0	NA	intron (N	intron (N	95468	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA

chr14-451	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr14	45107461	45108128	+	0	NA	intron (N	AluSx|SIN	-3081	NR_003691	1E+08	Hs.712501	NR_003691	ENSG0000C	SNORD127	-	small nuc	snoRNA
chr2-2017	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	exon (NM_	exon (NM_	19786	NM_020919	57679	Hs.471096	NM_020919	ENSG0000C	ALS2	ALS2CR6|A	alsin Rhc	protein-coding
chr4-7594	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr4	75946603	75948075	+	0	NA	Intergeni	Kangalb|D	-6326	NM_001042	27163	Hs.437365	NM_014435	ENSG0000C	NAAA	ASAHL|PLT	N-acyleth	protein-coding
chr8-1066	9.187149	-0.17649	0.773608	-0.22813	0.819542	0.981636	chr8	1.07E+08	1.07E+08	+	0	NA	intron (N	L1PB1|LIN	28050	NM_181354	55074	Hs.127286	NM_018002	ENSG0000C	OXR1	Nbla00307	oxidatior	protein-coding
chr1-2255	9.640747	-0.17153	0.751945	-0.22812	0.819552	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	L1ME3A|LI	96261	NM_001008	55740	Hs.497893	NM_018212	ENSG0000C	ENAH	ENA|MENA|	ENAH acti	protein-coding
chr12-953	9.640747	-0.17153	0.751945	-0.22812	0.819552	0.981636	chr12	95308224	95308690	+	0	NA	promoter-	promoter-	37	NR_029895	442903		NR_029895	ENSG0000C	MIR331	MIRN331|h	microRNA	ncRNA
chr2-1894	9.640747	-0.17153	0.751945	-0.22812	0.819552	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	27777	NM_032168	84128	Hs.399984	NM_032168	ENSG0000C	WDR75	NET16|UTF	WD repeat	protein-coding
chr3-1899	9.640747	-0.17153	0.751945	-0.22812	0.819552	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	exon (NM_	exon (NM_	143060	NR_030642	1E+08		NR_030642	ENSG0000C	MIR944	MIRN944|h	microRNA	ncRNA
chr17-766	4.915677	-0.23882	1.047828	-0.22792	0.819706	0.981636	chr17	7665672	7666598	+	0	NA	Intergeni	AluSx|SIN	9109	NM_001276	7157	Hs.437460	NM_000546	ENSG0000C	TP53	BCC7|BMFS	tumor prc	protein-coding
chr18-209	4.915677	-0.23882	1.047828	-0.22792	0.819706	0.981636	chr18	20974817	20975383	+	0	NA	intron (N	L2a|LINE|	136713	NM_005406	6093	Hs.306307	NM_005406	ENSG0000C	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr1-2085	10.1512	-0.1678	0.737591	-0.2275	0.820036	0.981636	chr1	20857597	20859132	+	0	NA	intron (N	L2a|LINE|	-71676	NM_016287	50809	Hs.142442	NM_016287	ENSG0000C	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr11-301	10.1512	-0.1678	0.737591	-0.2275	0.820036	0.981636	chr11	3014097	3018928	+	0	NA	intron (N	AluY|SINE	-12882	NR_046580	1.01E+08	Hs.274873	NR_046580	ENSG0000C	CARS-AS1	-	CARS anti	ncRNA
chr4-2662	10.1512	-0.1678	0.737591	-0.2275	0.820036	0.981636	chr4	26627280	26628797	+	0	NA	intron (N	L1PA3|LIN	43954	NM_018317	55296	Hs.479403	NM_018317	ENSG0000C	TBC1D19	-	TBC1 doma	protein-coding
chr3-7292	8.869054	0.185458	0.815846	0.22732	0.820175	0.981636	chr3	72928856	72929379	+	0	NA	intron (N	CpG	41071	NM_001080	727936	Hs.710275	NM_001080	ENSG0000C	GXYLT2	GLT8D4	glucoside	protein-coding
chr1-3846	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr1	3846873	3847347	+	0	NA	intron (N	MER33|DNA	10101	NM_014704	9731	Hs.133089	NM_014704	ENSG0000C	CEP104	CFAP256|C	centrosom	protein-coding
chr13-452	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr13	45285297	45287536	+	0	NA	Intergeni	AluSx1|SI	50031	NR_145985	1.1E+08		NR_145726	ENSG0000C	SNORA31B	-	small nuc	snoRNA
chr16-366	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr16	3660787	3661461	+	0	NA	intron (N	L1ME3B|LI	6420	NM_001351	1773	Hs.629638	NM_005223	ENSG0000C	DNASE1	DNL1|DRN1	deoxyribc	protein-coding
chr17-752	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr17	75223023	75224126	+	0	NA	intron (N	AluSx|SIN	17895	NM_024844	79902	Hs.362817	NM_024844	ENSG0000C	NUP85	FROUNT|NF	nucleopor	protein-coding
chr19-108	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr19	10830202	10830917	+	0	NA	intron (N	MIRb|SINE	1586	NR_106851	1.02E+08		NR_106851	ENSG0000C	MIR6793	hsa-mir-6	microRNA	ncRNA
chr5-9550	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr5	95507844	95508520	+	0	NA	intron (N	intron (N	46823	NM_014639	9652	Hs.482868	NM_014639	ENSG0000C	TTC37	KIAA0372|	tetratric	protein-coding
chr6-1703	5.418273	-0.22286	0.982254	-0.22689	0.820509	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	L1PA8|LIN	9987	NR_039787	1.01E+08		NR_039787	ENSG0000C	MIR4644	-	microRNA	ncRNA
chr11-112	10.14334	-0.16643	0.733815	-0.2268	0.820576	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	21216	NM_001931	1737	Hs.335551	NM_001931	ENSG0000C	DLAT	DLTA|E2|F	dihydroli	protein-coding
chr15-491	10.14334	-0.16643	0.733815	-0.2268	0.820576	0.981636	chr15	49126454	49130300	+	0	NA	intron (N	intron (N	27222	NM_001143	9318	Hs.369614	NM_004236	ENSG0000C	COPS2	ALIEN|CSN	COP9 sigr	protein-coding
chr17-384	10.14334	-0.16643	0.733815	-0.2268	0.820576	0.981636	chr17	38487958	38494662	+	0	NA	intron (N	intron (N	62846	NM_001199	57636	Hs.374446	NM_020876	ENSG0000C	ARHGAP23	-	Rho GTPas	protein-coding
chr2-6510	10.14334	-0.16643	0.733815	-0.2268	0.820576	0.981636	chr2	65103091	65104746	+	0	NA	intron (N	AluSc8|SI	26188	NM_004161	5861	Hs.310645	NM_004161	ENSG0000C	RAB1A	RAB1|YPT1	RAB1A, me	protein-coding
chr3-1237	10.14334	-0.16643	0.733815	-0.2268	0.820576	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	48141	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG0000C	MYLK-AS2	-	MYLK anti	ncRNA
chr5-4191	10.36483	0.169026	0.745452	0.226743	0.820623	0.981636	chr5	41917084	41917435	+	0	NA	exon (NM_	exon (NM_	-7993	NM_001297	26272	Hs.165575	NM_012176	ENSG0000C	FBXO4	FBX4	F-box prc	protein-coding
chr10-109	10.6048	-0.16375	0.723494	-0.22633	0.820948	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	3' UTR (N	3' UTR (N	58251	NM_001324	7511	Hs.390623	NM_020383	ENSG0000C	XPNPEP1	APP1|SAMF	X-prolyl	protein-coding
chr17-644	14.82912	-0.14097	0.62299	-0.22628	0.820987	0.981636	chr17	64498485	64505373	+	0	NA	promoter-	promoter-	-616	NR_039969	1.01E+08		NR_039969	ENSG0000C	MIR5047	-	microRNA	ncRNA
chr16-581	10.09435	-0.16703	0.739039	-0.22601	0.821192	0.981636	chr16	58113588	58114951	+	0	NA	intron (N	AluSx1|SI	15112	NM_013242	29105	Hs.532755	NM_013242	ENSG0000C	CFAP20	BUG22|C16	cilia anc	protein-coding
chr1-8448	10.62837	-0.16809	0.744976	-0.22563	0.821486	0.981636	chr1	84483402	84483604	+	0	NA	intron (N	AluSx1|SI	4237	NM_025065	80135	Hs.481202	NM_025065	ENSG0000C	RPF1	BXDC5	ribosome	protein-coding
chr20-138	4.49536	-0.24876	1.102706	-0.22559	0.821519	0.981636	chr20	13816432	13816980	+	0	NA	intron (N	intron (N	31678	NR_147982	79133	Hs.472165	NM_024120	ENSG0000C	NDUFAF5	C20orf7|N	NADH:ubic	protein-coding
chr1-1657	15.82775	0.13529	0.600147	0.225428	0.821646	0.981636	chr1	16578067	16579272	+	0	NA	intron (N	intron (N	29755	NR_037446	1.01E+08		NR_037446	ENSG0000C	MIR3675	-	microRNA	ncRNA
chr17-294	9.681887	-0.16949	0.751936	-0.2254	0.821664	0.981636	chr17	29498457	29500637	+	0	NA	intron (N	intron (N	67490	NM_198147	116236	Hs.106510	NM_198147	ENSG0000C	ABHD15	-	abhydrola	protein-coding
chr22-378	9.681887	-0.16949	0.751936	-0.2254	0.821664	0.981636	chr22	37886883	37887208	+	0	NA	intron (N	AluSz|SIN	-19252	NM_033386	85377	Hs.517610	NM_033386	ENSG0000C	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr11-367	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr11	3675032	3676934	+	0	NA	non-codir	non-codir	-4599	NM_001303	57053	Hs.732806	NM_020402	ENSG0000C	CHRNA10	-	cholinerg	protein-coding
chr11-340	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr11	34076252	34101444	+	0	NA	intron (N	intron (N	-16781	NM_024662	55226	Hs.577281	NM_024662	ENSG0000C	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr12-501	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr12	50176260	50182010	+	0	NA	intron (N	AluSz6|SI	-11602	NM_001281	91012	Hs.270525	NM_147190	ENSG0000C	CERS5	LASS5|Trh	ceramide	protein-coding
chr12-644	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr12	64409983	64437191	+	0	NA	intron (N	AluSz6|SI	19195	NM_007235	11260	Hs.85951	NM_007235	ENSG0000C	XPOT	XPO3	exportin	protein-coding
chr12-120	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	21333	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG0000C	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr16-705	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr16	70554222	70573053	+	0	NA	intron (N	intron (N	-16258	NM_152456	146433	Hs.461214	NM_152456	ENSG0000C	IL34	C16orf77|	interleuk	protein-coding
chr17-419	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr17	41908089	41910162	+	0	NA	intron (N	intron (N	9826	NM_001096	47	Hs.387567	NM_001096	ENSG0000C	ACLY	ACL|ATPCL	ATP citra	protein-coding
chr17-816	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr17	81604128	81607247	+	0	NA	intron (N	intron (N	-28254	NR_130139	55666	Hs.464333	NM_017921	ENSG0000C	NPLOC4	NPL4	NPL4 homc	protein-coding
chr19-412	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr19	41230975	41262043	+	0	NA	intron (N	AluSz6|SI	-16048	NM_144732	11100	Hs.155218	NM_007040	ENSG0000C	HNRNPUL1	E1B-AP5|E	heteroger	protein-coding
chr2-5498	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr2	54980643	54982711	+	0	NA	intron (N	intron (N	28595	NM_007008	57142	Hs.637850	NM_007008	ENSG0000C	RTN4	ASY|NI220	reticulor	protein-coding
chr21-461	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr21	46110884	46132336	+	0	NA	exon (NM_	exon (NM_	23491	NM_058175	1292	Hs.420269	NM_001849	ENSG0000C	COL6A2	BTHLM1|PF	collagen	protein-coding
chr3-5226	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr3	52265741	52270119	+	0	NA	TTS (NR_C	TTS (NR_C	431	NR_029660	406890		NR_029660	ENSG0000C	MIRLET7G	LET7G|MIF	microRNA	ncRNA
chr3-1423	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1PA16|LI	92889	NM_001282	54464	Hs.435103	NM_019001	ENSG0000C	XRN1	1-Sep	5'-3' exc	protein-coding
chr4-7082	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr4	70821110	70828133	+	0	NA	intron (N	AluSx1|SI	14882	NM_001098	2926	Hs.309763	NM_002092	ENSG0000C	GRSF1	-	G-rich RN	protein-coding
chr4-1188	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	MLT1I|LTR	21737	NM_014822	9871	Hs.189641	NM_014822	ENSG0000C	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1448	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr5	14487763	14505876	+	0	NA	intron (N	intron (N	32836	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1667	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr5	16670829	16691099	+	0	NA	intron (N	AluJr|SIN	-63906	NM_001034	54463	Hs.481704	NM_019000	ENSG0000C	RETREG1	FAM134B|J	reticulor	protein-coding
chr5-1339	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSz|SIN	6803	NR_134247	1.05E+08	Hs.543907	NR_134247		LOC105379	-	uncharact	ncRNA
chr7-1222	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr7	12224752	12225586	+	0	NA	intron (N	L1PA6|LIN	13875	NM_018374	54664	Hs.396358	NM_018374	ENSG0000C	TMEM106B	HLD16	transmemb	protein-coding
chr8-1728	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr8	17285568	17291082	+	0	NA	intron (N	L1PA7|LIN	41367	NM_001363	137492	Hs.343873	NM_152415	ENSG0000C	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr9-1322	10.13549	-0.16508	0.732431	-0.22539	0.821678	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	84634	NM_001351	23064	Hs.460317	NM_015046	ENSG0000C	SETX	ALS4|AOA2	senataxir	protein-coding
chr12-118	5.377133	-0.22685	1.006584	-0.22537	0.821695	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-53869	NM_001346	51347	Hs.644420	NM_016281	ENSG0000C	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr17-395	10.59694	-0.16241	0.72106	-0.22524	0.821795	0.981636	chr17	39502238	39503557	+	0	NA	intron (N	L2c|LINE|	41411	NM_015083	51755	Hs.345028	NM_015083	ENSG0000C	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr12-103	9.179291	-0.17491	0.777568	-0.22495	0.822019	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	3' UTR (N	3' UTR (N	21985	NM_003211	6996	Hs.584809	NM_003211	ENSG0000C	TDG	hTDG	thymine D	protein-coding
chr3-5226	9.179291	-0.17491	0.777568	-0.22495	0.822019	0.981636	chr3	52263946	52264341	+	0	NA	intron (N	AluSx|SIN	4218	NR_029660	406890		NR_029660	ENSG0000C	MIRLET7G	LET7G|MIF	microRNA	ncRNA
chr1-4670	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr1	46701546	46702973	+	0	NA	intron (N	intron (N	16855	NM_014774	9813	Hs.707688	NM_014774	ENSG0000C	EFCAB14	KIAA0494	EF-hand c	protein-coding
chr1-2415	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	exon (NM_	exon (NM_	13691	NM_000143	2271	Hs.592490	NM_000143	ENSG0000C	FH	FMRD|HLRC	fumarate	protein-coding
chr11-947	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr11	947695	950696	+	0	NA	intron (N	AluSz|SIN	23325	NM_012305	161	Hs.19121	NM_012305	ENSG0000C	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr20-373	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr20	37350791	37351553	+	0	NA	intron (N	MIR3|SINE	5044	NM_198291	6714	Hs.195659	NM_005417	ENSG0000C	SRC	ASV|SRC1|	SRC protc	protein-coding
chr21-327	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr21	32766655	32767405	+	0	NA	intron (N	intron (N	4725	NM_013329	94104	Hs.644004	NM_013329	ENSG0000C	PAXBP1	BM020|C21	PAX3 and	protein-coding
chr3-5789	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr3	57897387	57898737	+	0	NA	intron (N	intron (N	8060	NM_001304	7871	Hs.476432	NM_007159	ENSG0000C	SLMAP	SLAP	sarcolemm	protein-coding
chr3-1002	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	L1MB7|LIN	24114	NM_001199	55773	Hs.477003	NM_018309	ENSG0000C	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr6-1813	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr6	18138490	18139162	+	0	NA	intron (N	intron (N	-16149	NM_198586	378884	Hs.348351	NM_198586	ENSG0000C	NHLRC1	EPM2A|EPM	NHL repea	protein-coding
chr9-1376	4.948958	-0.23212	1.032736	-0.22476	0.822163	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSz|SIN	5537	NM_001354	79813	Hs.495511	NM_024757	ENSG0000C	EHMT1	EHMT1-IT1	euchromat	protein-coding
chr7-1212	8.238812	-0.18964	0.843945	-0.22471	0.822207	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	3' UTR (N	3' UTR (N	-29506	NM_016087	51384	Hs.272375	NM_016087	ENSG0000C	WNT16	-	Wnt famil	protein-coding
chr15-904	9.632889	-0.17007	0.756907	-0.2247	0.822215	0.981636	chr15	90458707	90459111	+	0	NA	intron (N	intron (N	70667	NM_003870	8826	Hs.430551	NM_003870	ENSG0000C	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr6-1473	9.632889	-0.17007	0.756907	-0.2247	0.822215	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	3' UTR (N	3' UTR (N	-123599	NM_001030	389432	Hs.567973	NM_001030	ENSG0000C	SAMD5	dJ875H10.	sterile a	protein-coding
chr11-703	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr11	70357683	70358580	+	0	NA	intron (N	intron (N	-40375	NM_138565	2017	Hs.596164	NM_005231	ENSG0000C	CTTN	EMS1	cortactir	protein-coding
chr12-558	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr12	55812656	55813163	+	0	NA	intron (N	L2c|LINE|	4815	NM_033082	84324	Hs.505676	NM_033082	ENSG0000C	SARNP	CIP29|HCC	SAP domai	protein-coding
chr17-394	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr17	39498660	39499853	+	0	NA	intron (N	AluSq|SIN	37770	NM_015083	51755	Hs.345028	NM_015083	ENSG0000C	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-456	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr19	45614861	45615833	+	0	NA	intron (N	AluSq2|SI	-13135	NM_005282	2828	Hs.17170	NM_005282	ENSG0000C	GPR4	-	G proteir	protein-coding
chr2-1052	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	33114	NM_007227	11250	Hs.590903	NM_007227	ENSG0000C	GPR45	PSP24|PSF	G proteir	protein-coding
chr2-1118	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	34377	NM_022662	64682	Hs.436527	NM_022662	ENSG0000C	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr20-349	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr20	34920913	34921599	+	0	NA	intron (N	intron (N	34379	NM_001322	2937	Hs.82327	NM_000178	ENSG0000C	GSS	GSHS|HEL-	glutathic	protein-coding
chr3-1137	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	10254	NM_001690	523	Hs.477155	NM_001690	ENSG0000C	ATP6V1A	ARCL2D|AT	ATPase H+	protein-coding
chr4-8664	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr4	86648993	86649556	+	0	NA	intron (N	L1MA4|LIN	54959	NM_006264	5783	Hs.436142	NM_006264	ENSG0000C	PTPN13	FAP-1|PNF	protein t	protein-coding
chr5-1389	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSc8|SI	39575	NM_001323	1495	Hs.445981	NM_001903	ENSG0000C	CTNNA1	CAP102|MD	catenin a	protein-coding
chr6-7247	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr6	7247149	7247348	+	0	NA	intron (N	CpG	65951	NM_001292	6745	Hs.114033	NM_003144	ENSG0000C	SSR1	TRAPA	signal se	protein-coding
chr8-9472	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr8	94727325	94729038	+	0	NA	intron (N	AluSx|SIN	8281	NM_181787	286148	Hs.567828	NM_181787	ENSG0000C	DPY19L4	-	dpy-19 li	protein-coding
chr8-1250	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L1ME4c|LI	31082	NM_014846	9897	Hs.270043	NM_014846	ENSG0000C	WASHC5	KIAA0196|	WASH comp	protein-coding
chr8-1335	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	70682	NM_003033	6482	Hs.374257	NM_003033	ENSG0000C	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-8602	5.410415	-0.22045	0.985212	-0.22376	0.822945	0.981636	chr9	86027477	86028606	+	0	NA	intron (N	intron (N	71517	NM_016548	51280	Hs.494337	NM_016548	ENSG0000C	GOLM1	C9orf155|	golgi mem	protein-coding
chr12-962	9.674029	-0.16808	0.75174	-0.22358	0.823082	0.981636	chr12	96279494	96280711	+	0	NA	3' UTR (N	3' UTR (N	24604	NM_001303	2004	Hs.46523	NM_005230	ENSG0000C	ELK3	ERP|NET|S	ETS trans	protein-coding
chr22-205	10.58908	-0.16111	0.720851	-0.22349	0.823151	0.981636	chr22	20558131	20560385	+	0	NA	intron (N	L1MEd|LIN	51211	NM_001293	51586	Hs.517421	NM_015889	ENSG0000C	MED15	ARC105|CA	mediator	protein-coding
chr1-2332	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr1	23326559	23338233	+	0	NA	intron (N	intron (N	11888	NM_001102	10236	Hs.373763	NM_005826	ENSG0000C	HNRNPR	HNRPR|hnR	heteroger	protein-coding
chr12-557	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr12	55792513	55796273	+	0	NA	intron (N	intron (N	23331	NM_033082	84324	Hs.505676	NM_033082	ENSG0000C	SARNP	CIP29|HCC	SAP domai	protein-coding
chr13-111	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	HSMAR1|DN	3613	NM_001354	8874	Hs.508738	NM_003899	ENSG0000C	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr14-545	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr14	54515263	54515898	+	0	NA	intron (N	L1MEc|LIN	5674	NM_006568	10668	Hs.59106	NM_006568	ENSG0000C	CGRRF1	CGR19|RNF	cell grow	protein-coding
chr15-904	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr15	90452586	90457509	+	0	NA	intron (N	MER21C|LT	66805	NM_003870	8826	Hs.430551	NM_003870	ENSG0000C	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr17-822	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr17	82270119	82272341	+	0	NA	intron (N	AluSz6|SI	2470	NM_139062	1453	Hs.631725	NM_001893	ENSG0000C	CSNK1D	ASPS|CKI-	casein ki	protein-coding
chr2-1913	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	85687	NM_001161	4430	Hs.439620	NM_012223	ENSG0000C	MYO1B	MMI-alpha	myosin IE	protein-coding
chr21-348	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr21	34876208	34880653	+	0	NA	intron (N	intron (N	10269	NM_001001	861	Hs.149261	NM_001754	ENSG0000C	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr3-1700	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	3' UTR (N	3' UTR (N	58524	NM_014373	26996	Hs.231320	NM_014373	ENSG0000C	GPR160	GPCR1|GPC	G proteir	protein-coding
chr4-3889	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr4	38891101	38893401	+	0	NA	intron (N	intron (N	24219	NR_030300	693159		NR_030300	ENSG0000C	MIR574	MIR574-3p	microRNA	ncRNA
chr5-1430	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr5	14308699	14314160	+	0	NA	intron (N	intron (N	-152554	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1771	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	FLAM_A|SI	2704	NM_001365	64324	Hs.106861	NM_022455	ENSG0000C	NSD1	ARA267|KM	nuclear r	protein-coding
chr6-7565	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr6	75659481	75662367	+	0	NA	intron (N	AluSx1|SI	59044	NM_015571	26054	Hs.485784	NM_015571	ENSG0000C	SENP6	SSP1|SUSF	SUMO spec	protein-coding
chr7-1308	10.12763	-0.16373	0.73341	-0.22325	0.823344	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	L1MA4|LIN	19532	NR_029503	407021		NR_029503	ENSG0000C	MIR29A	MIRN29|MI	microRNA	ncRNA
chr10-890	10.54794	-0.16312	0.733409	-0.22242	0.823987	0.981636	chr10	89015763	89016109	+	0	NA	non-codir	non-codir	-22961	NR_028371	1E+08	Hs.244139	NR_028371		FAS-AS1	FAS-AS|FA	FAS antis	ncRNA
chr2-3723	8.725692	-0.17994	0.809623	-0.22226	0.824114	0.981636	chr2	37236930	37237451	+	0	NA	intron (N	AluSp|SIN	5532	NR_146408	55471	Hs.433466	NM_018607	ENSG0000C	NDUFAF7	C2orf56|N	NADH:ubic	protein-coding
chr13-322	5.879729	-0.21337	0.960777	-0.22208	0.824254	0.981636	chr13	32221354	32222320	+	0	NA	intron (N	intron (N	90117	NM_001136	646799	Hs.569254	NM_001136	ENSG0000C	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr20-281	14.9114	-0.13827	0.623126	-0.2219	0.824389	0.981636	chr20	28178151	28178372	+	0	NA	Intergeni	ALR/Alpha	424404	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000C	FRG1CP	-	FSHD regi	pseudo
chr1-1611	10.63808	-0.1606	0.724813	-0.22158	0.824642	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluJb|SIN	3603	NR_033385	126823	Hs.507290	NM_152366	ENSG0000C	KLHDC9	KARCA1	kelch dom	protein-coding
chr8-2336	10.63808	-0.1606	0.724813	-0.22158	0.824642	0.981636	chr8	23367818	23368017	+	0	NA	intron (N	intron (N	31709	NR_038323	1.01E+08	Hs.661130	NR_038323	ENSG0000C	LOC100507	-	uncharact	ncRNA
chr7-1000	17.85155	0.126526	0.571391	0.221435	0.824754	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSp|SIN	7727	NM_001371214								
chr1-1174	5.459412	-0.21926	0.990653	-0.22133	0.824837	0.981636	chr1	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	47593	NM_006699	10905	Hs.435938	NM_006699	ENSG0000C	MAN1A2	MAN1B	mannosida	protein-coding
chr15-655	5.459412	-0.21926	0.990653	-0.22133	0.824837	0.981636	chr15	65514141	65515058	+	0	NA	intron (N	AluSg4|SI	2675	NM_197960	54878	Hs.458609	NM_017743	ENSG0000C	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr2-2032	10.63022	-0.15926	0.720114	-0.22116	0.824967	0.981636	chr2	20322513	20322839	+	0	NA	intron (N	AluJr|SIN	4710	NM_001282	23369	Hs.467824	NM_015317	ENSG0000C	PUM2	PUMH2|PUM	pumilio F	protein-coding
chr2-1332	10.63022	-0.15926	0.720114	-0.22116	0.824967	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA5|LIN	-62650	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG0000C	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr7-1276	10.63022	-0.15926	0.720114	-0.22116	0.824967	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	46055	NM_014390	27044	Hs.122523	NM_014390	ENSG0000C	SND1	TDRD11|Tu	staphyloc	protein-coding
chr9-4104	10.63022	-0.15926	0.720114	-0.22116	0.824967	0.981636	chr9	41042746	41044456	+	0	NA	intron (N	HAL1|LINE	31024	NR_002836	595135	Hs.571593	NR_002836	ENSG0000C	PGM5P2	-	phosphogl	pseudo
chr7-1521	9.666171	-0.16663	0.754089	-0.22096	0.825122	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	80878	NM_001371474								
chr11-748	5.451554	-0.2168	0.98145	-0.2209	0.825174	0.981636	chr11	74843829	74844619	+	0	NA	exon (NM_	exon (NM_	95375	NM_001098	254225	Hs.370145	NM_001098	ENSG0000C	RNF169	-	ring fing	protein-coding
chr15-249	5.451554	-0.2168	0.98145	-0.2209	0.825174	0.981636	chr15	24970890	24971775	+	0	NA	intron (N	intron (N	-10662	NR_022011	347746	Hs.733072	NR_022011		PWARSN	PAR-SN|PA	Prader Wi	ncRNA
chr19-402	5.451554	-0.2168	0.98145	-0.2209	0.825174	0.981636	chr19	4025431	4026256	+	0	NA	intron (N	AluY|SINE	18107	NM_015897	51588	Hs.105779	NM_015897	ENSG0000C	PIAS4	PIAS-gamm	protein i	protein-coding
chr11-108	8.910194	0.186358	0.843773	0.220863	0.825199	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MB2|LIN	41996	NM_001321	4863	Hs.171061	NM_002519	ENSG0000C	NPAT	E14|E14/N	nuclear p	protein-coding
chr14-730	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr14	73087770	73092016	+	0	NA	intron (N	AluSq|SIN	31359	NM_021239	58517	Hs.531106	NM_021239	ENSG0000C	RBM25	NET52|RED	RNA bindi	protein-coding
chr16-117	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr16	11777336	11778997	+	0	NA	intron (N	AluSc8|SI	19092	NM_014153	29066	Hs.371856	NM_014153	ENSG0000C	ZC3H7A	HSPC055|Z	zinc fing	protein-coding

chr18-876	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr18	8761041	8763618	+	0	NA	intron (N	intron (N	44948	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-553	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr19	55386564	55390376	+	0	NA	TTS (NR_1	TTS (NR_1	289	NR_106863	1.02E+08		NR_106863	ENSG00000	MIR6805	hsa-mir-6	microRNA	ncRNA
chr22-411	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr22	41117011	41117897	+	0	NA	exon (NM_	exon (NM_	24862	NM_001362	2033	Hs.517517	NM_001429	ENSG00000	EP300	KAT3B|MKH	E1A bindi	protein-coding
chr3-1723	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	L2c|LINE|	100375	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth hc	protein-coding
chr6-2994	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr6	29943354	29946219	+	0	NA	intron (N	intron (N	2254	NM_002116	3105	Hs.181244	NM_002116	ENSG00000	HLA-A	HLAA	major his	protein-coding
chr6-1350	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	17695	NM_001145	10767	Hs.378532	NM_006620	ENSG00000	HBS1L	EF-1a|ERF	HBS1 like	protein-coding
chr7-7488	10.16877	-0.1618	0.734435	-0.2203	0.825636	0.981636	chr7	74885857	74886316	+	0	NA	intron (N	intron (N	4526	NR_040584	442582	Hs.632310	NM_001025202		STAG3L2	STAG3L1|S	stromal a	pseudo
chr11-764	5.46727	-0.22182	1.007145	-0.22024	0.825682	0.981636	chr11	76464062	76464903	+	0	NA	intron (N	intron (N	19457	NM_020193	56946	Hs.352588	NM_020193	ENSG00000	EMSY	C11orf30|	EMSY tran	protein-coding
chr1-7023	10.62237	-0.15795	0.717688	-0.22008	0.825808	0.981636	chr1	70235633	70238060	+	0	NA	intron (N	AluSc8|SI	15466	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-1092	10.62237	-0.15795	0.717688	-0.22008	0.825808	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-14101	NM_001408	1952	Hs.57652	NM_001408	ENSG00000	CELSR2	ADGRC2|CI	cadherin	protein-coding
chr14-528	10.62237	-0.15795	0.717688	-0.22008	0.825808	0.981636	chr14	52867079	52873400	+	0	NA	intron (N	Tigger3b|	-78632	NM_198066	64841	Hs.478025	NM_198066	ENSG00000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr17-422	4.907819	-0.23594	1.072229	-0.22005	0.825833	0.981636	chr17	42223539	42223892	+	0	NA	intron (N	intron (N	-29221	NM_001142	84514	Hs.38039	NM_032484	ENSG00000	GHDC	D11LGP1|I	GH3 domai	protein-coding
chr13-325	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr13	32509346	32509985	+	0	NA	promoter-	promoter-	-270	NR_026928	116828	Hs.658751	NR_026928	ENSG00000	N4BP2L2-I	CG030	N4BPL2 ir	ncRNA
chr18-260	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr18	26012244	26013092	+	0	NA	Intergeni	Intergeni	77945	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr3-3253	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr3	32539630	32541144	+	0	NA	intron (N	intron (N	30471	NM_016141	51143	Hs.529495	NM_016141	ENSG00000	DYNC1LI1	DLC-A|DNC	dynein cy	protein-coding
chr4-1593	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	L2a|LINE|	49578	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-8630	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr5	863058	864298	+	0	NA	TTS (NR_1	TTS (NR_1	-12692	NM_024786	79844	Hs.654874	NM_024786	ENSG00000	ZDHHC11	ZNF399	zinc fing	protein-coding
chr5-1795	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSp|SIN	20895	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr6-3428	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr6	34287032	34287876	+	0	NA	3’ UTR (N	3’ UTR (N	-38346	NM_001287	221491	Hs.381300	NM_178508	ENSG00000	SMIM29	C6orf1|LE	small int	protein-coding
chr6-8975	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr6	89755884	89756649	+	0	NA	intron (N	intron (N	63528	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr6-1078	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	-56575	NM_001286	256380	Hs.486109	NM_198081	ENSG00000	SCML4	dJ47M23.1	Scm polyc	protein-coding
chr9-1088	5.402557	-0.21804	0.994417	-0.21926	0.826447	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	18381	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr1-1240	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr1	12403269	12403681	+	0	NA	intron (N	intron (N	-103771	NR_003025	677885	Hs.658450	NR_003025	ENSG00000	SNORA59A	ACA59	small nuc	snoRNA
chr1-4663	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr1	46633051	46633975	+	0	NA	Intergeni	MIRb|SINE	-16622	NM_201403	148932	Hs.632401	NM_145279	ENSG00000	MOB3C	MOB1E|MOE	MOB kinas	protein-coding
chr11-642	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr11	64237448	64238608	+	0	NA	intron (N	intron (N	-3067	NM_004470	2286	Hs.227729	NM_004470	ENSG00000	FKBP2	FKBP-13|F	FKBP prol	protein-coding
chr17-602	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr17	60270628	60271396	+	0	NA	intron (N	intron (N	-39367	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr19-161	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr19	16123148	16125241	+	0	NA	intron (N	intron (N	-9834	NM_032855	84941	Hs.631617	NM_032855	ENSG00000	HSH2D	ALX|HSH2	hematopoi	protein-coding
chr2-9859	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr2	98595154	98595842	+	0	NA	Intergeni	L1PA2|LIN	13014	NM_001008	493753	Hs.596537	NM_001008	ENSG00000	COA5	6330578E1	cytochrom	protein-coding
chr2-1586	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	113081	NR_135242	1E+08	Hs.630724	NR_135242	ENSG00000	PKP4-AS1	-	PKP4 anti	ncRNA
chr20-390	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr20	39008885	39010824	+	0	NA	intron (N	intron (N	47510	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr3-3909	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr3	39099040	39100844	+	0	NA	intron (N	intron (N	7685	NM_001278	64689	Hs.721946	NM_031899	ENSG00000	GORASP1	GOLPH5|GR	golgi rea	protein-coding
chr3-4124	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr3	41240921	41241493	+	0	NA	TTS (NM_0	TTS (NM_0	41702	NM_001098	1499	Hs.476018	NM_001904	ENSG00000	CTNNB1	CTNNB|EVR	catenin b	protein-coding
chr4-5588	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr4	55888777	55890023	+	0	NA	intron (N	intron (N	35750	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr5-1296	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PA13|LI	-113245	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1419	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	Intergeni	L1MC3|LIN	21628	NM_005471	10007	Hs.633853	NM_005471	ENSG00000	GNPDA1	GNP1|GNPD	glucosami	protein-coding
chr6-2059	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr6	20595947	20596423	+	0	NA	intron (N	L1PA7|LIN	61728	NM_017774	54901	Hs.657604	NM_017774	ENSG00000	CDKAL1	-	CDK5 regu	protein-coding
chr7-4466	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr7	44666803	44667508	+	0	NA	intron (N	AluJb|SIN	60528	NM_001003	4967	Hs.488181	NM_002541	ENSG00000	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr9-9418	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chr9	94182735	94183665	+	0	NA	intron (N	AluJb|SIN	4366	NR_029481	406886		NR_029481	ENSG00000	MIRLET7D	LET7D|MIR	microRNA	ncRNA
chrX-7145	5.443697	-0.21438	0.978456	-0.2191	0.826575	0.981636	chrX	71455246	71455877	+	0	NA	intron (N	MIRb|SINE	36888	NR_002226	27160	Hs.721806	NR_002226	ENSG00000	INGX	ING1-like	inhibitor	pseudo
chr20-398	9.212572	-0.17112	0.781107	-0.21907	0.826592	0.981636	chr20	3989107	3989613	+	0	NA	intron (N	AluY|SINE	26198	NM_001134	11237	Hs.547576	NM_007219	ENSG00000	RNF24	G1L	ring fing	protein-coding
chr13-209	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr13	20972815	20977469	+	0	NA	exon (NM_	exon (NM_	-25714	NR_104058	1.02E+08	Hs.637638	NR_104058	ENSG00000	LINC00367	-	long inte	ncRNA
chr13-491	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr13	49136632	49137563	+	0	NA	intron (N	AluJo|SIN	26780	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr14-213	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr14	21351408	21355079	+	0	NA	intron (N	intron (N	30776	NM_007192	11198	Hs.213724	NM_007192	ENSG00000	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr16-224	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr16	22467332	22471153	+	0	NA	intron (N	intron (N	-31527	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-554	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr16	55495443	55498364	+	0	NA	intron (N	intron (N	-12169	NM_017839	54947	Hs.460857	NM_017839	ENSG00000	LPCAT2	AGPAT11|A	lysophosp	protein-coding
chr2-3318	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr2	33186395	33190349	+	0	NA	intron (N	AluSq2|SI	53775	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-6508	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr2	65085606	65086690	+	0	NA	TTS (NM_0	TTS (NM_0	29732	NM_001319	23177	Hs.709257	NM_015147	ENSG00000	CEP68	KIAA0582	centrosom	protein-coding
chr22-363	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr22	36332852	36343212	+	0	NA	intron (N	AluSx|SIN	50035	NM_002473	4627	Hs.474751	NM_002473	ENSG00000	MYH9	BDPLT6|DF	myosin he	protein-coding
chr6-8556	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr6	85563241	85564935	+	0	NA	intron (N	L1PA5|LIN	29770	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr6-1438	10.16091	-0.16045	0.733051	-0.21889	0.826739	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L1PA7|LIN	8558	NM_032860	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr2-2777	4.9411	-0.22921	1.047576	-0.2188	0.826806	0.981636	chr2	27777791	27778831	+	0	NA	intron (N	intron (N	6592	NM_004891	9553	Hs.515879	NM_004891	ENSG00000	MRPL33	C2orf1|L3	mitochond	protein-coding
chr7-9275	4.9411	-0.22921	1.047576	-0.2188	0.826806	0.981636	chr7	92756345	92757099	+	0	NA	intron (N	intron (N	77237	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr7-1571	4.9411	-0.22921	1.047576	-0.2188	0.826806	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	L2a|LINE|	25865	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr19-259	13.84325	0.141099	0.64508	0.218731	0.82686	0.981636	chr19	25963837	25964852	+	0	NA	Intergeni	ALR/Alpha	-1800897	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1500	8.717834	-0.17815	0.81551	-0.21845	0.827081	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	18114	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-2677	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr1	26773211	26781052	+	0	NA	intron (N	AluJb|SIN	-10832	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr10-119	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	6643	NM_199461	340719	Hs.591918	NM_199461	ENSG00000	NANOS1	EC_Rep1a|	nanos C2H	protein-coding
chr14-730	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr14	73072057	73073625	+	0	NA	intron (N	intron (N	14307	NM_021239	58517	Hs.531106	NM_021239	ENSG00000	RBM25	NET52|RED	RNA bindi	protein-coding
chr16-214	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr16	21474514	21475330	+	0	NA	intron (N	intron (N	-26604	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr17-751	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr17	7512670	7512915	+	0	NA	exon (NM_	exon (NM_	28426	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr2-4779	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr2	47797972	47800206	+	0	NA	exon (NM_	exon (NM_	15134	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homo	protein-coding
chr6-3806	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr6	38061611	38063611	+	0	NA	intron (N	AluSx1|SI	242884	NM_021943	60685	Hs.36959	NM_021943	ENSG00000	ZFAND3	TEX27	zinc fing	protein-coding
chr8-1180	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	AluJo|SIN	8608	NM_000127	2131	Hs.492618	NM_000127	ENSG00000	EXT1	EXT|LGCR|	exostosin	protein-coding
chr9-3393	10.61451	-0.15666	0.717479	-0.21834	0.827163	0.981636	chr9	33935355	33936316	+	0	NA	intron (N	intron (N	-1460	NR_102370	1.01E+08		NR_102370	ENSG00000	SNORD121B	-	small nuc	snoRNA
chr17-351	5.913011	-0.20754	0.952348	-0.21793	0.827487	0.981636	chr17	35101750	35102483	+	0	NA	intron (N	intron (N	-12890	NR_037713	117584	Hs.13680	NM_057178	ENSG00000	RFFL	CARP-2|CA	ring fing	protein-coding
chr5-1723	5.913011	-0.20754	0.952348	-0.21793	0.827487	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	L1ME4a|LI	60157	NM_001308	285590	Hs.285666	NM_001017	ENSG00000	SH3PXD2B	FAD49|FTH	SH3 and P	protein-coding
chr14-556	8.676695	-0.18023	0.827234	-0.21787	0.827533	0.981636	chr14	55664041	55664348	+	0	NA	intron (N	intron (N	83987	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr4-8006	4.98224	-0.2253	1.034777	-0.21773	0.827639	0.981636	chr4	80060187	80060777	+	0	NA	intron (N	intron (N	12747	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr11-573	9.658313	-0.16512	0.759059	-0.21753	0.827793	0.981636	chr11	57320415	57320782	+	0	NA	exon (NM_	exon (NM_	4354	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr1-1179	9.707311	-0.16451	0.757235	-0.21725	0.82801	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	L1MB8|LIN	10649	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-2563	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr1	25635619	25637191	+	0	NA	intron (N	MER11A|LT	18937	NM_001289	57134	Hs.197043	NM_020379	ENSG00000	MAN1C1	HMIC|MAN1	mannosida	protein-coding
chr1-2014	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	THE1B|LTR	3191	NM_001193	1465	Hs.108080	NM_004078	ENSG00000	CSRP1	CRP|CRP1|	cysteine	protein-coding
chr10-689	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr10	68906619	68908270	+	0	NA	intron (N	AluSz|SIN	6129	NM_024045	79009	Hs.522984	NM_024045	ENSG00000	DDX50	GU2|GUB|R	DExD-box	protein-coding
chr2-7022	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr2	70227604	70231352	+	0	NA	intron (N	intron (N	19150	NR_147227	7072	Hs.413123	NM_022037	ENSG00000	TIA1	TIA-1|WDM	TIA1 cyto	protein-coding
chr20-323	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr20	32316621	32317416	+	0	NA	intron (N	AluSx|SIN	39367	NM_004798	9371	Hs.369670	NM_004798	ENSG00000	KIF3B	FLA8|HH0	kinesin f	protein-coding
chr3-7101	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr3	71013172	71016586	+	0	NA	intron (N	L1PA5|LIN	50045	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1837	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJb|SIN	33953	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 an	ncRNA
chr4-1393	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSz|SIN	-36342	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr4-1432	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	21447	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitin	protein-coding
chr8-2315	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr8	23151294	23155712	+	0	NA	intron (N	L1MA8|LIN	10524	NM_003840	8793	Hs.213467	NM_003840	ENSG00000	TNFRSF10D	CD264|DCR	TNF recep	protein-coding
chr8-3905	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chr8	39053731	39056705	+	0	NA	intron (N	intron (N	-36533	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chrX-4744	10.15305	-0.1591	0.734029	-0.21674	0.828408	0.981636	chrX	47448871	47449517	+	0	NA	exon (NM_	exon (NM_	18475	NM_001324	7592	Hs.496074	NM_007130	ENSG00000	ZNF41	MRX89	zinc fing	protein-coding
chr1-2113	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	MamRep137	-25851	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr13-452	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr13	45269562	45270271	+	0	NA	intron (N	AluSq2|SI	66531	NR_145985	1.1E+08		NR_145726	ENSG00000	SNORA31B	-	small nuc	snoRNA
chr16-269	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr16	2698363	2698894	+	0	NA	intron (N	intron (N	16105	NM_018992	54442	Hs.61960	NM_018992	ENSG00000	KCTD5	-	potassium	protein-coding
chr19-279	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr19	2794796	2795676	+	0	NA	intron (N	AluSx|SIN	9733	NM_003249	7064	Hs.78769	NM_003249	ENSG00000	THOP1	EP24.15|M	thimet ol	protein-coding
chr2-4704	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr2	47048336	47050459	+	0	NA	intron (N	intron (N	105911	NM_173649	285051	Hs.531575	NM_173649	ENSG00000	STPG4	C2orf61|C	sperm-tai	protein-coding
chr3-1180	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr3	11801935	11803165	+	0	NA	intron (N	L1M2|LINE	44335	NM_001321	132001	Hs.475472	NM_138807	ENSG00000	TAMM41	C3orf31|F	TAM41 mit	protein-coding
chr7-9899	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chr7	98999431	99001324	+	0	NA	intron (N	intron (N	-12788	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chrX-1545	5.905153	-0.20518	0.946794	-0.21671	0.828433	0.981636	chrX	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-8416	NM_001099	8517	Hs.43505	NM_003639	ENSG00000	IKBKG	AMCBX1|ED	inhibitor	protein-coding
chr7-6012	3.743267	0.25458	1.178334	0.216051	0.828948	0.981636	chr7	6012086	6012853	+	0	NA	intron (N	intron (N	2902	NM_001362	7965	Hs.301613	NM_006303	ENSG00000	AIMP2	HLD17|JTV	aminoacyl	protein-coding
chr1-4266	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr1	42667662	42669058	+	0	NA	intron (N	(TTCC)n|S	9937	NM_006347	10465	Hs.256639	NM_006347	ENSG00000	PPIH	CYP-20|CY	peptidylp	protein-coding
chr1-1691	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	intron (N	AluJb|SIN	19262	NM_001677	481	Hs.291196	NM_001677	ENSG00000	ATP1B1	ATP1B	ATPase Na	protein-coding
chr12-214	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr12	21480469	21481256	+	0	NA	intron (N	LTR50|LTR	20773	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr12-498	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr12	49814298	49818514	+	0	NA	intron (N	intron (N	12007	NM_001368	57701	Hs.143067	NM_001037	ENSG00000	NCKAP5L	Cep169|FF	NCK assoc	protein-coding
chr12-574	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr12	57421866	57422544	+	0	NA	intron (N	L2|LINE|L	8838	NM_001351	22864	Hs.443673	NM_014925	ENSG00000	R3HDM2	CAG6|PRO1	R3H domai	protein-coding
chr12-623	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr12	62383808	62384865	+	0	NA	intron (N	(T)n|Simp	-82490	NM_001278	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr13-453	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr13	45394999	45395855	+	0	NA	3’ UTR (N	3’ UTR (N	-22735	NR_047031	1.01E+08	Hs.658038	NR_047031	ENSG00000	SLC25A30-	-	SLC25A30	ncRNA
chr13-114	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	TTS (NM_0	TTS (NM_0	5800	NR_126391	1.04E+08	Hs.569217	NR_126391		LINC01054	-	long inte	ncRNA
chr14-553	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr14	55375723	55376419	+	0	NA	intron (N	intron (N	35787	NM_014924	22863	Hs.414809	NM_014924	ENSG00000	ATG14	ATG14L|BA	autophagy	protein-coding
chr16-144	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr16	14479333	14480643	+	0	NA	intron (N	L1ME2|LIN	-109722	NR_131191	1.05E+08	Hs.554151	NR_131191	ENSG00000	LINC02130	-	long inte	ncRNA
chr16-587	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr16	58706527	58707439	+	0	NA	TTS (NM_0	TTS (NM_0	-22213	NR_161424	55238	Hs.10499	NM_018231	ENSG00000	SLC38A7	SNAT7	solute ca	protein-coding
chr17-319	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr17	31943748	31946239	+	0	NA	intron (N	AluJr4|SI	7986	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr18-127	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr18	12715997	12717115	+	0	NA	intron (N	AluY|SINE	13514	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteasom	protein-coding
chr19-942	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr19	9422009	9422839	+	0	NA	intron (N	intron (N	13149	NM_001370	10781	Hs.656185	NM_006631	ENSG00000	ZNF266	HZF1	zinc fing	protein-coding
chr19-343	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr19	34397761	34398626	+	0	NA	intron (N	AluJb|SIN	-6205	NM_001353	84306	Hs.515344	NM_032346	ENSG00000	PDCD2L	-	programme	protein-coding
chr2-5586	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr2	55865263	55866384	+	0	NA	TTS (NM_0	TTS (NM_0	57959	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-1358	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSx1|SI	17479	NM_005915	4175	Hs.444118	NM_005915	ENSG00000	MCM6	MCG40308|	minichrom	protein-coding
chr2-1719	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJo|SIN	8653	NM_003642	8520	Hs.632532	NM_003642	ENSG00000	HAT1	KAT1	histone a	protein-coding
chr20-252	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr20	25287021	25288753	+	0	NA	intron (N	AluJo|SIN	39802	NM_002862	5834	Hs.368157	NM_002862	ENSG00000	PYGB	GPBB	glycogen	protein-coding
chr20-491	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr20	49177331	49177928	+	0	NA	intron (N	AluY|SINE	10741	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr21-256	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr21	25601006	25604796	+	0	NA	intron (N	THE1D|LTR	4588	NM_017446	54148	Hs.420696	NM_017446	ENSG00000	MRPL39	C21orf92|	mitochond	protein-coding
chr22-240	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr22	24078143	24080129	+	0	NA	intron (N	L1ME3Cz|L	67766	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr3-5833	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr3	58337993	58338456	+	0	NA	intron (N	AluSx|SIN	4918	NM_001349	54899	Hs.190544	NM_017771	ENSG00000	PXK	MONAKA|SL	PX domain	protein-coding
chr3-9881	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr3	98816906	98819004	+	0	NA	intron (N	intron (N	54648	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr3-1964	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-4470	NR_046745	1.01E+08	Hs.617990	NR_046745		UBXN7-AS1	-	UBXN7 ant	ncRNA
chr4-1290	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr4	1.29E+08	1.29E+08	+	0	NA	intron (N	L1M2|LINE	30594	NM_001300	132320	Hs.654690	NM_144643	ENSG00000	SCLT1	CAP-1A|CA	sodium ch	protein-coding
chr5-3705	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr5	37057449	37061976	+	0	NA	intron (N	intron (N	182943	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-1234	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	L2|LINE|L	8332	NM_001166	153241	Hs.483209	NM_153223	ENSG00000	CEP120	CCDC100|J	centrosom	protein-coding
chr5-1297	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-44669	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr6-1250	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-71038	NM_001003	7164	Hs.591347	NM_003287	ENSG00000	TPD52L1	D53	TPD52 lik	protein-coding
chr7-1298	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	68425	NM_003344	7328	Hs.643548	NM_003344	ENSG00000	UBE2H	E2-20K|GI	ubiquitin	protein-coding
chr7-1300	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	16545	NM_001363	51530	Hs.194157	NM_016478	ENSG00000	ZC3HC1	HSPC216|N	zinc fing	protein-coding

chr9-2720	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr9	27200261	27201010	+	0	NA	intron (N	intron (N	82158	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-8841	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr9	88416367	88417308	+	0	NA	intron (N	AluSp|SIN	28393	NM_006717	10927	Hs.146804	NM_006717	ENSG00000	SPIN1	SPIN|TDRI	spindlin	protein-coding
chr9-9205	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr9	92055769	92056319	+	0	NA	intron (N	L1MC5a|LI	59369	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1284	5.435839	-0.21194	0.981398	-0.21596	0.829022	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSq2|SI	19447	NM_153437	4957	Hs.129055	NM_002540	ENSG00000	ODF2	CT134|ODF	outer der	protein-coding
chr10-320	10.60665	-0.15536	0.71949	-0.21594	0.829036	0.981636	chr10	32025889	32039459	+	0	NA	intron (N	intron (N	23751	NM_004521	3799	Hs.327736	NM_004521	ENSG00000	KIF5B	HEL-S-61|	kinesin f	protein-coding
chr2-1772	10.60665	-0.15536	0.71949	-0.21594	0.829036	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	19517	NR_138470	220988	Hs.516539	NM_194247	ENSG00000	HNRNPA3	2610510D1	heteroger	protein-coding
chr19-154	10.66351	-0.15613	0.724124	-0.21561	0.829288	0.981636	chr19	15422425	15426324	+	0	NA	exon (NM_	exon (NM_	-5386	NM_001291	26993	Hs.399800	NM_014371	ENSG00000	AKAP8L	HA95|HAP9	A-kinase	protein-coding
chr2-2312	10.66351	-0.15613	0.724124	-0.21561	0.829288	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSx4|SI	-71035	NR_039937	1.01E+08		NR_039937	ENSG00000	MIR4777	-	microRNA	ncRNA
chr9-4105	10.66351	-0.15613	0.724124	-0.21561	0.829288	0.981636	chr9	41050329	41051167	+	0	NA	intron (N	L1M2|LINE	23877	NR_002836	595135	Hs.571593	NR_002836	ENSG00000	PGM5P2	-	phosphogl	pseudo
chr12-214	9.699453	-0.16309	0.757038	-0.21543	0.829432	0.981636	chr12	21483003	21483361	+	0	NA	intron (N	intron (N	18453	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr11-449	5.830732	-0.21551	1.000665	-0.21537	0.82948	0.981636	chr11	44934009	44934411	+	0	NA	non-codir	non-codir	15950	NM_001258	9537	Hs.554791	NM_006034	ENSG00000	TP53I11	PIG11	tumor prc	protein-coding
chr10-501	10.67136	-0.15746	0.731199	-0.21535	0.829495	0.981636	chr10	50128003	50128550	+	0	NA	intron (N	intron (N	60322	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr11-105	10.65565	-0.15483	0.719429	-0.21521	0.829606	0.981636	chr11	10579214	10580597	+	0	NA	intron (N	intron (N	-11240	NM_006691	10894	Hs.655332	NM_006691	ENSG00000	LYVE1	CRSBP-1|I	lymphatic	protein-coding
chr14-306	10.65565	-0.15483	0.719429	-0.21521	0.829606	0.981636	chr14	30663705	30664797	+	0	NA	intron (N	L1P2|LINE	41932	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr2-1691	10.65565	-0.15483	0.719429	-0.21521	0.829606	0.981636	chr2	1691430	1693055	+	0	NA	intron (N	intron (N	52273	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr4-3894	10.65565	-0.15483	0.719429	-0.21521	0.829606	0.981636	chr4	38943968	38945630	+	0	NA	non-codir	non-codir	76767	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr15-997	11.10925	-0.15148	0.705006	-0.21487	0.829869	0.981636	chr15	99712580	99712955	+	0	NA	exon (NM_	exon (NM_	20670	NM_001284	145748	Hs.562568	NM_152449	ENSG00000	LYSMD4	-	LysM doma	protein-coding
chr1-5139	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr1	51396907	51398353	+	0	NA	intron (N	intron (N	24465	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr1-8423	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr1	84231467	84232691	+	0	NA	intron (N	L1PA3|LIN	50447	NM_001242	5567	Hs.487325	NM_002731	ENSG00000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-1656	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	L1PA6|LIN	7231	NM_001365	223	Hs.2533	NM_000696	ENSG00000	ALDH9A1	ALDH4|ALI	aldehyde	protein-coding
chr1-2008	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-29838	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G proteir	protein-coding
chr11-101	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr11	10193039	10193673	+	0	NA	intron (N	AluY|SINE	100851	NM_030962	81846	Hs.577252	NM_030962	ENSG00000	SBF2	CMT4B2|DE	SET bindi	protein-coding
chr11-123	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	46482	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAN	CXADR lik	protein-coding
chr12-252	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr12	25235536	25236039	+	0	NA	intron (N	MER1B|DNA	15142	NM_001369	3845	Hs.505033	NM_004985	ENSG00000	KRAS	C-K-RAS|C	KRAS prot	protein-coding
chr17-450	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr17	45026804	45027250	+	0	NA	intron (N	intron (N	24605	NM_001288	79877	Hs.463148	NM_024819	ENSG00000	DCAKD	-	dephosphc	protein-coding
chr18-633	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr18	63341768	63342842	+	0	NA	intron (N	HAL1|LINE	-22925	NM_000657	596	Hs.150749	NM_000633	ENSG00000	BCL2	Bcl-2|PPI	BCL2 apor	protein-coding
chr19-221	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr19	2213116	2213623	+	0	NA	intron (N	intron (N	20780	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr19-364	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr19	3647663	3648265	+	0	NA	intron (N	AluSx|SIN	-21149	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr3-1393	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	2368	NM_001363	56945	Hs.745001	NM_020191	ENSG00000	MRPS22	C3orf5|CC	mitochonc	protein-coding
chr4-1545	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr4	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	2669	NM_002669	5356	Hs.249996	NM_002669	ENSG00000	PLRG1	Cwc1|PRL1	pleiotror	protein-coding
chr6-4367	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr6	43672448	43673355	+	0	NA	TTS (NM_1	TTS (NM_1	14911	NM_018135	55168	Hs.520149	NM_018135	ENSG00000	MRPS18A	HumanS18I	mitochonc	protein-coding
chr8-8794	5.897295	-0.20292	0.94673	-0.21434	0.830282	0.981636	chr8	8794743	8797097	+	0	NA	intron (N	intron (N	93983	NM_194284	137075	Hs.183617	NM_194284	ENSG00000	CLDN23	CLDNL|hCC	claudin 2	protein-coding
chr11-831	10.64779	-0.15354	0.717005	-0.21413	0.830442	0.981636	chr11	83190368	83192261	+	0	NA	intron (N	AluSq2|SI	2355	NR_149010	1.01E+08	Hs.585502	NM_018705		LOC100506	-	uncharact	ncRNA
chr19-164	10.64779	-0.15354	0.717005	-0.21413	0.830442	0.981636	chr19	16417176	16417429	+	0	NA	intron (N	intron (N	54668	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr5-1713	10.64779	-0.15354	0.717005	-0.21413	0.830442	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	6626	NM_001355	4869	Hs.557550	NM_002520	ENSG00000	NPM1	B23|NPM	nucleophc	protein-coding
chr9-9214	10.64779	-0.15354	0.717005	-0.21413	0.830442	0.981636	chr9	92142579	92145984	+	0	NA	intron (N	intron (N	2814	NR_027341	158314	Hs.149940	NR_027341		LINC00475	C9orf44	long inte	ncRNA
chrX-1176	4.974382	-0.22245	1.041782	-0.21353	0.830916	0.981636	chrX	11761442	11762106	+	0	NA	intron (N	intron (N	2127	NM_006800	10943	Hs.655288	NM_006800	ENSG00000	MSL3	MSL3L1	MSL compl	protein-coding
chr11-274	11.10139	-0.15023	0.703754	-0.21347	0.830962	0.981636	chr11	27498014	27498675	+	0	NA	3' UTR (N	3' UTR (N	8425	NM_018362	55327	Hs.91393	NM_018362	ENSG00000	LIN7C	LIN-7-C|I	lin-7 hom	protein-coding
chr7-5520	11.10139	-0.15023	0.703754	-0.21347	0.830962	0.981636	chr7	55200090	55206672	+	0	NA	TTS (NM_0	TTS (NM_0	-14432	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr9-1142	11.10139	-0.15023	0.703754	-0.21347	0.830962	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME1|LIN	-27534	NM_000607	5004	Hs.522356	NM_000607	ENSG00000	ORM1	AGP-A|AGF	orosomucc	protein-coding
chr3-6740	5.394699	-0.21557	1.010965	-0.21323	0.831147	0.981636	chr3	67400047	67400897	+	0	NA	intron (N	MER103C|I	175008	NR_036234	1E+08		NR_036234	ENSG00000	MIR4272	-	microRNA	ncRNA
chr8-1868	5.394699	-0.21557	1.010965	-0.21323	0.831147	0.981636	chr8	1868877	1869218	+	0	NA	intron (N	A-rich|Lo	45121	NM_001308	9639	Hs.98594	NM_014629	ENSG00000	ARHGEF10	GEF10|SNC	Rho guani	protein-coding
chr9-8634	10.19419	-0.15711	0.737928	-0.21291	0.831396	0.981636	chr9	86342141	86342522	+	0	NA	intron (N	intron (N	12079	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr2-9275	20.42878	0.119449	0.56188	0.212588	0.831648	0.981636	chr2	92758961	92759226	+	0	NA	Intergeni	ALR/Alpha	817960	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-285	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr10	28535666	28541462	+	0	NA	intron (N	AluSx1|SI	5446	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domair	protein-coding
chr11-351	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr11	35175637	35189923	+	0	NA	intron (N	LTR101_Ma	19830	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-596	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr11	59663355	59666834	+	0	NA	intron (N	intron (N	3943	NM_152716	219988	Hs.591960	NM_152716	ENSG00000	PATL1	Pat1b|hPa	PAT1 homc	protein-coding
chr2-6989	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr2	69895315	69897652	+	0	NA	exon (NM_	exon (NM_	2527	NM_006857	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr4-5697	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr4	56970284	56973924	+	0	NA	intron (N	AluYf1|SI	5502	NM_032313	84273	Hs.8715	NM_032313	ENSG00000	NOA1	C4orf14|N	nitric ox	protein-coding
chr4-7577	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr4	75773697	75781095	+	0	NA	intron (N	L1MC2|LIN	52874	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-1382	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	25699	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr4-1866	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-76282	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonir	protein-coding
chr5-7289	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr5	72899818	72910021	+	0	NA	intron (N	THE1B|LTF	26328	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr6-1362	10.63993	-0.15224	0.716797	-0.2124	0.831798	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	12630	NM_001077	9774	Hs.486542	NM_014739	ENSG00000	BCLAF1	BTF|bK211	BCL2 assc	protein-coding
chr6-1473	10.18633	-0.15577	0.73654	-0.2115	0.832501	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	exon (NM_	exon (NM_	-149526	NM_001030	389432	Hs.567973	NM_001030	ENSG00000	SAMD5	dJ875H10.	sterile a	protein-coding
chr7-8019	10.18633	-0.15577	0.73654	-0.2115	0.832501	0.981636	chr7	80191005	80191734	+	0	NA	intron (N	L2c|LINE|	55585	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G proteir	protein-coding
chr1-7742	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr1	77421824	77422161	+	0	NA	intron (N	L2-1_AMi|	138905	NM_012093	26289	Hs.559718	NM_012093	ENSG00000	AK5	AK6	adenylate	protein-coding
chr10-798	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr10	79818999	79820375	+	0	NA	intron (N	L1ME1|LIN	-6215	NR_029407	642361	Hs.164298	NR_029407	ENSG00000	LOC642361	-	uncharact	ncRNA
chr11-748	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr11	74884203	74885699	+	0	NA	intron (N	L1PREC2|I	64140	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rac	protein-coding
chr12-433	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr12	4332575	4333229	+	0	NA	intron (N	L1MC4a|LI	11689	NM_020375	57103	Hs.504545	NM_020375	ENSG00000	TIGAR	C12orf5|I	TP53 indu	protein-coding
chr12-120	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	39839	NM_000017	35	Hs.507076	NM_000017	ENSG00000	ACADS	ACAD3|SCA	acyl-CoA	protein-coding
chr16-699	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr16	69986641	69987079	+	0	NA	intron (N	MER30|DNA	35680	NM_001370	348174	Hs.592064	NM_182619	ENSG00000	CLEC18A	MRCL|MRCI	C-type le	protein-coding
chr19-326	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr19	32665789	32666467	+	0	NA	intron (N	L1M5|LINE	9052	NM_032139	84079	Hs.59236	NM_032139	ENSG00000	ANKRD27	PP12899|V	ankyrin r	protein-coding
chr2-1771	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr2	17717473	17717964	+	0	NA	intron (N	AluJb|SIN	36092	NM_001142	79677	Hs.526728	NM_024624	ENSG00000	SMC6	SMC-6|SMC	structura	protein-coding
chr2-1827	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	13553	NR_073367	54431	Hs.516632	NM_018981	ENSG00000	DNAJC10	ERdj5|JPI	DnaJ heat	protein-coding
chr3-2719	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr3	27198782	27199590	+	0	NA	intron (N	L1PA13|LI	17337	NM_001304	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr4-1280	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	L1P4|LINE	-34475	NM_152778	256471	Hs.480701	NM_152778	ENSG00000	MFSD8	CCMD|CLN7	major fac	protein-coding
chr5-1729	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	L2a|LINE|	13418	NR_162113	1.13E+08		NR_162113		MIR10523	-	microRNA	ncRNA
chr6-8974	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr6	89748498	89749388	+	0	NA	intron (N	AluJo|SIN	70851	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr7-8079	5.427981	-0.20943	0.990557	-0.21143	0.832555	0.981636	chr7	80794014	80797868	+	0	NA	intron (N	MER63A|DN	123110	NM_006379	10512	Hs.269109	NM_006379	ENSG00000	SEMA3C	SEMAE|Sem	semaphori	protein-coding
chr9-1119	11.55499	-0.14733	0.696943	-0.2114	0.832576	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-8776	NR_039814	1.01E+08		NR_039814	ENSG00000	MIR4668	mir-4668	microRNA	ncRNA
chr2-1310	5.476978	-0.20826	0.985196	-0.21139	0.832583	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	L1ME1|LIN	23740	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr2-7016	4.933242	-0.22604	1.071934	-0.21087	0.832985	0.981636	chr2	70167798	70168329	+	0	NA	intron (N	AluSx|SIN	22648	NR_145971	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr12-533	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr12	53381653	53383228	+	0	NA	exon (NM_	exon (NM_	1796	NM_003109	6667	Hs.620754	NM_003109	ENSG00000	SP1	-	Sp1 trans	protein-coding
chr17-672	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr17	67231408	67232023	+	0	NA	intron (N	L1MD3|LIN	-13061	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr19-105	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr19	10555602	10556968	+	0	NA	intron (N	AluJo|SIN	4163	NR_031603	1E+08		NR_031603	ENSG00000	MIR1238	MIRN1238|	microRNA	ncRNA
chr22-413	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr22	41337031	41338234	+	0	NA	intron (N	intron (N	-29701	NM_001145	7008	Hs.181159	NM_003216	ENSG00000	TEF	-	TEF trans	protein-coding
chr3-8809	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr3	88097350	88097882	+	0	NA	intron (N	L1PA5|LIN	38361	NM_001350	55279	Hs.591650	NM_018293	ENSG00000	ZNF654	-	zinc fing	protein-coding
chr5-1510	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	MER113|DN	14902	NM_001258	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr8-9450	5.889437	-0.20072	0.952159	-0.2108	0.833043	0.981636	chr8	94509750	94510261	+	0	NA	TTS (NM_1	TTS (NM_1	-34890	NM_001205	25788	Hs.30561	NM_006550	ENSG00000	RAD54B	RDH54	RAD54 hom	protein-coding
chr9-1597	8.751116	-0.17378	0.824451	-0.21078	0.83306	0.981636	chr9	15977	16176	+	0	NA	intron (N	intron (N	4089	NR_051986	1E+08	Hs.719844	NR_051986		DDX11L5	-	DEAD/H-bc	pseudo
chr2-1330	6.358752	-0.19587	0.930813	-0.21043	0.833334	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L2b|LINE|	168275	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr7-5317	11.14253	-0.1485	0.706536	-0.21018	0.833528	0.981636	chr7	5317942	5322638	+	0	NA	intron (N	intron (N	37347	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr1-4397	10.63207	-0.15094	0.718804	-0.20999	0.833678	0.981636	chr1	43976813	43977180	+	0	NA	intron (N	intron (N	2036	NM_001039	533	Hs.596514	NM_004047	ENSG00000	ATP6V0B	ATP6F|HAT	ATPase H+	protein-coding
chr2-1751	10.63207	-0.15094	0.718804	-0.20999	0.833678	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	exon (NM_	exon (NM_	3357	NM_001689	518	Hs.429	NM_001689	ENSG00000	ATP5MC3	ATP5G3|P3	ATP synth	protein-coding
chr4-1196	10.63207	-0.15094	0.718804	-0.20999	0.833678	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	Tigger18a	15850	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr7-5369	10.63207	-0.15094	0.718804	-0.20999	0.833678	0.981636	chr7	5369988	5370721	+	0	NA	intron (N	intron (N	53192	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinuclec	protein-coding
chr1-2645	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr1	26451138	26451766	+	0	NA	intron (N	intron (N	16085	NR_125953	1.02E+08	Hs.663256	NR_125952		LOC101928	-	uncharact	ncRNA
chr1-1668	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	18348	NM_053053	117143	Hs.435967	NM_053053	ENSG00000	TADA1	ADA1|HFI1	transcrip	protein-coding
chr10-176	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr10	17689837	17690606	+	0	NA	exon (NM_	exon (NM_	46070	NM_001324	8027	Hs.335391	NM_003473	ENSG00000	STAM	STAM-1|ST	signal tr	protein-coding
chr11-105	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	Intergeni	Intergeni	-3832	NM_033294	834	Hs.2490	NM_001223	ENSG00000	CASP1	ICE|IL1BC	caspase 1	protein-coding
chr12-507	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr12	50707749	50710306	+	0	NA	intron (N	intron (N	-55074	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-111	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	22550	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr14-497	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr14	49790907	49792082	+	0	NA	intron (N	AluSc|SIN	23341	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-748	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr14	74829662	74830272	+	0	NA	intron (N	L2|LINE|L	33867	NM_001080	283571	Hs.675293	NM_001080	ENSG00000	PROX2	PROX-2	prospero	protein-coding
chr15-672	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr15	67206731	67209780	+	0	NA	intron (N	intron (N	42100	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr17-660	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr17	6600134	6600893	+	0	NA	intron (N	intron (N	40198	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr17-375	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr17	37592043	37593237	+	0	NA	intron (N	L1MD1|LIN	16778	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr18-232	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr18	23242870	23244047	+	0	NA	intron (N	intron (N	87633	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr19-563	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr19	5630019	5630713	+	0	NA	intron (N	intron (N	7283	NM_002967	6294	Hs.728802	NM_002967	ENSG00000	SAFB	HAP|HET|S	scaffold	protein-coding
chr2-2415	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluJo|SIN	23017	NM_001164	51078	Hs.435759	NM_015963	ENSG00000	THAP4	CGI-36|NE	THAP doma	protein-coding
chr22-208	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr22	20810325	20811475	+	0	NA	intron (N	intron (N	36787	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|H	serpin fa	protein-coding
chr3-1275	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	non-codir	non-codir	3695	NR_106883	1.02E+08		NR_106883	ENSG00000	MIR6825	hsa-mir-6	microRNA	ncRNA
chr3-1849	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	118002	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr4-5259	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr4	52592638	52593599	+	0	NA	3' UTR (N	3' UTR (N	63421	NM_001134	64854	Hs.7966	NM_022832	ENSG00000	USP46	-	ubiquitir	protein-coding
chr5-1030	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr5	1.03E+08	1.03E+08	+	0	NA	non-codir	non-codir	89640	NR_134299	54826	Hs.24088	NM_017676	ENSG00000	GIN1	GIN-1|TGI	gypsy ret	protein-coding
chr6-4108	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr6	41088009	41089919	+	0	NA	intron (N	intron (N	8823	NM_001329	221443	Hs.227457	NM_145063	ENSG00000	OARD1	C6orf130|	O-acyl-AI	protein-coding
chr9-8934	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr9	89340719	89342257	+	0	NA	intron (N	intron (N	22637	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bir	protein-coding
chr9-1288	5.930577	-0.19733	0.940312	-0.20986	0.833781	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	5447	NM_016390	51490	Hs.224137	NM_016390	ENSG00000	SPOUT1	C9orf114|	SPOUT dom	protein-coding
chr19-240	11.6197	-0.14957	0.713029	-0.20977	0.833847	0.981636	chr19	24092333	24092637	+	0	NA	intron (N	AluJb|SIN	5298	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HI	zinc fing	protein-coding
chr20-944	5.46912	-0.20586	0.982188	-0.2096	0.833983	0.981636	chr20	9443467	9444280	+	0	NA	intron (N	intron (N	-70485	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr5-9378	5.46912	-0.20586	0.982188	-0.2096	0.833983	0.981636	chr5	9378742	9379623	+	0	NA	intron (N	intron (N	-132151	NR_109935	1.02E+08	Hs.675861	NR_109935	ENSG00000	SEMA5A-AS	CTD-2201I	SEMA5A ar	ncRNA
chr7-1055	5.46912	-0.20586	0.982188	-0.2096	0.833983	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	12051	NM_001355	1E+08	Hs.719432	NM_001355	ENSG00000	EFCAB10	-	EF-hand c	protein-coding
chr16-214	11.13467	-0.14724	0.703189	-0.20939	0.834141	0.981636	chr16	21445838	21449866	+	0	NA	intron (N	intron (N	-13397	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr3-1364	11.13467	-0.14724	0.703189	-0.20939	0.834141	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	LTR14B|LT	206860	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-1222	11.13467	-0.14724	0.703189	-0.20939	0.834141	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	101168	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-1516	11.13467	-0.14724	0.703189	-0.20939	0.834141	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-7703	NR_109873	1.02E+08	Hs.571023	NR_109873	ENSG00000	CLMAT3	CTB-113P1	colorecta	ncRNA
chr8-8375	11.13467	-0.14724	0.703189	-0.20939	0.834141	0.981636	chr8	8375337	8382448	+	0	NA	intron (N	(TAA)n|Si	7352	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr1-7792	9.683737	-0.16005	0.76439	-0.20939	0.834145	0.981636	chr1	77926677	77927476	+	0	NA	intron (N	AluSx|SIN	-37537	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr4-1593	10.59093	-0.15274	0.730444	-0.2091	0.834369	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	THE1A|LTF	54836	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr13-113	11.1661	-0.15247	0.730092	-0.20884	0.834576	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	L1ME1|LIN	2281	NM_001008	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr11-144	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr11	14456429	14469125	+	0	NA	intron (N	L2b|LINE|	37081	NM_016451	1315	Hs.339278	NM_016451	ENSG00000	COPB1	COPB	coatomer	protein-coding
chr12-644	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr12	64473570	64477759	+	0	NA	intron (N	L1PA17|LI	23544	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding

chr17-501	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr17	50184820	50186367	+	0	NA	exon (NM_	exon (NM_	-13117	NR_024192	373861	Hs.25934	NM_194072		HILS1	H1.9	histone l	pseudo
chr2-1128	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr2	11283688	11285710	+	0	NA	intron (N	L3|LINE|(	59937	NM_004850	9475	Hs.681743	NM_004850	ENSG00000	ROCK2	ROCK-II	Rho assoc	protein-coding
chr2-1890	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	L2c|LINE|	64413	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr3-1236	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	1648	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-1798	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJb|SIN	8982	NM_003900	8878	Hs.587290	NM_003900	ENSG00000	SQSTM1	A170|DMRV	sequestos	protein-coding
chr6-3152	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr6	31529764	31541049	+	0	NA	TTS (NR_C	TTS (NR_C	1043	NR_003140	692233		NR_003140	ENSG00000	SNORD117	U83	small nuc	snoRNA
chr7-2351	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr7	23512135	23522365	+	0	NA	intron (N	AluY|SINE	14731	NM_001362	29896	Hs.445652	NM_013293	ENSG00000	TRA2A	AWMS1|HSL	transform	protein-coding
chr9-9204	11.12681	-0.146	0.701939	-0.208	0.835232	0.981636	chr9	92041105	92045308	+	0	NA	intron (N	L2-3_Crp|	72207	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr17-424	6.407749	-0.19508	0.93792	-0.208	0.835233	0.981636	chr17	4241604	4242252	+	0	NA	intron (N	AluSc8|SI	21919	NM_001257	51479	Hs.696087	NM_016376	ENSG00000	ANKFY1	ANKHZN|BT	ankyrin r	protein-coding
chr3-5310	4.966524	-0.21934	1.05656	-0.2076	0.835543	0.981636	chr3	53109180	53109908	+	0	NA	intron (N	AluJr|SIN	20891	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr1-1990	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr1	19901624	19903051	+	0	NA	intron (N	AluY|SINE	19942	NM_015207	23252	Hs.374987	NM_015207	ENSG00000	OTUD3	DUBA4	OTU deubi	protein-coding
chr1-5425	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr1	54250660	54251690	+	0	NA	intron (N	MIRc|SINE	14732	NR_103541	619518	Hs.591438	NM_001034	ENSG00000	SSBP3-AS1	C1orf191|	SSBP3 ant	ncRNA
chr1-5967	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr1	59673414	59674106	+	0	NA	intron (N	intron (N	59536	NR_039861	1.01E+08		NR_039861	ENSG00000	MIR4711	-	microRNA	ncRNA
chr1-1100	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	Intergeni	Intergeni	13957	NM_006492	257	Hs.669953	NM_006492	ENSG00000	ALX3	FND|FND1	ALX homeo	protein-coding
chr10-923	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr10	92311070	92314311	+	0	NA	intron (N	Charlie25	21523	NM_017824	54708	Hs.573490	NM_017824	ENSG00000	5-Mar	MARCH-V|M	membrane	protein-coding
chr11-108	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSp|SIN	25111	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-878	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr12	878064	879400	+	0	NA	intron (N	intron (N	54344	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr12-625	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr12	62571474	62572226	+	0	NA	intron (N	intron (N	31584	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr12-110	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJo|SIN	61353	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr14-733	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr14	73352760	73353649	+	0	NA	intron (N	AluSp|SIN	105376	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endo	protein-coding
chr15-649	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr15	64977264	64978121	+	0	NA	intron (N	intron (N	11778	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr15-740	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr15	74014144	74016273	+	0	NA	intron (N	intron (N	20492	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr16-145	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr16	14580490	14581086	+	0	NA	intron (N	intron (N	49472	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr16-195	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr16	19528925	19530069	+	0	NA	intron (N	L1MC5a|LI	5555	NM_001199	9738	Hs.279912	NM_014711	ENSG00000	CCP110	CP110|Cep	centriola	protein-coding
chr16-281	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr16	28175379	28180980	+	0	NA	intron (N	intron (N	33786	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANB	exportin	protein-coding
chr16-483	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr16	48348165	48352991	+	0	NA	intron (N	HAL1ME|LI	15309	NM_001006	6477	Hs.706828	NM_003031	ENSG00000	SIAH1	SIAH1A	siah E3 u	protein-coding
chr17-624	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr17	62491912	62493252	+	0	NA	intron (N	AluSx1|SI	11469	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr17-724	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr17	72417722	72418465	+	0	NA	intron (N	intron (N	75282	NR_135222	146795	Hs.651743	NR_135222	ENSG00000	LINC02003	-	long inte	ncRNA
chr18-952	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr18	9523471	9525152	+	0	NA	intron (N	intron (N	48798	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIP	ralA bind	protein-coding
chr18-488	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr18	48803460	48804946	+	0	NA	intron (N	intron (N	133603	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr19-115	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr19	11553321	11553755	+	0	NA	3’ UTR (N	3’ UTR (N	1929	NM_001363	84337	Hs.631633	NM_032377	ENSG00000	ELOF1	ELF1	elongatio	protein-coding
chr2-4235	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr2	42350945	42352814	+	0	NA	intron (N	AluJb|SIN	8159	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CO	cytochrom	protein-coding
chr2-1125	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEf|LIN	-12669	NM_001304	84269	Hs.375707	NM_032309	ENSG00000	CHCHD5	C2orf9|CH	coiled-co	protein-coding
chr21-158	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr21	15874714	15877223	+	0	NA	intron (N	intron (N	145986	NM_001352	29761	Hs.743994	NM_013396	ENSG00000	USP25	USP21	ubiquitin	protein-coding
chr21-290	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr21	29035906	29036544	+	0	NA	intron (N	intron (N	11557	NM_006447	10600	Hs.99819	NM_006447	ENSG00000	USP16	UBP-M|UBP	ubiquitin	protein-coding
chr21-465	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr21	46505475	46507117	+	0	NA	intron (N	AluSz|SIN	43825	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr22-296	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr22	29648355	29649332	+	0	NA	intron (N	AluJb|SIN	45210	NM_181831	4771	Hs.187898	NM_000268	ENSG00000	NF2	ACN|BANF|	neurofibr	protein-coding
chr22-317	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr22	31737360	31740055	+	0	NA	exon (NM_	exon (NM_	11425	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr22-457	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr22	45749712	45751046	+	0	NA	intron (N	AluJb|SIN	-10145	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-6897	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr3	68976404	68976816	+	0	NA	non-codin	non-codin	37074	NR_103826	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr5-1371	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr5	13716912	13718507	+	0	NA	intron (N	intron (N	226771	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1374	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr5	13747331	13748890	+	0	NA	intron (N	L1PA5|LIN	196370	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3719	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr5	37192329	37194180	+	0	NA	intron (N	L1MC5|LIN	-55792	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-7394	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr5	73941365	73943814	+	0	NA	TTS (NM_C	TTS (NM_C	129043	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-1503	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	24924	NR_157074	972	Hs.436568	NM_004355	ENSG00000	CD74	DHLAG|HLA	CD74 mole	protein-coding
chr6-3547	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr6	35478720	35480921	+	0	NA	intron (N	intron (N	9312	NR_106961	1.02E+08		NR_106961	ENSG00000	MIR7111	hsa-mir-7	microRNA	ncRNA
chr6-5353	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr6	53539947	53542276	+	0	NA	intron (N	AluSq2|SI	3990	NM_001498	2729	Hs.654465	NM_001498	ENSG00000	GCLC	GCL|GCS|G	glutamate	protein-coding
chr7-2227	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr7	2227314	2227900	+	0	NA	intron (N	intron (N	5338	NM_001304	8379	Hs.654838	NM_003550	ENSG00000	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr8-5262	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chr8	52623455	52624560	+	0	NA	intron (N	intron (N	-58577	NM_207413	389658	Hs.527111	NM_207413	ENSG00000	ALKAL1	AUGA|AUGB	ALK and L	protein-coding
chrX-1558	5.922719	-0.19509	0.940246	-0.20749	0.835629	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	L1ME1|LIN	17951	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr13-945	6.392033	-0.19035	0.917846	-0.20738	0.835711	0.981636	chr13	94570865	94571320	+	0	NA	Intergeni	MSTA|LTR|	-21686	NM_001322	1638	Hs.301865	NM_001922	ENSG00000	DCT	TRP-2|TYR	dopachrom	protein-coding
chr9-1223	10.62422	-0.14961	0.723083	-0.2069	0.836087	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	8224	NM_001271	5742	Hs.201978	NM_000962	ENSG00000	PTGS1	COX1|COX3	prostagla	protein-coding
chr1-2191	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr1	21916750	21918303	+	0	NA	intron (N	intron (N	19784	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr1-4005	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr1	40055962	40057764	+	0	NA	intron (N	intron (N	16012	NM_001350	10487	Hs.370581	NM_006367	ENSG00000	CAP1	CAP|CAP1-	cyclase a	protein-coding
chr12-314	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr12	31450814	31452079	+	0	NA	3’ UTR (N	3’ UTR (N	-82145	NR_146469	1.02E+08	Hs.266041	NR_146469	ENSG00000	LINC02387	-	long inte	ncRNA
chr14-900	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr14	90011944	90012921	+	0	NA	intron (N	THE1-int|	-49562	NM_022054	56659	Hs.510191	NM_022054	ENSG00000	KCNK13	K2p13.1|T	potassium	protein-coding
chr14-965	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr14	96547650	96548370	+	0	NA	intron (N	intron (N	45145	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr15-656	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr15	65600280	65601444	+	0	NA	intron (N	intron (N	10269	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr17-289	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr17	28930438	28931099	+	0	NA	intron (N	intron (N	4493	NR_110803	1.02E+08	Hs.665702	NR_110803	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-681	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr17	68122062	68122684	+	0	NA	intron (N	AluSp|SIN	20818	NR_027418	1E+08	Hs.591212	NR_027418		LINC00674	-	long inte	ncRNA
chr2-1902	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSz6|SI	33827	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr21-418	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr21	41899952	41900448	+	0	NA	intron (N	AluY|SINE	-20718	NM_022115	63977	Hs.473893	NM_022115	ENSG00000	PRDM15	C21orf83|	PR/SET do	protein-coding
chr7-1385	5.461262	-0.20338	0.985142	-0.20645	0.836442	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	L2|LINE|L	92682	NM_001331	136306	Hs.99414	NM_174959	ENSG00000	SVOPL	-	SVOP like	protein-coding
chr14-501	5.881579	-0.19851	0.963196	-0.2061	0.836715	0.981636	chr14	50114227	50114659	+	0	NA	intron (N	intron (N	2129	NR_049739	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr6-1121	5.881579	-0.19851	0.963196	-0.2061	0.836715	0.981636	chr6	11214720	11215136	+	0	NA	intron (N	intron (N	17740	NM_182966	4739	Hs.37982	NM_006403	ENSG00000	NEDD9	CAS-L|CAS	neural pr	protein-coding
chr8-9478	5.881579	-0.19851	0.963196	-0.2061	0.836715	0.981636	chr8	94781399	94782337	+	0	NA	intron (N	L1MEd|LIN	-41419	NM_017864	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr10-578	11.11895	-0.14476	0.702763	-0.20599	0.836801	0.981636	chr10	5782705	5787146	+	0	NA	intron (N	L1PBa|LIN	28509	NM_001494	2665	Hs.299055	NM_001494	ENSG00000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr15-383	11.11895	-0.14476	0.702763	-0.20599	0.836801	0.981636	chr15	38326939	38327848	+	0	NA	intron (N	MLT1F1|LT	74557	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr17-294	11.11895	-0.14476	0.702763	-0.20599	0.836801	0.981636	chr17	29451768	29454590	+	0	NA	intron (N	AluY|SINE	62254	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAP	TAO kinas	protein-coding
chr17-596	11.11895	-0.14476	0.702763	-0.20599	0.836801	0.981636	chr17	59672721	59688355	+	0	NA	intron (N	intron (N	27060	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAP	peptidyl-	protein-coding
chr22-292	11.11895	-0.14476	0.702763	-0.20599	0.836801	0.981636	chr22	29271255	29280624	+	0	NA	intron (N	L1MD|LINE	7671	NM_005243	2130	Hs.374477	NM_005243	ENSG00000	EWSR1	EWS|EWS-F	EWS RNA b	protein-coding
chr15-619	10.12948	-0.15476	0.751793	-0.20586	0.8369	0.981636	chr15	61971353	61971552	+	0	NA	intron (N	AluSx1|SI	88995	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr15-309	9.230138	-0.16384	0.796476	-0.20571	0.837021	0.981636	chr15	30946535	30946760	+	0	NA	intron (N	intron (N	42732	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 an	protein-coding
chr1-2331	10.66536	-0.14781	0.718762	-0.20565	0.837067	0.981636	chr1	23310533	23313887	+	0	NA	intron (N	intron (N	-26692	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr14-241	10.66536	-0.14781	0.718762	-0.20565	0.837067	0.981636	chr14	24138648	24139818	+	0	NA	TTS (NM_C	TTS (NM_C	2358	NM_016049	51016	Hs.271614	NM_016049	ENSG00000	EMC9	C14orf122	ER membra	protein-coding
chr13-793	6.384175	-0.18819	0.915384	-0.20558	0.837118	0.981636	chr13	79333191	79333874	+	0	NA	intron (N	intron (N	72689	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr15-590	6.384175	-0.18819	0.915384	-0.20558	0.837118	0.981636	chr15	59063358	59064337	+	0	NA	intron (N	MIR3|SINE	-41299	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr6-1587	6.384175	-0.18819	0.915384	-0.20558	0.837118	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-6706	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chr2-3709	5.420123	-0.20678	1.007032	-0.20534	0.837306	0.981636	chr2	37094741	37094940	+	0	NA	intron (N	AluSz|SIN	10389	NM_001278	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch d	protein-coding
chr3-5661	5.420123	-0.20678	1.007032	-0.20534	0.837306	0.981636	chr3	56619067	56619708	+	0	NA	TTS (NM_C	TTS (NM_C	44659	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr5-9579	5.420123	-0.20678	1.007032	-0.20534	0.837306	0.981636	chr5	95796306	95797564	+	0	NA	TTS (NM_C	TTS (NM_C	25791	NM_002064	2745	Hs.28988	NM_002064	ENSG00000	GLRX	GRX|GRX1	glutaredo	protein-coding
chr5-9885	5.420123	-0.20678	1.007032	-0.20534	0.837306	0.981636	chr5	98855385	98856389	+	0	NA	non-codin	non-codin	70647	NM_001270	1105	Hs.643465	NM_001270	ENSG00000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr5-1500	11.57255	-0.142	0.693446	-0.20477	0.837753	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	36908	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr4-1867	11.62155	-0.14151	0.691279	-0.20471	0.8378	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	promoter-	promoter-	-401	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr11-520	17.34525	0.121516	0.594647	0.20435	0.83808	0.981636	chr11	52039343	52039613	+	0	NA	Intergeni	ALR/Alpha	1630331	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-2581	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr1	25813333	25814371	+	0	NA	intron (N	intron (N	-6054	NM_001099	56181	Hs.149305	NM_019557	ENSG00000	MTFR1L	FAM54B|HY	mitochond	protein-coding
chr1-5487	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr1	54870632	54871334	+	0	NA	intron (N	intron (N	16212	NM_014762	1718	Hs.498727	NM_014762	ENSG00000	DHCR24	DCE|NblaC	24-dehydr	protein-coding
chr1-5488	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr1	54881463	54882416	+	0	NA	intron (N	L1PA13|LI	5256	NM_014762	1718	Hs.498727	NM_014762	ENSG00000	DHCR24	DCE|NblaC	24-dehydr	protein-coding
chr10-121	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr10	12109019	12110608	+	0	NA	intron (N	AluJo|SIN	-19828	NR_024576	55176	Hs.112955	NM_018144	ENSG00000	SEC61A2	-	SEC61 tra	protein-coding
chr10-113	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	MIRc|SINE	13621	NM_001267	840	Hs.9216	NM_001227	ENSG00000	CASP7	CASP-7|CM	caspase 7	protein-coding
chr12-123	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	12239	NM_012463	23545	Hs.25786	NM_012463	ENSG00000	ATP6V0A2	A2|ARCL|A	ATPase H+	protein-coding
chr13-950	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr13	95085208	95085659	+	0	NA	intron (N	AluSx|SIN	-124911	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr13-102	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	AluYc|SIN	2784	NM_001204	1.01E+08	Hs.258429	NM_001204	ENSG00000	BIVM-ERCC	ERCC5-202	BIVM-ERCC	protein-coding
chr14-747	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr14	74795325	74796294	+	0	NA	intron (N	intron (N	32493	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr15-431	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr15	43136532	43137719	+	0	NA	intron (N	intron (N	3539	NM_024956	80021	Hs.511175	NM_024956	ENSG00000	TMEM62	-	transmemb	protein-coding
chr15-444	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr15	44459218	44461121	+	0	NA	intron (N	AluSc|SIN	32540	NM_016396	51496	Hs.497967	NM_016396	ENSG00000	CTDSPL2	HSPC058|H	CTD small	protein-coding
chr15-519	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr15	51964352	51965123	+	0	NA	intron (N	intron (N	7041	NM_001323	123169	Hs.567662	NM_138792	ENSG00000	LEO1	RDL	LEO1 homo	protein-coding
chr15-884	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr15	88472938	88474083	+	0	NA	TTS (NM_C	TTS (NM_C	5802	NM_176805	64963	Hs.111286	NM_022839	ENSG00000	MRPS11	HCC-2|MRP	mitochond	protein-coding
chr2-6507	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr2	65077312	65078703	+	0	NA	intron (N	intron (N	21591	NM_001319	23177	Hs.709257	NM_015147	ENSG00000	CEP68	KIAA0582	centrosom	protein-coding
chr2-1328	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PB1|LIN	-105411	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr20-328	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr20	32830389	32831771	+	0	NA	intron (N	intron (N	11126	NM_012325	22919	Hs.472437	NM_012325	ENSG00000	MAPRE1	EB1	microtubu	protein-coding
chr20-390	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr20	39022534	39025037	+	0	NA	intron (N	intron (N	61441	NM_001190	60625	Hs.444520	NM_021931	ENSG00000	DHX35	C20orf15|	DEAH-box	protein-coding
chr4-5423	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr4	54235404	54236074	+	0	NA	intron (N	intron (N	1779	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr4-5601	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr4	56012256	56012832	+	0	NA	intron (N	L1MB3|LIN	63599	NM_025009	9662	Hs.518767	NM_014645	ENSG00000	CEP135	CEP4|KIAA	centrosom	protein-coding
chr5-1388	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr5	13887731	13890729	+	0	NA	intron (N	intron (N	55250	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1192	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	48669	NR_049892	1.01E+08		NR_049892	ENSG00000	MIR5706	-	microRNA	ncRNA
chr5-1346	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSx|SIN	3678	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr6-7596	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr6	7596907	7597375	+	0	NA	intron (N	MIRc|SINE	6943	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr6-3059	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr6	30590537	30590736	+	0	NA	exon (NM_	exon (NM_	6304	NR_030615	1E+08		NR_030615	ENSG00000	MIR877	MIRN877|h	microRNA	ncRNA
chr6-3737	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr6	37371205	37372046	+	0	NA	intron (N	intron (N	17642	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr7-2280	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr7	228008	228773	+	0	NA	intron (N	intron (N	35819	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMP	FAM20C go	protein-coding
chr7-6003	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr7	6003504	6004206	+	0	NA	intron (N	intron (N	5194	NM_001322	5395	Hs.632637	NM_000535	ENSG00000	PMS2	HNPCC4|ML	PMS1 homo	protein-coding
chr7-1286	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11349	NM_001290	346653	Hs.445236	NM_001012	ENSG00000	FAM71F2	FAM137B	family wi	protein-coding
chr8-4781	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr8	47816176	47820856	+	0	NA	intron (N	AluY|SINE	-80352	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr8-4794	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr8	47947191	47947558	+	0	NA	intron (N	L2a|LINE|	12762	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-1405	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx|SIN	29731	NR_040712	54108	Hs.279704	NM_017444	ENSG00000	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr9-1906	5.914861	-0.19284	0.945474	-0.20396	0.838383	0.981636	chr9	19069269	19071058	+	0	NA	intron (N	intron (N	-6377	NR_003009	677776	Hs.689635	NR_003009	ENSG00000	SCARNA8	U92	small Ca	ncRNA
chr2-2153	6.343036	-0.19178	0.940406	-0.20393	0.838408	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	TTS (NM_C	TTS (NM_C	38007	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-353	11.61369	-0.1403	0.689104	-0.2036	0.838664	0.981636	chr20	35345729	35346861	+	0	NA	intron (N	LTR12B|LT	-53870	NM_178468	128876	Hs.592149	NM_178468	ENSG00000	FAM83C	C20orf128	family wi	protein-coding
chr15-484	11.1111	-0.14351	0.705684	-0.20336	0.838854	0.981636	chr15	48409691	48412790	+	0	NA	exon (NM_	exon (NM_	79043	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr7-1165	10.6575	-0.14649	0.720773	-0.20324	0.838951	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6251	NM_001206	858	Hs.212332	NM_001233	ENSG00000	CAV2	CAV	caveolin	protein-coding
chr1-1563	10.21176	-0.15097	0.74301	-0.20319	0.838987	0.981636	chr1	15630515	15630761	+	0	NA	intron (N	intron (N	13180	NM_032341	84301	Hs.718857	NM_032341	ENSG00000	DDI2	-	DNA damag	protein-coding
chr1-6703	6.376318	-0.18611	0.917656	-0.20281	0.839282	0.981636	chr1	67031621	67032029	+	0	NA	intron (N	intron (N	22323	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding

chr11-685	6.376318	-0.18611	0.917656	-0.20281	0.839282	0.981636	chr11	68576338	68580096	+	0	NA	intron (N	intron (N	-106327	NM_015973	51083	Hs.278959	NM_015973	ENSG00000	GAL	ETL8|GAL-	galanin a	protein-coding
chr20-327	6.376318	-0.18611	0.917656	-0.20281	0.839282	0.981636	chr20	3273453	3273918	+	0	NA	intron (N	MSTB|LTR|	-34495	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr10-124	5.963858	-0.19179	0.945789	-0.20278	0.839304	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	3711	NM_212554	399818	Hs.720819	NM_212554	ENSG00000	EEF1AKMT2	C10orf138	EEF1A lys	protein-coding
chr1-2344	4.230147	0.223664	1.10466	0.202473	0.839547	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	intron (N	32661	NM_005646	6894	Hs.498115	NM_005646	ENSG00000	TARBP1	TRM3|TRMT	TAR (HIV-	protein-coding
chr14-100	6.425315	-0.18516	0.916528	-0.20203	0.839895	0.981636	chr14	1E+08	1E+08	+	0	NA	intron (N	MIR|SINE|	4720	NM_004184	7453	Hs.497599	NM_004184	ENSG00000	WARS	GAMMA-2|H	tryptopha	protein-coding
chr15-228	6.425315	-0.18516	0.916528	-0.20203	0.839895	0.981636	chr15	22899867	22900386	+	0	NA	intron (N	MLT1C|LTR	17187	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr20-185	6.425315	-0.18516	0.916528	-0.20203	0.839895	0.981636	chr20	18528376	18529006	+	0	NA	intron (N	intron (N	20751	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr5-6484	6.425315	-0.18516	0.916528	-0.20203	0.839895	0.981636	chr5	64844868	64845670	+	0	NA	3' UTR (N	3' UTR (N	76339	NM_001364	10283	Hs.371372	NM_005869	ENSG00000	CWC27	NY-CO-10|	CWC27 spl	protein-coding
chr5-1798	6.425315	-0.18516	0.916528	-0.20203	0.839895	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	Charlie4a	6017	NM_001142	8878	Hs.587290	NM_003900	ENSG00000	SQSTM1	A170|DMRV	sequestos	protein-coding
chr1-2255	11.60583	-0.13911	0.688887	-0.20193	0.839969	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-78045	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr19-213	11.60583	-0.13911	0.688887	-0.20193	0.839969	0.981636	chr19	21375148	21380247	+	0	NA	3' UTR (N	3' UTR (N	18697	NM_001355	148203	Hs.124384	NM_001355	ENSG00000	ZNF738	-	zinc fing	protein-coding
chr3-1224	11.60583	-0.13911	0.688887	-0.20193	0.839969	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	21407	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr1-2645	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr1	26455750	26456659	+	0	NA	intron (N	intron (N	11333	NR_125953	1.02E+08	Hs.663256	NR_125952		LOC101928	-	uncharact	ncRNA
chr1-2403	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1M5|LINE	210748	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr3-1680	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	exon (NM_	exon (NM_	55076	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr5-7125	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr5	71257453	71258169	+	0	NA	intron (N	intron (N	1484	NR_033968	1E+08	Hs.665231	NR_033968		GUSBP9	-	GUSB pseu	pseudo
chr5-1389	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	42866	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr6-7203	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr6	7203515	7203931	+	0	NA	intron (N	intron (N	95762	NM_001003	6239	Hs.298248	NM_002955	ENSG00000	RREB1	FINB|HNT|	ras respo	protein-coding
chr7-8785	5.453404	-0.20075	0.994503	-0.20186	0.840028	0.981636	chr7	87858406	87859498	+	0	NA	intron (N	intron (N	17408	NM_018843	55972	Hs.208414	NM_018843	ENSG00000	SLC25A40	MCFP	solute ca	protein-coding
chr1-1800	11.15224	-0.14178	0.702598	-0.2018	0.840076	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	69406	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2098	11.15224	-0.14178	0.702598	-0.2018	0.840076	0.981636	chr1	2.1E+08	2.1E+08	+	0	NA	intron (N	MIR3|SINE	14866	NM_014388	27042	Hs.194754	NM_014388	ENSG00000	UTP25	C1orf107|	UTP25 sma	protein-coding
chr2-4636	11.15224	-0.14178	0.702598	-0.2018	0.840076	0.981636	chr2	46364789	46386977	+	0	NA	intron (N	intron (N	18284	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA
chr7-2658	4.718878	0.218058	1.081219	0.201678	0.840169	0.981636	chr7	2658754	2659526	+	0	NA	intron (N	intron (N	-20382	NM_133463	155185	Hs.42221	NM_133463	ENSG00000	AMZ1	-	archaelys	protein-coding
chr10-136	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr10	13699506	13700616	+	0	NA	intron (N	intron (N	7506	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr11-938	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr11	93813644	93815022	+	0	NA	3' UTR (N	3' UTR (N	30051	NM_004268	9440	Hs.444931	NM_004268	ENSG00000	MED17	CRSP6|CRS	mediator	protein-coding
chr12-875	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr12	8754702	8755348	+	0	NA	intron (N	AluSx1|SI	57034	NR_147949	57494	Hs.504670	NM_020734	ENSG00000	RIMKLB	FAM80B|NA	ribosomal	protein-coding
chr13-956	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr13	95613790	95614979	+	0	NA	intron (N	intron (N	30322	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr13-111	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1M1|LINE	17901	NM_001354	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr19-213	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr19	21365403	21366341	+	0	NA	intron (N	AluSz|SIN	6872	NM_001355	148203	Hs.124384	NM_001355	ENSG00000	ZNF738	-	zinc fing	protein-coding
chr19-488	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr19	48850710	48851932	+	0	NA	intron (N	intron (N	-14830	NM_016246	51171	Hs.18788	NM_016246	ENSG00000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chr19-556	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr19	55682123	55686688	+	0	NA	intron (N	intron (N	7780	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-2022	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluY|SINE	10065	NM_001005	7341	Hs.81424	NM_003352	ENSG00000	SUMO1	DAP1|GMP1	small ubi	protein-coding
chr3-1423	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	98322	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5'-3' exo	protein-coding
chr4-6767	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr4	67678783	67679388	+	0	NA	intron (N	L1MC5a|LI	22070	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr4-7694	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr4	76942513	76943338	+	0	NA	Intergeni	AluSx|SIN	-6827	NM_018243	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr7-6479	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr7	64798593	64799889	+	0	NA	exon (NM_	exon (NM_	4813	NM_001271	7697	Hs.184080	NM_006524	ENSG00000	ZNF138	pHZ-32	zinc fing	protein-coding
chr8-9000	5.956	-0.18957	0.940431	-0.20158	0.840245	0.981636	chr8	90005608	90006309	+	0	NA	intron (N	MSTB1|LTR	4481	NM_001359	1666	Hs.492212	NM_001359	ENSG00000	DECR1	DECR|NADP	2,4-dienc	protein-coding
chr1-3613	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr1	36138035	36138526	+	0	NA	intron (N	intron (N	11206	NM_014408	27095	Hs.523131	NM_014408	ENSG00000	TRAPPC3	BET3	trafficki	protein-coding
chr11-688	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr11	68830171	68830750	+	0	NA	intron (N	intron (N	11456	NM_001876	1374	Hs.503043	NM_001876	ENSG00000	CPT1A	CPT1|CPT1	carnitine	protein-coding
chr16-236	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr16	23648920	23649700	+	0	NA	intron (N	L1M2|LINE	7844	NM_032486	84516	Hs.435941	NM_032486	ENSG00000	DCTN5	-	dynactin	protein-coding
chr17-164	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr17	16420721	16421130	+	0	NA	intron (N	L1ME3G|LI	5354	NM_016113	51393	Hs.279746	NM_016113	ENSG00000	TRPV2	VRL|VRL-1	transient	protein-coding
chr17-620	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr17	62034290	62035926	+	0	NA	intron (N	AluSz|SIN	30170	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr19-164	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr19	16433265	16434859	+	0	NA	intron (N	intron (N	37908	NM_001258	58513	Hs.654639	NM_021235	ENSG00000	EPS15L1	EPS15R	epidermal	protein-coding
chr2-3203	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr2	32032685	32033700	+	0	NA	intron (N	AluSx1|SI	6613	NM_001321	84661	Hs.531788	NM_032574	ENSG00000	DPY30	Cps25|HDP	dpy-30 hi	protein-coding
chr2-1329	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	43957	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-1356	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-19415	NR_029672	406915		NR_029672	ENSG00000	MIR128-1	MIR128A|M	microRNA	ncRNA
chr2-1577	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	77793	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr3-1423	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSx1|SI	78142	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5'-3' exo	protein-coding
chr4-2670	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr4	26709782	26710450	+	0	NA	intron (N	L1PA4|LIN	126032	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr6-3285	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr6	32858374	32860746	+	0	NA	3' UTR (N	3' UTR (N	5368	NM_002800	5698	Hs.654585	NM_002800	ENSG00000	PSMB9	LMP2|PRAA	proteasom	protein-coding
chr6-1082	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	TTS (NM_0	TTS (NM_0	42836	NM_001286	7101	Hs.157688	NM_003269	ENSG00000	NR2E1	TLL|TLX|X	nuclear r	protein-coding
chr7-1787	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr7	17875012	17875402	+	0	NA	intron (N	AluJb|SIN	65287	NM_001350	23161	Hs.487648	NM_015132	ENSG00000	SNX13	RGS-PX1	sorting n	protein-coding
chr7-4412	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr7	44120091	44121526	+	0	NA	intron (N	THE1D|LTR	2700	NM_001256	5425	Hs.306791	NM_006230	ENSG00000	POLD2	-	DNA polym	protein-coding
chr7-1495	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	MER5B|DNA	44673	NR_027788	79970	Hs.520785	NM_024910	ENSG00000	ZNF767P	ZNF767	zinc fing	pseudo
chr8-6709	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr8	67091541	67092634	+	0	NA	intron (N	intron (N	8239	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-9004	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr8	90045075	90047228	+	0	NA	intron (N	L1PA5|LIN	36728	NM_004929	793	Hs.65425	NM_004929	ENSG00000	CALB1	CALB|D-28	calbindin	protein-coding
chr8-9929	6.417457	-0.18298	0.909101	-0.20127	0.840487	0.981636	chr8	99292873	99293735	+	0	NA	intron (N	L1PA2|LIN	243426	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr11-464	4.734593	0.211297	1.051681	0.200913	0.840766	0.981636	chr11	46416398	46417225	+	0	NA	intron (N	intron (N	-25143	NM_001366	1132	Hs.248100	NM_000741	ENSG00000	CHRM4	HM4|M4R	cholinerg	protein-coding
chr6-2961	5.231181	0.204548	1.02199	0.200147	0.841366	0.981636	chr6	29611681	29612200	+	0	NA	intron (N	intron (N	16288	NM_021903	2550	Hs.167017	NM_001470	ENSG00000	GABBR1	GABABR1|G	gamma-ami	protein-coding
chr13-524	5.873721	-0.19627	0.980991	-0.20007	0.841423	0.981636	chr13	52439087	52439626	+	0	NA	intron (N	intron (N	10888	NM_001282	51028	Hs.109520	NM_016075	ENSG00000	VPS36	C13orf9|C	vacuolar	protein-coding
chr6-1113	11.14438	-0.14053	0.703422	-0.19979	0.841649	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	-106766	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr12-895	11.59798	-0.13792	0.690628	-0.1997	0.841716	0.981636	chr12	89590849	89591255	+	0	NA	exon (NM_	exon (NM_	-64790	NM_001199	1.01E+08	Hs.25130	NM_001199	ENSG00000	POC1B-GAL	GALNT4|Ga	POC1B-GAL	protein-coding
chr10-101	5.239039	0.201463	1.009785	0.199511	0.841863	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MC5a|LI	-67433	NM_173197	30819	Hs.97044	NM_014591	ENSG00000	KCNIP2	KCHIP2	potassium	protein-coding
chr12-881	5.239039	0.201463	1.009785	0.199511	0.841863	0.981636	chr12	88172901	88175189	+	0	NA	intron (N	intron (N	31738	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr1-3169	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	31690812	31691930	+	0	NA	intron (N	intron (N	12646	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr1-3755	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	37550844	37552517	+	0	NA	intron (N	MLT1B|LTR	2613	NM_024700	79753	Hs.47232	NM_024700	ENSG00000	SNIP1	PML1|PMRE	Smad nucl	protein-coding
chr1-5472	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	54729277	54732769	+	0	NA	intron (N	L2c|LINE|	15162	NM_004623	7268	Hs.412482	NM_004623	ENSG00000	TTC4	CNS1	tetratric	protein-coding
chr1-1090	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME4a|LI	19842	NM_001142	22911	Hs.570055	NM_014969	ENSG00000	WDR47	-	WD repeat	protein-coding
chr1-1790	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	3' UTR (N	3' UTR (N	17475	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIR	torsin fa	protein-coding
chr1-2113	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	AluSz|SIN	-17688	NR_026761	84791	Hs.523932	NM_032705		LINC00467	C1orf97	long inte	ncRNA
chr10-149	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr10	14928537	14929471	+	0	NA	intron (N	AluSz|SIN	25092	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-500	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr10	50071513	50072451	+	0	NA	intron (N	AluSx1|SI	4028	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-690	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr10	69000979	69001972	+	0	NA	intron (N	AluSz|SIN	12672	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 binc	protein-coding
chr11-183	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr11	18340375	18342616	+	0	NA	intron (N	intron (N	18928	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr12-101	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-89716	NR_049838	1.01E+08		NR_049838	ENSG00000	MIR548AQ	-	microRNA	ncRNA
chr12-121	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	10529	NM_001330	51433	Hs.7101	NM_016237	ENSG00000	ANAPC5	APC5	anaphase	protein-coding
chr13-113	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	promoter-	promoter-	-908	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr14-100	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	60	NR_003199	767583		NR_003199	ENSG00000	SNORD114-	14q(II-7)	small nuc	snoRNA
chr15-902	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr15	90267802	90271210	+	0	NA	intron (N	L2|LINE|L	-3747	NR_102428	10519	Hs.715556	NM_006384	ENSG00000	CIB1	CIB|CIBP|	calcium a	protein-coding
chr16-889	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr16	8891121	8893007	+	0	NA	TTS (NM_0	TTS (NM_0	-23052	NM_001278	23589	Hs.632184	NM_014316	ENSG00000	CARHSP1	CRHSP-24|	calcium r	protein-coding
chr16-507	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr16	50754479	50756048	+	0	NA	intron (N	L1PB1|LIN	12958	NR_130462	1E+08		NR_130462	ENSG00000	MIR3181	-	microRNA	ncRNA
chr16-568	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr16	56836970	56838771	+	0	NA	intron (N	L1ME3Cz|L	-20648	NR_029680	406930		NR_029680	ENSG00000	MIR138-2	MIRN138-2	microRNA	ncRNA
chr16-886	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr16	88608477	88611214	+	0	NA	intron (N	AluSx1|SI	-28727	NM_013278	27189	Hs.278911	NM_013278	ENSG00000	IL17C	CX2|IL-17	interleuk	protein-coding
chr18-360	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr18	36037859	36038869	+	0	NA	intron (N	THE1C-int	29195	NM_001303	55197	Hs.464912	NM_018170	ENSG00000	RPRD1A	HsT3101|F	regulatio	protein-coding
chr2-8804	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr2	8804864	8806772	+	0	NA	intron (N	Tigger3a|	31795	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr2-3705	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr2	37052504	37053352	+	0	NA	intron (N	MER44C|DN	31444	NM_019024	54497	Hs.744084	NM_019024	ENSG00000	HEATR5B	-	HEAT repe	protein-coding
chr2-8576	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr2	85764271	85766889	+	0	NA	intron (N	intron (N	11589	NM_032827	84913	Hs.135569	NM_032827	ENSG00000	ATOH8	HATH6|bHL	atonal bH	protein-coding
chr2-9941	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr2	99413928	99419610	+	0	NA	intron (N	AluYc|SIN	73248	NM_016316	51455	Hs.443077	NM_016316	ENSG00000	REV1	AIBP80|RE	REV1 DNA	protein-coding
chr2-1351	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-5501	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr20-345	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr20	34518716	34521128	+	0	NA	intron (N	AluSz|SIN	3538	NM_014183	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr22-181	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr22	18162576	18164376	+	0	NA	intron (N	AluY|SINE	13306	NM_017414	11274	Hs.38260	NM_017414	ENSG00000	USP18	ISG43|PTC	ubiquitin	protein-coding
chr3-4439	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr3	44393002	44393267	+	0	NA	intron (N	intron (N	29803	NM_001351	1.03E+08	Hs.131918	NM_001351479		C3orf86	LINC00694	chromosom	protein-coding
chr3-5141	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr3	51415351	51417292	+	0	NA	intron (N	L2a|LINE|	25036	NM_013286	29890	Hs.118738	NM_013286	ENSG00000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr4-2509	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr4	2509829	2510703	+	0	NA	intron (N	intron (N	-25109	NM_001366	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-2641	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr4	26414917	26416171	+	0	NA	exon (NM_	exon (NM_	74940	NM_000730	886	Hs.129	NM_000730	ENSG00000	CCKAR	CCK-A|CCK	cholecyst	protein-coding
chr4-8473	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr4	84736968	84738224	+	0	NA	intron (N	intron (N	154469	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1837	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	Charlie10	44800	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr5-4481	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr5	44813398	44813970	+	0	NA	intron (N	intron (N	4737	NM_016640	10884	Hs.124165	NM_016640	ENSG00000	MRPS30	MRP-S30|F	mitochond	protein-coding
chr6-7226	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr6	7226814	7228858	+	0	NA	intron (N	AluSz|SIN	85363	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-8747	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr6	87478399	87479643	+	0	NA	intron (N	LTR10F|LT	6047	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMP	solute ca	protein-coding
chr6-1597	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	3' UTR (N	3' UTR (N	-6007	NM_005891	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Co	protein-coding
chr7-8416	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr7	84160596	84161082	+	0	NA	intron (N	AluSq2|SI	33950	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr7-9892	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr7	98923527	98924627	+	0	NA	intron (N	intron (N	42380	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1390	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	-19556	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr7-1405	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	33036	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr7-1572	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	98565	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr8-2540	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr8	25402625	25404208	+	0	NA	intron (N	MamRep189	20845	NM_001083	2796	Hs.82963	NM_000825	ENSG00000	GNRH1	GNRH|GRH|	gonadotro	protein-coding
chr8-5581	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr8	55811083	55812481	+	0	NA	intron (N	GA-rich|L	38336	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|P	trimethyl	protein-coding
chr8-6150	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr8	61505103	61506709	+	0	NA	intron (N	intron (N	183905	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr9-1116	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	Intergeni	L1M5|LINE	9736	NM_001017	2790	Hs.534196	NM_001017	ENSG00000	GNG10	-	G protein	protein-coding
chrX-1295	6.409599	-0.18086	0.906662	-0.19948	0.841884	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	47594	NM_001587	4952	Hs.126357	NM_000276	ENSG00000	OCRL	INPP5F|LO	OCRL inos	protein-coding
chr1-1700	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr1	17002837	17003253	+	0	NA	intron (N	intron (N	8883	NM_022089	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-3635	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr1	36353252	36355526	+	0	NA	exon (NM_	exon (NM_	-30235	NM_018166	55194	Hs.87016	NM_018166	ENSG00000	EVA1B	C1orf78|F	eva-1 hom	protein-coding
chr1-1139	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	5424	NM_181358	204851	Hs.532363	NM_152696	ENSG00000	HIPK1	Myak|Nbak	homeodoma	protein-coding
chr10-122	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr10	12249530	12251139	+	0	NA	exon (NM_	exon (NM_	54146	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr11-776	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr11	77678134	77679017	+	0	NA	intron (N	MLT1A0|LT	-40769	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr11-117	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	L1M5|LINE	19935	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-532	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr12	53253866	53254921	+	0	NA	TTS (NM_0	TTS (NM_0	2298	NM_032889	84975	Hs.654660	NM_032889	ENSG00000	MFSD5	hsMOT2	major fac	protein-coding
chr12-577	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr12	57780888	57781209	+	0	NA	3' UTR (N	3' UTR (N	-1697	NM_001172	10102	Hs.632704	NM_005726	ENSG00000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr14-311	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr14	31177329	31178313	+	0	NA	intron (N	intron (N	29972	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr15-282	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr15	28290629	28291397	+	0	NA	intron (N	L1ME2z|LI	31139	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr17-854	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr17	8544694	8545870	+	0	NA	intron (N	L2c|LINE|	85443	NM_001256	4628	Hs.16355	NM_005964	ENSG00000	MYH10	NMMHC-IIB	myosin he	protein-coding
chr17-285	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr17	28585038	28585648	+	0	NA	exon (NM_	exon (NM_	-8448	NM_005165	230	Hs.155247	NM_005165	ENSG00000	ALDOC	ALDC	aldolase,	protein-coding

chr17-590	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr17	59056447	59057471	+	0	NA	exon (NM_	exon (NM_	49921	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr18-123	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr18	12333738	12334060	+	0	NA	intron (N	MIR|SINE|	25658	NM_001303	84617	Hs.193491	NM_032525	ENSG00000	TUBB6	FPVEPD|Hs	tubulin b	protein-coding
chr2-1772	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	3660	NR_036075	1E+08		NR_036075	ENSG00000	MIR3128	mir-3128	microRNA	ncRNA
chr3-1125	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	10869	NM_001348	55032	Hs.237480	NM_017945	ENSG00000	SLC35A5	-	solute ca	protein-coding
chr4-4389	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr4	438972	440905	+	0	NA	TTS (NM_1	TTS (NM_1	34271	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr4-2503	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr4	2503934	2504886	+	0	NA	intron (N	L1M5|LINE	-30965	NM_001366	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-5318	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr4	53183117	53183595	+	0	NA	intron (N	L1PA4|LIN	182705	NM_152540	152579	Hs.302287	NM_152540	ENSG00000	SCFD2	STXBP1L1	sec1 fami	protein-coding
chr4-1222	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	56655	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-1313	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	L1PA4|LIN	73567	NM_001038	56990	Hs.508829	NM_020240	ENSG00000	CDC42SE2	SPEC2	CDC42 sma	protein-coding
chr6-1109	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr6	11096936	11097717	+	0	NA	intron (N	MLT1B|LTR	3492	NM_001135	221710	Hs.656600	NM_001135	ENSG00000	SMIM13	C6orf228	small int	protein-coding
chr6-8313	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr6	83135882	83137800	+	0	NA	intron (N	intron (N	56424	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr7-6597	5.948143	-0.18733	0.940364	-0.19921	0.842096	0.981636	chr7	65970432	65971011	+	0	NA	intron (N	AluY|SINE	11492	NM_001293	2990	Hs.255230	NM_000181	ENSG00000	GUSB	BG|MPS7	glucuroni	protein-coding
chr16-744	5.907003	-0.19054	0.956589	-0.19918	0.842119	0.981636	chr16	74451456	74452090	+	0	NA	non-codin	non-codin	-30303	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr6-1139	5.907003	-0.19054	0.956589	-0.19918	0.842119	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	-30600	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG00000	HDAC2-AS2	-	HDAC2 an	ncRNA
chr8-1334	5.907003	-0.19054	0.956589	-0.19918	0.842119	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	100917	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1131	5.907003	-0.19054	0.956589	-0.19918	0.842119	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	27202	NM_015258	23307	Hs.522351	NM_015258	ENSG00000	FKBP15	FKBP133|K	FKBP prol	protein-coding
chr4-7079	6.36846	-0.18408	0.924819	-0.19905	0.842224	0.981636	chr4	70798200	70798399	+	0	NA	intron (N	AluJo|SIN	41204	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr5-6602	6.36846	-0.18408	0.924819	-0.19905	0.842224	0.981636	chr5	66021068	66022006	+	0	NA	intron (N	intron (N	-75964	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr5-7856	6.36846	-0.18408	0.924819	-0.19905	0.842224	0.981636	chr5	78563419	78563618	+	0	NA	intron (N	AluSz|SIN	85254	NM_005779	10184	Hs.79299	NM_005779	ENSG00000	LHFPL2	-	LHFPL tet	protein-coding
chr5-1495	6.878914	-0.17776	0.893762	-0.19889	0.842349	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	16615	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr22-363	11.63912	-0.13626	0.688626	-0.19787	0.843145	0.981636	chr22	36303783	36324679	+	0	NA	exon (NM_	exon (NM_	-27324	NR_106877	1.02E+08		NR_106877	ENSG00000	MIR6819	hsa-mir-6	microRNA	ncRNA
chr10-102	6.871056	-0.17566	0.889338	-0.19752	0.843419	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSg|SIN	-48809	NM_001288	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr4-7308	6.871056	-0.17566	0.889338	-0.19752	0.843419	0.981636	chr4	73083630	73084270	+	0	NA	intron (N	(A)n|Simp	-14191	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr1-1556	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr1	15568857	15569979	+	0	NA	non-codin	non-codin	15633	NM_024758	79814	Hs.461532	NM_024758	ENSG00000	AGMAT	-	agmatinas	protein-coding
chr1-7573	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr1	75734519	75735690	+	0	NA	intron (N	AluSz|SIN	9909	NR_130749	1744	Hs.525459	NR_130749		DLSTP1	DLSTP	dihydroli	pseudo
chr1-2045	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	AluY|SINE	18819	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr1-2360	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	exon (NM_	exon (NM_	19505	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr10-934	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr10	93443043	93445001	+	0	NA	intron (N	intron (N	38312	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-976	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr10	97670576	97673730	+	0	NA	intron (N	AluSg|SIN	15088	NM_021732	60370	Hs.23918	NM_021732	ENSG00000	AVPI1	PP5395|VI	arginine	protein-coding
chr11-367	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr11	3672748	3674694	+	0	NA	Intergeni	AluY|SINE	-2337	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-736	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr11	73684512	73685312	+	0	NA	intron (N	intron (N	35999	NM_001130	58473	Hs.445489	NM_021200	ENSG00000	PLEKHB1	KPL1|PHR1	pleckstri	protein-coding
chr11-936	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr11	93669528	93672650	+	0	NA	intron (N	AluSx1|SI	9407	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr11-126	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSz|SIN	16097	NM_003139	6734	Hs.368376	NM_003139	ENSG00000	SRPRA	DP|SRPR|S	SRP recep	protein-coding
chr12-124	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	MLT1C|LTR	4110	NM_032656	57647	Hs.107382	NM_032656	ENSG00000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-499	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr13	49999295	50000433	+	0	NA	intron (N	MIR3|SINE	2822	NM_052811	10206	Hs.436922	NM_005798	ENSG00000	TRIM13	CAR|DLEU5	tripartit	protein-coding
chr14-694	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr14	69443793	69444796	+	0	NA	intron (N	Charlie4|	-40434	NM_001161	400224	Hs.509796	NM_001161	ENSG00000	PLEKHD1	UPF0639	pleckstri	protein-coding
chr14-100	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-503	NR_146000	79104	Hs.118101	NR_024149		MEG8	Bsr|Irm|I	maternall	ncRNA
chr15-798	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr15	79877000	79878730	+	0	NA	intron (N	L1M4a1|LI	19132	NR_037654	10588	Hs.194294	NM_006441	ENSG00000	MTHFS	HsT19268|	methenylt	protein-coding
chr17-381	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr17	3813743	3815304	+	0	NA	intron (N	intron (N	-13335	NM_002208	3682	Hs.513867	NM_002208	ENSG00000	ITGAE	CD103|HUM	integrin	protein-coding
chr18-361	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr18	36161620	36163146	+	0	NA	intron (N	L1ME1|LIN	25052	NR_134605	1.02E+08	Hs.600673	NR_134605	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-139	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr19	13998851	14000067	+	0	NA	intron (N	MER58B|DN	6861	NM_002918	5989	Hs.655215	NM_002918	ENSG00000	RFX1	EFC|RFX	regulator	protein-coding
chr19-172	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr19	17219541	17219811	+	0	NA	exon (NM_	exon (NM_	4319	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr2-9918	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr2	99189353	99190147	+	0	NA	intron (N	intron (N	8566	NR_028356	51263	Hs.346736	NM_016503	ENSG00000	MRPL30	L28MT|L3C	mitochond	protein-coding
chr2-1717	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	MLT1C|LTR	49415	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr20-113	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr20	1130626	1133417	+	0	NA	intron (N	L1MD|LINE	13419	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr22-316	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr22	31689721	31690717	+	0	NA	intron (N	AluSq2|SI	-27655	NM_001326	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr22-415	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr22	41575281	41577833	+	0	NA	TTS (NM_0	TTS (NM_0	13283	NM_002676	5372	Hs.75835	NM_002676	ENSG00000	PMM1	PMM 1|PMM	phosphoma	protein-coding
chr3-4789	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr3	47896719	47899253	+	0	NA	intron (N	intron (N	48431	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-1224	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MC|LINE	14582	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr5-1385	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr5	13858454	13860530	+	0	NA	exon (NM_	exon (NM_	84988	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-7704	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr5	77049334	77052417	+	0	NA	intron (N	L1ME3G|LI	20471	NM_018046	55109	Hs.634849	NM_018046	ENSG00000	AGGF1	GPATC7|GP	angiogeni	protein-coding
chr5-1379	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSz6|SI	-64479	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr5-1396	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	MIR|SINE|	-29567	NM_001317	51523	Hs.189119	NM_016463	ENSG00000	CXXC5	CF5|HSPC1	CXXC fing	protein-coding
chr5-1503	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	MIRb|SINE	2475	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr6-1600	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-17292	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr9-5737	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr9	5737807	5738699	+	0	NA	intron (N	L1ME3E|LI	94864	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-9592	6.401741	-0.17879	0.908907	-0.19671	0.844055	0.981636	chr9	95928070	95929735	+	0	NA	intron (N	intron (N	52894	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr12-570	11.18552	-0.13875	0.706987	-0.19625	0.844414	0.981636	chr12	57091882	57092945	+	0	NA	intron (N	intron (N	3299	NM_001330	4665	Hs.159223	NM_005967	ENSG00000	NAB2	MADER	NGFI-A bi	protein-coding
chr14-212	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr14	21207448	21217325	+	0	NA	intron (N	intron (N	-5486	NR_038971	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr17-503	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr17	50381142	50395816	+	0	NA	intron (N	AluJr|SIN	9044	NM_018509	55379	Hs.370927	NM_018509	ENSG00000	LRRC59	PRO1855|p	leucine r	protein-coding
chr18-458	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr18	45862527	45868063	+	0	NA	intron (N	intron (N	39620	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-572	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr19	57283801	57297302	+	0	NA	intron (N	AluSx1|SI	10066	NM_006635	10794	Hs.99971	NM_006635	ENSG00000	ZNF460	HZF8|ZNF2	zinc fing	protein-coding
chr3-1239	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MA7|LIN	-37542	NM_053027	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-8284	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr4	82840544	82858907	+	0	NA	intron (N	intron (N	41428	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AB	SEC31 hom	protein-coding
chr4-1688	11.63126	-0.13507	0.688409	-0.1962	0.84445	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	AluSc|SIN	63051	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr1-7327	12.08486	-0.13279	0.677569	-0.19598	0.844627	0.981636	chr1	732794	733226	+	0	NA	Intergeni	Intergeni	-2659	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr2-4780	12.08486	-0.13279	0.677569	-0.19598	0.844627	0.981636	chr2	47801817	47805561	+	0	NA	intron (N	intron (N	19734	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homo	protein-coding
chr17-310	5.445546	-0.19791	1.010856	-0.19579	0.844777	0.981636	chr17	31000694	31000992	+	0	NA	TTS (NM_0	TTS (NM_0	-7441	NM_001350	1.08E+08	Hs.558901	NM_001350575		LOC107984	-	uncharact	protein-coding
chr1-1549	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSz|SIN	2236	NM_001184	80308	Hs.118666	NM_025207	ENSG00000	FLAD1	FAD1|FADS	flavin ac	protein-coding
chr1-2123	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10362	NR_004389	692157	Hs.707958	NR_004389	ENSG00000	SNORA16B	U98b	small nuc	snoRNA
chr10-728	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr10	72869844	72870556	+	0	NA	intron (N	intron (N	-23539	NM_152635	170392	Hs.8366	NM_152635	ENSG00000	OIT3	LZP	oncoprote	protein-coding
chr10-102	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	Intergeni	AluY|SINE	13888	NM_003893	8861	Hs.454418	NM_003893	ENSG00000	LDB1	CLIM-2|CL	LIM domai	protein-coding
chr11-936	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr11	93689648	93693612	+	0	NA	intron (N	intron (N	-29884	NR_002569	619383	Hs.660668	NR_002569	ENSG00000	SCARNA9	Z32|mgU2-	small Caj	ncRNA
chr11-108	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	120326	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr18-356	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr18	35665595	35667937	+	0	NA	intron (N	intron (N	12197	NM_020474	2589	Hs.514806	NM_020474	ENSG00000	GALNT1	GALNAC-T1	polypepti	protein-coding
chr19-876	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr19	876942	877482	+	0	NA	intron (N	intron (N	15975	NM_005481	10025	Hs.365207	NM_005481	ENSG00000	MED16	DRIP92|TR	mediator	protein-coding
chr19-435	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr19	43588251	43589163	+	0	NA	3’ UTR (N	3’ UTR (N	7428	NM_001007	126298	Hs.6217	NM_001007	ENSG00000	IRGQ	FKSG27|IR	immunity	protein-coding
chr2-1122	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr2	11226624	11228133	+	0	NA	exon (NM_	exon (NM_	71911	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-1018	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	L1ME3B|LI	-101037	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr2-1710	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	Tigger2|D	66344	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr3-7284	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr3	72840116	72841856	+	0	NA	intron (N	intron (N	7459	NM_018130	55164	Hs.606584	NM_018130	ENSG00000	SHQ1	GRIM-1|SH	SHQ1, H/A	protein-coding
chr4-4195	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr4	41954244	41955042	+	0	NA	3’ UTR (N	3’ UTR (N	19214	NM_018126	55161	Hs.31082	NM_018126	ENSG00000	TMEM33	1600019D1	transmemb	protein-coding
chr4-8006	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr4	80062499	80063940	+	0	NA	intron (N	MIRb|SINE	10010	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr4-1218	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz|SIN	3749	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr4-1586	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	(TGTT)n|S	9209	NM_001281	2110	Hs.155729	NM_004453	ENSG00000	ETFDH	ETFQO|MAD	electron	protein-coding
chr5-7815	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr5	78157902	78158618	+	0	NA	intron (N	AluJb|SIN	136438	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr5-1131	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	125153	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr6-7905	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr6	79058304	79058894	+	0	NA	intron (N	MIR|SINE|	19655	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr6-1705	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8619	NM_001199	5134	Hs.367900	NM_002598	ENSG00000	PDCD2	RP8|ZMYND	programme	protein-coding
chr9-3403	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr9	34038491	34039265	+	0	NA	intron (N	SVA_C|Ret	10009	NR_163243	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr9-9261	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr9	92613030	92613935	+	0	NA	3’ UTR (N	3’ UTR (N	-4568	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr9-1326	5.940285	-0.18503	0.945591	-0.19567	0.844867	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	24896	NM_001322	64794	Hs.660767	NM_022779	ENSG00000	DDX31	PPP1R25	DEAD-box	protein-coding
chr11-354	4.196866	0.217161	1.110759	0.195507	0.844996	0.981636	chr11	35425618	35426499	+	0	NA	Intergeni	Intergeni	-6000	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr1-1029	6.863198	-0.17368	0.889218	-0.19531	0.845147	0.981636	chr1	10290932	10293698	+	0	NA	intron (N	intron (N	-6651	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr16-887	6.863198	-0.17368	0.889218	-0.19531	0.845147	0.981636	chr16	88740833	88741032	+	0	NA	non-codin	non-codin	-1835	NR_120387	339059	Hs.449817	NR_120387	ENSG00000	LOC339059	-	uncharact	ncRNA
chr6-1552	6.863198	-0.17368	0.889218	-0.19531	0.845147	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	L1ME3E|LI	22251	NM_016020	51106	Hs.279908	NM_016020	ENSG00000	TFB1M	CGI-75|CO	transcrip	protein-coding
chr9-1223	6.863198	-0.17368	0.889218	-0.19531	0.845147	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	-48203	NM_001271	5742	Hs.201978	NM_000962	ENSG00000	PTGS1	COX1|COX3	prostagla	protein-coding
chr5-4316	7.34037	-0.1741	0.891762	-0.19523	0.845214	0.981636	chr5	43161719	43162065	+	0	NA	exon (NM_	exon (NM_	-30333	NM_153361	167359	Hs.25845	NM_153361	ENSG00000	NIM1K	NIM1	NIM1 seri	protein-coding
chr10-101	5.486686	-0.19449	0.99709	-0.19506	0.845345	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	MIRb|SINE	86260	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr12-214	6.450739	-0.17789	0.913884	-0.19465	0.845666	0.981636	chr12	21462015	21463678	+	0	NA	exon (NM_	exon (NM_	24931	NM_001350	79912	Hs.709545	NM_024854	ENSG00000	PYROXD1	MFM8	pyridine	protein-coding
chr2-3222	6.450739	-0.17789	0.913884	-0.19465	0.845666	0.981636	chr2	32222889	32223748	+	0	NA	3’ UTR (N	3’ UTR (N	41568	NM_001199	58484	Hs.574741	NM_021209	ENSG00000	NLRC4	AIFEC|CAR	NLR famil	protein-coding
chr3-1490	6.450739	-0.17789	0.913884	-0.19465	0.845666	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSz6|SI	-2503	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr8-3055	6.458597	-0.18006	0.926468	-0.19435	0.845902	0.981636	chr8	30552264	30552679	+	0	NA	intron (N	intron (N	-86109	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr4-1246	4.701312	0.205428	1.057243	0.194305	0.845937	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (N	L2|LINE|L	15639	NM_020337	57182	Hs.480694	NM_020337	ENSG00000	ANKRD50	-	ankyrin r	protein-coding
chr11-310	6.768093	0.176739	0.91046	0.194121	0.846081	0.981636	chr11	3100075	3100743	+	0	NA	intron (N	MIRc|SINE	-42986	NM_001194	833	Hs.274873	NM_001751	ENSG00000	CARS	CARS1|CYS	cysteinyl	protein-coding
chr2-1310	7.272539	0.172387	0.888556	0.194008	0.84617	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	17155	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr2-3874	11.6234	-0.13387	0.690148	-0.19397	0.846203	0.981636	chr2	38743412	38750069	+	0	NA	exon (NM_	exon (NM_	4621	NM_001031	6432	Hs.309090	NM_006276	ENSG00000	SRSF7	9G8|AAG3|	serine ar	protein-coding
chr4-8285	11.6234	-0.13387	0.690148	-0.19397	0.846203	0.981636	chr4	82859782	82866723	+	0	NA	intron (N	intron (N	27901	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AB	SEC31 hom	protein-coding
chr9-7315	11.6234	-0.13387	0.690148	-0.19397	0.846203	0.981636	chr9	73158630	73171243	+	0	NA	intron (N	L2b|LINE|	13071	NM_000700	301	Hs.494173	NM_000700	ENSG00000	ANXA1	ANX1|LPC1	annexin A	protein-coding
chr19-111	12.126	-0.1312	0.676528	-0.19393	0.846232	0.981636	chr19	11191607	11194225	+	0	NA	exon (NM_	exon (NM_	1674	NM_015493	25959	Hs.284208	NM_015493	ENSG00000	KANK2	ANKRD25|M	KN motif	protein-coding
chr19-418	12.126	-0.1312	0.676528	-0.19393	0.846232	0.981636	chr19	41860775	41872022	+	0	NA	intron (N	intron (N	-3229	NR_106855	1.02E+08		NR_106855	ENSG00000	MIR6797	hsa-mir-6	microRNA	ncRNA
chr3-1018	12.126	-0.1312	0.676528	-0.19393	0.846232	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	6909	NM_031419	64332	Hs.319171	NM_031419	ENSG00000	NFKBIZ	IKBZ|INAP	NFKB inhi	protein-coding
chr1-1569	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	MER102c|D	-11163	NM_144702	149499	Hs.491734	NM_144702	ENSG00000	LRRC71	C1orf92	leucine r	protein-coding
chr11-122	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-41203	NM_019604	56253	Hs.159523	NM_019604	ENSG00000	CRTAM	CD355	cytotoxic	protein-coding
chr12-113	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13546	NM_006843	10993	Hs.439023	NM_006843	ENSG00000	SDS	SDH	serine de	protein-coding
chr14-739	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr14	73963048	73963821	+	0	NA	TTS (NM_1	TTS (NM_1	13132	NM_182476	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr17-517	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr17	517768	518396	+	0	NA	3’ UTR (N	3’ UTR (N	-72142	NM_182705	359845	Hs.345588	NM_182705	ENSG00000	RFLNB	CFM1|FAM1	refilin B	protein-coding
chr17-374	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr17	37469891	37471242	+	0	NA	intron (N	intron (N	-19325	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr19-175	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr19	17574576	17575908	+	0	NA	intron (N	AluY|SINE	19593	NM_024656	79709	Hs.418795	NM_024656	ENSG00000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr2-1209	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	192257	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr2-1280	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJb|SIN	8097	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr20-379	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr20	37995542	37996007	+	0	NA	intron (N	intron (N	37682	NM_001303	9675	Hs.655481	NM_014657	ENSG00000	TTI1	KIAA0406|	TELO2 int	protein-coding
chr5-1295	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1MA1|LIN	-55194	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA

chr7-133	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (	AluY|SIN	14014	NM_01781	54927	Hs.65501	NM_01781	ENSG0000	CHCHD3	MICOS19|	coiled-c	protein-coding
chr9-5657	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr9	5657464	5658103	+	0	NA	intron (	Cheshire|	28664	NM_00120	57589	Hs.21152	NM_02082	ENSG0000	RIC1	CIP150|KI	RIC1 hom	protein-coding
chr9-1284	6.442881	-0.17578	0.906479	-0.19392	0.846239	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	TTS (NM_	TTS (NM_	-8987	NM_00100	2733	Hs.52241	NM_00149	ENSG0000	GLE1	CAAHC|CA	GLE1 RNA	protein-coding
chr15-101	6.912195	-0.1729	0.892308	-0.19377	0.846358	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (	MLT1H1-i	26032	NM_152334	123283	Hs.65716	NM_152334	ENSG0000	TARSL2	-	threonyl-	protein-coding
chr18-362	4.693454	0.208742	1.077444	0.193738	0.846381	0.981636	chr18	36229896	36231586	+	0	NA	intron (	L1MB1|LI	43244	NM_017947	55034	Hs.40502	NM_017947	ENSG0000	MOCOS	HMCS|MCS|	molybden	protein-coding
chr6-3644	11.58226	-0.13549	0.700192	-0.19351	0.846559	0.981636	chr6	36448828	36449539	+	0	NA	intron (	LTR12|LT	6183	NM_17356	222658	Hs.188757	NM_17356	ENSG0000	KCTD20	C6orf69|	potassiu	protein-coding
chr1-1247	4.204724	0.21376	1.105168	0.193418	0.846631	0.981636	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3182870	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr13-112	6.904337	-0.17077	0.883429	-0.1933	0.846721	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	34194	NM_00632	10426	Hs.22415	NM_00632	ENSG0000	TUBGCP3	104p|ALP	tubulin	protein-coding
chr15-286	6.904337	-0.17077	0.883429	-0.1933	0.846721	0.981636	chr15	28651645	28652294	+	0	NA	Intergeni	MLT1C|LT	-2473	NR_03644	440248	Hs.53150	NM_19904	ENSG0000	HERC2P9	-	hect doma	pseudo
chr16-252	6.904337	-0.17077	0.883429	-0.1933	0.846721	0.981636	chr16	25248380	25249238	+	0	NA	intron (	L1MA7|LI	9036	NM_00101	342357	Hs.513451	NM_00101	ENSG0000	ZKSCAN2	ZNF694|Z	zinc fin	protein-coding
chr3-4905	6.904337	-0.17077	0.883429	-0.1933	0.846721	0.981636	chr3	49051767	49053037	+	0	NA	intron (	intron (	-23004	NM_000884	3615	Hs.65440	NM_000884	ENSG0000	IMPDH2	IMPD2|IM	inosine	protein-coding
chr9-1363	6.904337	-0.17077	0.883429	-0.1933	0.846721	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (	intron (	-3648	NM_00114	26086	Hs.23937	NM_015597	ENSG0000	GPSM1	AGS3	G protei	protein-coding
chr10-701	5.205758	0.196095	1.0151	0.193178	0.846819	0.981636	chr10	70116799	70117482	+	0	NA	intron (	intron (	15685	NM_032797	84883	Hs.65068	NM_032797	ENSG0000	AIFM2	AMID|PRG	apoptosis	protein-coding
chr17-350	5.899145	-0.18813	0.974261	-0.1931	0.846883	0.981636	chr17	35009661	35010173	+	0	NA	TTS (NM_	TTS (NM_	29405	NM_01397	3980	Hs.10029	NM_002311	ENSG0000	LIG3	LIG2|LIG	DNA liga	protein-coding
chr2-1903	4.70917	0.202312	1.048	0.193046	0.846923	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (	AluJr4|SI	12176	NM_01436	26275	Hs.65668	NM_01436	ENSG0000	HIBCH	HIBYLCOA	3-hydroxy	protein-coding
chr2-2187	4.70917	0.202312	1.048	0.193046	0.846923	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (	intron (	29009	NM_01464	9654	Hs.47140	NM_01464	ENSG0000	TTLL4	-	tubulin t	protein-coding
chr4-1358	4.70917	0.202312	1.048	0.193046	0.846923	0.981636	chr4	13582740	13584355	+	0	NA	intron (	Charlie7|	-35723	NR_01545	285548	Hs.529284	NR_015450		LINC0109	-	long inte	ncRNA
chr12-687	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr12	68700756	68701431	+	0	NA	intron (	intron (	14115	NM_020401	57122	Hs.524574	NM_020401	ENSG0000	NUP107	NPHS11|N	nucleopo	protein-coding
chr15-447	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr15	44731623	44732744	+	0	NA	non-codi	non-codi	3195	NR_12537	1E+08	Hs.489254	NR_125376		LOC10041	-	ring fin	pseudo
chr2-5532	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr2	55320073	55321506	+	0	NA	intron (	intron (	38470	NR_02725	344405	Hs.44529	NM_00108	ENSG0000	PRORSD1P	NCRNA0011	prolyl-t	pseudo
chr21-392	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr21	39216805	39217321	+	0	NA	intron (	(AT)n|Si	-33549	NM_20343	8624	Hs.47383	NM_00372	ENSG0000	PSMG1	C21LRP|D	proteaso	protein-coding
chr4-1767	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (	intron (	88542	NM_00542	7424	Hs.43521	NM_00542	ENSG0000	VEGFC	Flt4-L|L	vascular	protein-coding
chr4-1832	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	30958	NM_001111	53842	Hs.33317	NM_001111	ENSG0000	CLDN22	CLDN21	claudin	protein-coding
chr5-1130	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (	L1PA5|LI	103243	NM_152624	167227	Hs.44387	NM_152624	ENSG0000	DCP2	NUDT20	decappin	protein-coding
chr6-1780	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr6	17807707	17808147	+	0	NA	intron (	(AAC)n|Si	100884	NR_13461	1.05E+08	Hs.71870	NR_13461	ENSG0000	LOC105374	-	uncharact	ncRNA
chr6-1459	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (	intron (	22204	NM_17308	257218	Hs.723297	NM_17308	ENSG0000	SHPRH	bA545I5.	SNF2 hist	protein-coding
chr8-1279	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	17398	NR_03161	1E+08		NR_03161	ENSG0000	MIR1205	MIRN1205|	microRNA	ncRNA
chr8-1408	6.393883	-0.17671	0.916145	-0.19289	0.847046	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	L1PA13|LI	-81583	NR_02989	442893		NR_02989	ENSG0000	MIR151A	MIR151|M	microRNA	ncRNA
chr4-1682	6.466455	-0.18234	0.945505	-0.19285	0.847077	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (	(TATG)n|	44962	NM_017631	55601	Hs.59171	NM_017631	ENSG0000	DDX60	-	DExD/H-b	protein-coding
chr1-2360	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	intron (	intron (	48358	NM_00250	4811	Hs.356624	NM_00250	ENSG0000	NID1	NID	nidogen 1	protein-coding
chr11-122	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr11	12221683	12223439	+	0	NA	intron (	intron (	58878	NR_10673	1.02E+08		NR_10673	ENSG0000	MIR6124	hsa-mir-	microRNA	ncRNA
chr12-686	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr12	68697252	68698331	+	0	NA	intron (	AluSx1|SI	10813	NM_020401	57122	Hs.524574	NM_020401	ENSG0000	NUP107	NPHS11|N	nucleopo	protein-coding
chr13-950	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr13	95089750	95090523	+	0	NA	intron (	L1PB1|LI	-120208	NR_14573	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-102	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (	AluY|SIN	53020	NM_00134	122416	Hs.43294	NM_15232	ENSG0000	ANKRD9	-	ankyrin	protein-coding
chr15-446	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr15	44632961	44633883	+	0	NA	intron (	intron (	30240	NM_00116	80208	Hs.656271	NM_025137	ENSG0000	SPG11	ALS5|CMT	SPG11 ves	protein-coding
chr19-364	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr19	3643011	3644146	+	0	NA	intron (	intron (	-16763	NM_021231	58509	Hs.12842	NM_021231	ENSG0000	CACTIN	C19orf29|	cactin,	protein-coding
chr2-1179	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	64585	NM_019044	54520	Hs.10784	NM_019044	ENSG0000	CCDC93	-	coiled-c	protein-coding
chr2-1621	5.213616	0.193152	1.002969	0.19258	0.847288	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-21025	NM_002054	2641	Hs.516494	NM_002054	ENSG0000	GCG	GLP-1|GL	glucagon	protein-coding
chr12-574	12.11814	-0.13005	0.675388	-0.19255	0.847308	0.981636	chr12	57489146	57493144	+	0	NA	intron (	AluSq|SI	-2321	NM_00131	64333	Hs.43712	NM_03249	ENSG0000	ARHGAP9	10C|RGL1	Rho GTPa	protein-coding
chr18-420	6.85534	-0.17177	0.893403	-0.19226	0.847537	0.981636	chr18	42029848	42030047	+	0	NA	intron (	MIR|SINE|	74713	NM_002647	5289	Hs.464971	NM_002647	ENSG0000	PIK3C3	VPS34|Vp	phosphati	protein-coding
chr1-8382	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr1	8382168	8383737	+	0	NA	intron (	intron (	40880	NM_00104	473	Hs.463041	NM_01210	ENSG0000	RERE	ARG|ARP|	arginine-	protein-coding
chr1-2876	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr1	28765515	28766233	+	0	NA	intron (	L1MC4|LI	28934	NM_00117	51441	Hs.53228	NM_01625	ENSG0000	YTHDF2	CAHL|HGR	YTH N6-m	protein-coding
chr1-2237	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (	intron (	54524	NM_001031	7159	Hs.52396	NM_00542	ENSG0000	TP53BP2	53BP2|AS	tumor pr	protein-coding
chr10-186	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr10	18672855	18675724	+	0	NA	intron (	intron (	14858	NM_17881	221079	Hs.25362	NM_17881	ENSG0000	ARL5B	ARL8	ADP ribos	protein-coding
chr12-118	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	16885	NM_00134	51347	Hs.64442	NM_016281	ENSG0000	TAOK3	DPK|JIK|	TAO kina	protein-coding
chr13-113	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	-25445	NR_10704	1.02E+08		NR_10704	ENSG0000	MIR8075	hsa-mir-	microRNA	ncRNA
chr14-884	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr14	88469069	88470189	+	0	NA	exon (NM_	exon (NM_	83972	NM_01841	55812	Hs.52551	NM_01841	ENSG0000	SPATA7	HEL-S-29	spermato	protein-coding
chr15-251	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr15	25107184	25110326	+	0	NA	TTS (NR_	TTS (NR_	487	NR_04703	1.01E+08		NR_04703	ENSG0000	SNORD116-	HBII-85-	small nuc	snoRNA
chr15-504	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr15	50443126	50444349	+	0	NA	intron (	AluSx4|SI	19332	NM_00112	9101	Hs.443731	NM_005154	ENSG0000	USP8	HumORF8|	ubiquiti	protein-coding
chr15-651	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr15	65172217	65174245	+	0	NA	intron (	AluSx1|SI	12111	NM_00666	10845	Hs.11382	NM_00666	ENSG0000	CLPX	EPP2	caseinoly	protein-coding
chr15-753	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr15	75371680	75374085	+	0	NA	intron (	MER5B|DN	-4255	NM_00125	4123	Hs.26232	NM_00671	ENSG0000	MAN2C1	MAN6A8|M	mannosid	protein-coding
chr16-485	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr16	48546736	48548542	+	0	NA	intron (	MIR3|SIN	62541	NM_15302	9683	Hs.51183	NM_15302	ENSG0000	N4BP1	-	NEDD4 bi	protein-coding
chr16-567	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr16	56758997	56760671	+	0	NA	intron (	intron (	-21995	NM_00124	9688	Hs.27687	NM_01466	ENSG0000	NUP93	NIC96	nucleopo	protein-coding
chr17-423	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr17	4232989	4234479	+	0	NA	intron (	L2c|LINE|	30113	NM_001257	51479	Hs.696087	NM_01637	ENSG0000	ANKFY1	ANKHZN|B	ankyrin	protein-coding
chr17-286	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr17	28625737	28628108	+	0	NA	intron (	MER21B|L	-12737	NM_001174	124923	Hs.729077	NM_14461	ENSG0000	RSKR	SGK494	ribosomal	protein-coding
chr17-512	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr17	51267992	51270429	+	0	NA	intron (	AluJb|SI	8664	NM_016001	51096	Hs.709327	NM_016001	ENSG0000	UTP18	CGI-48|W	UTP18 sm	protein-coding
chr17-812	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr17	81250108	81251373	+	0	NA	TTS (NM_1	TTS (NM_1	10826	NR_14842	284184	Hs.35654	NM_00108	ENSG0000	NDUFAF8	C17orf89	NADH:ubi	protein-coding
chr18-575	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr18	57576008	57580161	+	0	NA	intron (	intron (	8618	NM_001371095								
chr19-232	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr19	2322897	2323305	+	0	NA	intron (	intron (	5485	NM_01619	51690	Hs.51261	NM_01619	ENSG0000	LSM7	YNL147W	LSM7 hom	protein-coding
chr2-8796	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	8796546	8798883	+	0	NA	intron (	intron (	39899	NM_00134	57498	Hs.9873	NM_02073	ENSG0000	KIDINS22	ARMS|SIN	kinase D	protein-coding
chr2-1993	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	19935428	19937842	+	0	NA	intron (	MLT1A1|L	-34652	NM_00100	130502	Hs.591547	NM_00100	ENSG0000	TTC32	-	tetratri	protein-coding
chr2-3705	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	37054748	37056306	+	0	NA	intron (	intron (	28845	NM_019024	54497	Hs.744084	NM_019024	ENSG0000	HEATR5B	-	HEAT rep	protein-coding
chr2-5524	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	55247960	55249421	+	0	NA	intron (	intron (	14526	NR_039624	1.01E+08		NR_039624	ENSG0000	MIR4426	-	microRNA	ncRNA
chr2-5535	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	55354165	55356837	+	0	NA	intron (	intron (	64355	NM_00136	55704	Hs.29292	NM_018084	ENSG0000	CCDC88A	APE|GIRD	coiled-c	protein-coding
chr2-6393	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	63931225	63934105	+	0	NA	intron (	L1PA7|LI	86763	NM_01651	51542	Hs.48499	NM_01651	ENSG0000	VPS54	HCC8|PPP1	VPS54 su	protein-coding
chr2-1012	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	-8052	NR_00307	692205	Hs.65650	NR_00307	ENSG0000	SNORD89	HBII-289	small nuc	snoRNA
chr20-331	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr20	3314911	3315906	+	0	NA	intron (	intron (	-76218	NM_001174	83959	Hs.105607	NM_032034	ENSG0000	SLC4A11	BTR1|CDP	solute c	protein-coding
chr21-374	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr21	37480354	37482782	+	0	NA	intron (	AluSx|SI	61269	NM_13043	1859	Hs.36824	NM_00139	ENSG0000	DYRK1A	DYRK|DYR	dual spe	protein-coding
chr3-3727	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr3	37274771	37275900	+	0	NA	intron (	Charlie17	-31140	NR_14902	152048	Hs.59617	NM_15253	ENSG0000	LOC15204	-	uncharact	ncRNA
chr3-1192	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (	AluSc8|SI	-5495	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG0000	B4GALT4-	-	B4GALT4	ncRNA
chr3-1254	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	non-codi	non-codi	43489	NM_003794	8723	Hs.50724	NM_003794	ENSG0000	SNX4	ATG24B	sorting	protein-coding
chr4-8245	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr4	82459123	82460732	+	0	NA	intron (	L1MC5|LI	29337	NM_021204	58478	Hs.18442	NM_021204	ENSG0000	ENOPH1	E1|MASA|	enolase-	protein-coding
chr4-1545	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr4	1.55E+08	1.55E+08	+	0	NA	intron (	intron (	12795	NM_00266	5356	Hs.24999	NM_00266	ENSG0000	PLRG1	Cwc1|PRL1	pleiotro	protein-coding
chr5-3735	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr5	37350158	37358137	+	0	NA	intron (	intron (	16959	NM_15348	9631	Hs.54769	NM_00429	ENSG0000	NUP155	ATFB15|N1	nucleopo	protein-coding
chr5-1764	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (	AluJb|SI	2238	NM_001364	1212	Hs.484241	NM_001834	ENSG0000	CLTB	LCB	clathrin	protein-coding
chr6-4222	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr6	42227996	42229072	+	0	NA	exon (NM_	exon (NM_	-10673	NM_018141	55173	Hs.380887	NM_018141	ENSG0000	MRPS10	MRP-S10|	mitochon	protein-coding
chr7-4752	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr7	47522228	47522865	+	0	NA	intron (	intron (	-57743	NR_14581	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-6730	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr7	67309540	67310950	+	0	NA	intron (	MIRb|SIN	7607	NR_04058	64940	Hs.63201	NM_02290	ENSG0000	STAG3L4	STAG3L4P	stromal	pseudo
chr7-1169	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (	intron (	44698	NM_00613	830	Hs.44612	NM_00613	ENSG0000	CAPZA2	CAPPA2|C	capping	protein-coding
chr9-3791	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr9	37917916	37919343	+	0	NA	3’ UTR (	3’ UTR (	-14276	NR_02487	92014	Hs.63412	NM_03341	ENSG0000	SLC25A51	CG7943|M	solute c	protein-coding
chr9-8933	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr9	89335033	89335586	+	0	NA	intron (	intron (	16458	NM_00128	79048	Hs.59804	NM_024077	ENSG0000	SECISBP2	SBP2	SECIS bi	protein-coding
chr9-9594	6.435023	-0.17371	0.904047	-0.19214	0.84763	0.981636	chr9	95941442	95941881	+	0	NA	intron (	intron (	65653	NM_00101	375748	Hs.432364	NM_020207	ENSG0000	ERCC6L2	BMFS2|C9	ERCC exci	protein-coding
chrX-5357	5.718062	0.185731	0.966994	0.19207	0.847687	0.981636	chrX	53574299	53575315	+	0	NA	intron (	intron (	-17533	NR_029484	406889		NR_029484	ENSG0000	MIRLET7F	LET7F2|M	microRNA	ncRNA
chr1-2820	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr1	28207140	28209670	+	0	NA	non-codi	non-codi	-14469	NM_001164	5724	Hs.77542	NM_00095	ENSG0000	PTAFR	PAFR	platelet	protein-coding
chr1-3544	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr1	35442516	35443715	+	0	NA	intron (	intron (	-77038	NR_04665	1.01E+08	Hs.585397	NR_04665	ENSG0000	ZMYM4-AS1	-	ZMYM4 an	ncRNA
chr13-113	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	10664	NM_00100	8451	Hs.33973	NM_00358	ENSG0000	CUL4A	-	cullin 4	protein-coding
chr15-989	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr15	98908103	98909615	+	0	NA	exon (NM_	exon (NM_	96797	NM_00110	145814	Hs.592021	NM_00110	ENSG0000	PGPEP1L	-	pyroglut	protein-coding
chr16-211	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr16	21161097	21163065	+	0	NA	intron (	AluSz|SI	-2640	NM_01753	55567	Hs.52650	NM_01753	ENSG0000	DNAH3	DNAHC3-B|	dynein a	protein-coding
chr16-307	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr16	30783126	30784484	+	0	NA	exon (NM_	exon (NM_	3400	NM_00134	23361	Hs.301094	NM_00108	ENSG0000	ZNF629	ZNF|ZNF6	zinc fin	protein-coding
chr19-796	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr19	7962676	7963756	+	0	NA	3’ UTR (	3’ UTR (	-19550	NM_006351	10469	Hs.465784	NM_006351	ENSG0000	TIMM44	TIM44	transloc	protein-coding
chr19-422	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr19	42271357	42272923	+	0	NA	exon (NM_	exon (NM_	3603	NM_001304	23152	Hs.38823	NM_01512	ENSG0000	CIC	MRD45	capicua t	protein-coding
chr2-9434	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr2	9434469	9438219	+	0	NA	exon (NM_	exon (NM_	12690	NM_016207	51692	Hs.51597	NM_016207	ENSG0000	CPSF3	CPSF-73|	cleavage	protein-coding
chr2-5552	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr2	55529104	55529795	+	0	NA	intron (	intron (	9854	NM_080667	112942	Hs.26420	NM_080667	ENSG0000	CFAP36	BARTL1|C	cilia an	protein-coding
chr2-2304	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	non-codi	non-codi	-12935	NM_00120	6672	Hs.36905	NM_00311	ENSG0000	SP100	lysp100b	SP100 nu	protein-coding
chr20-353	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr20	35350977	35352813	+	0	NA	intron (	intron (	-59470	NM_17846	128876	Hs.59214	NM_17846	ENSG0000	FAM83C	C20orf12	family wi	protein-coding
chr3-4927	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr3	49279185	49281608	+	0	NA	intron (	AluY|SIN	-3164	NM_19856	375341	Hs.40382	NM_19856	ENSG0000	C3orf62	-	chromoso	protein-coding
chr4-8471	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr4	84714706	84715646	+	0	NA	intron (	intron (	132049	NM_00126	1040	Hs.65489	NM_00126	ENSG0000	CDS1	CDS 1	CDP-diacy	protein-coding
chr5-3744	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr5	37443274	37443923	+	0	NA	intron (	AluSx|SI	64280	NM_00134	55100	Hs.21369	NM_018034	ENSG0000	WDR70	-	WD repeat	protein-coding
chr5-1282	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (	L2|LINE|L	200293	NM_00104	6558	Hs.16258	NM_00104	ENSG0000	SLC12A2	BSC|BSC2|	solute c	protein-coding
chr7-4734	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr7	47340385	47345972	+	0	NA	intron (	intron (	121625	NR_14581	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-1407	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	L2a|LINE|	-20298	NR_02989	442893		NR_02989	ENSG0000	MIR151A	MIR151|M	microRNA	ncRNA
chr9-1205	6.896479	-0.16874	0.879051	-0.19196	0.847774	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (	intron (	51011	NR_07355	55755	Hs.26956	NM_01824	ENSG0000	CDK5RAP2	C48|Cep21	CDK5 reg	protein-coding
chr1-2368	6.222508	0.179654	0.937606	0.191609	0.848048	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	3’ UTR (	3’ UTR (	102632	NM_001291	4548	Hs.498187	NM_000254	ENSG0000	MTR	HMAG|MS|	5-methylt	protein-coding
chr17-438	6.222508	0.179654	0.937606	0.191609	0.848048	0.981636	chr17	43827512	43827711	+	0	NA	intron (	intron (	5583	NR_14834	4356	Hs.39656	NM_00193	ENSG0000	MPP3	DLG3	membrane	protein-coding
chr5-1128	6.222508	0.179654	0.937606	0.191609	0.848048	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	3’ UTR (	3’ UTR (	25546	NM_00566	7905	Hs.42960	NM_00566	ENSG0000	REEP5	C5orf18|	receptor	protein-coding
chr10-119	11.61554	-0.13264	0.693885	-0.19115	0.848406	0.981636	chr10	11966013	11967324	+	0	NA	intron (	AluSp|SI	-71958	NR_03822	219731	Hs.576787	NR_03822	ENSG0000	PROSER2-	-	PROSER2	ncRNA
chr1-3165	5.932427	-0.1826	0.956699	-0.19086	0.848632	0.981636	chr1	31653782	31654666	+	0	NA	intron (	intron (	-9348	NR_03368	553115	Hs.470417	NM_01239	ENSG0000	PEF1	ABP32|PE	penta-EF-	protein-coding
chr10-101	5.932427	-0.1826	0.956699	-0.19086	0.848632	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (	AluY|SIN	25244	NM_02203	6468	Hs.50082	NM_02203	ENSG0000	FBXW4	DAC|FBW4|	F-box an	protein-coding
chr10-114	5.932427	-0.1826	0.956699	-0.19086	0.848632	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	intron (	L2c|LINE|	46902	NR_031747	1E+08		NR_031747	ENSG0000	MIR2110	hsa-mir-	microRNA	ncRNA
chr22-205	5.932427	-0.1826	0.956699	-0.19086	0.848632	0.981636	chr22	20518632	20519026	+	0	NA	intron (	intron (	10782	NM_00129	51586	Hs.517421	NM_01588	ENSG0000	MED15	ARC105|C	mediator	protein-coding
chr6-7905	5.932427	-0.1826	0.956699	-0.19086	0.848632	0.981636	chr6	79056849	79057078	+	0	NA	intron (	intron (	21291	NM_017934	55023	Hs.511817	NM_017934	ENSG0000	PHIP	BRWD2|DC	pleckstri	protein-coding
chr1-1553	6.230366	0.177111	0.928739	0.1907	0.84876	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (	intron (	-32558	NR_03028	693140		NR_03028	ENSG0000	MIR555	MIRN555|	microRNA	ncRNA
chr13-770	6.230366	0.177111	0.928739	0.1907	0.84876	0.981636	chr13	77079931	77080850	+	0	NA	intron (	intron (	4876	NR_04671	1.01E+08	Hs.56928	NR_04671	ENSG0000	MYCBP2-A	-	MYCBP2 a	ncRNA
chr22-240	6.230366	0.177111	0.928739	0.1907	0.84876	0.981636	chr22	24037573	24038761	+	0	NA	intron (	MER21C|L	26797	NM_00119	23523	Hs.51747	NM_01229	ENSG0000	CABIN1	CAIN|KB-	calcineu	protein-coding
chr6-2773	6.230366	0.177111	0.928739	0.1907	0.84876	0.981636	chr6	2773467	2775571	+	0	NA	intron (	MLT1B|LT	-4143	NM_001347	340156	Hs.12783	NM_00101	ENSG0000	MYLK4	SgK085	myosin li	protein-coding
chr13-495	5.72592	0.183088	0.960185	0.19068	0.848776	0.981636	chr13	49552862	49553572	+	0	NA	intron (	intron (	32341	NM_00135	55213	Hs.508021	NM_018191	ENSG0000	RCBTB1	CLLD7|CL	RCC1 and	protein-coding
chr19-103	5.72592	0.183088	0.960185	0.19068	0.848776	0.981636	chr19	10358072	10358705	+	0	NA	intron (	AluJb|SI	-18764	NM_00132	3385	Hs.65456	NM_00216	ENSG0000	ICAM3	CD50|CDW	intercell	protein-coding
chr19-240	5.72592	0.183088	0.960185	0.19068	0.848776	0.981636	chr19	24041425	24043358	+	0	NA	intron (	LTR12C|L	8942	NM_00127	9534	Hs.43440	NM_00487	ENSG0000	ZNF254	BMZF-5|H	zinc fin	protein-coding
chr2-1593	5.72592	0.183088	0.960185	0.19068	0.848776	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (	intron (	-86316	NM_00133	151525	Hs.20848	NM_15252	ENSG0000	WDSUB1	UBOX6|WD	WD repeat	protein-coding
chr12-534	12.11028	-0.1289	0.676088	-0.19066	0.848795	0.981636	chr12	53453253	53480575	+	0	NA	intron (	intron (	2446	NR_10982	1.02E+08		NR_10982	ENSG0000	PCBP2-OT1	TUC.338|	PCBP2 ov	ncRNA
chr12-893	12.11028	-0.1289	0.676088	-0.19066	0.848795	0.981636	chr12	89348409	89350986	+	0	NA	intron (	intron (	2804	NM_00194	1848	Hs.298654	NM_00194	ENSG0000	DUSP6	HH19|MKP	dual spe	protein-coding
chr10-122	7.239258	0.16803	0.88144	0.190632	0.848814	0.981636	chr10	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	-29070	NM_144587	118663	Hs.42246	NM_144587	ENSG0000	BTBD16	C10orf87	BTB doma	protein-coding
chr5-9887	6.719096	0.177353	0.930614	0.190576	0.848858	0.981636	chr5	98879100	98879661	+	0	NA	intron (	L1MCc|LI	47154	NM_00127	1105	Hs.64346	NM_00127	ENSG0000	CHD1	CHD-1|PI	chromodo	protein-coding

chr11-534	5.221474	0.190358	0.999142	0.190522	0.8489	0.981636	chr11	53408632	53409609	+	0	NA	Intergeni	ALR/Alpha	1194878	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr17-171	5.221474	0.190358	0.999142	0.190522	0.8489	0.981636	chr17	17133312	17134072	+	0	NA	intron (N	intron (N	72641	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr18-689	5.221474	0.190358	0.999142	0.190522	0.8489	0.981636	chr18	6897328	6898079	+	0	NA	intron (N	L1MD2|LIN	32166	NR_034100	400643	Hs.253920	NM_001103	ENSG00000	LINC00668	-	long inte	ncRNA
chr19-161	5.221474	0.190358	0.999142	0.190522	0.8489	0.981636	chr19	16125760	16126353	+	0	NA	intron (N	intron (N	-7972	NM_032855	84941	Hs.631617	NM_032855	ENSG00000	HSH2D	ALX|HSH2	hematopoi	protein-coding
chr10-804	5.478828	-0.19173	1.00639	-0.19052	0.848906	0.981636	chr10	80469490	80470627	+	0	NA	intron (N	MER2|DNA|	1795	NM_001351	81619	Hs.308615	NM_030927	ENSG00000	TSPAN14	DC-TM4F2|	tetraspar	protein-coding
chr19-444	5.478828	-0.19173	1.00639	-0.19052	0.848906	0.981636	chr19	44444901	44445415	+	0	NA	intron (N	L2a|LINE|	3314	NR_103551	7772	Hs.709348	NM_014518	ENSG00000	ZNF229	-	zinc fing	protein-coding
chr5-7222	5.478828	-0.19173	1.00639	-0.19052	0.848906	0.981636	chr5	72226151	72227131	+	0	NA	intron (N	L3b|LINE|	46854	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr13-110	4.717028	0.199274	1.047917	0.190162	0.849183	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	66336	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr2-2328	4.717028	0.199274	1.047917	0.190162	0.849183	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSx1|SI	-25324	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr5-7357	7.751562	0.162366	0.855223	0.189852	0.849425	0.981636	chr5	73577034	73578137	+	0	NA	intron (N	intron (N	11842	NM_032175	84135	Hs.406703	NM_032175	ENSG00000	UTP15	NET21	UTP15 sma	protein-coding
chr18-235	11.65668	-0.13101	0.690235	-0.1898	0.849465	0.981636	chr18	23566967	23567679	+	0	NA	intron (N	L1MC1|LIN	19183	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr5-1346	11.65668	-0.13101	0.690235	-0.1898	0.849465	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MB4|LIN	40357	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr1-1447	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	L1MEc|LIN	6841	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr10-965	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr10	96527962	96532440	+	0	NA	intron (N	intron (N	-16275	NM_012465	7093	Hs.154296	NM_012465	ENSG00000	TLL2	-	tolloid l	protein-coding
chr12-100	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	40992	NM_001286	121601	Hs.58785	NM_178826	ENSG00000	ANO4	TMEM16D	anoctamir	protein-coding
chr14-103	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	66564	NM_001128	4140	Hs.35828	NM_002376	ENSG00000	MARK3	CTAK1|KP7	microtubu	protein-coding
chr15-830	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr15	83054111	83056567	+	0	NA	intron (N	AluSz6|SI	11913	NM_001011	53339	Hs.459149	NM_025238	ENSG00000	BTBD1	C15orf1|N	BTB domai	protein-coding
chr16-289	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr16	2896908	2897644	+	0	NA	intron (N	intron (N	14061	NM_138439	114984	Hs.534525	NM_138439	ENSG00000	FLYWCH2	-	FLYWCH fa	protein-coding
chr16-564	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr16	56411756	56412986	+	0	NA	intron (N	intron (N	12618	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr17-302	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr17	30270171	30271106	+	0	NA	intron (N	intron (N	21306	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycir	protein-coding
chr17-308	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr17	30800070	30802228	+	0	NA	intron (N	AluJr|SIN	23543	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr20-137	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr20	13740737	13742172	+	0	NA	intron (N	L1ME3F|LI	43432	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C2C	ESF1 nucl	protein-coding
chr5-3495	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr5	34954041	34955064	+	0	NA	intron (N	intron (N	24959	NM_001348	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr6-3738	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr6	37386296	37386829	+	0	NA	intron (N	intron (N	32579	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr6-1079	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJb|SIN	36593	NM_007214	11231	Hs.26904	NM_007214	ENSG00000	SEC63	DNAJC23|F	SEC63 hom	protein-coding
chr8-3812	6.888621	-0.16678	0.878929	-0.18976	0.849498	0.981636	chr8	38123841	38125612	+	0	NA	intron (N	intron (N	18933	NM_001105	9070	Hs.521530	NM_004674	ENSG00000	ASH2L	ASH2|ASH2	ASH2 like	protein-coding
chr21-370	7.793969	-0.16981	0.895215	-0.18969	0.849554	0.981636	chr21	37089842	37090070	+	0	NA	intron (N	AluSx|SIN	7009	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr10-582	6.206792	0.185489	0.978134	0.189635	0.849595	0.981636	chr10	58233463	58233662	+	0	NA	intron (N	L1PA6|LIN	34332	NM_152230	253430	Hs.30280	NM_152230	ENSG00000	IPMK	-	inositol	protein-coding
chr1-1111	5.973566	-0.17943	0.947235	-0.18942	0.849762	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	18031	NM_024901	79961	Hs.557850	NM_024901	ENSG00000	DENND2D	-	DENN doma	protein-coding
chr10-350	5.973566	-0.17943	0.947235	-0.18942	0.849762	0.981636	chr10	35037239	35038381	+	0	NA	intron (N	AluSg|SIN	36473	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr12-116	5.973566	-0.17943	0.947235	-0.18942	0.849762	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSx|SIN	18046	NM_012174	26259	Hs.624537	NM_012174	ENSG00000	FBXW8	FBW6|FBW8	F-box anc	protein-coding
chr3-1839	5.973566	-0.17943	0.947235	-0.18942	0.849762	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	TTS (NM_	TTS (NM_	-23416	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG00000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr4-1437	5.973566	-0.17943	0.947235	-0.18942	0.849762	0.981636	chr4	143759	144303	+	0	NA	intron (N	MER51B|LT	15910	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr11-621	4.212582	0.210322	1.110405	0.18941	0.849771	0.981636	chr11	62128946	62129549	+	0	NA	intron (N	intron (N	5236	NM_001040	3619	Hs.142179	NM_020238	ENSG00000	INCENP	-	inner cer	protein-coding
chr1-2595	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr1	25959350	25961986	+	0	NA	3' UTR (N	3' UTR (N	37395	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr1-3334	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr1	33341708	33343342	+	0	NA	intron (N	intron (N	7374	NM_004427	1912	Hs.524271	NM_004427	ENSG00000	PHC2	EDR2|HPH2	polyhomec	protein-coding
chr1-6814	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr1	68145306	68146840	+	0	NA	intron (N	intron (N	37537	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-2008	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	-20827	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G proteir	protein-coding
chr1-2202	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSx4|SI	-1808	NR_001587	6791	Hs.654849	NR_001587		AURKAP1	AURKAPS1|	aurora ki	pseudo
chr10-313	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr10	31337862	31338688	+	0	NA	intron (N	MIR|SINE|	16615	NM_001323	6935	Hs.124503	NM_030751	ENSG00000	ZEB1	AREB6|BZF	zinc fing	protein-coding
chr11-411	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr11	4119509	4124038	+	0	NA	intron (N	intron (N	5695	NM_001330	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|F	ribonucle	protein-coding
chr11-112	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	7473	NM_001931	1737	Hs.335551	NM_001931	ENSG00000	DLAT	DLTA|E2|F	dihydroli	protein-coding
chr11-129	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	TTS (NM_	TTS (NM_	29219	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr12-296	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr12	29602091	29603284	+	0	NA	intron (N	intron (N	-102994	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr12-312	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr12	31295004	31295594	+	0	NA	exon (NM_	exon (NM_	-29017	NR_026806	79857	Hs.534485	NM_024799	ENSG00000	FLJ13224	-	uncharact	ncRNA
chr12-535	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr12	53511300	53512364	+	0	NA	TTS (NM_	TTS (NM_	-2152	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-962	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr12	96291446	96294694	+	0	NA	intron (N	Charlie1a	37572	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr14-750	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr14	75036891	75038453	+	0	NA	intron (N	FLAM_C|SI	13795	NM_014381	27030	Hs.436650	NM_014381	ENSG00000	MLH3	HNPCC7	mutL homc	protein-coding
chr14-918	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr14	91879554	91882053	+	0	NA	intron (N	AluSx|SIN	-13267	NM_001128	123036	Hs.510262	NM_152332	ENSG00000	TC2N	C14orf47|	tandem C2	protein-coding
chr15-658	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr15	65891322	65893121	+	0	NA	TTS (NM_	TTS (NM_	22730	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr15-664	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr15	66484888	66488766	+	0	NA	intron (N	intron (N	10207	NR_039737	1.01E+08		NR_039737	ENSG00000	MIR4512	-	microRNA	ncRNA
chr15-755	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr15	75500667	75502565	+	0	NA	intron (N	AluJo|SIN	-45801	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 trar	protein-coding
chr15-855	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr15	85579947	85581649	+	0	NA	exon (NM_	exon (NM_	-39152	NM_001270	11214	Hs.459211	NM_006738	ENSG00000	AKAP13	AKAP-13|A	A-kinase	protein-coding
chr16-500	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr16	50085376	50088894	+	0	NA	intron (N	L1ME4b|LI	21165	NM_001329	55027	Hs.733027	NM_017939	ENSG00000	HEATR3	SYO1	HEAT repe	protein-coding
chr17-369	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr17	36958379	36959199	+	0	NA	intron (N	L1MC5|LIN	9835	NM_012138	26574	Hs.195740	NM_012138	ENSG00000	AATF	BFR2|CHE-	apoptosis	protein-coding
chr17-592	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr17	59211700	59215055	+	0	NA	exon (NM_	exon (NM_	3367	NM_018149	55181	Hs.7296	NM_018149	ENSG00000	SMG8	C17orf71	SMG8 nons	protein-coding
chr17-661	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr17	66180387	66182819	+	0	NA	intron (N	AluYh3|SI	10289	NM_001302	201134	Hs.408676	NM_145036	ENSG00000	CEP112	CCDC46|MA	centrosom	protein-coding
chr17-671	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr17	67112201	67115133	+	0	NA	intron (N	intron (N	69113	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr18-107	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr18	10751566	10752662	+	0	NA	intron (N	intron (N	7535	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr19-240	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr19	24057088	24058462	+	0	NA	intron (N	intron (N	24326	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr19-477	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr19	47720393	47721678	+	0	NA	intron (N	intron (N	7613	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domair	protein-coding
chr2-6123	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr2	61233521	61236328	+	0	NA	intron (N	AluSz6|SI	57506	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-8646	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr2	86469672	86473226	+	0	NA	intron (N	intron (N	29988	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1125	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1PA5|LIN	-17248	NM_001137	84172	Hs.745127	NM_019014	ENSG00000	POLR1B	RPA135|RF	RNA polym	protein-coding
chr2-1874	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	TTS (NM_	TTS (NM_	-29758	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr2-2327	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	L3|LINE|C	11826	NM_002242	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr20-344	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr20	34470562	34472023	+	0	NA	intron (N	intron (N	4967	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-380	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr20	38080244	38081283	+	0	NA	intron (N	AluSx|SIN	47017	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatic	protein-coding
chr22-207	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr22	20757155	20759833	+	0	NA	intron (N	MER30|DNA	-15619	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|F	serpin fa	protein-coding
chr22-279	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr22	27900412	27902073	+	0	NA	intron (N	intron (N	17972	NM_001284	23760	Hs.705323	NM_012399	ENSG00000	PITPNB	PI-TP-bet	phosphati	protein-coding
chr3-3136	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr3	3136874	3137918	+	0	NA	exon (NM_	exon (NM_	10456	NR_159940	51095	Hs.732725	NM_016000	ENSG00000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr3-1423	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	exon (NM_	exon (NM_	67871	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5'-3' exc	protein-coding
chr3-1722	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	185244	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth hc	protein-coding
chr3-1936	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	-20636	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG00000	OPA1-AS1	-	OPA1 anti	ncRNA
chr4-2457	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr4	24579773	24581208	+	0	NA	intron (N	intron (N	4064	NM_001358	1665	Hs.696074	NM_001358	ENSG00000	DHX15	DBP1|DDX1	DEAH-box	protein-coding
chr4-7579	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr4	75792396	75795276	+	0	NA	exon (NM_	exon (NM_	69314	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-1056	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	19365	NM_020395	57117	Hs.480454	NM_020395	ENSG00000	INTS12	INT12|PHF	integratc	protein-coding
chr4-1593	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	47105	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr4-1854	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	non-codir	non-codir	12195	NM_018359	55325	Hs.713548	NM_018359	ENSG00000	UFSP2	BHD|C4orf	UFM1 spec	protein-coding
chr5-3619	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr5	36195744	36197570	+	0	NA	intron (N	L1ME3A|LI	44546	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr5-1405	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSp|SIN	-10783	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-7212	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr6	7212925	7214470	+	0	NA	intron (N	intron (N	99502	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-3591	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr6	35912283	35916373	+	0	NA	intron (N	L1ME4b|LI	6770	NM_003137	6732	Hs.443861	NM_003137	ENSG00000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr6-3689	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr6	36894462	36895836	+	0	NA	intron (N	intron (N	9197	NM_001286	221477	Hs.433381	NM_152734	ENSG00000	C6orf89	BRAP|PS1T	chromosom	protein-coding
chr6-7566	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr6	75668596	75670731	+	0	NA	intron (N	intron (N	67783	NM_015571	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSF	SUMO spec	protein-coding
chr6-1252	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	L1PA7|LIN	18925	NM_016063	51020	Hs.32826	NM_016063	ENSG00000	HDDC2	C6orf74|C	HD domair	protein-coding
chr7-2783	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr7	27832866	27833561	+	0	NA	intron (N	intron (N	93118	NM_001079	8887	Hs.34576	NM_006024	ENSG00000	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr8-1335	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	MER6A|DNA	12669	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr8-1406	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-32975	NM_012154	27161	Hs.660189	NM_012154	ENSG00000	AGO2	CASC7|EIF	argonaute	protein-coding
chr8-1408	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJr|SIN	-128497	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-9265	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr9	92658078	92658370	+	0	NA	intron (N	intron (N	11907	NM_022755	64768	Hs.459896	NM_022755	ENSG00000	IPPK	C9orf12|I	inositol-	protein-coding
chr9-1119	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJb|SIN	3865	NM_003358	7357	Hs.304249	NM_003358	ENSG00000	UGCG	GCS|GLCT1	UDP-gluco	protein-coding
chr9-1236	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-179827	NR_106972	1.02E+08		NR_106972	ENSG00000	MIR7150	hsa-mir-7	microRNA	ncRNA
chrX-5356	6.427165	-0.17162	0.906283	-0.18936	0.849808	0.981636	chrX	53560042	53561456	+	0	NA	intron (N	L2c|LINE|	-3475	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr9-1311	6.74267	0.169854	0.897746	0.189201	0.849936	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	promoter-	promoter-	-389	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr4-1867	12.60502	-0.12543	0.664083	-0.18888	0.850183	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	exon (NM_	exon (NM_	15669	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDF	FAT atypi	protein-coding
chr13-276	12.15928	-0.12845	0.680215	-0.18884	0.85022	0.981636	chr13	27648910	27651229	+	0	NA	intron (N	MER77B|LT	28177	NM_152705	51082	Hs.507584	NM_015972	ENSG00000	POLR1D	AC19|POLF	RNA polym	protein-coding
chr12-114	6.238224	0.174719	0.925768	0.188729	0.850305	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	3313	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr6-4304	6.238224	0.174719	0.925768	0.188729	0.850305	0.981636	chr6	43046909	43047706	+	0	NA	intron (N	intron (N	6638	NM_001168	9820	Hs.520136	NM_014780	ENSG00000	CUL7	3M1|CUL-7	cullin 7	protein-coding
chr9-1368	6.238224	0.174719	0.925768	0.188729	0.850305	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	-5802	NR_036251	1E+08		NR_036251	ENSG00000	MIR4292	-	microRNA	ncRNA
chr4-1095	7.350078	-0.163	0.865561	-0.18832	0.850628	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	Charlie15	19343	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr5-1296	7.350078	-0.163	0.865561	-0.18832	0.850628	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-87609	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr8-6152	5.733778	0.180564	0.96022	0.188045	0.850842	0.981636	chr8	61525301	61526157	+	0	NA	intron (N	intron (N	164082	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr22-219	6.386025	-0.1746	0.928592	-0.18802	0.85086	0.981636	chr22	21928008	21928339	+	0	NA	intron (N	intron (N	-10064	NR_147620	1E+08	Hs.659180	NR_147620		LOC100286	-	uncharact	ncRNA
chr6-2487	6.386025	-0.1746	0.928592	-0.18802	0.85086	0.981636	chr6	24877353	24877731	+	0	NA	promoter-	promoter-	-177	NM_001286	9750	Hs.559459	NM_014722	ENSG00000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr1-1520	12.15142	-0.12731	0.677214	-0.18799	0.850885	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	TTS (NM_	TTS (NM_	4549	NM_005620	6282	Hs.417004	NM_005620	ENSG00000	S100A11	HEL-S-43|	S100 calc	protein-coding
chr8-2536	12.15142	-0.12731	0.677214	-0.18799	0.850885	0.981636	chr8	25366838	25367695	+	0	NA	intron (N	intron (N	-5754	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr12-572	7.254974	0.163684	0.872331	0.18764	0.851159	0.981636	chr12	57297109	57297942	+	0	NA	intron (N	intron (N	44249	NM_001351	22864	Hs.443673	NM_014925	ENSG00000	R3HDM2	CAG6|PRO1	R3H domai	protein-coding
chr5-1504	12.59716	-0.12433	0.66386	-0.18728	0.851442	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	3976	NM_005617	6208	Hs.744846	NM_005617	ENSG00000	RPS14	EMTB|S14	ribosomal	protein-coding
chr6-1485	12.59716	-0.12433	0.66386	-0.18728	0.851442	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	11042	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUF	SAM and S	protein-coding
chr5-5304	6.937619	-0.16604	0.887466	-0.1871	0.851583	0.981636	chr5	53042379	53042938	+	0	NA	intron (N	Tigger19a	53306	NR_073104	3673	Hs.482077	NM_002203	ENSG00000	ITGA2	BR|CD49B|	integrin	protein-coding
chr7-5661	6.937619	-0.16604	0.887466	-0.1871	0.851583	0.981636	chr7	5661194	5662636	+	0	NA	TTS (NR_	TTS (NR_	18546	NR_046834	1.01E+08	Hs.665728	NR_046834	ENSG00000	RNF216-IT	-	RNF216 ir	ncRNA
chr16-482	5.229332	0.187624	1.002938	0.187074	0.851603	0.981636	chr16	48288484	48290073	+	0	NA	intron (N	MER4A1|LT	-41739	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr17-421	5.229332	0.187624	1.002938	0.187074	0.851603	0.981636	chr17	42136377	42137204	+	0	NA	intron (N	MIR3|SINE	13986	NM_033194	94086	Hs.620611	NM_033194	ENSG00000	HSPB9	CT51	heat shoc	protein-coding
chr19-144	6.750528	0.167678	0.897851	0.186755	0.851853	0.981636	chr19	14412133	14412898	+	0	NA	intron (N	intron (N	6826	NM_005804	10212	Hs.311609	NM_005804	ENSG00000	DDX39A	BAT1|BAT1	DExD-box	protein-coding
chr1-1122	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr1	11227673	11228098	+	0	NA	intron (N	L1MC4|LIN	34666	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAF	mechanist	protein-coding
chr10-499	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr10	49991823	49993150	+	0	NA	intron (N	intron (N	4168	NM_001077	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr11-682	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr11	68263254	68263995	+	0	NA	intron (N	intron (N	8349	NM_022338	53838	Hs.303025	NM_022338	ENSG00000	C11orf24	DM4E3	chromosom	protein-coding
chr15-230	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr15	23016686	23018292	+	0	NA	intron (N	intron (N	22080	NM_001354	114791	Hs.533898	NM_052903	ENSG00000	TUBGCP5	GCP5	tubulin g	protein-coding
chr2-1179	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	MIRb|SINE	78886	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr3-1386	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	L1MB8|LIN	31738	NM_001256	5291	Hs.239818	NM_006219	ENSG00000	PIK3CB	P110BETA|	phosphati	protein-coding
chr4-5541	6.880764	-0.16486	0.883065	-0.18669	0.851903	0.981636	chr4	55413097	55414651	+	0	NA	intron (N	intron (N	17917	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr5-6938	9.75178	0.145992	0.782083	0.186671	0.851918	0.981636	chr5	69381961	69382292	+	0	NA	intron (N	intron (N	10672	NM_133339	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding

chr1-2307	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr1	23070812	23071481	+	0	NA	intron (N	intron (N	26841	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr1-3231	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr1	32319665	32320711	+	0	NA	intron (N	AluY|SINE	16045	NM_023009	65108	Hs.75061	NM_023009	ENSG00000	MARCKSL1	F52|MACMA	MARCKS li	protein-coding
chr12-111	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-29958	NM_000690	217	Hs.604551	NM_000690	ENSG00000	ALDH2	ALDH-E2|A	aldehyde	protein-coding
chr16-318	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr16	31898153	31900498	+	0	NA	intron (N	L1P1|LINE	25518	NM_003414	10308	Hs.460645	NM_003414	ENSG00000	ZNF267	HZF2	zinc fing	protein-coding
chr19-161	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr19	1618921	1619720	+	0	NA	exon (NM_	exon (NM_	-13858	NM_006830	10975	Hs.8372	NM_006830	ENSG00000	UQCR11	0710008D0	ubiquinol	protein-coding
chr19-468	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr19	4685202	4686699	+	0	NA	TTS (NM_0	TTS (NM_0	6668	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr19-381	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr19	38110809	38114502	+	0	NA	intron (N	L1ME3Cz|L	-50441	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr2-8778	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr2	8778591	8779531	+	0	NA	exon (NM_	exon (NM_	58552	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINO	kinase D	protein-coding
chr2-1572	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	L1PA6|LIN	21916	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr2-1577	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	72162	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr2-2304	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	19496	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr2-2399	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	Tigger3b|	25324	NR_136157	4705	Hs.277677	NM_004544	ENSG00000	NDUFA10	CI-42KD|C	NADH:ubiq	protein-coding
chr3-5663	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr3	56639236	56641114	+	0	NA	intron (N	intron (N	23871	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr4-3911	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr4	39115919	39119586	+	0	NA	intron (N	intron (N	55520	NM_199039	51088	Hs.272251	NM_015990	ENSG00000	KLHL5	-	kelch lik	protein-coding
chr5-3889	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr5	38895316	38896744	+	0	NA	intron (N	L1M1|LINE	50018	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-1265	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx1|SI	43869	NM_001201	501	Hs.483239	NM_001182	ENSG00000	ALDH7A1	ATQ1|EPD|	aldehyde	protein-coding
chr7-6601	6.929761	-0.16401	0.878632	-0.18667	0.851921	0.981636	chr7	6601972	6603423	+	0	NA	intron (N	MIRc|SINE	12676	NM_001303	79034	Hs.487511	NM_024067	ENSG00000	C7orf26	-	chromosom	protein-coding
chr11-666	6.945477	-0.16817	0.901332	-0.18658	0.851988	0.981636	chr11	66633587	66634280	+	0	NA	intron (N	AluSp|SIN	-4684	NM_002896	5936	Hs.523822	NM_002896	ENSG00000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr11-296	5.965708	-0.17704	0.9525	-0.18587	0.852544	0.981636	chr11	2962252	2963135	+	0	NA	intron (N	intron (N	1200	NR_002982	677833	Hs.689696	NR_002982	ENSG00000	SNORA54	ACA54	small nuc	snoRNA
chr12-881	5.965708	-0.17704	0.9525	-0.18587	0.852544	0.981636	chr12	88105141	88105974	+	0	NA	intron (N	L1MC5a|LI	36659	NM_025114	80184	Hs.150444	NM_025114	ENSG00000	CEP290	3H11Ag|BE	centrosom	protein-coding
chr2-9472	5.965708	-0.17704	0.9525	-0.18587	0.852544	0.981636	chr2	9472804	9473576	+	0	NA	TTS (NM_0	TTS (NM_0	-1361	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr5-1326	5.965708	-0.17704	0.9525	-0.18587	0.852544	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	261	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chrX-1569	5.965708	-0.17704	0.9525	-0.18587	0.852544	0.981636	chrX	15691503	15692791	+	0	NA	intron (N	AluJr|SIN	16689	NR_160542	340591	Hs.732244	NR_026551	ENSG00000	CA5BP1	CA5BL|CA5	carbonic	pseudo
chr8-2200	7.34222	-0.16117	0.867365	-0.18581	0.852592	0.981636	chr8	22000407	22001149	+	0	NA	intron (N	Tigger19a	-23356	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr9-3573	8.784027	0.15148	0.815663	0.185714	0.852669	0.981636	chr9	35737988	35738378	+	0	NA	intron (N	intron (N	5261	NR_106912	1.02E+08		NR_106912	ENSG00000	MIR6853	hsa-mir-6	microRNA	ncRNA
chr6-4344	8.230584	0.153636	0.827552	0.185651	0.852718	0.981636	chr6	43442958	43443196	+	0	NA	exon (NM_	exon (NM_	8535	NR_106894	1.02E+08		NR_106894	ENSG00000	MIR6780B	hsa-mir-6	microRNA	ncRNA
chr14-553	6.246082	0.172428	0.928888	0.185628	0.852737	0.981636	chr14	55311879	55312657	+	0	NA	intron (N	THE1D-int	40114	NM_152231	55030	Hs.525348	NM_017943	ENSG00000	FBXO34	CGI-301|F	F-box pro	protein-coding
chr17-490	4.724886	0.196203	1.05699	0.185624	0.852739	0.981636	chr17	4900562	4901250	+	0	NA	exon (NM_	exon (NM_	1370	NM_001145	1E+08	Hs.579243	NM_001145	ENSG00000	C17orf107	-	chromosom	protein-coding
chr1-2170	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr1	21704587	21705538	+	0	NA	intron (N	intron (N	-35705	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|F	RAP1 GTPa	protein-coding
chr1-4098	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr1	40986164	40987827	+	0	NA	intron (N	intron (N	-1524	NM_001301	1503	Hs.473087	NM_001905	ENSG00000	CTPS1	CTPS|GATD	CTP synth	protein-coding
chr1-1081	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA8|LIN	14329	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr10-359	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr10	359833	360492	+	0	NA	intron (N	intron (N	180168	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr11-856	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr11	85656044	85658508	+	0	NA	TTS (NM_0	TTS (NM_0	7853	NR_028026	58487	Hs.535319	NM_021212	ENSG00000	CREBZF	SMILE|ZF	CREB/ATF	protein-coding
chr11-123	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	3731	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr12-121	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	4222	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr13-110	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	L1ME3|LIN	58034	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr15-494	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr15	49453467	49454797	+	0	NA	intron (N	intron (N	30890	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr16-160	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr16	16027955	16028700	+	0	NA	intron (N	L2b|LINE|	78711	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr17-624	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr17	62443610	62444419	+	0	NA	intron (N	intron (N	20129	NM_181725	339175	Hs.381204	NM_181725	ENSG00000	METTL2A	METTL2	methyltra	protein-coding
chr17-751	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr17	75135532	75136276	+	0	NA	non-codin	non-codin	-4109	NM_001252	30833	Hs.67201	NM_014595	ENSG00000	NT5C	DNT|DNT1|	5', 3'-nu	protein-coding
chr2-3939	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr2	39391643	39392074	+	0	NA	intron (N	MER63B|DN	45427	NM_003618	8491	Hs.655750	NM_003618	ENSG00000	MAP4K3	GLK|MAPKK	mitogen-a	protein-coding
chr2-2379	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluSx1|SI	6028	NM_001278	140739	Hs.471785	NM_080678	ENSG00000	UBE2F	NCE2	ubiquitin	protein-coding
chr20-167	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr20	16737354	16740128	+	0	NA	intron (N	intron (N	8715	NM_198220	6629	Hs.280378	NM_003092	ENSG00000	SNRPB2	Msl1|U2B'	small nuc	protein-coding
chr3-1461	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	MER11B|LT	-45060	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr3-1955	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	non-codin	non-codin	26837	NR_133014	5504	Hs.535731	NM_006241	ENSG00000	PPP1R2	IPP-2|IPP	protein p	protein-coding
chr4-1828	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	18482	NM_001351	1635	Hs.183850	NM_001921	ENSG00000	DCTD	-	dCMP deam	protein-coding
chr5-1495	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	29570	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr7-1785	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr7	17855825	17857722	+	0	NA	intron (N	AluJb|SIN	83721	NM_001350	23161	Hs.487648	NM_015132	ENSG00000	SNX13	RGS-PX1	sorting n	protein-coding
chr7-9897	6.419307	-0.16947	0.913497	-0.18552	0.852821	0.981636	chr7	98973548	98975030	+	0	NA	intron (N	intron (N	-38876	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-9253	11.69782	-0.12925	0.6968	-0.18549	0.852848	0.981636	chr7	92536981	92537319	+	0	NA	3' UTR (N	3' UTR (N	8355	NM_032120	84060	Hs.21590	NM_032120	ENSG00000	RBM48	C7orf64|H	RNA bindi	protein-coding
chr1-6672	8.742888	0.149457	0.806247	0.185374	0.852936	0.981636	chr1	66720910	66721641	+	0	NA	intron (N	intron (N	-31184	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 do	protein-coding
chr1-1742	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	17425155	17426197	+	0	NA	exon (NM_	exon (NM_	12860	NM_001136	55920	Hs.380857	NM_018715	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-3231	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	32317021	32318527	+	0	NA	intron (N	intron (N	18459	NM_023009	65108	Hs.75061	NM_023009	ENSG00000	MARCKSL1	F52|MACMA	MARCKS li	protein-coding
chr1-1002	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	1E+08	1E+08	+	0	NA	3' UTR (N	3' UTR (N	10752	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr1-1093	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-38599	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-1199	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-32681	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr1-1930	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	TTS (NM_0	TTS (NM_0	9396	NM_197962	51022	Hs.458283	NM_016066	ENSG00000	GLRX2	CGI-133|G	glutaredo	protein-coding
chr1-2237	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSq2|SI	58868	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASP	tumor pro	protein-coding
chr10-467	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr10	46789096	46790610	+	0	NA	intron (N	intron (N	-3083	NR_111968	414212	Hs.661155	NR_048574	ENSG00000	GLUD1P2	GLUD1P7|G	glutamate	pseudo
chr10-103	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	TTS (NR_0	TTS (NR_0	1128	NR_031707	1E+08		NR_031707	ENSG00000	MIR1307	MIRN1307|	microRNA	ncRNA
chr10-114	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr10	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	44158	NR_031747	1E+08		NR_031747	ENSG00000	MIR2110	hsa-mir-2	microRNA	ncRNA
chr11-666	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr11	66664523	66666142	+	0	NA	3' UTR (N	3' UTR (N	12555	NM_031492	83759	Hs.618713	NM_031492	ENSG00000	RBM4B	RBM30|RBM	RNA bindi	protein-coding
chr11-120	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	35838	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr12-533	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr12	53301149	53304506	+	0	NA	intron (N	L2c|LINE|	3132	NM_021640	60314	Hs.655988	NM_021640	ENSG00000	C12orf10	Gamm1|MST	chromosom	protein-coding
chr12-647	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr12	64740067	64740934	+	0	NA	intron (N	intron (N	18906	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr13-102	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	36033	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr13-102	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	38537	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr14-746	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr14	74681071	74684112	+	0	NA	intron (N	MSTB|LTR|	30489	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr15-509	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr15	50916062	50918870	+	0	NA	intron (N	intron (N	8783	NM_001252	23431	Hs.413366	NM_007347	ENSG00000	AP4E1	CPSQ4|SPG	adaptor r	protein-coding
chr15-654	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr15	65472067	65474710	+	0	NA	intron (N	intron (N	43886	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr15-774	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr15	77478303	77479394	+	0	NA	intron (N	(TGTT)n|S	-46747	NR_135692	1.02E+08	Hs.637111	NR_135692	ENSG00000	LOC101929	-	uncharact	ncRNA
chr16-120	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr16	12079034	12079626	+	0	NA	intron (N	intron (N	102596	NM_032167	92017	Hs.458401	NM_032167	ENSG00000	SNX29	A-388D4.1	sorting n	protein-coding
chr16-236	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr16	23652915	23654932	+	0	NA	intron (N	L1PA13|LI	12457	NM_032486	84516	Hs.435941	NM_032486	ENSG00000	DCTN5	-	dynactin	protein-coding
chr17-143	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr17	14345156	14346996	+	0	NA	3' UTR (N	3' UTR (N	42336	NR_026880	84815	Hs.597458	NM_032729	ENSG00000	MGC12916	-	uncharact	ncRNA
chr17-428	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr17	42842613	42844000	+	0	NA	non-codin	non-codin	-1274	NM_009590	314	Hs.143102	NM_001158	ENSG00000	AOC2	DAO2|RAO|	amine oxi	protein-coding
chr17-509	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr17	50974356	50975757	+	0	NA	intron (N	intron (N	71822	NM_001251	9043	Hs.463439	NM_003971	ENSG00000	SPAG9	CT89|HLC-	sperm ass	protein-coding
chr17-789	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr17	78990614	78996455	+	0	NA	3' UTR (N	3' UTR (N	-13611	NM_005567	3959	Hs.514535	NM_005567	ENSG00000	LGALS3BP	90K|BTBD1	galectin	protein-coding
chr19-100	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	10088101	10091759	+	0	NA	exon (NM_	exon (NM_	3613	NM_001308	55337	Hs.655613	NM_018381	ENSG00000	SHFL	C19orf66|	shiftless	protein-coding
chr19-154	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	15408067	15410437	+	0	NA	intron (N	L1MD|LINE	9736	NM_014371	26993	Hs.399800	NM_014371	ENSG00000	AKAP8L	HA95|HAP9	A-kinase	protein-coding
chr19-210	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	21064160	21066230	+	0	NA	Intergeni	L1M2|LINE	-16952	NR_117087	148206	Hs.729186	NM_182515	ENSG00000	ZNF714	-	zinc fing	protein-coding
chr19-393	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	39351184	39354333	+	0	NA	intron (N	intron (N	10299	NM_001303	55095	Hs.612332	NM_018028	ENSG00000	SAMD4B	SMGB|Smau	sterile a	protein-coding
chr19-474	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	47499204	47501242	+	0	NA	intron (N	intron (N	14840	NM_003827	8775	Hs.126938	NM_003827	ENSG00000	NAPA	SNAPA	NSF attac	protein-coding
chr19-516	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr19	51697797	51700077	+	0	NA	intron (N	MLT1J|LTR	-5481	NR_108100	1.02E+08	Hs.640185	NR_108100	ENSG00000	SPACA6P-A	LINC01129	SPACA6P a	ncRNA
chr2-3881	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr2	38814816	38816672	+	0	NA	intron (N	intron (N	37534	NM_024775	79833	Hs.143818	NM_024775	ENSG00000	GEMIN6	-	gem nucle	protein-coding
chr2-3976	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr2	39764574	39765646	+	0	NA	intron (N	intron (N	14148	NM_025264	80745	Hs.468254	NM_025264	ENSG00000	THUMPD2	C2orf8	THUMP dom	protein-coding
chr2-6933	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr2	69331092	69331997	+	0	NA	intron (N	intron (N	55683	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-6940	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr2	69409581	69410285	+	0	NA	intron (N	intron (N	-22679	NM_001244	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-2017	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L2a|LINE|	-10652	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr3-1790	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	L2|LINE|L	9505	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr4-2453	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr4	24530465	24533311	+	0	NA	intron (N	intron (N	-11598	NR_030299	693158		NR_030299	ENSG00000	MIR573	MIRN573|h	microRNA	ncRNA
chr4-2540	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr4	25406483	25407822	+	0	NA	intron (N	intron (N	29889	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-1218	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	23075	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr4-1434	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	73779	NR_036091	1E+08		NR_036091	ENSG00000	MIR3139	-	microRNA	ncRNA
chr5-7042	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr5	70426165	70426932	+	0	NA	intron (N	Kanga1c|D	11174	NM_001515	2966	Hs.191356	NM_001515	ENSG00000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr5-1388	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-58919	NR_134244	1.05E+08	Hs.445981	NR_134244	ENSG00000	LOC105379	-	uncharact	ncRNA
chr5-1720	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	-53290	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box and	protein-coding
chr6-3622	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr6	36229504	36232452	+	0	NA	3' UTR (N	3' UTR (N	-12190	NM_173676	285848	Hs.407002	NM_173676	ENSG00000	PNPLA1	ARCI10|dJ	patatin l	protein-coding
chr6-5710	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr6	57103061	57104362	+	0	NA	3' UTR (N	3' UTR (N	13523	NM_001031	26036	Hs.485628	NM_015555	ENSG00000	ZNF451	COASTER|c	zinc fing	protein-coding
chr6-1122	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-22982	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr7-3057	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr7	30573689	30575228	+	0	NA	intron (N	intron (N	3321	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr8-4197	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr8	41972479	41974721	+	0	NA	intron (N	intron (N	-76859	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr8-4785	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr8	47853302	47854547	+	0	NA	intron (N	AluJo|SIN	106212	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-6667	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr8	66677532	66678814	+	0	NA	intron (N	intron (N	10577	NR_161218	56260	Hs.661238	NM_019607	ENSG00000	C8orf44	-	chromosom	ncRNA
chr8-1230	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	6852	NM_001363	79139	Hs.241576	NM_024295	ENSG00000	DERL1	DER-1|DER	derlin 1	protein-coding
chr9-1002	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chr9	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	99445	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA20	testis ex	protein-coding
chrX-4121	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chrX	41219342	41220943	+	0	NA	intron (N	intron (N	-55597	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chrX-7812	6.921903	-0.16204	0.874278	-0.18534	0.85296	0.981636	chrX	78122777	78126045	+	0	NA	intron (N	MER5A|DNA	15239	NM_015975	51616	Hs.592248	NM_015975	ENSG00000	TAF9B	DN-7|DN7|	TATA-box	protein-coding
chr1-2365	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	29524	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr12-510	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr12	51006108	51006621	+	0	NA	intron (N	MER4D1|LT	2851	NM_001174	4891	Hs.505545	NM_000617	ENSG00000	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr12-131	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	46913	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr15-229	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr15	22917667	22919313	+	0	NA	intron (N	DNA1_Mam|	-1177	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr17-619	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr17	61989302	61989785	+	0	NA	intron (N	AluSq2|SI	-61561	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr19-377	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr19	37706964	37707738	+	0	NA	intron (N	AluJb|SIN	11837	NM_001172	84775	Hs.116622	NM_032689	ENSG00000	ZNF607	-	zinc fing	protein-coding
chr2-2083	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluJb|SIN	-25764	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr9-9261	6.468304	-0.16858	0.909721	-0.18531	0.852984	0.981636	chr9	92617652	92618401	+	0	NA	promoter-	promoter-	-24	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr2-9663	7.213834	0.161648	0.872329	0.185306	0.852989	0.981636	chr2	96634303	96635093	+	0	NA	intron (N	(AATGA)n|	3293	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr4-1222	7.213834	0.161648	0.872329	0.185306	0.852989	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	75707	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr9-9271	7.213834	0.161648	0.872329	0.185306	0.852989	0.981636	chr9	92714614	92714874	+	0	NA	3' UTR (N	3' UTR (N	-44613	NM_022755	64768	Hs.459896	NM_022755	ENSG00000	IPPK	C9orf12|I	inositol-	protein-coding
chr11-702	6.70153	0.167856	0.905974	0.185277	0.853012	0.981636	chr11	70278171	70278685	+	0	NA	intron (N	L1ME3A|LI	-5527	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr16-586	6.70153	0.167856	0.905974	0.185277	0.853012	0.981636	chr16	58679911	58680392	+	0	NA	non-codin	non-codin	4180	NM_001308	55238	Hs.10499	NM_018231	ENSG00000	SLC38A7	SNAT7	solute ca	protein-coding
chr1-5254	6.197084	0.172519	0.932074	0.185092	0.853157	0.981636	chr1	52543284	52544115	+	0	NA	intron (N	AluSx1|SI	9391	NM_015269	23318	Hs.655407	NM_015269	ENSG00000	TUT4	PAPD3|TEN	terminal	protein-coding
chr10-407	6.197084	0.172519	0.932074	0.185092	0.853157	0.981636	chr10	407295	408461	+	0	NA	intron (N	L1MB3|LIN	-220686	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG00000	LOC101930	-	uncharact	ncRNA
chr16-704	6.197084	0.172519	0.932074	0.185092	0.853157	0.981636	chr16	70434779	70435391	+	0	NA	intron (N	intron (N	4015	NM_006927	6483	Hs.368611	NM_006927	ENSG00000	ST3GAL2	Gal-NAc6S	ST3 beta-	protein-coding

chr19-342	6.197084	0.172519	0.932074	0.185092	0.853157	0.981636	chr19	34206903	34207492	+	0	NA	intron (N	intron (N	34693	NM_001114	26065	Hs.744009	NM_015578	ENSG00000	LSM14A	C19orf13|	LSM14A mR	protein-coding
chr3-3068	6.197084	0.172519	0.932074	0.185092	0.853157	0.981636	chr3	30687569	30688407	+	0	NA	intron (N	MER106A|D	81387	NM_003242	7048	Hs.82028	NM_003242	ENSG00000	TGFBR2	AAT3|FAA3	transform	protein-coding
chr1-2308	7.726138	0.156308	0.844787	0.185027	0.853208	0.981636	chr1	23080264	23080823	+	0	NA	intron (N	L2b|LINE|	36238	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr19-505	4.675888	0.19639	1.061474	0.185016	0.853216	0.981636	chr19	5056396	5057112	+	0	NA	intron (N	MLT1E3|LT	87641	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr5-8111	4.675888	0.19639	1.061474	0.185016	0.853216	0.981636	chr5	81119825	81120696	+	0	NA	intron (N	L4_A_Mam|	-113060	NM_001825	1160	Hs.80691	NM_001825	ENSG00000	CKMT2	SMTCK	creatine	protein-coding
chr14-391	5.180334	0.187807	1.015159	0.185003	0.853227	0.981636	chr14	39157865	39158448	+	0	NA	intron (N	intron (N	12177	NM_001079	122553	Hs.13303	NM_177452	ENSG00000	TRAPPC6B	NEDMEBA|T	trafficki	protein-coding
chr6-1421	5.180334	0.187807	1.015159	0.185003	0.853227	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MEf|LIN	31745	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|D	vesicle t	protein-coding
chr7-1392	5.180334	0.187807	1.015159	0.185003	0.853227	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	13822	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr11-183	7.38336	-0.15832	0.855924	-0.18497	0.853249	0.981636	chr11	18310952	18311312	+	0	NA	intron (N	intron (N	11008	NM_007216	11234	Hs.437599	NM_007216	ENSG00000	HPS5	AIBP63|BL	HPS5 biog	protein-coding
chr5-1798	7.38336	-0.15832	0.855924	-0.18497	0.853249	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	14316	NR_134283	1.01E+08	Hs.314414	NR_134283	ENSG00000	LOC100996	-	uncharact	ncRNA
chr7-5743	5.68478	0.180841	0.977969	0.184914	0.853296	0.981636	chr7	5743573	5745183	+	0	NA	intron (N	L1MEg|LIN	-32468	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr1-4663	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr1	46635945	46636980	+	0	NA	intron (N	intron (N	-19571	NM_201403	148932	Hs.632401	NM_145279	ENSG00000	MOB3C	MOB1E|MOB	MOB kinas	protein-coding
chr11-452	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr11	452743	453545	+	0	NA	intron (N	intron (N	2865	NM_001329	81490	Hs.12851	NM_030783	ENSG00000	PTDSS2	PSS2	phosphati	protein-coding
chr14-760	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr14	76007210	76007774	+	0	NA	intron (N	intron (N	21729	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr2-5519	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr2	55191871	55192368	+	0	NA	intron (N	L1MB7|LIN	-39784	NM_001135	6233	Hs.311640	NM_002954	ENSG00000	RPS27A	CEP80|HEL	ribosomal	protein-coding
chr2-1201	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1ME3A|LI	53250	NM_024121	79134	Hs.376722	NM_024121	ENSG00000	TMEM185B	FAM11B	transmemb	protein-coding
chr3-3823	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr3	38236982	38238608	+	0	NA	intron (N	intron (N	-28017	NM_004256	9390	Hs.225941	NM_004256	ENSG00000	SLC22A13	OAT10|OCT	solute ca	protein-coding
chr4-6766	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr4	67669801	67671033	+	0	NA	intron (N	intron (N	30738	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr4-8860	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr4	88606877	88608893	+	0	NA	intron (N	intron (N	15405	NM_001318	8916	Hs.35804	NM_014606	ENSG00000	HERC3	-	HECT and	protein-coding
chr5-1470	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr5	14707939	14709465	+	0	NA	3’ UTR (N	3’ UTR (N	-3992	NR_046285	1E+08	Hs.660550	NR_046285		LOC100130	-	uncharact	ncRNA
chr5-3621	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr5	36219993	36220945	+	0	NA	intron (N	intron (N	20922	NM_001287	133686	Hs.81907	NM_153013	ENSG00000	NADK2	C5orf33|D	NAD kinas	protein-coding
chr6-4226	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr6	42263938	42264747	+	0	NA	intron (N	intron (N	-46481	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|P	mitochond	protein-coding
chr9-9652	5.692638	0.178148	0.963761	0.184846	0.85335	0.981636	chr9	96527823	96528244	+	0	NA	intron (N	L1MB3|LIN	38798	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr11-337	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr11	33756135	33757001	+	0	NA	intron (N	intron (N	17952	NM_033406	26273	Hs.406787	NM_012175	ENSG00000	FBXO3	FBA|FBX3	F-box pro	protein-coding
chr14-594	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr14	59471533	59472062	+	0	NA	TTS (NM_C	TTS (NM_C	-6417	NM_022571	64582	Hs.647573	NM_022571	ENSG00000	GPR135	HUMNPIIY2	G protein	protein-coding
chr18-486	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr18	48619544	48620467	+	0	NA	intron (N	intron (N	-50595	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr2-7393	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr2	73932813	73933096	+	0	NA	intron (N	intron (N	6074	NR_134898	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguar	protein-coding
chr3-3939	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr3	39392872	39394533	+	0	NA	intron (N	AluSz6|SI	10332	NM_017875	54977	Hs.369615	NM_017875	ENSG00000	SLC25A38	SIDBA2	solute ca	protein-coding
chr3-5266	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr3	52666000	52666712	+	0	NA	intron (N	AluSx1|SI	19243	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PB	polybromo	protein-coding
chr7-9905	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr7	99059705	99060308	+	0	NA	intron (N	intron (N	46841	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1129	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	25137	NM_152556	154743	Hs.489734	NM_152556	ENSG00000	BMT2	C7orf60|S	base meth	protein-coding
chr8-1279	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-17801	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr9-3635	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr9	36352102	36352733	+	0	NA	intron (N	intron (N	47852	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr9-1329	6.709388	0.165484	0.895363	0.184823	0.853368	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	25187	NM_001316	11092	Hs.62595	NM_018956	ENSG00000	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chr10-890	11.64097	-0.12853	0.695718	-0.18474	0.853429	0.981636	chr10	89017777	89018450	+	0	NA	Intergeni	LTR12C|LT	-25138	NR_028371	1E+08	Hs.244139	NR_028371		FAS-AS1	FAS-AS|FA	FAS antis	ncRNA
chr12-100	5.924569	-0.18	0.974361	-0.18474	0.853432	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	-22160	NM_001145	246213	Hs.116871	NM_139319	ENSG00000	SLC17A8	DFNA25|VG	solute ca	protein-coding
chr14-391	5.924569	-0.18	0.974361	-0.18474	0.853432	0.981636	chr14	39137004	39137215	+	0	NA	TTS (NM_C	TTS (NM_C	22825	NM_003616	8487	Hs.652307	NM_003616	ENSG00000	GEMIN2	SIP1|SIP1	gem nucle	protein-coding
chr5-1127	5.924569	-0.18	0.974361	-0.18474	0.853432	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MB8|LIN	60066	NM_001354	324	Hs.158932	NM_000038	ENSG00000	APC	BTPS2|DP2	APC regul	protein-coding
chr18-622	8.238442	0.151684	0.821981	0.184534	0.853594	0.981636	chr18	62264224	62265575	+	0	NA	intron (N	intron (N	-60388	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEO	TNF recep	protein-coding
chr3-1969	8.238442	0.151684	0.821981	0.184534	0.853594	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-8240	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr1-7420	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr1	74202530	74203948	+	0	NA	intron (N	Tigger3b|	5027	NM_001199	8790	Hs.480085	NM_003838	ENSG00000	FPGT	GFPP	fucose-1-	protein-coding
chr16-110	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr16	11039911	11040834	+	0	NA	intron (N	intron (N	95808	NM_015226	23274	Hs.35490	NM_015226	ENSG00000	CLEC16A	Gop-1|KIA	C-type le	protein-coding
chr17-827	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr17	82782231	82782762	+	0	NA	intron (N	intron (N	30431	NM_005993	6904	Hs.464391	NM_005993	ENSG00000	TBCD	PEBAT|SSD	tubulin f	protein-coding
chr2-6920	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr2	69204236	69204750	+	0	NA	intron (N	intron (N	100811	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr5-1075	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr5	10755012	10756641	+	0	NA	intron (N	intron (N	5408	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr5-7773	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chr5	77733034	77735169	+	0	NA	intron (N	Tigger1|D	42238	NM_001297	6902	Hs.291212	NM_004607	ENSG00000	TBCA	-	tubulin f	protein-coding
chrX-1195	5.188192	0.184986	1.003017	0.18443	0.853676	0.981636	chrX	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	2785	NM_001173	55922	Hs.437084	NM_017544	ENSG00000	NKRF	ITBA4|NRF	NFKB repr	protein-coding
chr1-2252	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr1	22521748	22522349	+	0	NA	intron (N	MIRb|SINE	-41441	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr11-182	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr11	18284240	18285442	+	0	NA	intron (N	intron (N	18577	NM_199161	6288	Hs.632144	NM_000331	ENSG00000	SAA1	PIG4|SAA|	serum amy	protein-coding
chr12-577	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr12	57788678	57790466	+	0	NA	intron (N	AluSz6|SI	6785	NM_001172	10102	Hs.632704	NM_005726	ENSG00000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr12-106	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	TTS (NM_C	TTS (NM_C	12566	NM_001033	80298	Hs.5009	NM_025198	ENSG00000	MTERF2	MTERFD3|m	mitochond	protein-coding
chr12-122	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSq|SIN	-45475	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr15-910	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr15	91016271	91017858	+	0	NA	intron (N	intron (N	5557	NM_018668	26276	Hs.745007	NM_018668	ENSG00000	VPS33B	-	VPS33B la	protein-coding
chr16-476	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr16	47690988	47691556	+	0	NA	intron (N	L1MC4a|LI	-167309	NR_110650	1.02E+08	Hs.589404	NR_110650	ENSG00000	LINC02133	-	long inte	ncRNA
chr18-232	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr18	23239941	23240538	+	0	NA	intron (N	intron (N	84414	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr2-2496	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr2	24964223	24967238	+	0	NA	intron (N	intron (N	6225	NM_016544	51277	Hs.434993	NM_016544	ENSG00000	DNAJC27	RBJ|RabJS	DnaJ heat	protein-coding
chr6-1007	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA8A|LI	121161	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr9-1929	6.204942	0.170071	0.9231	0.184239	0.853826	0.981636	chr9	19290914	19292059	+	0	NA	intron (N	AluSz6|SI	60793	NM_001330	55667	Hs.249591	NM_017925	ENSG00000	DENND4C	C9orf55|C	DENN doma	protein-coding
chr14-582	4.683746	0.193358	1.052176	0.18377	0.854194	0.981636	chr14	58206394	58207237	+	0	NA	intron (N	L2a|LINE|	6666	NM_018477	55860	Hs.509451	NM_018477	ENSG00000	ACTR10	ACTR11|Ar	actin rel	protein-coding
chr9-9999	4.683746	0.193358	1.052176	0.18377	0.854194	0.981636	chr9	99998966	99999796	+	0	NA	intron (N	L1PB1|LIN	92727	NM_017919	55014	Hs.704031	NM_017919	ENSG00000	STX17	-	syntaxin	protein-coding
chr12-113	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	22243	NM_001159	196463	Hs.115896	NM_173542	ENSG00000	PLBD2	P76	phospholi	protein-coding
chr13-973	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr13	97335565	97337581	+	0	NA	intron (N	MLT1D|LTR	-97596	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr15-100	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	L1ME4a|LI	5823	NM_024652	79705	Hs.407918	NM_024652	ENSG00000	LRRK1	RIPK6|Roc	leucine r	protein-coding
chr16-251	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr16	25156783	25159683	+	0	NA	intron (N	AluSz6|SI	-9201	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr16-503	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr16	50332767	50333620	+	0	NA	intron (N	intron (N	35795	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CELT	bromodoma	protein-coding
chr19-476	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr19	47699945	47700378	+	0	NA	intron (N	MIR|SINE|	-13261	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr2-2017	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	MER5A1|DN	24055	NM_020919	57679	Hs.471096	NM_020919	ENSG00000	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr22-439	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr22	43986697	43987385	+	0	NA	intron (N	intron (N	-12170	NM_001003	29780	Hs.475074	NM_013327	ENSG00000	PARVB	CGI-56	parvin be	protein-coding
chr3-1744	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr3	1.74E+08	1.74E+08	+	0	NA	Intergeni	LOR1a|LTR	-408851	NM_207015	254827	Hs.565848	NM_207015	ENSG00000	NAALADL2	-	N-acetyla	protein-coding
chr4-3988	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr4	39884988	39885432	+	0	NA	intron (N	AluSz|SIN	92701	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr4-7697	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr4	76972640	76973449	+	0	NA	intron (N	intron (N	23292	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-1398	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr5	13981236	13982004	+	0	NA	Intergeni	Intergeni	-37140	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3150	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr5	31500810	31501786	+	0	NA	intron (N	ERV3-16A3	30795	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-6569	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr5	65695001	65696160	+	0	NA	intron (N	intron (N	26529	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr6-9051	6.460446	-0.16652	0.90728	-0.18354	0.854374	0.981636	chr6	90519744	90523330	+	0	NA	intron (N	intron (N	65535	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr16-879	7.733996	0.154316	0.840774	0.18354	0.854374	0.981636	chr16	87981137	87981847	+	0	NA	intron (N	MLT1C|LTR	11474	NM_001173	54971	Hs.461705	NM_017869	ENSG00000	BANP	BEND1|SMA	BTG3 asso	protein-coding
chr7-3005	7.733996	0.154316	0.840774	0.18354	0.854374	0.981636	chr7	30052951	30053230	+	0	NA	intron (N	intron (N	8005	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr1-3590	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr1	35903723	35905766	+	0	NA	intron (N	intron (N	21535	NM_012199	26523	Hs.22867	NM_012199	ENSG00000	AGO1	EIF2C|EIF	argonaute	protein-coding
chr12-193	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr12	19306318	19307462	+	0	NA	intron (N	intron (N	101565	NM_001256	54477	Hs.188614	NM_019012	ENSG00000	PLEKHA5	PEPP-2|PE	pleckstri	protein-coding
chr14-102	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	64960	NM_006035	9578	Hs.654634	NM_006035	ENSG00000	CDC42BPB	MRCKB	CDC42 bin	protein-coding
chr15-383	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr15	38344304	38345777	+	0	NA	intron (N	intron (N	92204	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr15-425	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr15	42520713	42521729	+	0	NA	intron (N	intron (N	25587	NM_003825	8773	Hs.511149	NM_003825	ENSG00000	SNAP23	HsT17016|	synaptoso	protein-coding
chr15-523	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr15	52350582	52351456	+	0	NA	intron (N	intron (N	-55215	NM_018728	55930	Hs.487036	NM_018728	ENSG00000	MYO5C	-	myosin VC	protein-coding
chr16-532	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr16	53270984	53271971	+	0	NA	intron (N	AluSz|SIN	63026	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr16-678	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr16	67801436	67802775	+	0	NA	intron (N	AluJb|SIN	4455	NM_001320	57610	Hs.368569	NM_020850	ENSG00000	RANBP10	-	RAN bindi	protein-coding
chr16-700	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr16	70024352	70025471	+	0	NA	intron (N	L1M5|LINE	-5435	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr16-718	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr16	71862940	71866287	+	0	NA	intron (N	intron (N	15863	NM_001318	55565	Hs.744055	NM_017530	ENSG00000	ZNF821	-	zinc fing	protein-coding
chr18-478	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr18	47863969	47864610	+	0	NA	intron (N	intron (N	66370	NM_005901	4087	Hs.12253	NM_005901	ENSG00000	SMAD2	JV18|JV18	SMAD fami	protein-coding
chr19-476	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr19	47690331	47692160	+	0	NA	intron (N	MLT1F|LTR	-22177	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr2-9927	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr2	9927679	9928804	+	0	NA	intron (N	L1PA6|LIN	-23452	NM_198182	29841	Hs.418493	NM_198182	ENSG00000	GRHL1	LBP32|MGR	grainyhea	protein-coding
chr2-2011	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSz|SIN	5068	NM_001206	843	Hs.5353	NM_001230	ENSG00000	CASP10	ALPS2|FLI	caspase 1	protein-coding
chr20-317	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr20	31720979	31721940	+	0	NA	promoter-	promoter-	-48	NR_131907	1.03E+08		NR_131907	ENSG00000	ABALON	INXS	apoptotic	ncRNA
chr20-328	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr20	32850223	32851885	+	0	NA	TTS (NM_C	TTS (NM_C	-7869	NM_001143	388795		NM_001143	ENSG00000	EFCAB8	-	EF-hand c	protein-coding
chr4-7438	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr4	74380189	74381788	+	0	NA	intron (N	intron (N	15843	NM_001432	2069	Hs.115263	NM_001432	ENSG00000	EREG	EPR|ER|Ep	epireguli	protein-coding
chr6-3548	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr6	35482506	35483063	+	0	NA	intron (N	intron (N	12276	NR_106961	1.02E+08		NR_106961	ENSG00000	MIR7111	hsa-mir-7	microRNA	ncRNA
chr6-1705	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12139	NM_001199	5134	Hs.367900	NM_002598	ENSG00000	PDCD2	RP8|ZMYND	programme	protein-coding
chr7-2229	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr7	2229203	2229915	+	0	NA	intron (N	intron (N	3386	NM_001304	8379	Hs.654838	NM_003550	ENSG00000	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr7-1306	5.700496	0.175582	0.957133	0.183446	0.854448	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	L1MEf|LIN	60474	NM_012133	26958	Hs.6421	NM_012133	ENSG00000	COPG2	2-COP|gam	coatomer	protein-coding
chr1-1119	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr1	11196206	11196848	+	0	NA	TTS (NM_C	TTS (NM_C	7172	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-2184	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr1	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	-30154	NR_031644	1E+08		NR_031644	ENSG00000	MIR548F3	MIR548F-3	microRNA	ncRNA
chr15-596	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr15	59641443	59642038	+	0	NA	intron (N	intron (N	15565	NM_001320	2958	Hs.512934	NM_004492	ENSG00000	GTF2A2	HsT18745|	general t	protein-coding
chr15-782	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr15	78288149	78290495	+	0	NA	intron (N	AluJr4|SI	10287	NM_001303	80349	Hs.513055	NM_025234	ENSG00000	WDR61	REC14|SKI	WD repeat	protein-coding
chr17-183	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr17	18317137	18318227	+	0	NA	exon (NM_	exon (NM_	2389	NM_144775	140775	Hs.592944	NM_144775	ENSG00000	SMCR8	DENND8A	SMCR8-C9o	protein-coding
chr19-109	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr19	10985369	10986104	+	0	NA	intron (N	intron (N	1584	NM_001128	6597	Hs.327527	NM_003072	ENSG00000	SMARCA4	BAF190|BA	SWI/SNF r	protein-coding
chr4-1562	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr4	156292	158195	+	0	NA	intron (N	AluSp|SIN	29122	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr4-1899	6.717246	0.163246	0.890317	0.183357	0.854518	0.981636	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	L1ME4b|LI	17337	NM_004477	2483	Hs.203772	NM_004477	ENSG00000	FRG1	FRG1A|FSG	FSHD regi	protein-coding
chr16-554	12.63044	-0.1217	0.663764	-0.18335	0.854522	0.981636	chr16	55482716	55486426	+	0	NA	intron (N	MER3|DNA|	3014	NM_001127	4313	Hs.513617	NM_004530	ENSG00000	MMP2	CLG4|CLG4	matrix me	protein-coding
chr3-1280	12.63044	-0.1217	0.663764	-0.18335	0.854522	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-8659	NR_046645	1.01E+08	Hs.581603	NR_046645	ENSG00000	RUVBL1-AS	-	RUVBL1 ar	ncRNA
chr7-1025	12.63044	-0.1217	0.663764	-0.18335	0.854522	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSg|SIN	8290	NM_001097	548644	Hs.610255	NM_001015	ENSG00000	POLR2J3	POLR2J2|F	RNA polym	protein-coding
chr1-1974	7.375502	-0.15644	0.853861	-0.18322	0.854627	0.981636	chr1	19745058	19745852	+	0	NA	3’ UTR (N	3’ UTR (N	53894	NM_001349	255104	Hs.466729	NM_181719	ENSG00000	TMCO4	-	transmemb	protein-coding
chr19-190	7.375502	-0.15644	0.853861	-0.18322	0.854627	0.981636	chr19	19013884	19015576	+	0	NA	intron (N	AluJo|SIN	18787	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr20-498	7.375502	-0.15644	0.853861	-0.18322	0.854627	0.981636	chr20	498427	501404	+	0	NA	exon (NM_	exon (NM_	-37382	NM_144628	128637	Hs.590876	NM_144628	ENSG00000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr5-5532	7.375502	-0.15644	0.853861	-0.18322	0.854627	0.981636	chr5	55328049	55329427	+	0	NA	exon (NM_	exon (NM_	20749	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr6-4257	7.375502	-0.15644	0.853861	-0.18322	0.854627	0.981636	chr6	42573970	42576075	+	0	NA	intron (N	intron (N	10993	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr1-4628	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr1	46282924	46286442	+	0	NA	intron (N	L2b|LINE|	18683	NM_006369	10489	Hs.144941	NM_006369	ENSG00000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr1-6697	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr1	66979568	66980859	+	0	NA	intron (N	intron (N	49957	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr1-1554	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	MER21C|LT	38237	NR_034180	645682	Hs.632482	NR_034180	ENSG00000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr1-2365	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	18799	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr10-822	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	822137	828123	+	0	NA	exon (NM_	exon (NM_	106575	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-149	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	14945731	14948590	+	0	NA	intron (N	AluSz|SIN	6936	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-498	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	49883319	49884550	+	0	NA	intron (N	MLT1F1|LT	58093	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chr10-734	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	73472350	73473263	+	0	NA	intron (N	intron (N	-22946	NR_132103	1.02E+08	Hs.434502	NR_132103	ENSG00000	PPP3CB-AS	USP54-AS1	PPP3CB ar	ncRNA
chr10-791	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	79166509	79167447	+	0	NA	intron (N	intron (N	98012	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding

chr10-798	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	79811974	79814641	+	0	NA	intron (N	L1MB4|LIN	-12595	NR_029407	642361	Hs.164298	NR_029407	ENSG0000	LOC642361	-	uncharact	ncRNA
chr10-870	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr10	87070422	87074293	+	0	NA	intron (N	L1M4|LINE	21730	NM_001318	2746	Hs.500409	NM_005271	ENSG0000	GLUD1	GDH|GDH1|	glutamate	protein-coding
chr11-274	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr11	27499871	27502690	+	0	NA	intron (N	intron (N	5489	NM_018362	55327	Hs.91393	NM_018362	ENSG0000	LIN7C	LIN-7-C|I	lin-7 hom	protein-coding
chr11-438	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr11	43889042	43893376	+	0	NA	intron (N	MIRb|SINE	-6094	NR_026952	729799	Hs.368920	NR_026952	ENSG0000	SEC14L1P1	-	SEC14 lik	pseudo
chr11-736	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr11	73676434	73680598	+	0	NA	intron (N	AluSx|SIN	29603	NM_001130	58473	Hs.445489	NM_021200	ENSG0000	PLEKHB1	KPL1|PHR1	pleckstri	protein-coding
chr11-117	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-1047	NR_037803	1E+08	Hs.736305	NR_037803		BACE1-AS	BACE1-AS1	BACE1 ant	ncRNA
chr12-651	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr12	6511237	6513220	+	0	NA	intron (N	AluYc|SIN	2006	NR_004387	692148		NR_004387	ENSG0000	SCARNA10	U85	small Ca	ncRNA
chr12-295	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr12	29565057	29566426	+	0	NA	intron (N	AluSq|SIN	-66048	NM_001353	341350	Hs.674588	NM_183378	ENSG0000	OVCH1	OVCH	ovochymas	protein-coding
chr12-480	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr12	48073685	48074437	+	0	NA	intron (N	Tigger4a|	-31192	NM_001354	5213	Hs.75160	NM_000289	ENSG0000	PFKM	ATP-PFK|C	phosphofr	protein-coding
chr12-101	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-15560	NR_049838	1.01E+08		NR_049838	ENSG0000	MIR548AQ	-	microRNA	ncRNA
chr13-460	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr13	46008777	46009470	+	0	NA	intron (N	intron (N	43623	NM_001330	23091	Hs.136102	NM_015070	ENSG0000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr13-114	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	non-codin	non-codin	-9086	NM_032436	283489	Hs.7542	NM_032436	ENSG0000	CHAMP1	C13orf8|C	chromosom	protein-coding
chr14-346	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr14	34612148	34613307	+	0	NA	intron (N	AluSx|SIN	17421	NR_159358	58533	Hs.276523	NM_021249	ENSG0000	SNX6	MSTP010|T	sorting n	protein-coding
chr14-350	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr14	35081720	35082585	+	0	NA	3’ UTR (N	3’ UTR (N	1071	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG0000	LOC101927	-	uncharact	ncRNA
chr14-676	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr14	67658714	67659764	+	0	NA	intron (N	intron (N	15393	NM_006370	10490	Hs.741177	NM_006370	ENSG0000	VTI1B	VTI1|VTI1	vesicle t	protein-coding
chr15-454	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr15	45413436	45417673	+	0	NA	intron (N	intron (N	13218	NR_136646	79029	Hs.369657	NM_024063	ENSG0000	SPATA5L1	-	spermatog	protein-coding
chr15-717	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr15	71771483	71772424	+	0	NA	intron (N	intron (N	-38601	NM_016346	10002	Hs.187354	NM_014249	ENSG0000	NR2E3	ESCS|PNR|	nuclear r	protein-coding
chr15-774	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr15	77463652	77468627	+	0	NA	intron (N	AluSp|SIN	45251	NM_001304	10363	Hs.69594	NM_018200	ENSG0000	HMG20A	HMGX1|HMG	high mobi	protein-coding
chr16-893	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr16	89302422	89305379	+	0	NA	intron (N	intron (N	7772	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG0000	LOC105371	-	uncharact	ncRNA
chr17-172	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr17	17251019	17254642	+	0	NA	intron (N	intron (N	-15662	NM_144606	201163	Hs.31652	NM_144606	ENSG0000	FLCN	BHD|DENND	folliculi	protein-coding
chr17-372	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr17	37246710	37247601	+	0	NA	intron (N	L1MC|LINE	2354	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr17-401	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr17	40146031	40147003	+	0	NA	intron (N	AluSx3|SI	5980	NM_007359	22794	Hs.743287	NM_007359	ENSG0000	CASC3	BTZ|MLN51	CASC3 exc	protein-coding
chr17-490	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr17	49052434	49053383	+	0	NA	3’ UTR (N	3’ UTR (N	55523	NM_001160	10642	Hs.144936	NM_006546	ENSG0000	IGF2BP1	CRD-BP|CF	insulin l	protein-coding
chr17-626	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr17	62608487	62614637	+	0	NA	intron (N	L1MC1|LIN	-16108	NM_006039	9902	Hs.7835	NM_006039	ENSG0000	MRC2	CD280|CLE	mannose r	protein-coding
chr19-323	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr19	32356854	32363323	+	0	NA	intron (N	intron (N	14478	NM_014910	22847	Hs.205392	NM_014910	ENSG0000	ZNF507	-	zinc fing	protein-coding
chr2-1735	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	1735018	1735585	+	0	NA	intron (N	Tigger1|D	9214	NM_012293	7837	Hs.332197	NM_012293	ENSG0000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-1560	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	15609001	15610841	+	0	NA	intron (N	intron (N	18053	NM_004939	1653	Hs.440599	NM_004939	ENSG0000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-2760	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	27605463	27606027	+	0	NA	intron (N	AluSz6|SI	22703	NM_032434	84450	Hs.529178	NM_032434	ENSG0000	ZNF512	-	zinc fing	protein-coding
chr2-6138	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	61381598	61382702	+	0	NA	intron (N	L2a|LINE|	35227	NR_003707	1E+08	Hs.675825	NR_003707	ENSG0000	SNORA70B	-	small nuc	snoRNA
chr2-9939	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	99392933	99397170	+	0	NA	intron (N	intron (N	57662	NM_015904	9669	Hs.158688	NM_015904	ENSG0000	EIF5B	IF2	eukaryoti	protein-coding
chr2-1272	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	HAL1|LINE	16316	NM_001303	2071	Hs.469872	NM_000122	ENSG0000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr2-2349	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	11545	NM_001371305								
chr20-490	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr20	49071555	49072402	+	0	NA	intron (N	AluY|SINE	25666	NM_001316	1434	Hs.90073	NM_001316	ENSG0000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr22-404	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr22	40408832	40412292	+	0	NA	TTS (NM_C	TTS (NM_C	39968	NM_001350	27352	Hs.474914	NM_015705	ENSG0000	SGSM3	CIP85|MAF	small G p	protein-coding
chr3-1625	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	16258974	16260812	+	0	NA	3’ UTR (N	3’ UTR (N	5050	NM_001047	285381	Hs.388087	NM_206831	ENSG0000	DPH3	DELGIP|DE	diphthami	protein-coding
chr3-4734	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	47344234	47345720	+	0	NA	3’ UTR (N	3’ UTR (N	-36044	NM_015466	25930	Hs.25524	NM_015466	ENSG0000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr3-5255	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	52553792	52555097	+	0	NA	intron (N	intron (N	17839	NM_001124	440957	Hs.660577	NM_001124	ENSG0000	SMIM4	C3orf78	small int	protein-coding
chr3-6411	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	64114373	64115595	+	0	NA	intron (N	L1PA13|LI	11514	NR_046701	1.01E+08	Hs.668874	NR_046701		PRICKLE2-	-	PRICKLE2	ncRNA
chr3-1368	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	intron (N	THE1B|LTR	11403	NM_006153	4690	Hs.126889	NM_006153	ENSG0000	NCK1	NCK|NCKa	NCK adapt	protein-coding
chr3-1542	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	26452	NM_020865	170506	Hs.446270	NM_020865	ENSG0000	DHX36	DDX36|G4F	DEAH-box	protein-coding
chr3-1952	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	AluY|SINE	-22983	NM_152531	152002	Hs.478741	NM_152531	ENSG0000	XXYLT1	C3orf21	xyloside	protein-coding
chr4-4236	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr4	4236407	4241229	+	0	NA	intron (N	AluJb|SIN	9405	NM_001297	85013	Hs.12845	NM_032927	ENSG0000	TMEM128	-	transmemb	protein-coding
chr4-2674	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr4	26743534	26744503	+	0	NA	intron (N	intron (N	116226	NR_134673	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr4-5260	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr4	52600029	52602405	+	0	NA	intron (N	intron (N	55322	NM_001134	64854	Hs.7966	NM_022832	ENSG0000	USP46	-	ubiquitin	protein-coding
chr4-1062	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSx|SIN	-21372	NM_001142	9255	Hs.591680	NM_004757	ENSG0000	AIMP1	EMAP2|EMA	aminoacyl	protein-coding
chr5-5459	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	5459418	5462247	+	0	NA	exon (NM_	exon (NM_	38155	NM_015325	23379	Hs.449296	NM_015325	ENSG0000	ICE1	KIAA0947	interacto	protein-coding
chr5-4329	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	43293325	43294770	+	0	NA	intron (N	intron (N	19134	NM_001324	3157	Hs.397729	NM_002130	ENSG0000	HMGCS1	HMGCS	3-hydroxy	protein-coding
chr5-6956	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	69569919	69574195	+	0	NA	intron (N	Kanga1c|D	11812	NM_001098	728340	Hs.191356	NM_001098	ENSG0000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr5-7231	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	72311352	72312013	+	0	NA	intron (N	MSTC|LTR|	8558	NM_001286	23107	Hs.482491	NM_015084	ENSG0000	MRPS27	MRP-S27|S	mitochond	protein-coding
chr5-1353	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	MIRc|SINE	12175	NM_138609	9555	Hs.420272	NM_004893	ENSG0000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr5-1764	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	AluSx1|SI	39718	NM_014613	23197	Hs.484242	NM_014613	ENSG0000	FAF2	ETEA|UBXD	Fas assoc	protein-coding
chr5-1805	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	24310	NM_001370	57472	Hs.608380	NM_015455	ENSG0000	CNOT6	CCR4|Ccr4	CCR4-NOT	protein-coding
chr6-2827	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	28272361	28274047	+	0	NA	intron (N	AluJo|SIN	5845	NM_001287	7741	Hs.157883	NM_007151	ENSG0000	ZSCAN26	SRE-ZBP|S	zinc fing	protein-coding
chr6-3586	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	35866768	35868173	+	0	NA	intron (N	intron (N	53628	NM_003137	6732	Hs.443861	NM_003137	ENSG0000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr6-3651	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	36512305	36513572	+	0	NA	intron (N	AluSx|SIN	34541	NM_007271	11329	Hs.409578	NM_007271	ENSG0000	STK38	NDR|NDR1	serine/th	protein-coding
chr6-4760	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	47609449	47610298	+	0	NA	intron (N	intron (N	-46599	NM_153839	222611	Hs.724860	NM_153839	ENSG0000	ADGRF2	GPR111|PC	adhesion	protein-coding
chr6-8963	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	89635201	89636374	+	0	NA	non-codin	non-codin	2710	NR_028494	57226	Hs.177275	NM_020466	ENSG0000	LYRM2	DJ12208.2	LYR motif	protein-coding
chr6-1115	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	TTS (NR_C	TTS (NR_C	-11671	NM_001164	10758	Hs.561514	NM_147200	ENSG0000	TRAF3IP2	ACT1|C6or	TRAF3 int	protein-coding
chr7-4980	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr7	4980394	4982138	+	0	NA	intron (N	intron (N	7281	NR_023385	441191	Hs.520636	NR_015449	ENSG0000	RNF216P1	RNF216L|h	ring fing	pseudo
chr7-5684	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr7	5684694	5685756	+	0	NA	intron (N	intron (N	-4764	NR_046834	1.01E+08	Hs.665728	NR_046834	ENSG0000	RNF216-IT	-	RNF216 in	ncRNA
chr7-9939	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr7	99393994	99395233	+	0	NA	TTS (NM_C	TTS (NM_C	13984	NM_014891	11333	Hs.632296	NM_014891	ENSG0000	PDAP1	HASPP28|F	PDGFA ass	protein-coding
chr7-1285	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJb|SIN	71806	NM_018396	55798	Hs.433213	NM_018396	ENSG0000	METTL2B	METL|METT	methyltra	protein-coding
chr7-1309	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	MER20B|DN	45775	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chr8-4294	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr8	42946906	42952611	+	0	NA	intron (N	AluSc|SIN	52780	NM_032410	84376	Hs.162852	NM_032410	ENSG0000	HOOK3	HK3	hook micr	protein-coding
chr8-9812	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr8	98120456	98122150	+	0	NA	intron (N	intron (N	3463	NM_015029	10940	Hs.252828	NM_015029	ENSG0000	POP1	ANXD2	POP1 homo	protein-coding
chr8-1178	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	L1M5|LINE	93893	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr9-3306	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	33064844	33066912	+	0	NA	intron (N	HAL1|LINE	10796	NM_018225	55234	Hs.655351	NM_018225	ENSG0000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr9-1101	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSc|SIN	-6310	NM_001136	445815	Hs.591908	NM_007203	ENSG0000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1105	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	31844	NM_153366	79987	Hs.522334	NM_153366	ENSG0000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr9-1122	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	65602	NM_001244	9991	Hs.269988	NM_005156	ENSG0000	PTBP3	ROD1	polypyrim	protein-coding
chr9-1275	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	9250	NM_022833	64855	Hs.522401	NM_022833	ENSG0000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr9-1312	6.914045	-0.1601	0.874155	-0.18315	0.854684	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	12200	NM_001318	8021	Hs.654530	NM_005085	ENSG0000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr17-143	6.181368	0.177993	0.972487	0.183029	0.854775	0.981636	chr17	1433365	1433629	+	0	NA	intron (N	AluJb|SIN	22735	NM_016823	1398	Hs.461896	NM_005206	ENSG0000	CRK	CRKII|p38	CRK proto	protein-coding
chr10-120	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	14149	NM_018117	55717	Hs.144447	NM_018117	ENSG0000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr12-500	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr12	50086666	50087858	+	0	NA	intron (N	intron (N	1920	NM_003076	6602	Hs.79335	NM_003076	ENSG0000	SMARCD1	BAF60A|CF	SWI/SNF r	protein-coding
chr13-772	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr13	77292882	77293081	+	0	NA	intron (N	AluSx1|SI	34113	NM_015057	23077	Hs.591221	NM_015057	ENSG0000	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr3-1155	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr3	11559340	11559713	+	0	NA	intron (N	intron (N	9272	NM_001128	9686	Hs.740389	NM_014667	ENSG0000	VGLL4	VGL-4	vestigial	protein-coding
chr5-4370	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr5	43702772	43703260	+	0	NA	intron (N	intron (N	-99786	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr9-1326	6.872906	-0.16294	0.89171	-0.18273	0.855013	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20001	NM_001322	64794	Hs.660767	NM_022779	ENSG0000	DDX31	PPP1R25	DEAD-box	protein-coding
chr10-294	11.68211	-0.12687	0.694401	-0.18271	0.855025	0.981636	chr10	29464965	29465705	+	0	NA	intron (N	MIR|SINE|	55092	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG0000	SVIL-AS1	-	SVIL anti	ncRNA
chr8-2776	9.726356	0.140913	0.771254	0.182707	0.855028	0.981636	chr8	27761953	27762356	+	0	NA	intron (N	intron (N	10486	NR_156432	55246	Hs.445512	NM_018246	ENSG0000	CCDC25	-	coiled-co	protein-coding
chr16-235	7.334362	-0.1594	0.873155	-0.18256	0.855145	0.981636	chr16	23571383	23571635	+	0	NA	3’ UTR (N	3’ UTR (N	13782	NM_019116	56061	Hs.3459	NM_019116	ENSG0000	UBFD1	UBPH	ubiquitin	protein-coding
chr10-120	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr10	12093858	12094973	+	0	NA	intron (N	AluSx|SIN	25461	NM_018706	55526	Hs.104980	NM_018706	ENSG0000	DHTKD1	AMOXAD|CM	dehydroge	protein-coding
chr10-982	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr10	98247932	98250500	+	0	NA	intron (N	LTR33|LTR	18978	NM_032211	84171	Hs.306814	NM_032211	ENSG0000	LOXL4	LOXC	lysyl oxi	protein-coding
chr12-494	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr12	49498876	49500620	+	0	NA	intron (N	L1MEc|LIN	-39282	NM_001314	23416	Hs.64064	NM_012284	ENSG0000	KCNH3	BEC1|ELK2	potassium	protein-coding
chr12-661	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr12	66150723	66151265	+	0	NA	intron (N	intron (N	19078	NM_001282	51643	Hs.505934	NM_016056	ENSG0000	TMBIM4	CGI-119|C	transmemb	protein-coding
chr14-607	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr14	60798429	60799299	+	0	NA	intron (N	intron (N	64103	NM_002431	4331	Hs.509523	NM_002431	ENSG0000	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr14-730	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr14	73009893	73011260	+	0	NA	intron (N	AluSp|SIN	16530	NM_021260	53349	Hs.335106	NM_021260	ENSG0000	ZFYVE1	DFCP1|PPF	zinc fing	protein-coding
chr16-850	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr16	85068101	85068846	+	0	NA	intron (N	AluY|SINE	5261	NM_001286	9764	Hs.301658	NM_014732	ENSG0000	KIAA0513	-	KIAA0513	protein-coding
chr17-188	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr17	18898830	18899342	+	0	NA	intron (N	AluSp|SIN	33617	NM_001243	5636	Hs.632236	NM_002767	ENSG0000	PRPSAP2	PAP41	phosphori	protein-coding
chr19-326	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr19	32622477	32623199	+	0	NA	intron (N	AluJo|SIN	-14369	NR_145718	1.1E+08		NR_145718	ENSG0000	SNORA68B	-	small nuc	snoRNA
chr20-356	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr20	35631700	35632582	+	0	NA	intron (N	intron (N	16257	NM_001317	6676	Hs.123159	NM_003116	ENSG0000	SPAG4	CT127|SUN	sperm ass	protein-coding
chr22-222	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr22	22289157	22290457	+	0	NA	Intergeni	Intergeni	-8291	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr3-1936	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	-66347	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG0000	OPA1-AS1	-	OPA1 anti	ncRNA
chr4-1479	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA3|LIN	122396	NR_039962	1.01E+08		NR_039962	ENSG0000	MIR4799	-	microRNA	ncRNA
chr7-7650	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr7	76504534	76506276	+	0	NA	exon (NM_	exon (NM_	-5018	NM_182684	1.05E+08	Hs.488861	NM_030570	ENSG0000	UPK3B	P35|UP3B|	uroplakin	protein-coding
chr9-1340	5.19605	0.182232	0.999186	0.182381	0.855284	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-12826	NR_135126	1E+08	Hs.671096	NR_135126	ENSG0000	LOC100130	-	uncharact	ncRNA
chr1-8654	7.22955	0.157424	0.863291	0.182353	0.855306	0.981636	chr1	8654286	8655864	+	0	NA	intron (N	intron (N	-160162	NR_132752	1.07E+08		NR_132752		SNORD128	ZL43	small nuc	snoRNA
chr1-3167	7.22955	0.157424	0.863291	0.182353	0.855306	0.981636	chr1	31671261	31672510	+	0	NA	intron (N	L2a|LINE|	-27009	NR_033686	553115	Hs.470417	NM_012392	ENSG0000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr13-321	7.22955	0.157424	0.863291	0.182353	0.855306	0.981636	chr13	32122410	32123084	+	0	NA	intron (N	L1PB|LINE	90973	NM_023037	10129	Hs.507669	NM_023037	ENSG0000	FRY	13CDNA73|	FRY micro	protein-coding
chr15-422	7.22955	0.157424	0.863291	0.182353	0.855306	0.981636	chr15	42256515	42257587	+	0	NA	3’ UTR (N	3’ UTR (N	16382	NM_015497	25963	Hs.511138	NM_015497	ENSG0000	TMEM87A	-	transmemb	protein-coding
chr9-9591	7.22955	0.157424	0.863291	0.182353	0.855306	0.981636	chr9	95916178	95917231	+	0	NA	intron (N	AluSx|SIN	40696	NM_001010	375748	Hs.432364	NM_020207	ENSG0000	ERCC6L2	BMFS2|C9c	ERCC exci	protein-coding
chr10-295	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr10	29525107	29526540	+	0	NA	intron (N	intron (N	19274	NR_030335	693189		NR_030335	ENSG0000	MIR604	MIRN604|h	microRNA	ncRNA
chr12-352	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr12	35252873	35253811	+	0	NA	Intergeni	ALR/Alpha	1230846	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr12-100	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	-20107	NM_001145	246213	Hs.116871	NM_139319	ENSG0000	SLC17A8	DFNA25|VC	solute ca	protein-coding
chr14-230	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr14	23025354	23026093	+	0	NA	TTS (NM_C	TTS (NM_C	9177	NM_002797	5693	Hs.422990	NM_002797	ENSG0000	PSMB5	LMPX|MB1|	proteasom	protein-coding
chr14-582	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr14	58225862	58228221	+	0	NA	intron (N	Tigger13a	-17764	NR_038123	5684	Hs.558799	NM_002788	ENSG0000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr16-353	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr16	3532578	3533413	+	0	NA	intron (N	intron (N	23101	NM_024793	23059	Hs.155995	NM_015041	ENSG0000	CLUAP1	CFAP22|FA	clusterin	protein-coding
chr16-469	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr16	46923875	46924466	+	0	NA	intron (N	intron (N	-37696	NR_145840	1.1E+08		NR_145840		SNORD148	-	small nuc	snoRNA
chr16-695	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr16	69582187	69583543	+	0	NA	intron (N	L1M4|LINE	16899	NM_138713	10725	Hs.371987	NM_006599	ENSG0000	NFAT5	NF-AT5|NF	nuclear f	protein-coding
chr17-650	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr17	65012080	65013441	+	0	NA	3’ UTR (N	3’ UTR (N	-37175	NR_026903	201283	Hs.396447	NM_153032	ENSG0000	AMZ2P1	-	archaelys	pseudo
chr2-8793	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr2	8793142	8794411	+	0	NA	intron (N	intron (N	43837	NM_001348	57498	Hs.9873	NM_020738	ENSG0000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr2-9529	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr2	9529335	9530288	+	0	NA	intron (N	AluSx1|SI	26019	NM_003183	6868	Hs.404914	NM_003183	ENSG0000	ADAM17	ADAM18|CD	ADAM meta	protein-coding
chr2-1179	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	83145	NM_019044	54520	Hs.107845	NM_019044	ENSG0000	CCDC93	-	coiled-co	protein-coding
chr20-387	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr20	38756122	38756627	+	0	NA	intron (N	L2c|LINE|	7914	NM_024855	79913	Hs.371585	NM_024855	ENSG0000	ACTR5	Arp5|INO8	actin rel	protein-coding
chr3-4704	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr3	47045248	47046254	+	0	NA	intron (N	intron (N	34209	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr3-6389	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr3	63898622	63900447	+	0	NA	intron (N	AluJo|SIN	1135	NM_001177	6314	Hs.476595	NM_000333	ENSG0000	ATXN7	ADCAII|OF	ataxin 7	protein-coding
chr3-1291	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	6929	NM_001204	339122	Hs.381132	NM_198490	ENSG0000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr7-1025	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	4763	NM_001363	1.08E+08		NM_001363	ENSG0000	UPK3BL2	-	uroplakin	protein-coding
chr8-9477	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr8	94772525	94773664	+	0	NA	intron (N	AluSx1|SI	-50193	NM_017864	55656	Hs.727669	NM_017864	ENSG0000	INTS8	C8orf52|I	integrato	protein-coding
chr9-1285	6.2128	0.167726	0.920296	0.182252	0.855385	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-20407	NM_001195	6709	Hs.372331	NM_003127	ENSG0000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr3-1029	6.378167	-0.17239	0.947406	-0.18196	0.855614	0.981636	chr3	10296783	10297514	+	0	NA	Intergeni	AluSx|SIN	-4201	NM_001134	51738	Hs.590080	NM_016362	ENSG0000	GHRL	MTLRP	ghrelin a	protein-coding
chr12-566	12.62258	-0.1206	0.663541	-0.18175	0.855782	0.981636	chr12	56637801	56645028	+	0	NA	intron (N	intron (N	2340	NR_003046	692090		NR_003046		SNORD59B	U59B	small nuc	snoRNA

chr15-929	12.62258	-0.1206	0.663541	-0.18175	0.855782	0.981636	chr15	92931351	92959875	+	0	NA	intron (N	AluSx1|SI	41214	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr18-494	12.62258	-0.1206	0.663541	-0.18175	0.855782	0.981636	chr18	49487821	49491602	+	0	NA	promoter-	promoter-	-387	NR_003701	1E+08		NR_003701		SNORD58C	U58	small nuc	snoRNA
chr20-357	12.62258	-0.1206	0.663541	-0.18175	0.855782	0.981636	chr20	35703073	35740984	+	0	NA	intron (N	L1MB4|LIN	20232	NR_040723	9584	Hs.282901	NM_004902	ENSG00000	RBM39	CAPER|CAF	RNA bindi	protein-coding
chr8-1308	12.62258	-0.1206	0.663541	-0.18175	0.855782	0.981636	chr8	13082998	13105246	+	0	NA	intron (N	intron (N	22122	NM_001164	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|H	DLC1 Rho	protein-coding
chr16-224	13.57878	-0.11728	0.64577	-0.18162	0.855881	0.981636	chr16	22462649	22462848	+	0	NA	intron (N	AluSc|SIN	-25033	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr11-741	8.709606	0.145949	0.804304	0.18146	0.856006	0.981636	chr11	74166528	74168236	+	0	NA	intron (N	intron (N	3620	NM_015531	26005	Hs.557938	NM_015531	ENSG00000	C2CD3	OFD14	C2 domain	protein-coding
chr7-3566	13.13304	-0.11976	0.660191	-0.1814	0.856053	0.981636	chr7	35664700	35666557	+	0	NA	intron (N	L1PA5|LIN	29507	NM_022373	64224	Hs.643051	NM_022373	ENSG00000	HERPUD2	-	HERPUD fa	protein-coding
chr17-619	7.741854	0.152419	0.840924	0.181251	0.85617	0.981636	chr17	61909238	61910228	+	0	NA	intron (N	L1PB4|LIN	18249	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr19-277	5.95785	-0.17449	0.963518	-0.18109	0.856294	0.981636	chr19	2777487	2778052	+	0	NA	intron (N	AluSx1|SI	5504	NM_003021	6449	Hs.203910	NM_003021	ENSG00000	SGTA	SGT|alpha	small glu	protein-coding
chr1-2006	6.725104	0.161092	0.890422	0.180917	0.856433	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	MER58D|DN	10424	NM_001320	83479	Hs.497332	NM_031306	ENSG00000	DDX59	OFD5|ZNHI	DEAD-box	protein-coding
chr13-111	6.725104	0.161092	0.890422	0.180917	0.856433	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	-29960	NM_001303	121793	Hs.210677	NM_152324	ENSG00000	TEX29	C13orf16|	testis ex	protein-coding
chr2-2194	6.725104	0.161092	0.890422	0.180917	0.856433	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	-12446	NM_001173	10290	Hs.21639	NM_005876	ENSG00000	SPEG	APEG-1|AP	striated	protein-coding
chr19-153	8.197302	0.15003	0.829585	0.18085	0.856485	0.981636	chr19	15341803	15342058	+	0	NA	Intergeni	MER58B|DN	-9391	NM_001330	23476	Hs.187763	NM_014299	ENSG00000	BRD4	CAP|HUNK1	bromodoma	protein-coding
chr1-4601	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr1	46010464	46011322	+	0	NA	exon (NM_	exon (NM_	119780	NM_001328	8503	Hs.655387	NM_003629	ENSG00000	PIK3R3	p55|p55-G	phosphoin	protein-coding
chr1-2238	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSx1|SI	27367	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASP	tumor pro	protein-coding
chr10-738	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr10	73813638	73814622	+	0	NA	non-codin	non-codin	-2310	NR_160743	8509	Hs.654758	NM_003635	ENSG00000	NDST2	HSST2|N-H	N-deacety	protein-coding
chr10-110	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-94658	NR_038943	1.01E+08	Hs.604103	NR_038943		ADD3-AS1	-	ADD3 anti	ncRNA
chr15-225	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr15	22571357	22572044	+	0	NA	intron (N	intron (N	46154	NM_001282	653073	Hs.574257	NM_001282	ENSG00000	GOLGA8J	-	golgin A8	protein-coding
chr15-412	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr15	41276520	41277390	+	0	NA	intron (N	MLT1J|LTR	-7035	NR_152822	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr15-851	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr15	85116840	85118431	+	0	NA	intron (N	intron (N	117146	NR_158179	1.02E+08	Hs.681665	NR_158179		LOC101929	-	golgin A2	pseudo
chr17-658	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr17	6580848	6582410	+	0	NA	intron (N	L1MC4a|LI	-25074	NM_001165	83394	Hs.183983	NM_031220	ENSG00000	PITPNM3	ACKR6|COR	PITPNM fa	protein-coding
chr18-764	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr18	76432562	76434311	+	0	NA	intron (N	intron (N	-58216	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-8484	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr4	84848183	84850003	+	0	NA	intron (N	HAL1|LINE	-116523	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr8-2240	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr8	22404938	22406144	+	0	NA	intron (N	intron (N	12705	NM_001351	23516	Hs.491232	NM_015359	ENSG00000	SLC39A14	HCIN|HMND	solute ca	protein-coding
chr9-1298	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	9847	NM_000113	1861	Hs.534312	NM_000113	ENSG00000	TOR1A	DQ2|DYT1	torsin fa	protein-coding
chr9-1370	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	11318	NR_045720	11253	Hs.279881	NM_016219	ENSG00000	MAN1B1	ERMAN1|ER	mannosida	protein-coding
chrX-4118	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chrX	41188235	41191362	+	0	NA	intron (N	intron (N	-85941	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chrX-1183	5.708354	0.173069	0.957167	0.180814	0.856514	0.981636	chrX	1.18E+08	1.18E+08	+	0	NA	intron (N	Tigger15a	13096	NR_031685	1E+08		NR_031685	ENSG00000	MIR1277	MIRN1277|	microRNA	ncRNA
chr1-6643	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr1	6643885	6645466	+	0	NA	intron (N	intron (N	19525	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-1516	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	MSTA1|LTR	48739	NM_001172	11189	Hs.26047	NM_007185	ENSG00000	CELF3	BRUNOL1|C	CUGBP Ela	protein-coding
chr10-332	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr10	33224705	33225836	+	0	NA	intron (N	intron (N	-108463	NR_160030	1.02E+08		NR_160030		IATPR	TCONS_000	ITGB1 adj	ncRNA
chr11-748	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr11	74887474	74888716	+	0	NA	intron (N	L1PA4|LIN	60996	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr13-197	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr13	19734597	19735355	+	0	NA	intron (N	AluSx|SIN	47969	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-213	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr13	21385442	21386454	+	0	NA	intron (N	L1MEc|LIN	-41089	NR_103841	1.01E+08	Hs.659198	NR_103840		LINC00539	LINC00422	long inte	ncRNA
chr14-509	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr14	50932297	50933131	+	0	NA	intron (N	MLT1M|LTR	11769	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr19-585	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr19	58583117	58583928	+	0	NA	non-codin	non-codin	8123	NR_026052	65996	Hs.541177	NM_023939	ENSG00000	CENPBD1P1	-	CENPB DNA	pseudo
chr2-3699	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr2	36998970	37002138	+	0	NA	intron (N	intron (N	-34018	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr3-1179	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr3	11798317	11799613	+	0	NA	intron (N	AluJo|SIN	47920	NM_001321	132001	Hs.475472	NM_138807	ENSG00000	TAMM41	C3orf31|F	TAM41 mit	protein-coding
chr4-1836	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	10627	NM_152682	201965	Hs.133337	NM_152682	ENSG00000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr5-3707	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr5	37078950	37079721	+	0	NA	Intergeni	L1PA11|LI	-169711	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-1530	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr6	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	-40581	NM_001301	54516	Hs.225836	NM_019041	ENSG00000	MTRF1L	HMRF1L|MR	mitochond	protein-coding
chr7-1522	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	155062	NM_001371474								
chrX-1347	6.452589	-0.1644	0.909524	-0.18075	0.856561	0.981636	chrX	1.35E+08	1.35E+08	+	0	NA	intron (N	L1ME2z|LI	9333	NM_145284	159090	Hs.404706	NM_145284	ENSG00000	FAM122B	SPACIA2	family wi	protein-coding
chr1-3984	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr1	39843135	39843878	+	0	NA	intron (N	intron (N	39998	NM_017646	54802	Hs.356554	NM_017646	ENSG00000	TRIT1	COXPD35|C	tRNA isop	protein-coding
chr12-120	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	2693	NM_001330	9921	Hs.442798	NM_014868	ENSG00000	RNF10	RIE2	ring fing	protein-coding
chr13-407	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr13	40753721	40754076	+	0	NA	intron (N	intron (N	17292	NM_005830	10240	Hs.596607	NM_005830	ENSG00000	MRPS31	IMOGN38|M	mitochond	protein-coding
chr5-1038	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr5	10381430	10382702	+	0	NA	intron (N	intron (N	-20298	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-3238	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr5	32381945	32383759	+	0	NA	intron (N	intron (N	11623	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr6-9954	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr6	99544956	99545484	+	0	NA	exon (NM_	exon (NM_	23440	NM_005190	892	Hs.430646	NM_005190	ENSG00000	CCNC	CycC|SRB1	cyclin C	protein-coding
chr6-1587	7.367644	-0.15462	0.855641	-0.18071	0.856596	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	-2161	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chr12-108	8.717464	0.144089	0.797445	0.180688	0.856612	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MIRc|SINE	16855	NM_014706	9733	Hs.584842	NM_014706	ENSG00000	SART3	DSAP1|P10	spliceoso	protein-coding
chr15-309	8.20516	0.148019	0.81991	0.180531	0.856736	0.981636	chr15	30941351	30941796	+	0	NA	exon (NM_	exon (NM_	37658	NM_014967	22909	Hs.584863	NM_014967	ENSG00000	FAN1	KIAA1018|	FANCD2 an	protein-coding
chr3-1137	8.20516	0.148019	0.81991	0.180531	0.856736	0.981636	chr3	11373236	11373652	+	0	NA	intron (N	intron (N	101047	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chrX-1673	8.20516	0.148019	0.81991	0.180531	0.856736	0.981636	chrX	16737968	16738568	+	0	NA	intron (N	AluSz6|SI	18656	NM_032796	94056	Hs.744256	NM_032796	ENSG00000	SYAP1	BSTA|PRO3	synapse a	protein-coding
chr3-1195	7.424499	-0.15587	0.865512	-0.18009	0.857082	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz|SIN	22795	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr11-108	7.692856	0.152515	0.846917	0.180082	0.857088	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJb|SIN	12838	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr1-2205	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr1	22056764	22060004	+	0	NA	intron (N	intron (N	5675	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|C	cell divi	protein-coding
chr1-2783	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr1	27839535	27840554	+	0	NA	intron (N	AluJo|SIN	5643	NR_002997	677774	Hs.689694	NR_002997	ENSG00000	SCARNA1	ACA35	small Caj	ncRNA
chr1-2469	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSx|SIN	3915	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-459	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr10	45982723	45987058	+	0	NA	TTS (NR_1	TTS (NR_1	282	NR_145721	1.1E+08		NR_145721	ENSG00000	SNORA74C-	-	small nuc	snoRNA
chr13-771	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr13	77175193	77175916	+	0	NA	intron (N	intron (N	100040	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr13-110	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MC1|LIN	24036	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr14-225	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr14	22567446	22570056	+	0	NA	intron (N	AluJo|SIN	-11689	NR_146543	1.05E+08		NR_146543	ENSG00000	LINC02332	-	long inte	ncRNA
chr14-677	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr14	67767597	67768623	+	0	NA	intron (N	intron (N	48480	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-899	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr14	89986237	89986748	+	0	NA	intron (N	intron (N	30565	NM_018319	55775	Hs.209945	NM_018319	ENSG00000	TDP1	-	tyrosyl-D	protein-coding
chr14-102	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-68518	NM_001199	7187	Hs.510528	NM_003300	ENSG00000	TRAF3	CAP-1|CAF	TNF recep	protein-coding
chr16-222	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr16	22280013	22283920	+	0	NA	intron (N	MLT1A|LTR	-15409	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr17-756	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr17	756809	761089	+	0	NA	TTS (NM_0	TTS (NM_0	6616	NR_024120	1E+08	Hs.662289	NR_024120	ENSG00000	DBIL5P	ELP2P	diazepam	pseudo
chr17-444	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr17	44431411	44435203	+	0	NA	intron (N	intron (N	3544	NM_001304	23131	Hs.463129	NM_001002	ENSG00000	GPATCH8	GPATC8|KI	G-patch d	protein-coding
chr17-644	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr17	64489735	64492543	+	0	NA	intron (N	FAM|SINE|	5915	NM_007215	11232	Hs.437009	NM_007215	ENSG00000	POLG2	HP55|MTPC	DNA polym	protein-coding
chr18-124	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr18	12464414	12464860	+	0	NA	intron (N	intron (N	31863	NR_136514	1.05E+08	Hs.515283	NR_136514		LOC105371	-	uncharact	ncRNA
chr19-458	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr19	45850886	45854156	+	0	NA	exon (NM_	exon (NM_	10626	NM_004819	8189	Hs.515475	NM_004819	ENSG00000	SYMPK	SPK|SYM	symplekin	protein-coding
chr19-528	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr19	52894653	52895225	+	0	NA	intron (N	intron (N	2696	NM_001351	162967	Hs.369632	NM_207333	ENSG00000	ZNF320	ZFPL	zinc fing	protein-coding
chr2-1577	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	intron (N	L1M2|LINE	80964	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr2-1897	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	AluSx1|SI	8427	NM_001321	5378	Hs.111749	NM_000534	ENSG00000	PMS1	HNPCC3|ML	PMS1 homo	protein-coding
chr3-4449	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr3	44497474	44498090	+	0	NA	TTS (NM_0	TTS (NM_0	12835	NM_001287	285346	Hs.648974	NM_001287	ENSG00000	ZNF852	-	zinc fing	protein-coding
chr3-9879	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr3	98799295	98800357	+	0	NA	exon (NM_	exon (NM_	36519	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr4-1229	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	15958	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr5-3715	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr5	37152186	37152944	+	0	NA	intron (N	intron (N	-96481	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-6237	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr5	62376451	62378747	+	0	NA	intron (N	intron (N	26306	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr6-3113	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr6	3113048	3114058	+	0	NA	3’ UTR (N	3’ UTR (N	-4823	NR_026649	670	Hs.10136	NM_004332	ENSG00000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr6-1308	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	41973	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr7-7411	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr7	74113698	74114481	+	0	NA	intron (N	AluSx1|SI	20872	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr7-1300	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSc5|SI	23205	NM_001363	51530	Hs.194157	NM_016478	ENSG00000	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr9-5707	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr9	5707673	5709167	+	0	NA	intron (N	L1MB5|LIN	79301	NM_001206	57589	Hs.211520	NM_020829	ENSG00000	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr9-1100	6.906187	-0.15815	0.878265	-0.18007	0.857101	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	9916	NM_001198	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr11-108	7.416641	-0.15388	0.855341	-0.17991	0.857225	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	76342	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr19-101	7.416641	-0.15388	0.855341	-0.17991	0.857225	0.981636	chr19	10134793	10135860	+	0	NA	intron (N	intron (N	-15427	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr2-1209	7.416641	-0.15388	0.855341	-0.17991	0.857225	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	180093	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr5-1384	7.416641	-0.15388	0.855341	-0.17991	0.857225	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-22436	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr15-520	7.8291	-0.15198	0.845604	-0.17973	0.857364	0.981636	chr15	52048490	52048689	+	0	NA	intron (N	AluSq|SIN	29370	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr3-1620	7.237408	0.155439	0.865707	0.179551	0.857505	0.981636	chr3	16201177	16201805	+	0	NA	intron (N	intron (N	-15285	NM_001319	117248	Hs.411308	NM_054110	ENSG00000	GALNT15	GALNACT15	polypepti	protein-coding
chr5-1720	7.237408	0.155439	0.865707	0.179551	0.857505	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MIRb|SINE	-47482	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box and	protein-coding
chr10-879	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr10	87912106	87913739	+	0	NA	intron (N	L1MB3|LIN	49297	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr11-134	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr11	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-10133	NR_145790	1.1E+08		NR_145790		SNORD153	-	small nuc	snoRNA
chr2-8443	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr2	84439450	84443075	+	0	NA	exon (NM_	exon (NM_	18018	NM_003849	8802	Hs.270428	NM_003849	ENSG00000	SUCLG1	GALPHA|MT	succinate	protein-coding
chr22-241	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr22	24171771	24173812	+	0	NA	intron (N	intron (N	-8696	NM_019601	56241	Hs.131819	NM_019601	ENSG00000	SUSD2	BK65A6.2|	sushi dom	protein-coding
chr22-300	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr22	30020658	30020985	+	0	NA	exon (NM_	exon (NM_	13772	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr3-5275	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr3	52758765	52759754	+	0	NA	intron (N	AluJb|SIN	11681	NM_001348	6787	Hs.631921	NM_003157	ENSG00000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr4-5332	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr4	5332256	5333540	+	0	NA	intron (N	L1PA3|LIN	-191671	NR_126519	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr4-1836	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	23965	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr9-1217	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	26295	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chrX-2960	7.700714	0.15047	0.838541	0.179443	0.85759	0.981636	chrX	296042	296975	+	0	NA	intron (N	intron (N	13030	NM_001370	55344	Hs.522568	NM_018390	ENSG00000	PLCXD1	LL0XNC01-	phosphati	protein-coding
chr14-203	8.213018	0.146126	0.814374	0.179434	0.857597	0.981636	chr14	20324032	20326486	+	0	NA	intron (N	AluYa5|SI	1280	NR_003693	1E+08		NR_003693		SNORD126	MIR1201|M	small nuc	snoRNA
chr17-208	8.213018	0.146126	0.814374	0.179434	0.857597	0.981636	chr17	2080901	2081447	+	0	NA	intron (N	intron (N	7587	NM_001282	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr3-4462	8.213018	0.146126	0.814374	0.179434	0.857597	0.981636	chr3	44629236	44629645	+	0	NA	non-codin	non-codin	4404	NM_006991	10168	Hs.157035	NM_006991	ENSG00000	ZNF197	D3S1363E|	zinc fing	protein-coding
chr8-8995	8.213018	0.146126	0.814374	0.179434	0.857597	0.981636	chr8	89958224	89958762	+	0	NA	intron (N	MER58B|DN	26178	NM_002485	4683	Hs.492208	NM_002485	ENSG00000	NBN	AT-V1|AT-	nibrin	protein-coding
chr10-792	7.432357	-0.15797	0.880437	-0.17943	0.857602	0.981636	chr10	79226713	79227535	+	0	NA	intron (N	MIR|SINE|	-120345	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr12-121	10.19752	0.136694	0.762484	0.179275	0.857722	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	4600	NR_106957	1.02E+08		NR_106957	ENSG00000	MIR7107	hsa-mir-7	microRNA	ncRNA
chr16-234	7.180552	0.157684	0.879759	0.179236	0.857753	0.981636	chr16	23467275	23467474	+	0	NA	3’ UTR (N	3’ UTR (N	-14185	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr3-1855	7.180552	0.157684	0.879759	0.179236	0.857753	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	AluSp|SIN	11618	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr5-3704	7.180552	0.157684	0.879759	0.179236	0.857753	0.981636	chr5	37049192	37050425	+	0	NA	intron (N	intron (N	173039	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr22-503	8.725322	0.142331	0.794182	0.179217	0.857768	0.981636	chr22	50376486	50376849	+	0	NA	intron (N	AluSz6|SI	-30775	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr7-4291	8.725322	0.142331	0.794182	0.179217	0.857768	0.981636	chr7	42919206	42919468	+	0	NA	intron (N	intron (N	-7247	NM_001099	79020	Hs.698120	NM_024054	ENSG00000	C7orf25	-	chromosom	protein-coding
chr1-1136	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	Intergeni	L2|LINE|L	63647	NM_006608	10745	Hs.655824	NM_006608	ENSG00000	PHTF1	PHTF	putative	protein-coding
chr11-625	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr11	62584146	62585292	+	0	NA	intron (N	AluSx1|SI	6804	NM_001367	64852	Hs.728983	NM_022830	ENSG00000	TUT1	PAPD2|RBM	terminal	protein-coding
chr20-321	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr20	32136120	32136777	+	0	NA	intron (N	intron (N	26720	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr20-490	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr20	49011175	49012137	+	0	NA	intron (N	intron (N	34400	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr5-1379	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	MER11C|LT	-55205	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr6-1438	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L1ME3G|LI	-33097	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr7-1569	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21786	NM_138400	64434	Hs.15825	NM_138400	ENSG00000	NOM1	C7orf3|PP	nucleolar	protein-coding
chr7-1588	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	18916	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SF	WD repeat	protein-coding
chr9-1274	6.220658	0.165423	0.923248	0.179175	0.8578	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1ME4a|LI	29731	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding

chr10-309	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr10	30993940	30994669	+	0	NA	intron (N	MSTC|LTR|	5213	NM_001143	220929	Hs.660642	NM_182755	ENSG00000	ZNF438	bA330011.	zinc fing	protein-coding
chr12-123	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	3’ UTR (N	3’ UTR (N	35072	NM_001304	80212	Hs.114111	NM_025140	ENSG00000	CCDC92	-	coiled-cc	protein-coding
chr14-105	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10031	NM_017955	55038	Hs.34045	NM_017955	ENSG00000	CDCA4	HEPP|SEI-	cell divi	protein-coding
chr19-114	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr19	11442778	11443219	+	0	NA	intron (N	AluSx1|SI	-7216	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-cc	protein-coding
chr3-1137	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME2z|LI	-45872	NM_017577	54762	Hs.24583	NM_017577	ENSG00000	GRAMD1C	-	GRAM doma	protein-coding
chr5-8857	7.18841	0.155467	0.867697	0.179172	0.857803	0.981636	chr5	885706	886089	+	0	NA	intron (N	intron (N	6625	NR_134296	65980	Hs.449278	NM_023924	ENSG00000	BRD9	LAVS3040|	bromodoma	protein-coding
chr10-619	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr10	61978986	61979702	+	0	NA	intron (N	intron (N	-70013	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-111	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	TTS (NM_1	TTS (NM_1	40150	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr17-365	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr17	36574358	36575905	+	0	NA	intron (N	intron (N	-16748	NM_024308	79154	Hs.462859	NM_024308	ENSG00000	DHRS11	ARPG836|S	dehydroge	protein-coding
chr19-139	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr19	13914638	13915606	+	0	NA	intron (N	Charlie2b	8921	NM_017721	54862	Hs.269592	NM_017721	ENSG00000	CC2D1A	FREUD-1|F	coiled-cc	protein-coding
chr20-628	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr20	62856848	62857955	+	0	NA	exon (NM_	exon (NM_	4421	NM_006602	10732	Hs.126248	NM_006602	ENSG00000	TCFL5	CHA|E2BP-	transcrip	protein-coding
chr22-300	6.955185	-0.15733	0.878961	-0.17899	0.857943	0.981636	chr22	30006631	30008083	+	0	NA	TTS (NR_1	TTS (NR_1	308	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr10-133	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSp|SIN	13650	NM_138384	92170	Hs.501578	NM_138384	ENSG00000	MTG1	GTP|GTPBP	mitochond	protein-coding
chr11-106	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr11	10628076	10634116	+	0	NA	intron (N	MLT1K|LTR	21205	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr13-210	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr13	21042470	21043613	+	0	NA	intron (N	intron (N	18545	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr13-113	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-18875	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr16-211	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr16	21176049	21176565	+	0	NA	intron (N	Charlie1b	-16866	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr16-744	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr16	74494428	74496417	+	0	NA	intron (N	intron (N	-73952	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr19-192	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr19	19283757	19285546	+	0	NA	intron (N	Tigger2|D	-11350	NM_001001	53345	Hs.531624	NM_203510	ENSG00000	TM6SF2	-	transmemb	protein-coding
chr2-1561	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr2	15617312	15619501	+	0	NA	intron (N	MER52D|LT	26538	NM_004939	1653	Hs.440599	NM_004939	ENSG00000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-5530	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr2	55300997	55302164	+	0	NA	intron (N	intron (N	19261	NR_027258	344405	Hs.445292	NM_001080	ENSG00000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chr2-2030	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MLT1A-int	57342	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr3-2739	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr3	27391271	27392057	+	0	NA	intron (N	intron (N	-22204	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-3385	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr3	33857253	33858722	+	0	NA	intron (N	L1M5|LINE	59357	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-4931	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr3	49315311	49318711	+	0	NA	intron (N	intron (N	23042	NM_001251	7375	Hs.77500	NM_003363	ENSG00000	USP4	UNP|Unph	ubiquitin	protein-coding
chr5-1795	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L2a|LINE|	4508	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr6-3621	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr6	36217368	36219174	+	0	NA	intron (N	intron (N	21527	NM_015695	27154	Hs.520096	NM_015695	ENSG00000	BRPF3	-	bromodoma	protein-coding
chr7-6442	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr7	6442817	6443552	+	0	NA	intron (N	AluYk4|SI	4770	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr7-4476	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr7	44760403	44761608	+	0	NA	intron (N	Charlie4z	4817	NM_174929	83637	Hs.77978	NM_031449	ENSG00000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr7-1511	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	10658	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr9-9261	7.408783	-0.15198	0.849383	-0.17893	0.857992	0.981636	chr9	92614793	92616378	+	0	NA	TTS (NM_0	TTS (NM_0	-2465	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr1-3165	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr1	31654742	31655619	+	0	NA	intron (N	intron (N	-10304	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr10-422	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr10	422447	423677	+	0	NA	intron (N	intron (N	-205502	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG00000	LOC101930	-	uncharact	ncRNA
chr14-746	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr14	74691942	74693143	+	0	NA	intron (N	intron (N	20538	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr14-102	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	11348	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr16-156	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr16	15629702	15630129	+	0	NA	intron (N	intron (N	13239	NM_014647	9665	Hs.173524	NM_014647	ENSG00000	MARF1	KIAA0430|	meiosis r	protein-coding
chr22-313	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr22	31340281	31341201	+	0	NA	TTS (NM_0	TTS (NM_0	5392	NR_110542	1.02E+08	Hs.661718	NR_110542	ENSG00000	PIK3IP1-A	-	PIK3IP1 a	ncRNA
chr5-1127	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEg2|LI	22580	NM_001354	324	Hs.158932	NM_000038	ENSG00000	APC	BTPS2|DP2	APC regul	protein-coding
chr5-1729	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	7174	NM_001317	51121	Hs.546390	NM_016093	ENSG00000	RPL26L1	RPL26P1	ribosomal	protein-coding
chr8-3880	5.203908	0.179458	1.002982	0.178924	0.857997	0.981636	chr8	38800957	38802210	+	0	NA	intron (N	L1MB8|LIN	-3867	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr2-2008	13.10946	-0.11651	0.652007	-0.1787	0.858175	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSc8|SI	8402	NM_001162	1195	Hs.433732	NM_004071	ENSG00000	CLK1	CLK|CLK/S	CDC like	protein-coding
chr15-101	20.27864	-0.09667	0.540971	-0.17869	0.858179	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	MIR|SINE|	6005	NR_003659	374666	Hs.459573	NM_199163		WASH3P	FAM39DP	WASP fami	pseudo
chr5-6924	7.67714	0.157071	0.879608	0.17857	0.858276	0.981636	chr5	69241036	69241378	+	0	NA	intron (N	L1MA3|LIN	6321	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr11-749	7.893814	-0.15555	0.871192	-0.17855	0.858288	0.981636	chr11	74980028	74980340	+	0	NA	Intergeni	Intergeni	-8460	NM_001367	10825	Hs.191074	NM_006656	ENSG00000	NEU3	SIAL3	neuramini	protein-coding
chr1-2263	6.676106	0.161247	0.903303	0.178509	0.858324	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	MIR|SINE|	43835	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr3-8162	7.87024	-0.14931	0.836546	-0.17848	0.858345	0.981636	chr3	81629550	81629894	+	0	NA	intron (N	L1PA4|LIN	131923	NM_000158	2632	Hs.436062	NM_000158	ENSG00000	GBE1	APBD|GBE|	1,4-alpha	protein-coding
chr22-404	7.172694	0.160073	0.89816	0.178223	0.858548	0.981636	chr22	40461763	40462024	+	0	NA	intron (N	L2a|LINE|	1547	NM_001282	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr1-2123	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr1	21232950	21233905	+	0	NA	intron (N	MIR|SINE|	46188	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-3635	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr1	36357060	36359132	+	0	NA	intron (N	intron (N	27828	NM_001282	83931	Hs.471768	NM_032017	ENSG00000	STK40	SHIK|SgK4	serine/th	protein-coding
chr10-631	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr10	63192483	63193080	+	0	NA	intron (N	intron (N	59453	NM_030759	29982	Hs.449628	NM_030759	ENSG00000	NRBF2	COPR|COPR	nuclear r	protein-coding
chr10-102	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-9810	NR_160733	1.08E+08		NR_160733		LOC107984	-	uncharact	ncRNA
chr12-100	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	19625	NR_048568	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr14-694	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr14	69425533	69427171	+	0	NA	intron (N	MER21A|LT	27660	NM_018375	55334	Hs.432690	NM_018375	ENSG00000	SLC39A9	ZIP-9|ZIP	solute ca	protein-coding
chr15-753	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr15	75362808	75367570	+	0	NA	intron (N	intron (N	3418	NM_006715	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr15-762	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr15	76286277	76288935	+	0	NA	intron (N	intron (N	23863	NM_001127	2108	Hs.39925	NM_000126	ENSG00000	ETFA	EMA|GA2|M	electron	protein-coding
chr18-130	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr18	13015573	13017550	+	0	NA	intron (N	intron (N	25199	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr18-471	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr18	47133497	47134318	+	0	NA	intron (N	L1PA5|LIN	16593	NM_001318	84064	Hs.465041	NM_032124	ENSG00000	HDHD2	3110052N0	haloacid	protein-coding
chr18-576	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr18	57646733	57649740	+	0	NA	3’ UTR (N	3’ UTR (N	17905	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-233	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr19	23342139	23343705	+	0	NA	Intergeni	Intergeni	52549	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr20-472	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr20	47208555	47210843	+	0	NA	3’ UTR (N	3’ UTR (N	42732	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr3-3732	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr3	37328576	37333257	+	0	NA	intron (N	AluSx|SIN	-55353	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-4031	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr3	40311980	40312794	+	0	NA	TTS (NM_0	TTS (NM_0	2680	NM_005875	10289	Hs.315230	NM_005875	ENSG00000	EIF1B	GC20	eukaryoti	protein-coding
chr3-1913	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	exon (NM_	exon (NM_	-27467	NM_198152	257313	Hs.518492	NM_198152	ENSG00000	UTS2B	U2B|URP|U	urotensin	protein-coding
chr5-1097	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	MLT1G1|LT	-90596	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr5-1195	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr5	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	57254	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr6-1335	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	264915	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr7-1668	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr7	16680522	16683426	+	0	NA	intron (N	intron (N	20760	NM_001362	28969	Hs.487635	NM_014038	ENSG00000	BZW2	HSPC028|M	basic leu	protein-coding
chr7-1236	7.196268	0.153368	0.860844	0.178161	0.858597	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	38310	NM_207163	442721	Hs.592260	NM_207163	ENSG00000	LMOD2	C-LMOD|CL	leiomodin	protein-coding
chr11-118	12.16113	-0.12108	0.679629	-0.17815	0.858601	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	44049	NM_005933	4297	Hs.258855	NM_005933	ENSG00000	KMT2A	ALL-1|CXX	lysine me	protein-coding
chr1-7773	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr1	77734331	77736063	+	0	NA	intron (N	MADE2|DNA	24655	NM_201626	23032	Hs.480597	NM_015017	ENSG00000	USP33	VDU1	ubiquitin	protein-coding
chr1-1539	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-9848	NM_020699	57459	Hs.4779	NM_020699	ENSG00000	GATAD2B	MRD18|P66	GATA zinc	protein-coding
chr1-1988	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	-17840	NR_029626	406995		NR_029626	ENSG00000	MIR181A1	MIR213|MI	microRNA	ncRNA
chr1-2366	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	AluSx3|SI	2511	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr10-999	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr10	99908014	99909426	+	0	NA	intron (N	intron (N	5372	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr12-277	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr12	27739095	27740363	+	0	NA	intron (N	intron (N	28897	NM_021821	60488	Hs.714076	NM_021821	ENSG00000	MRPS35	HDCMD11P|	mitochond	protein-coding
chr16-195	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr16	19569594	19570661	+	0	NA	intron (N	AluSz|SIN	14424	NM_001365	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 end	protein-coding
chr18-235	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr18	23524232	23524980	+	0	NA	intron (N	intron (N	21095	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|R	regulator	protein-coding
chr2-3881	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr2	38817829	38818757	+	0	NA	intron (N	AluSx3|SI	40083	NM_024775	79833	Hs.143818	NM_024775	ENSG00000	GEMIN6	-	gem nucle	protein-coding
chr20-640	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr20	64023309	64023682	+	0	NA	intron (N	intron (N	-10232	NM_001348	284739	Hs.97840	NM_207349	ENSG00000	C20orf204	LINC00176	chromosom	protein-coding
chr4-1836	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJb|SIN	14158	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr6-1496	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L5|LINE|R	9445	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr7-1779	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr7	17798810	17799694	+	0	NA	intron (N	intron (N	141242	NM_001350	23161	Hs.487648	NM_015132	ENSG00000	SNX13	RGS-PX1	sorting n	protein-coding
chr8-1320	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	57056	NM_001080	729330	Hs.653174	NM_001080	ENSG00000	OC90	PLA2L	otoconin	protein-coding
chr9-3249	6.683964	0.158974	0.892714	0.17808	0.85866	0.981636	chr9	32492549	32493447	+	0	NA	intron (N	MIR|SINE|	33198	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr1-4534	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr1	45342135	45344260	+	0	NA	TTS (NM_0	TTS (NM_0	-2727	NM_001128	4595	Hs.271353	NM_012222	ENSG00000	MUTYH	MYH	mutY DNA	protein-coding
chr1-2243	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJr4|SI	4774	NM_002533	4931	Hs.497867	NM_002533	ENSG00000	NVL	NVL2	nuclear V	protein-coding
chr1-2360	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr1	2.36E+08	2.36E+08	+	0	NA	exon (NM_	exon (NM_	16341	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr15-909	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr15	90960865	90961812	+	0	NA	intron (N	intron (N	-5031	NR_051984	1.01E+08	Hs.366401	NR_051984	ENSG00000	PRC1-AS1	-	PRC1 anti	ncRNA
chr17-584	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr17	584051	584782	+	0	NA	intron (N	intron (N	130423	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr19-468	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr19	4684302	4684755	+	0	NA	3’ UTR (N	3’ UTR (N	5246	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr19-103	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr19	10317772	10319717	+	0	NA	intron (N	intron (N	-2729	NM_001031	112812	Hs.654865	NM_080665	ENSG00000	FDX2	FDX1L|MEO	ferredoxi	protein-coding
chr19-435	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr19	43537677	43539594	+	0	NA	Intergeni	L1M5|LINE	5447	NM_174945	284346	Hs.213534	NM_174945	ENSG00000	ZNF575	-	zinc fing	protein-coding
chr5-4626	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr5	462607	465319	+	0	NA	intron (N	intron (N	9002	NR_024158	25845	Hs.719132	NR_024158	ENSG00000	PP7080	-	uncharact	ncRNA
chr7-5903	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr7	5903007	5905253	+	0	NA	intron (N	AluSq2|SI	5397	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr7-6620	7.708572	0.148526	0.834552	0.177971	0.858745	0.981636	chr7	66209920	66211184	+	0	NA	intron (N	MER5B|DNA	5218	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr16-302	9.685217	0.139683	0.78524	0.177886	0.858812	0.981636	chr16	30204100	30204516	+	0	NA	TTS (NM_1	TTS (NM_1	2619	NR_002556	388242	Hs.662549	NR_002556	ENSG00000	LOC388242	-	SAGA comp	pseudo
chr1-1311	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr1	1311126	1312031	+	0	NA	TTS (NM_0	TTS (NM_0	988	NR_106785	1.02E+08		NR_106785	ENSG00000	MIR6727	hsa-mir-6	microRNA	ncRNA
chr1-2431	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-61029	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr11-864	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr11	864106	867247	+	0	NA	intron (N	intron (N	21230	NM_001025	7106	Hs.654836	NM_003271	ENSG00000	TSPAN4	NAG-2|NAG	tetraspan	protein-coding
chr12-112	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	67602	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr13-950	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr13	95036682	95038590	+	0	NA	intron (N	intron (N	77595	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr14-101	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	2177	NR_030175	574453		NR_030175	ENSG00000	MIR495	MIRN495|h	microRNA	ncRNA
chr15-399	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr15	39995711	39996243	+	0	NA	intron (N	L1MA9|LIN	43204	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr17-311	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr17	31163910	31164936	+	0	NA	intron (N	intron (N	69446	NM_001128	4763	Hs.113577	NM_000267	ENSG00000	NF1	NFNS|VRNF	neurofibr	protein-coding
chr17-425	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr17	42541115	42541841	+	0	NA	intron (N	MIR|SINE|	5237	NM_000263	4669	Hs.50727	NM_000263	ENSG00000	NAGLU	CMT2V|MPS	N-acetyl-	protein-coding
chr19-354	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr19	3546097	3547956	+	0	NA	intron (N	AluY|SINE	7869	NM_001135	1E+08	Hs.664978	NM_001135	ENSG00000	C19orf71	-	chromosom	protein-coding
chr19-469	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr19	46989627	46990395	+	0	NA	intron (N	intron (N	-29826	NM_002517	4861	Hs.79564	NM_002517	ENSG00000	NPAS1	MOP5|PASD	neuronal	protein-coding
chr19-528	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr19	52813152	52818525	+	0	NA	3’ UTR (N	3’ UTR (N	5795	NM_001369	7576	Hs.732407	NM_006969	ENSG00000	ZNF28	KOX24	zinc fing	protein-coding
chr2-2620	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr2	26204170	26205330	+	0	NA	intron (N	AluJr|SIN	24034	NM_001191	150946	Hs.187912	NM_001168	ENSG00000	GAREM2	FAM59B|GA	GRB2 asso	protein-coding
chr2-1180	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	13202	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr2-1784	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	9154	NM_001139	8575	Hs.570274	NM_003690	ENSG00000	PRKRA	DYT16|HSD	protein a	protein-coding
chr21-323	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr21	32384137	32384858	+	0	NA	intron (N	intron (N	-7175	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr4-2665	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr4	26654968	26658418	+	0	NA	intron (N	AluSx3|SI	72609	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr6-1508	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq2|SI	12048	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr9-1205	6.947327	-0.1554	0.874607	-0.17768	0.858974	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	34441	NR_073558	55755	Hs.269560	NM_018249	ENSG00000	CDK5RAP2	C48|Cep21	CDK5 regu	protein-coding
chr10-844	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr10	84420716	84421872	+	0	NA	intron (N	THE1C|LTR	-3645	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-cc	protein-coding
chr19-556	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr19	55659259	55661084	+	0	NA	intron (N	intron (N	6121	NM_007279	11338	Hs.528007	NM_007279	ENSG00000	U2AF2	U2AF65	U2 small	protein-coding
chr2-9445	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr2	9445736	9446693	+	0	NA	intron (N	AluSz|SIN	22560	NM_016207	51692	Hs.515972	NM_016207	ENSG00000	CPSF3	CPSF-73|C	cleavage	protein-coding
chr20-252	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr20	25279839	25281911	+	0	NA	intron (N	intron (N	32790	NM_002862	5834	Hs.368157	NM_002862	ENSG00000	PYGB	GPBB	glycogen	protein-coding
chr7-7293	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr7	72937840	72938564	+	0	NA	intron (N	Tigger12|	16561	NR_033323	260294	Hs.510927	NM_148936	ENSG00000	NSUN5P2	NOL1R2|NS	NSUN5 pse	pseudo
chr9-1312	6.17166	0.165507	0.931855	0.177611	0.859029	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MLT1G3|LT	17133	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-1504	8.220876	0.14432	0.81267	0.177587	0.859047	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	MIR3|SINE	-21828	NM_001271	80222	Hs.288974	NM_025150	ENSG00000	TARS2	COXPD21|T	threonyl-	protein-coding
chr17-518	8.220876	0.14432	0.81267	0.177587	0.859047	0.981636	chr17	5189482	5190633	+	0	NA	intron (N	intron (N	1811	NM_032530	84622	Hs.658402	NM_032530	ENSG00000	ZNF594	-	zinc fing	protein-coding

chr11-784	7.359786	-0.15284	0.86136	-0.17743	0.859167	0.981636	chr11	78410210	78410568	+	0	NA	intron (N	AluSz|SIN	7431	NM_080491	9846	Hs.429434	NM_012296	ENSG00000	GAB2	-	GRB2 assc	protein-coding
chr16-563	7.359786	-0.15284	0.86136	-0.17743	0.859167	0.981636	chr16	56368019	56369416	+	0	NA	intron (N	MER58A|DN	56272	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr2-5397	7.359786	-0.15284	0.86136	-0.17743	0.859167	0.981636	chr2	53973479	53974292	+	0	NA	intron (N	(TG)n|Sim	2772	NM_001320	98	Hs.516173	NM_138448	ENSG00000	ACYP2	ACYM|ACYP	acylphosp	protein-coding
chr4-2455	7.359786	-0.15284	0.86136	-0.17743	0.859167	0.981636	chr4	24552945	24554405	+	0	NA	intron (N	AluSx1|SI	30879	NM_001358	1665	Hs.696074	NM_001358	ENSG00000	DHX15	DBP1|DDX1	DEAH-box	protein-coding
chr12-453	6.163802	0.16798	0.9476	0.177269	0.859297	0.981636	chr12	45363933	45364189	+	0	NA	intron (N	L1MB7|LIN	71371	NM_001142	196527	Hs.505339	NM_001025	ENSG00000	ANO6	BDPLT7|SC	anoctamin	protein-coding
chr2-1711	6.163802	0.16798	0.9476	0.177269	0.859297	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	Looper|DN	45775	NM_012290	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr6-1611	6.163802	0.16798	0.9476	0.177269	0.859297	0.981636	chr6	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	50245	NR_024277	79992	Hs.664873	NM_024929	ENSG00000	AGPAT4-IT	C6orf59|N	AGPAT4 ir	ncRNA
chr19-494	12.65587	-0.11795	0.665476	-0.17725	0.859314	0.981636	chr19	49497296	49500258	+	0	NA	TTS (NR_0	TTS (NR_0	1058	NR_001285	84546		NR_001285	ENSG00000	SNORD35B	RNU35B|U3	small nuc	snoRNA
chr1-2378	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr1	23783509	23784606	+	0	NA	intron (N	MIR|SINE|	5639	NM_020362	57095	Hs.31819	NM_020362	ENSG00000	PITHD1	C1orf128|	PITH doma	protein-coding
chr1-6257	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr1	62571686	62573052	+	0	NA	intron (N	MIR|SINE|	-25151	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr10-610	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr10	6108218	6113330	+	0	NA	intron (N	intron (N	21428	NM_001145	84991	Hs.498548	NM_032905	ENSG00000	RBM17	SPF45	RNA bindi	protein-coding
chr10-870	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr10	87075294	87075763	+	0	NA	intron (N	intron (N	18559	NM_001318	2746	Hs.500409	NM_005271	ENSG00000	GLUD1	GDH|GDH1|	glutamate	protein-coding
chr10-996	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr10	99679236	99681550	+	0	NA	intron (N	intron (N	20764	NM_001349	57089	Hs.28326	NM_020354	ENSG00000	ENTPD7	LALP1	ectonucle	protein-coding
chr10-130	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	30413	NM_001321	10539	Hs.42644	NM_006541	ENSG00000	GLRX3	GLRX4|GRX	glutaredc	protein-coding
chr11-368	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr11	3687145	3689490	+	0	NA	intron (N	AluY|SINE	-16933	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-662	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr11	66262350	66263342	+	0	NA	exon (NM_	exon (NM_	5143	NM_001318	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr11-110	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr11	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	132583	NM_001258	57569	Hs.6136	NM_020809	ENSG00000	ARHGAP20	RARHOGAP	Rho GTPas	protein-coding
chr11-111	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME4b|LI	13287	NM_033425	85458	Hs.655626	NM_033425	ENSG00000	DIXDC1	CCD1	DIX domai	protein-coding
chr11-112	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	9545	NM_001931	1737	Hs.335551	NM_001931	ENSG00000	DLAT	DLTA|E2|P	dihydroli	protein-coding
chr12-561	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr12	56165362	56167571	+	0	NA	intron (N	intron (N	8107	NM_021019	4637	Hs.632717	NM_021019	ENSG00000	MYL6	ESMLC|LC1	myosin li	protein-coding
chr12-770	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr12	77042125	77042711	+	0	NA	intron (N	intron (N	23151	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr12-102	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	13480	NM_024057	79023	Hs.444276	NM_024057	ENSG00000	NUP37	MCPH24|p3	nucleopor	protein-coding
chr12-132	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	L1ME1|LIN	25826	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr14-350	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr14	35007136	35010538	+	0	NA	intron (N	intron (N	25845	NM_003136	6729	Hs.167535	NM_003136	ENSG00000	SRP54	-	signal re	protein-coding
chr14-584	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr14	58443408	58444903	+	0	NA	exon (NM_	exon (NM_	4474	NM_001244	9786	Hs.232532	NM_014749	ENSG00000	KIAA0586	JBTS23|SR	KIAA0586	protein-coding
chr15-424	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr15	42445839	42448646	+	0	NA	intron (N	FLAM_A|SI	10325	NM_022473	64397	Hs.511143	NM_022473	ENSG00000	ZNF106	SH3BP3|ZF	zinc fing	protein-coding
chr15-784	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr15	78499813	78501576	+	0	NA	3’ UTR (N	3’ UTR (N	-6870	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr16-310	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr16	31061437	31064321	+	0	NA	intron (N	AluSp|SIN	2209	NM_001172	79759	Hs.102928	NM_024706	ENSG00000	ZNF668	-	zinc fing	protein-coding
chr17-752	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr17	75235963	75236969	+	0	NA	TTS (NM_0	TTS (NM_0	25140	NM_014001	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr17-815	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr17	81558929	81562003	+	0	NA	intron (N	AluSc|SIN	6136	NR_130140	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homc	protein-coding
chr18-686	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr18	68675830	68677601	+	0	NA	3’ UTR (N	3’ UTR (N	38393	NM_001350	54495	Hs.440534	NM_019022	ENSG00000	TMX3	PDIA13|TX	thioredox	protein-coding
chr19-101	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr19	10151866	10155174	+	0	NA	intron (N	AluSx1|SI	-33621	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr2-5465	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr2	54657856	54663856	+	0	NA	3’ UTR (N	3’ UTR (N	-64156	NM_001039	400954	Hs.656692	NM_001039	ENSG00000	EML6	-	EMAP like	protein-coding
chr2-1137	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-7993	NR_039943	1.01E+08		NR_039943	ENSG00000	MIR4782	-	microRNA	ncRNA
chr2-2350	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	22068	NM_001371305								
chr20-491	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr20	49149678	49153419	+	0	NA	intron (N	intron (N	36822	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr21-463	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr21	46336822	46339781	+	0	NA	intron (N	L1MC3|LIN	13634	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr22-298	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr22	29830627	29832451	+	0	NA	intron (N	intron (N	6735	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatin	protein-coding
chr3-1441	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr3	14417255	14418070	+	0	NA	intron (N	AluY|SINE	15056	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr3-5163	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr3	51638742	51639674	+	0	NA	intron (N	intron (N	-31967	NM_001129	51368	Hs.517864	NM_015926	ENSG00000	TEX264	ZSIG11	testis ex	protein-coding
chr3-1130	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	7583	NM_001319	25871	Hs.591288	NM_015412	ENSG00000	NEPRO	C3orf17|N	nucleolus	protein-coding
chr3-1856	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	MER58A|DN	26788	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr4-5649	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr4	56491949	56493870	+	0	NA	intron (N	FRAM|SINE	-12300	NM_206919	132946	Hs.444449	NM_206919	ENSG00000	ARL9	-	ADP ribos	protein-coding
chr5-1375	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr5	13756472	13757540	+	0	NA	intron (N	L1PA13|LI	187474	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-6599	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr5	65995150	65995592	+	0	NA	intron (N	L1MA8|LIN	-49798	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homc	pseudo
chr5-1461	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	32200	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr6-1006	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	MamRep137	-188862	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr6-1007	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	MER4B|LTR	115674	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr6-1315	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	TTS (NM_0	TTS (NM_0	11244	NM_001244	383	Hs.440934	NM_000045	ENSG00000	ARG1	-	arginase	protein-coding
chr6-1572	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	117720	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6o	transmemb	protein-coding
chr7-3078	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr7	30782292	30783751	+	0	NA	intron (N	MLT2C1|LT	11604	NM_032222	84182	Hs.660192	NM_032222	ENSG00000	MINDY4	AQP-1|AQP	MINDY lys	protein-coding
chr7-4747	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr7	47470173	47471734	+	0	NA	intron (N	(TGTTTTT)	-6150	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-9814	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr8	98143712	98146223	+	0	NA	intron (N	AluJb|SIN	27127	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homc	protein-coding
chr8-1405	7.400925	-0.15013	0.847334	-0.17718	0.859363	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx|SIN	36332	NR_040712	54108	Hs.279704	NM_017444	ENSG00000	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr1-2018	7.862382	-0.14748	0.832854	-0.17707	0.859452	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	10024	NM_198149	149345	Hs.632471	NM_198149	ENSG00000	SHISA4	C1orf40|T	shisa fam	protein-coding
chr12-511	7.862382	-0.14748	0.832854	-0.17707	0.859452	0.981636	chr12	51106638	51107150	+	0	NA	intron (N	intron (N	-23298	NM_030809	81566	Hs.524425	NM_030809	ENSG00000	CSRNP2	C12orf2|C	cysteine	protein-coding
chr18-529	7.862382	-0.14748	0.832854	-0.17707	0.859452	0.981636	chr18	5290305	5290909	+	0	NA	3’ UTR (N	3’ UTR (N	5119	NM_001243	7541	Hs.592340	NM_003409	ENSG00000	ZBTB14	ZF5|ZFP-1	zinc fing	protein-coding
chr22-193	7.862382	-0.14748	0.832854	-0.17707	0.859452	0.981636	chr22	19348588	19349389	+	0	NA	intron (N	AluSq2|SI	-57269	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr8-7328	12.60687	-0.11834	0.668362	-0.17706	0.85946	0.981636	chr8	73289287	73292319	+	0	NA	intron (N	intron (N	2830	NM_000971	6129	Hs.421257	NM_000971	ENSG00000	RPL7	L7|humL7-	ribosomal	protein-coding
chr10-791	5.716212	0.170538	0.963865	0.176931	0.859562	0.981636	chr10	79168605	79169835	+	0	NA	intron (N	intron (N	100254	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr15-752	5.716212	0.170538	0.963865	0.176931	0.859562	0.981636	chr15	75207040	75207727	+	0	NA	exon (NM_	exon (NM_	5501	NM_015492	56905	Hs.17936	NM_015492	ENSG00000	C15orf39	-	chromosom	protein-coding
chr16-468	5.716212	0.170538	0.963865	0.176931	0.859562	0.981636	chr16	4687867	4688762	+	0	NA	3’ UTR (N	3’ UTR (N	-5379	NM_001193	84309	Hs.513315	NM_032349	ENSG00000	NUDT16L1	SDOS|TIRR	nudix hyd	protein-coding
chr10-125	6.444731	-0.16217	0.91661	-0.17693	0.859566	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	L1MC4|LIN	5878	NM_018180	55760	Hs.370292	NM_018180	ENSG00000	DHX32	DDX32|DHL	DEAH-box	protein-coding
chr11-477	6.444731	-0.16217	0.91661	-0.17693	0.859566	0.981636	chr11	47796126	47797412	+	0	NA	intron (N	AluSx1|SI	-29428	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr2-1741	6.444731	-0.16217	0.91661	-0.17693	0.859566	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	Tigger1|D	111440	NM_001328	29789	Hs.157351	NM_013341	ENSG00000	OLA1	DOC45|GBP	Obg like	protein-coding
chr5-6559	6.444731	-0.16217	0.91661	-0.17693	0.859566	0.981636	chr5	65591205	65591803	+	0	NA	3’ UTR (N	3’ UTR (N	28208	NM_015342	23398	Hs.121432	NM_015342	ENSG00000	PPWD1	-	peptidylp	protein-coding
chr9-9914	6.444731	-0.16217	0.91661	-0.17693	0.859566	0.981636	chr9	99149110	99150025	+	0	NA	3’ UTR (N	3’ UTR (N	44454	NM_004612	7046	Hs.494622	NM_004612	ENSG00000	TGFBR1	AAT5|ACVR	transform	protein-coding
chr11-183	13.10161	-0.11544	0.652607	-0.17689	0.859592	0.981636	chr11	18396418	18408656	+	0	NA	intron (N	AluJr4|SI	6271	NM_001165	3939	Hs.2795	NM_005566	ENSG00000	LDHA	GSD11|HEL	lactate d	protein-coding
chr2-2154	13.10161	-0.11544	0.652607	-0.17689	0.859592	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	exon (NM_	exon (NM_	12712	NM_001365	2335	Hs.203717	NM_002026	ENSG00000	FN1	CIG|ED-B|	fibronect	protein-coding
chr22-384	13.10161	-0.11544	0.652607	-0.17689	0.859592	0.981636	chr22	38492137	38502508	+	0	NA	intron (N	AluSq|SIN	8989	NM_001098	10521	Hs.528305	NM_006386	ENSG00000	DDX17	P72|RH70	DEAD-box	protein-coding
chr7-7518	11.71687	0.123945	0.701122	0.17678	0.859681	0.981636	chr7	75184870	75185812	+	0	NA	TTS (NR_0	TTS (NR_0	-13343	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr1-3751	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr1	37510970	37513213	+	0	NA	intron (N	L1MD2|LIN	2675	NR_073091	64769	Hs.17118	NM_022756	ENSG00000	MEAF6	C1orf149|	MYST/Esa1	protein-coding
chr1-4042	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr1	40422347	40423870	+	0	NA	3’ UTR (N	3’ UTR (N	26308	NM_001198	64744	Hs.15200	NM_022733	ENSG00000	SMAP2	SMAP1L	small Arf	protein-coding
chr1-1095	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-8826	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr10-110	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	THE1B-int	-40367	NR_038943	1.01E+08	Hs.604103	NR_038943		ADD3-AS1	-	ADD3 anti	ncRNA
chr11-973	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr11	9739209	9740271	+	0	NA	intron (N	intron (N	-18553	NR_036485	283104	Hs.632156	NR_036485	ENSG00000	SBF2-AS1	-	SBF2 anti	ncRNA
chr11-739	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr11	73914798	73915555	+	0	NA	intron (N	intron (N	26395	NM_001363	80227	Hs.525017	NM_025155	ENSG00000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr14-527	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr14	52747892	52749244	+	0	NA	intron (N	intron (N	18402	NM_145251	6815	Hs.364980	NM_145251	ENSG00000	STYX	-	serine/th	protein-coding
chr14-105	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	2305	NM_001195	647310	Hs.729499	NM_001195	ENSG00000	TEX22	-	testis ex	protein-coding
chr15-648	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr15	64855345	64856396	+	0	NA	intron (N	intron (N	13955	NM_025201	80301	Hs.709337	NM_025201	ENSG00000	PLEKHO2	PLEKHQ1|P	pleckstri	protein-coding
chr15-671	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr15	67103441	67104310	+	0	NA	intron (N	intron (N	-21841	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr15-779	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr15	77996985	77997552	+	0	NA	3’ UTR (N	3’ UTR (N	-3043	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr15-989	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr15	98935205	98937967	+	0	NA	intron (N	intron (N	69070	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-234	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr16	23479979	23480490	+	0	NA	intron (N	MER5A|DNA	-27045	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr18-461	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr18	46128967	46129828	+	0	NA	Intergeni	Intergeni	25012	NR_026978	115106	Hs.436617	NM_138443	ENSG00000	HAUS1	CCDC5|HEI	HAUS augm	protein-coding
chr19-413	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr19	41335313	41336547	+	0	NA	intron (N	intron (N	17992	NM_000660	7040	Hs.645227	NM_000660	ENSG00000	TGFB1	CED|DPD1|	transform	protein-coding
chr2-3252	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr2	32521030	32521686	+	0	NA	intron (N	FLAM_A|SI	-10795	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-6271	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr2	62714352	62716700	+	0	NA	intron (N	MLT1J|LTR	8629	NM_001354	23301	Hs.271667	NM_015252	ENSG00000	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-2307	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSx1|SI	30440	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr22-177	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr22	17732272	17733731	+	0	NA	Intergeni	Intergeni	26343	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-4741	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr3	47414514	47415802	+	0	NA	exon (NM_	exon (NM_	34137	NM_001304	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr4-1759	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr4	17594720	17597446	+	0	NA	intron (N	intron (N	-18558	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr5-3710	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr5	37106690	37107499	+	0	NA	3’ UTR (N	3’ UTR (N	-141952	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-5718	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr5	57183400	57184551	+	0	NA	intron (N	AluJb|SIN	8527	NM_001127	65056	Hs.444279	NM_022913	ENSG00000	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr5-9702	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr5	97022488	97025493	+	0	NA	intron (N	intron (N	65557	NM_175920	4012	Hs.527199	NM_005575	ENSG00000	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr5-1230	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	13605	NM_000943	5480	Hs.110364	NM_000943	ENSG00000	PPIC	CYPC	peptidylp	protein-coding
chr5-1325	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1F2|LT	40533	NM_005732	10111	Hs.633509	NM_005732	ENSG00000	RAD50	NBSLD|RAD	RAD50 dou	protein-coding
chr6-3588	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr6	35887968	35888890	+	0	NA	intron (N	intron (N	32669	NM_003137	6732	Hs.443861	NM_003137	ENSG00000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr7-1394	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	12005	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr8-9504	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr8	95041369	95043084	+	0	NA	intron (N	MIR1_Amn|	17237	NR_148913	137682	Hs.435500	NM_152416	ENSG00000	NDUFAF6	C8orf38|N	NADH:ubiq	protein-coding
chr9-9501	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr9	95015088	95017613	+	0	NA	intron (N	AluSx1|SI	-49000	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr9-1140	6.179518	0.163143	0.922877	0.176776	0.859684	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	MIR|SINE|	61760	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr16-301	13.6042	-0.11378	0.64375	-0.17675	0.859708	0.981636	chr16	30189022	30189465	+	0	NA	TTS (NR_0	TTS (NR_0	559	NR_002454	606724	Hs.744975	NR_002454		LOC606724	-	coronin 1	pseudo
chr1-2742	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr1	27426683	27427602	+	0	NA	intron (N	L2c|LINE|	34520	NM_005281	2827	Hs.66542	NM_005281	ENSG00000	GPR3	ACCA	G protein	protein-coding
chr1-1472	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	L2|LINE|L	25002	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr10-427	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr10	42797958	42801182	+	0	NA	intron (N	L1ME3A|LI	16775	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr10-124	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	15536	NM_032182	23172	Hs.280695	NM_032182	ENSG00000	ABRAXAS2	ABRO1|FAM	abraxas 2	protein-coding
chr11-105	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	10503350	10509668	+	0	NA	3’ UTR (N	3’ UTR (N	1817	NR_039705	1.01E+08		NR_039705	ENSG00000	MIR4485	mir-4485	microRNA	ncRNA
chr11-274	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	27490740	27492324	+	0	NA	Intergeni	Intergeni	15237	NM_018362	55327	Hs.91393	NM_018362	ENSG00000	LIN7C	LIN-7-C|L	lin-7 hom	protein-coding
chr11-341	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	34128011	34135080	+	0	NA	intron (N	intron (N	25916	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr11-466	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	46653647	46654458	+	0	NA	intron (N	intron (N	36776	NM_001346	9776	Hs.127403	NM_014741	ENSG00000	ATG13	KIAA0652|	autophagy	protein-coding
chr11-471	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	47173658	47174221	+	0	NA	intron (N	intron (N	2940	NM_032389	84364	Hs.436204	NM_032389	ENSG00000	ARFGAP2	IRZ|NBLA1	ADP ribos	protein-coding
chr11-117	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	80092	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-423	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr12	42312711	42313838	+	0	NA	intron (N	intron (N	10585	NR_107005	1.02E+08		NR_107005	ENSG00000	MIR7851	hsa-mir-7	microRNA	ncRNA
chr12-122	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx|SIN	2413	NM_001278	56616	Hs.169611	NM_019887	ENSG00000	DIABLO	DFNA64|SM	diablo IA	protein-coding
chr14-776	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr14	77678654	77678974	+	0	NA	intron (N	intron (N	29209	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homc	protein-coding
chr15-753	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr15	75339055	75340810	+	0	NA	intron (N	intron (N	3869	NM_001284	54939	Hs.351327	NM_017828	ENSG00000	COMMD4	-	COMM doma	protein-coding
chr17-265	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr17	2652234	2653969	+	0	NA	intron (N	L1PA5|LIN	39818	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr17-788	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr17	7880103	7880923	+	0	NA	intron (N	intron (N	-4283	NM_001005	1107	Hs.25601	NM_005852	ENSG00000	CHD3	Mi-2a|Mi2	chromodom	protein-coding
chr18-625	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr18	62550473	62551819	+	0	NA	intron (N	L2|LINE|L	28121	NR_126534	54877	Hs.114191	NM_017742	ENSG00000	ZCCHC2	C18orf49	zinc fing	protein-coding
chr2-2031	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MER68|LTR	-42926	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-384	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr20	38493144	38496231	+	0	NA	intron (N	intron (N	21844	NM_001282	57148	Hs.598850	NM_020336	ENSG00000	RALGAPB	KIAA1219|	Ral GTPas	protein-coding
chr20-516	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr20	51606652	51607562	+	0	NA	intron (N	intron (N	-44268	NM_001136	4773	Hs.744148	NM_012340	ENSG00000	NFATC2	NFAT1|NFA	nuclear f	protein-coding

chr22-317	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr22	31709880	31712707	+	0	NA	intron (N	AluSx|SIN	38839	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr3-4775	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr3	47756894	47757665	+	0	NA	intron (N	L1MEd|LIN	24614	NM_003074	6599	Hs.476179	NM_003074	ENSG00000	SMARCC1	BAF155|CF	SWI/SNF r	protein-coding
chr3-1326	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	21580	NM_001321	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitin	protein-coding
chr3-1342	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	50150	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr4-4437	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr4	4437843	4438599	+	0	NA	intron (N	intron (N	23751	NM_001346	53407	Hs.584913	NM_016930	ENSG00000	STX18	Ufe1	syntaxin	protein-coding
chr5-5694	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr5	56940158	56946137	+	0	NA	intron (N	AluJr|SIN	8983	NM_001297	166968	Hs.657594	NM_152622	ENSG00000	MIER3	-	MIER fami	protein-coding
chr5-1388	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSp|SIN	-46750	NR_134244	1.05E+08	Hs.445981	NR_134244	ENSG00000	LOC105379	-	uncharact	ncRNA
chr5-1492	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	MLT1A0|LT	-53389	NM_001323	134265	Hs.62930	NM_152406	ENSG00000	AFAP1L1	-	actin fil	protein-coding
chr5-1755	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	3’ UTR (N	3’ UTR (N	48451	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr8-1183	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr8	11831256	11833086	+	0	NA	intron (N	intron (N	23027	NM_001287	2222	Hs.593928	NM_004462	ENSG00000	FDFT1	DGPT|ERG9	farnesyl-	protein-coding
chr8-6713	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr8	67136301	67138142	+	0	NA	intron (N	AluSz6|SI	53373	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-1405	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	32212	NR_040712	54108	Hs.279704	NM_017444	ENSG00000	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr9-3401	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr9	34012674	34013793	+	0	NA	intron (N	MIRc|SINE	35654	NR_163243	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr9-1142	6.691822	0.156789	0.887536	0.176656	0.859778	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-22851	NM_000607	5004	Hs.522356	NM_000607	ENSG00000	ORM1	AGP-A|AGP	orosomuco	protein-coding
chr19-375	5.659356	0.173182	0.980894	0.176555	0.859858	0.981636	chr19	3758339	3758852	+	0	NA	intron (N	MER58B|DN	3097	NM_004886	9546	Hs.25527	NM_004886	ENSG00000	APBA3	MGC:15815	amyloid b	protein-coding
chr20-584	5.659356	0.173182	0.980894	0.176555	0.859858	0.981636	chr20	58419901	58420414	+	0	NA	intron (N	AluSz|SIN	30928	NR_036633	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP asso	protein-coding
chr11-636	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr11	63652805	63653688	+	0	NA	intron (N	AluSx|SIN	18130	NM_015459	25923	Hs.356719	NM_015459	ENSG00000	ATL3	HSN1F	atlastin	protein-coding
chr11-685	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr11	68544938	68546082	+	0	NA	intron (N	LFSINE_Ve	84758	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-132	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-2028	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr16-483	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr16	4834906	4835831	+	0	NA	intron (N	intron (N	11920	NM_032569	84656	Hs.387255	NM_032569	ENSG00000	GLYR1	BM045|HIB	glyoxylat	protein-coding
chr19-192	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr19	19201327	19202089	+	0	NA	exon (NM_	exon (NM_	1706	NM_176880	126382	Hs.708153	NM_176880	ENSG00000	NR2C2AP	TRA16	nuclear r	protein-coding
chr5-1645	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr5	16459317	16460452	+	0	NA	intron (N	L1ME3A|LI	5916	NM_033414	90441	Hs.60300	NM_033414	ENSG00000	ZNF622	ZPR9	zinc fing	protein-coding
chr5-1709	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	49196	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr9-1291	5.667214	0.170614	0.966631	0.176504	0.859898	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluY|SINE	17913	NM_001193	5524	Hs.400740	NM_021131	ENSG00000	PTPA	PP2A|PPP2	protein p	protein-coding
chr19-518	9.245484	0.137425	0.778995	0.176413	0.859969	0.981636	chr19	51874237	51874545	+	0	NA	intron (N	L2a|LINE|	13545	NM_001135	84765	Hs.723015	NM_032679	ENSG00000	ZNF577	-	zinc fing	protein-coding
chr17-790	4.699462	0.187119	1.061211	0.176326	0.860038	0.981636	chr17	79084046	79084570	+	0	NA	intron (N	L1MB2|LIN	9371	NM_001042	64772	Hs.29288	NM_022759	ENSG00000	ENGASE	-	endo-beta	protein-coding
chr1-1809	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	19198	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr1-2225	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	L1ME1|LIN	-20482	NM_024746	79802	Hs.665660	NM_024746	ENSG00000	HHIPL2	KIAA1822L	HHIP like	protein-coding
chr1-2315	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr1	2.32E+08	2.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	36315	NM_005999	7257	Hs.13318	NM_005999	ENSG00000	TSNAX	C3PO|TRAX	translin	protein-coding
chr16-156	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr16	15696212	15700664	+	0	NA	intron (N	intron (N	48193	NM_017668	54820	Hs.655378	NM_017668	ENSG00000	NDE1	HOM-TES-8	nudE neur	protein-coding
chr16-294	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr16	29400947	29403886	+	0	NA	intron (N	intron (N	2129	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr17-312	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr17	31217329	31218939	+	0	NA	intron (N	intron (N	79105	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr17-425	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr17	42542623	42543687	+	0	NA	exon (NM_	exon (NM_	6914	NM_000263	4669	Hs.50727	NM_000263	ENSG00000	NAGLU	CMT2V|MPS	N-acetyl-	protein-coding
chr17-815	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr17	81573768	81574692	+	0	NA	intron (N	intron (N	3203	NR_130139	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homo	protein-coding
chr17-820	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr17	82055204	82056039	+	0	NA	intron (N	intron (N	3723	NM_212492	2873	Hs.268530	NM_004127	ENSG00000	GPS1	COPS1|CSN	G protein	protein-coding
chr18-272	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr18	2720050	2721161	+	0	NA	intron (N	HAL1|LINE	64718	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr18-862	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr18	8625520	8627473	+	0	NA	intron (N	intron (N	17051	NM_001025	201475	Hs.270074	NM_001025	ENSG00000	RAB12	-	RAB12, me	protein-coding
chr2-1281	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz|SIN	36652	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr2-2030	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx1|SI	36617	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr20-332	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr20	3323658	3325283	+	0	NA	intron (N	intron (N	83192	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr22-425	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr22	42590629	42592392	+	0	NA	intron (N	intron (N	-9499	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr4-8473	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr4	84735131	84735659	+	0	NA	intron (N	LTR16A|LT	152268	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr5-1130	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	non-codin	non-codin	36760	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr5-1484	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	56293	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr6-3216	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr6	32168112	32170195	+	0	NA	TTS (NM_0	TTS (NM_0	963	NR_106779	1.02E+08		NR_106779	ENSG00000	MIR6721	hsa-mir-6	microRNA	ncRNA
chr6-1053	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	79817	NM_002726	5550	Hs.436564	NM_002726	ENSG00000	PREP	PE|PEP	prolyl en	protein-coding
chr7-2480	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr7	24808847	24810736	+	0	NA	intron (N	intron (N	-51852	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr7-1355	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	29737	NM_001329	23165	Hs.743250	NM_015135	ENSG00000	NUP205	C7orf14|N	nucleopor	protein-coding
chr8-4293	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr8	42930691	42935236	+	0	NA	intron (N	(ATTTAT)n	35985	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr9-1281	7.204126	0.151344	0.858697	0.176249	0.860098	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	9701	NM_024112	79095	Hs.522412	NM_024112	ENSG00000	C9orf16	EST00098	chromosom	protein-coding
chr20-440	8.684183	0.140692	0.798907	0.176105	0.860211	0.981636	chr20	44054252	44054571	+	0	NA	exon (NM_	exon (NM_	108515	NM_001098	84969	Hs.26608	NM_032883	ENSG00000	TOX2	C20orf100	TOX high	protein-coding
chr1-2414	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr1	2.41E+08	2.41E+08	+	0	NA	Intergeni	Intergeni	24923	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr10-884	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr10	884293	884668	+	0	NA	exon (NM_	exon (NM_	47225	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr14-759	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr14	75989696	75990978	+	0	NA	intron (N	Charlie8|	4574	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding
chr18-292	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr18	2929589	2930075	+	0	NA	intron (N	AluSz|SIN	16791	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr2-3263	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr2	32634300	32635422	+	0	NA	promoter-	promoter-	-394	NR_039922	1.01E+08		NR_039922	ENSG00000	MIR4765	-	microRNA	ncRNA
chr2-1012	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	MER3|DNA|	14801	NM_173647	284996	Hs.142074	NM_173647	ENSG00000	RNF149	DNAPTP2	ring fing	protein-coding
chr2-1967	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	26494	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr4-7888	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr4	78887254	78888729	+	0	NA	intron (N	intron (N	51447	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr6-8095	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr6	8095320	8096493	+	0	NA	intron (N	L2b|LINE|	6642	NM_001135	9521	Hs.602353	NM_004280	ENSG00000	EEF1E1	AIMP3|P18	eukaryoti	protein-coding
chr6-2043	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr6	20439511	20440052	+	0	NA	intron (N	AluJr|SIN	36102	NM_001243	1871	Hs.269408	NM_001949	ENSG00000	E2F3	E2F-3	E2F trans	protein-coding
chr7-4292	6.898329	-0.15615	0.88686	-0.17607	0.860238	0.981636	chr7	42926286	42927964	+	0	NA	intron (N	intron (N	5049	NM_002787	5683	Hs.333786	NM_002787	ENSG00000	PSMA2	HC3|MU|PM	proteasom	protein-coding
chr19-400	9.716648	0.132804	0.755188	0.175856	0.860407	0.981636	chr19	40082640	40083477	+	0	NA	intron (N	intron (N	7845	NM_001010	284323	Hs.115140	NM_001010	ENSG00000	ZNF780A	ZNF780	zinc fing	protein-coding
chr10-121	9.204344	0.135662	0.772067	0.175712	0.86052	0.981636	chr10	12160632	12162991	+	0	NA	intron (N	intron (N	-30995	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr12-122	9.204344	0.135662	0.772067	0.175712	0.86052	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-11950	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr4-5704	9.204344	0.135662	0.772067	0.175712	0.86052	0.981636	chr4	5704074	5704743	+	0	NA	intron (N	L2a|LINE|	4151	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr10-690	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr10	69006663	69007350	+	0	NA	intron (N	intron (N	18203	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 bind	protein-coding
chr10-103	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	20120	NM_014976	22984	Hs.239499	NM_014976	ENSG00000	PDCD11	ALG-4|ALG	programme	protein-coding
chr10-125	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	449	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG00000	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr11-466	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr11	46678981	46682326	+	0	NA	exon (NM_	exon (NM_	19966	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr2-6643	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr2	66439118	66441267	+	0	NA	intron (N	intron (N	138	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr22-194	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr22	19407689	19410178	+	0	NA	intron (N	MIR3|SINE	22800	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr5-1392	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr5	13922190	13924172	+	0	NA	intron (N	intron (N	21299	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3210	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr5	32107790	32110201	+	0	NA	3’ UTR (N	3’ UTR (N	65324	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr5-1718	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MSTB1|LTR	90875	NM_001289	644994	Hs.591740	NM_001289	ENSG00000	SMIM23	C5orf50	small int	protein-coding
chr7-5209	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr7	5209609	5211165	+	0	NA	intron (N	L2|LINE|L	-3882	NM_001033	26100	Hs.122363	NM_015610	ENSG00000	WIPI2	ATG18B|At	WD repeat	protein-coding
chr7-1285	7.71643	0.146646	0.8347	0.175687	0.86054	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	Intergeni	-70983	NR_024368	402483	Hs.722350	NM_001039682		LINC0100	-	long inte	ncRNA
chr1-1000	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr1	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	30044	NM_033055	64645	Hs.124156	NM_033055	ENSG00000	MFSD14A	HIAT1	major fac	protein-coding
chr1-1147	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	L1PA6|LIN	3505	NM_025073	80143	Hs.709277	NM_025073	ENSG00000	SIKE1	SIKE	suppresso	protein-coding
chr1-1472	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	HAL1|LINE	39473	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr1-1561	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	TTS (NM_1	TTS (NM_1	-9187	NM_001193	64218	Hs.408846	NM_022367	ENSG00000	SEMA4A	CORD10|RP	semaphori	protein-coding
chr10-285	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr10	28542284	28544069	+	0	NA	intron (N	MER5A1|DN	10058	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr10-457	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr10	45750351	45752423	+	0	NA	intron (N	intron (N	24121	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr10-119	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11948	NM_001243	22876	Hs.369755	NM_014937	ENSG00000	INPP5F	MSTP007|M	inositol	protein-coding
chr12-214	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr12	21496975	21498780	+	0	NA	intron (N	ERVL-E-in	3758	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr12-112	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1ME1|LIN	-94227	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr14-509	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr14	50928529	50932232	+	0	NA	intron (N	intron (N	14103	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr14-601	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr14	60149107	60151081	+	0	NA	exon (NM_	exon (NM_	15304	NM_016029	51635	Hs.59719	NM_016029	ENSG00000	DHRS7	CGI-86|SD	dehydroge	protein-coding
chr15-399	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr15	39967476	39971998	+	0	NA	intron (N	intron (N	35622	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr15-430	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr15	43032453	43037910	+	0	NA	intron (N	L1ME3|LIN	70857	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-519	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr15	51914778	51919760	+	0	NA	Intergeni	AluSx1|SI	6851	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr15-719	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr15	71998139	71999527	+	0	NA	intron (N	L1PA3|LIN	-115425	NM_001166	123228	Hs.513002	NM_145204	ENSG00000	SENP8	DEN1|NEDP	SUMO pept	protein-coding
chr15-100	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	AluJb|SIN	8582	NM_198243	140460	Hs.31845	NM_024708	ENSG00000	ASB7	-	ankyrin r	protein-coding
chr16-368	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr16	3688592	3688996	+	0	NA	intron (N	intron (N	28730	NM_001272	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-707	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr16	70742854	70743915	+	0	NA	intron (N	LTR12|LTR	-11711	NR_034083	1E+08	Hs.678899	NR_034083	ENSG00000	VAC14-AS1	-	VAC14 ant	ncRNA
chr17-374	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr17	37411267	37414136	+	0	NA	intron (N	AluSg|SIN	5476	NM_001488	6871	Hs.500066	NM_001488	ENSG00000	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr19-423	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr19	42363239	42364333	+	0	NA	intron (N	MLT1O|LTR	12655	NR_107044	1.02E+08		NR_107044	ENSG00000	MIR8077	hsa-mir-8	microRNA	ncRNA
chr19-481	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr19	48181380	48183217	+	0	NA	intron (N	MIR|SINE|	11618	NM_199341	374920	Hs.664054	NM_199341	ENSG00000	ZSWIM9	C19orf68	zinc fing	protein-coding
chr19-488	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr19	48857447	48859506	+	0	NA	intron (N	AluSx1|SI	10141	NM_001161	57664	Hs.9469	NM_020904	ENSG00000	PLEKHA4	PEPP1	pleckstri	protein-coding
chr19-556	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr19	55614035	55616330	+	0	NA	exon (NM_	exon (NM_	1589	NM_001195	1.01E+08	Hs.729114	NM_001195	ENSG00000	ZNF865	-	zinc fing	protein-coding
chr2-2705	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr2	27059372	27060854	+	0	NA	TTS (NM_0	TTS (NM_0	8445	NR_104246	60509	Hs.138207	NM_021831	ENSG00000	AGBL5	CCP5|RP75	ATP/GTP b	protein-coding
chr2-7137	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr2	71373473	71374692	+	0	NA	intron (N	AluJb|SIN	42300	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr2-1084	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PB3|LIN	16278	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr20-130	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr20	1301199	1302424	+	0	NA	intron (N	L1MB7|LIN	11862	NM_015685	27111	Hs.657015	NM_015685	ENSG00000	SDCBP2	SITAC|SIT	syndecan	protein-coding
chr20-638	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr20	63861453	63862516	+	0	NA	exon (NM_	exon (NM_	771	NM_080622	140701	Hs.266774	NM_080622	ENSG00000	ABHD16B	C20orf135	abhydrola	protein-coding
chr21-158	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr21	15880500	15881400	+	0	NA	TTS (NM_0	TTS (NM_0	150968	NM_001352	29761	Hs.743994	NM_013396	ENSG00000	USP25	USP21	ubiquitin	protein-coding
chr3-4255	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr3	42554300	42556914	+	0	NA	intron (N	intron (N	-23001	NR_046654	1.01E+08	Hs.600642	NR_046654		VIPR1-AS1	-	VIPR1 ant	ncRNA
chr3-1793	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	Tigger4|D	33910	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr3-1837	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	L2a|LINE|	41359	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr3-1976	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	-23118	NR_030627	1E+08		NR_030627	ENSG00000	MIR922	MIRN922|h	microRNA	ncRNA
chr5-1721	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	AluSx|SIN	71924	NM_005990	6793	Hs.744005	NM_005990	ENSG00000	STK10	LOK|PRO27	serine/th	protein-coding
chr6-3141	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr6	31410110	31411677	+	0	NA	intron (N	intron (N	7298	NM_001177	1.01E+08	Hs.130838	NM_000247	ENSG00000	MICA	MIC-A|PER	MHC class	protein-coding
chr6-1509	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-33513	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-1277	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	51662	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-4785	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr8	47850091	47852620	+	0	NA	intron (N	intron (N	108781	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-6714	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr8	67145646	67146493	+	0	NA	intron (N	L1ME1|LIN	62221	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr9-1545	6.939469	-0.15346	0.874483	-0.17548	0.860701	0.981636	chr9	15458621	15464734	+	0	NA	TTS (NM_0	TTS (NM_0	38801	NR_161442	6619	Hs.546299	NM_003084	ENSG00000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr11-733	8.69204	0.138894	0.792076	0.175354	0.860802	0.981636	chr11	73352815	73354333	+	0	NA	intron (N	MIR|SINE|	-22825	NM_152222	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr2-4675	8.69204	0.138894	0.792076	0.175354	0.860802	0.981636	chr2	46758663	46761173	+	0	NA	exon (NM_	exon (NM_	-56750	NR_034099	388948	Hs.728895	NR_034099	ENSG00000	LINC01118	-	long inte	ncRNA
chr11-567	13.1506	-0.11504	0.656477	-0.17524	0.860889	0.981636	chr11	5676155	5679397	+	0	NA	intron (N	L1MC|LINE	7298	NM_033093	85363	Hs.125300	NM_033034	ENSG00000	TRIM5	RNF88|TRI	tripartit	protein-coding
chr1-9622	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr1	962246	963950	+	0	NA	intron (N	CpG-23	2514	NM_198317	339451	Hs.109212	NM_198317	ENSG00000	KLHL17	-	kelch lik	protein-coding
chr10-738	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr10	73840322	73842174	+	0	NA	intron (N	intron (N	-29428	NR_160743	8509	Hs.654758	NM_003635	ENSG00000	NDST2	HSST2|N-H	N-deacety	protein-coding
chr11-642	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr11	64275626	64277509	+	0	NA	intron (N	AluSx1|SI	-7772	NM_001170	56834	Hs.523763	NM_020155	ENSG00000	GPR137	C11orf4|G	G protein	protein-coding

chr13-445	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr13	44512464	44513592	+	0	NA	intron (N	L2c|LINE|	-38727	NM_001243	8848	Hs.436383	NM_006022	ENSG0000C	TSC22D1	Ptg-2|TGF	TSC22 dom	protein-coding
chr15-492	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr15	49261585	49263848	+	0	NA	intron (N	L1PA3|LIN	92469	NM_001289	2585	Hs.122006	NM_002044	ENSG0000C	GALK2	GK2	galactoki	protein-coding
chr15-719	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr15	71989761	71990359	+	0	NA	intron (N	intron (N	-124198	NM_001166	123228	Hs.513002	NM_145204	ENSG0000C	SENP8	DEN1|NEDF	SUMO pept	protein-coding
chr16-319	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr16	31909777	31910918	+	0	NA	intron (N	L1M1|LINE	36540	NM_003414	10308	Hs.460645	NM_003414	ENSG0000C	ZNF267	HZF2	zinc fing	protein-coding
chr16-680	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr16	68075788	68078649	+	0	NA	intron (N	AluSg7|SI	-8152	NM_173163	4775	Hs.436585	NM_004555	ENSG0000C	NFATC3	NF-AT4c|N	nuclear f	protein-coding
chr16-705	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr16	70500396	70501179	+	0	NA	intron (N	MIR3|SINE	22767	NM_001365	25839	Hs.208680	NM_015386	ENSG0000C	COG4	CDG2J|COD	component	protein-coding
chr19-153	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr19	15388225	15389627	+	0	NA	intron (N	intron (N	-9139	NM_005858	10270	Hs.594496	NM_005858	ENSG0000C	AKAP8	AKAP 95|A	A-kinase	protein-coding
chr20-252	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr20	25271537	25273162	+	0	NA	intron (N	intron (N	24264	NM_002862	5834	Hs.368157	NM_002862	ENSG0000C	PYGB	GPBB	glycogen	protein-coding
chr3-5764	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr3	57640861	57643712	+	0	NA	intron (N	AluSx3|SI	44497	NR_132369	1.06E+08	Hs.667207	NR_132369	ENSG0000C	ARF4-AS1	-	ARF4 anti	ncRNA
chr6-3585	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr6	35851123	35852745	+	0	NA	intron (N	intron (N	46582	NM_182548	222662	Hs.367947	NM_182548	ENSG0000C	LHFPL5	DFNB67|TM	LHFPL tet	protein-coding
chr6-1110	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	MIRb|SINE	27521	NM_032194	84154	Hs.372265	NM_032194	ENSG0000C	RPF2	BXDC1|bA3	ribosome	protein-coding
chr8-2259	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr8	22591628	22593098	+	0	NA	intron (N	AluSx1|SI	-7236	NM_001013	541565	Hs.743508	NM_173686	ENSG0000C	C8orf58	-	chromosom	protein-coding
chr8-9504	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr8	95046178	95048173	+	0	NA	intron (N	intron (N	22186	NR_148913	137682	Hs.435500	NM_152416	ENSG0000C	NDUFAF6	C8orf38|M	NADH:ubic	protein-coding
chr9-3238	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chr9	32386612	32388148	+	0	NA	intron (N	MER63A|DN	2737	NM_001362	48	Hs.567229	NM_002197	ENSG0000C	ACO1	ACONS|HEI	aconitase	protein-coding
chrX-2199	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chrX	21992956	21993533	+	0	NA	intron (N	intron (N	-39081	NM_001282	5251	Hs.495834	NM_000444	ENSG0000C	PHEX	HPDR|HPDR	phosphate	protein-coding
chrX-6852	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chrX	68523313	68525641	+	0	NA	intron (N	(AT)n|Sim	25426	NM_173834	286451	Hs.82719	NM_173834	ENSG0000C	YIPF6	FinGER6	Yip1 doma	protein-coding
chrX-7137	5.675072	0.168104	0.959975	0.175113	0.860991	0.981636	chrX	71379710	71382730	+	0	NA	intron (N	L1ME3G|LI	14863	NR_104387	6872	Hs.158560	NM_004606	ENSG0000C	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr15-754	8.171879	0.144488	0.825562	0.175018	0.861066	0.981636	chr15	75478635	75479142	+	0	NA	intron (N	intron (N	-23073	NM_001145	25942	Hs.513039	NM_015477	ENSG0000C	SIN3A	WITKOS	SIN3 tran	protein-coding
chr17-440	8.171879	0.144488	0.825562	0.175018	0.861066	0.981636	chr17	44082168	44082489	+	0	NA	intron (N	intron (N	11417	NR_028582	92579	Hs.294005	NM_138387	ENSG0000C	G6PC3	SCN4|UGRF	glucose-6	protein-coding
chr1-2444	5.162768	0.176756	1.009944	0.175016	0.861067	0.981636	chr1	24440201	24441019	+	0	NA	intron (N	intron (N	24585	NM_001322	57185	Hs.523442	NM_020448	ENSG0000C	NIPAL3	DJ462023.	NIPA like	protein-coding
chr3-1865	5.162768	0.176756	1.009944	0.175016	0.861067	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	MLT1J2|LT	4212	NM_018138	55171	Hs.518469	NM_018138	ENSG0000C	TBCCD1	-	TBCC doma	protein-coding
chr2-2298	7.854524	-0.14572	0.832696	-0.175	0.861078	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	87168	NM_001348	9320	Hs.572642	NM_004238	ENSG0000C	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr17-498	8.228734	0.142568	0.814704	0.174994	0.861084	0.981636	chr17	49821330	49822681	+	0	NA	intron (N	intron (N	-23905	NM_001242	729220	Hs.434138	NM_001242791		FLJ45513	-	uncharact	protein-coding
chr13-951	6.228516	0.163105	0.932368	0.174937	0.861129	0.981636	chr13	95123091	95124394	+	0	NA	intron (N	intron (N	-86602	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-490	6.228516	0.163105	0.932368	0.174937	0.861129	0.981636	chr15	49018926	49019446	+	0	NA	intron (N	intron (N	27260	NM_001193	9728	Hs.9997	NM_014701	ENSG0000C	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr8-4802	6.228516	0.163105	0.932368	0.174937	0.861129	0.981636	chr8	48025108	48025865	+	0	NA	intron (N	AluSz|SIN	17055	NM_003350	7336	Hs.491695	NM_003350	ENSG0000C	UBE2V2	DDVIT1|DD	ubiquitin	protein-coding
chr1-3283	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr1	32838485	32839599	+	0	NA	intron (N	FLAM_A|SI	13729	NR_135106	64766	Hs.440880	NM_022753	ENSG0000C	S100PBP	S100PBPR	S100P bin	protein-coding
chr1-3582	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr1	35824821	35829734	+	0	NA	intron (N	AluSx1|SI	19261	NM_017629	192670	Hs.744858	NM_017629	ENSG0000C	AGO4	EIF2C4	argonaute	protein-coding
chr1-4050	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr1	40503039	40503890	+	0	NA	Intergeni	Intergeni	-5255	NM_001346	64789	Hs.59584	NM_022774	ENSG0000C	EXO5	C1orf176|	exonuclea	protein-coding
chr1-7763	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr1	77633269	77634024	+	0	NA	intron (N	MIR|SINE|	49012	NM_015534	26009	Hs.480506	NM_015534	ENSG0000C	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-2112	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	L1MEd|LIN	26190	NM_018254	55758	Hs.356399	NM_018254	ENSG0000C	RCOR3	-	REST core	protein-coding
chr10-792	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr10	79200166	79204014	+	0	NA	intron (N	FLAM_C|SI	133124	NM_020338	57178	Hs.193118	NM_020338	ENSG0000C	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr10-805	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr10	80517667	80520150	+	0	NA	3’ UTR (N	3’ UTR (N	17034	NR_120661	1.02E+08	Hs.593663	NR_120661	ENSG0000C	LOC101929	-	uncharact	ncRNA
chr11-740	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr11	74089989	74095377	+	0	NA	intron (N	intron (N	78319	NM_015531	26005	Hs.557938	NM_015531	ENSG0000C	C2CD3	OFD14	C2 domain	protein-coding
chr12-105	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	16424	NM_152318	121053	Hs.295563	NM_152318	ENSG0000C	C12orf45	-	chromosom	protein-coding
chr12-117	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	MER58B|DN	17509	NM_015002	23014	Hs.740376	NM_015002	ENSG0000C	FBXO21	FBX21	F-box pro	protein-coding
chr13-208	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr13	20837019	20839175	+	0	NA	intron (N	intron (N	-64136	NM_001318	221143	Hs.26674	NM_174928	ENSG0000C	EEF1AKMT1	ESP13|N6A	EEF1A lys	protein-coding
chr13-995	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr13	99559588	99561885	+	0	NA	intron (N	AluYk2|SI	-16376	NR_126390	1.04E+08	Hs.639387	NR_126390		LINC01039	-	long inte	ncRNA
chr13-102	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	19671	NM_001010	196541	Hs.508623	NM_001010	ENSG0000C	METTL21C	C13orf39	methyltra	protein-coding
chr13-114	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	L1M5|LINE	30505	NM_001320	22821	Hs.593075	NM_007368	ENSG0000C	RASA3	GAP1IP4BF	RAS p21 p	protein-coding
chr15-229	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr15	22902276	22903932	+	0	NA	intron (N	intron (N	14209	NM_001033	23191	Hs.26704	NM_014608	ENSG0000C	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr16-350	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr16	3507405	3508467	+	0	NA	intron (N	L1ME4b|LI	-1958	NM_024793	23059	Hs.155995	NM_015041	ENSG0000C	CLUAP1	CFAP22|FA	clusterin	protein-coding
chr16-433	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr16	4332931	4333686	+	0	NA	intron (N	intron (N	1084	NM_032575	84662	Hs.592087	NM_032575	ENSG0000C	GLIS2	NKL|NPHP7	GLIS fami	protein-coding
chr16-877	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr16	87753809	87755987	+	0	NA	intron (N	intron (N	11088	NM_001184	54758	Hs.123450	NM_017566	ENSG0000C	KLHDC4	-	kelch dom	protein-coding
chr17-375	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr17	37525466	37526840	+	0	NA	intron (N	MLT1I|LTR	36262	NM_007026	11072	Hs.91448	NM_007026	ENSG0000C	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr19-232	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr19	23267934	23268616	+	0	NA	intron (N	AluSz|SIN	5976	NR_103742	1E+08	Hs.629249	NR_103741		IPO5P1	-	importin	pseudo
chr19-350	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr19	35025067	35026018	+	0	NA	intron (N	AluSx1|SI	-4928	NM_001037	6324	Hs.436646	NM_001037	ENSG0000C	SCN1B	ATFB13|BR	sodium vo	protein-coding
chr2-9356	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	9356404	9357613	+	0	NA	intron (N	intron (N	65583	NM_001319	9270	Hs.467662	NM_004763	ENSG0000C	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-2592	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	25927032	25927988	+	0	NA	3’ UTR (N	3’ UTR (N	-49023	NM_018263	55252	Hs.119815	NM_018263	ENSG0000C	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr2-3884	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	38843123	38843914	+	0	NA	intron (N	intron (N	32416	NM_198963	90957	Hs.468226	NM_198963	ENSG0000C	DHX57	DDX57	DExH-box	protein-coding
chr2-1328	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-103141	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG0000C	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-1518	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	1.52E+08	1.52E+08	+	0	NA	3’ UTR (N	3’ UTR (N	25261	NM_001037	26225	Hs.470233	NM_012097	ENSG0000C	ARL5A	ARFLP5|AR	ADP ribos	protein-coding
chr2-1913	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	154259	NM_001161	4430	Hs.439620	NM_012223	ENSG0000C	MYO1B	MMI-alpha	myosin IB	protein-coding
chr20-519	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr20	5198399	5201821	+	0	NA	Intergeni	L1PA4|LIN	73102	NM_003818	8760	Hs.126857	NM_003818	ENSG0000C	CDS2	-	CDP-diacy	protein-coding
chr20-564	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr20	56483580	56485837	+	0	NA	intron (N	intron (N	16123	NM_001283	51507	Hs.517134	NM_016407	ENSG0000C	RTF2	C20orf43|	replicati	protein-coding
chr20-564	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr20	56489912	56491981	+	0	NA	TTS (NM_C	TTS (NM_C	22361	NM_001283	51507	Hs.517134	NM_016407	ENSG0000C	RTF2	C20orf43|	replicati	protein-coding
chr20-583	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr20	58314454	58315545	+	0	NA	intron (N	intron (N	5284	NM_020673	57403	Hs.529044	NM_020673	ENSG0000C	RAB22A	-	RAB22A, m	protein-coding
chr22-387	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr22	38749460	38752449	+	0	NA	exon (NM_	exon (NM_	4512	NM_001199	25777	Hs.517622	NM_015374	ENSG0000C	SUN2	UNC84B	Sad1 and	protein-coding
chr3-1809	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	4048	NM_001363	8087	Hs.478407	NM_005087	ENSG0000C	FXR1	FXR1P	FMR1 auto	protein-coding
chr4-8293	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr4	82931383	82937612	+	0	NA	intron (N	intron (N	-33581	NR_034077	1E+08	Hs.728916	NR_034075	ENSG0000C	THAP9-AS1	-	THAP9 ant	ncRNA
chr5-3060	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	306086	307705	+	0	NA	intron (N	intron (N	2719	NM_020731	57491	Hs.50823	NM_020731	ENSG0000C	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr5-6237	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	62379979	62381063	+	0	NA	intron (N	Tigger2|D	23384	NM_001348	27292	Hs.731665	NM_014473	ENSG0000C	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-7388	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	73883167	73884456	+	0	NA	exon (NM_	exon (NM_	70265	NM_001244	64283	Hs.482521	NM_001080	ENSG0000C	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-8355	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	83554292	83556061	+	0	NA	intron (N	MIRc|SINE	7138	NR_136215	1.05E+08	Hs.643801	NR_136215	ENSG0000C	VCAN-AS1	-	VCAN anti	ncRNA
chr5-1135	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	26128	NM_001345	64848	Hs.231942	NM_022828	ENSG0000C	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr5-1510	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7546	NM_001329	2878	Hs.386793	NM_002084	ENSG0000C	GPX3	GPx-P|GSH	glutathio	protein-coding
chr6-1005	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-65708	NM_005068	6492	Hs.520293	NM_005068	ENSG0000C	SIM1	bHLHe14	SIM bHLH	protein-coding
chr7-2991	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	29919748	29920988	+	0	NA	3’ UTR (N	3’ UTR (N	69433	NM_014766	9805	Hs.520740	NM_014766	ENSG0000C	SCRN1	SES1	secernin	protein-coding
chr7-4750	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	47507683	47510167	+	0	NA	intron (N	MLT1F|LTR	-44122	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-7424	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	74241981	74243131	+	0	NA	intron (N	intron (N	11843	NM_181471	5982	Hs.647062	NM_002914	ENSG0000C	RFC2	RFC40	replicati	protein-coding
chr7-8732	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	87324196	87325419	+	0	NA	TTS (NR_C	TTS (NR_C	20685	NR_015381	11257	Hs.274329	NM_007233	ENSG0000C	TP53TG1	LINC00096	TP53 targ	ncRNA
chr7-1309	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	42121	NR_109780	1.01E+08	Hs.635013	NR_109780		LINC00513	-	long inte	ncRNA
chr7-1589	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-75806	NR_024394	154822	Hs.544783	NM_198345	ENSG0000C	LINC00689	-	long inte	ncRNA
chr8-2220	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr8	22206904	22208408	+	0	NA	intron (N	intron (N	24443	NM_014759	9796	Hs.334688	NM_014759	ENSG0000C	PHYHIP	DYRK1AP3|	phytanoyl	protein-coding
chr9-1089	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	16256	NM_001318	8518	Hs.494738	NM_003640	ENSG0000C	ELP1	DYS|FD|IK	elongator	protein-coding
chrX-1374	6.187376	0.160825	0.920072	0.174796	0.86124	0.981636	chrX	13740321	13740623	+	0	NA	intron (N	intron (N	5724	NM_003611	8481	Hs.6483	NM_003611	ENSG0000C	OFD1	71-7A|CXo	OFD1 cent	protein-coding
chr12-277	8.179737	0.142559	0.815915	0.174723	0.861297	0.981636	chr12	27719835	27721459	+	0	NA	intron (N	(AT)n|Sim	9815	NM_021821	60488	Hs.714076	NM_021821	ENSG0000C	MRPS35	HDCMD11P|	mitochond	protein-coding
chr14-100	8.179737	0.142559	0.815915	0.174723	0.861297	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	246	NR_003220	767608		NR_003220	ENSG0000C	SNORD114-	14q(II-27	small nuc	snoRNA
chr4-1228	8.179737	0.142559	0.815915	0.174723	0.861297	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	TTS (NM_C	TTS (NM_C	30046	NM_007083	11162	Hs.558459	NM_007083	ENSG0000C	NUDT6	ASFGF2|FG	nudix hyd	protein-coding
chr8-6713	8.179737	0.142559	0.815915	0.174723	0.861297	0.981636	chr8	67134548	67135357	+	0	NA	intron (N	Tigger1|D	51104	NM_001291	79848	Hs.370147	NM_024790	ENSG0000C	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr1-1027	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr1	10277417	10279282	+	0	NA	intron (N	intron (N	-20617	NR_104084	1.02E+08		NR_104084	ENSG0000C	RNU6-7	U6-7	RNA, U6 s	snRNA
chr10-545	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr10	5453734	5456786	+	0	NA	intron (N	intron (N	8651	NM_005863	10276	Hs.25155	NM_005863	ENSG0000C	NET1	ARHGEF8|N	neuroepit	protein-coding
chr10-246	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr10	24606610	24608238	+	0	NA	intron (N	intron (N	15419	NM_001367	57584	Hs.524195	NM_020824	ENSG0000C	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr10-871	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr10	87180059	87183865	+	0	NA	intron (N	AluSp|SIN	-43486	NM_001099	728118	Hs.710565	NM_001099	ENSG0000C	NUTM2A	FAM22A	NUT famil	protein-coding
chr10-109	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	31205	NM_001324	7511	Hs.390623	NM_020383	ENSG0000C	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr11-370	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr11	3701461	3706416	+	0	NA	intron (N	AluJr|SIN	-32554	NM_001303	57053	Hs.732806	NM_020402	ENSG0000C	CHRNA10	-	cholinerg	protein-coding
chr11-685	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr11	68553934	68554802	+	0	NA	intron (N	intron (N	93616	NM_001352	55291	Hs.503022	NM_018312	ENSG0000C	PPP6R3	C11orf23|	protein p	protein-coding
chr11-777	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr11	77704154	77704829	+	0	NA	intron (N	intron (N	-66685	NM_001311	1207	Hs.430733	NM_001293	ENSG0000C	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr11-117	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	6174	NM_004716	9159	Hs.648612	NM_004716	ENSG0000C	PCSK7	LPC|PC7|P	proprotei	protein-coding
chr12-954	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr12	95485218	95487221	+	0	NA	intron (N	intron (N	12067	NM_001317	10988	Hs.444986	NM_006838	ENSG0000C	METAP2	MAP2|MNPE	methionyl	protein-coding
chr12-121	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	Intergeni	AluSq|SIN	16943	NR_106957	1.02E+08		NR_106957	ENSG0000C	MIR7107	hsa-mir-7	microRNA	ncRNA
chr13-956	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr13	95626912	95627948	+	0	NA	intron (N	L1MB5|LIN	17276	NM_198968	22873	Hs.656580	NM_014934	ENSG0000C	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr14-451	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr14	45122943	45124116	+	0	NA	intron (N	MER67A|LT	10952	NM_002013	2287	Hs.509226	NM_002013	ENSG0000C	FKBP3	FKBP-25|F	FKBP prol	protein-coding
chr14-544	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr14	54476200	54476756	+	0	NA	3’ UTR (N	3’ UTR (N	12502	NM_004124	2764	Hs.151413	NM_004124	ENSG0000C	GMFB	GMF	glia matu	protein-coding
chr15-382	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr15	38291498	38291697	+	0	NA	intron (N	THE1A-int	38761	NM_152594	161742	Hs.525781	NM_152594	ENSG0000C	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr15-424	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr15	42441531	42444519	+	0	NA	intron (N	intron (N	14542	NM_022473	64397	Hs.511143	NM_022473	ENSG0000C	ZNF106	SH3BP3|ZF	zinc fing	protein-coding
chr15-789	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr15	78907281	78910656	+	0	NA	Intergeni	MLT1G1|LT	35979	NM_001265	10933	Hs.374503	NM_006791	ENSG0000C	MORF4L1	Eaf3|FWPC	mortality	protein-coding
chr17-596	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr17	59697227	59699825	+	0	NA	intron (N	MER20B|DN	9072	NM_016077	51651	Hs.12677	NM_016077	ENSG0000C	PTRH2	BIT1|CFAP	peptidyl-	protein-coding
chr19-173	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr19	17332840	17333178	+	0	NA	exon (NM_	exon (NM_	1846	NM_020959	57719	Hs.590990	NM_020959	ENSG0000C	ANO8	KIAA1623|	anoctamin	protein-coding
chr2-1717	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	Intergeni	Intergeni	64442	NM_001320	1781	Hs.546250	NM_001378	ENSG0000C	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr2-2031	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MER58A|DN	-52333	NM_177538	57404	Hs.446065	NM_020674	ENSG0000C	CYP20A1	CYP-M	cytochrom	protein-coding
chr21-332	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr21	33253149	33253677	+	0	NA	intron (N	intron (N	12847	NR_038974	1E+08	Hs.709795	NR_038974		IL10RB-DT	IFNAR2-AS	IL10RB di	ncRNA
chr22-455	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr22	45545749	45548656	+	0	NA	exon (NM_	exon (NM_	44319	NM_001996	2192	Hs.24601	NM_001996	ENSG0000C	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr3-1414	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	26507	NM_001350	253461	Hs.518301	NM_152535	ENSG0000C	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr5-5725	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr5	57252525	57252842	+	0	NA	intron (N	AluJo|SIN	38609	NM_001127	65056	Hs.444279	NM_022913	ENSG0000C	GPBP1	GPBP|SSH6	GC-rich p	protein-coding
chr5-1348	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSp|SIN	-27053	NM_152409	134553	Hs.708536	NM_152409	ENSG0000C	C5orf24	-	chromosom	protein-coding
chr8-1185	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr8	11859630	11861718	+	0	NA	intron (N	intron (N	7413	NM_001908	1508	Hs.520898	NM_001908	ENSG0000C	CTSB	APPS|CPSB	cathepsin	protein-coding
chr8-8167	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr8	81679903	81680651	+	0	NA	intron (N	MLT1F1|LT	6048	NM_005536	3612	Hs.656694	NM_005536	ENSG0000C	IMPA1	IMP|IMPA|	inositol	protein-coding
chr9-1908	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr9	19088992	19094412	+	0	NA	intron (N	AluSx1|SI	11202	NM_017645	54801	Hs.533468	NM_017645	ENSG0000C	HAUS6	Dgt6|FAM2	HAUS augm	protein-coding
chr9-3254	7.393067	-0.14831	0.849098	-0.17467	0.861336	0.981636	chr9	32541522	32543468	+	0	NA	exon (NM_	exon (NM_	-8649	NM_001349	1E+08	Hs.664395	NM_001349	ENSG0000C	SMIM27	C9orf133|	small int	protein-coding
chr2-1916	13.09375	-0.11436	0.654871	-0.17463	0.861367	0.981636	chr2	1.92E+08	1.92E+08	+	0	NA	intron (N	intron (N	4817	NR_045623	64859	Hs.591610	NM_022837	ENSG0000C	NABP1	OBFC2A|SC	nucleic a	protein-coding
chr7-6615	6.403591	-0.16485	0.944636	-0.17451	0.861463	0.981636	chr7	66156967	66157256	+	0	NA	Intergeni	AluSz6|SI	42264	NM_014478	27297	Hs.300684	NM_014478	ENSG0000C	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr5-9716	8.164021	0.146541	0.839883	0.174478	0.86149	0.981636	chr5	97162405	97162801	+	0	NA	3’ UTR (N	3’ UTR (N	-19992	NM_153234	167410	Hs.656702	NM_153234	ENSG0000C	LIX1	C5orf11|L	limb and	protein-coding
chr1-1740	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr1	17407061	17408958	+	0	NA	3’ UTR (N	3’ UTR (N	30527	NM_001136	55920	Hs.380857	NM_018715	ENSG0000C	RCC2	TD-60	regulator	protein-coding
chr1-2345	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr1	23454896	23455899	+	0	NA	intron (N	intron (N	28782	NM_017707	55616	Hs.437379	NM_017707	ENSG0000C	ASAP3	ACAP4|CEN	ArfGAP wi	protein-coding
chr1-2673	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr1	26739888	26740535	+	0	NA	intron (N	L3|LINE|C	44196	NM_006015	8289	Hs.468972	NM_006015	ENSG0000C	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr1-6246	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr1	62465381	62467434	+	0	NA	intron (N	Tigger2|D	29358	NM_003368	7398	Hs.35086	NM_003368	ENSG0000C	USP1	UBP	ubiquitin	protein-coding
chr13-500	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr13	50097869	50100693	+	0	NA	intron (N	L1MEc|LIN	17112	NR_109973	10301	Hs.591229	NM_005887	ENSG0000C	DLEU1	BCMS|BCMS	deleted i	ncRNA
chr15-446	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr15	44624906	44626067	+	0	NA	intron (N	MSTA|LTR|	38176	NM_001160	80208	Hs.656271	NM_025137	ENSG0000C	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr16-156	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr16	15666307	15669010	+	0	NA	intron (N	AluSq|SIN	17413	NM_017668	54820	Hs.655378	NM_017668	ENSG0000C	NDE1	HOM-TES-8	nudE neur	protein-coding
chr16-188	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr16	18827226	18828334	+	0	NA	intron (N	(AT)n|Sim	-26231	NM_015161	23204	Hs.634882	NM_015161	ENSG0000C	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-249	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr16	24919634	24920344	+	0	NA	3’ UTR (N	3’ UTR (N	73758	NM_052944	115584	Hs.164118	NM_052944	ENSG0000C	SLC5A11	KST1|RKST	solute ca	protein-coding
chr16-302	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr16	30222825	30224819	+	0	NA	exon (NM_	exon (NM_	-16895	NR_002557	613038	Hs.569585	NR_002557	ENSG0000C	LOC613038	-	SAGA comp	pseudo

chr16-862	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr16	86272927	86273969	+	0	NA	intron (N	intron (N	12799	NR_104139	1.01E+08	Hs.640512	NR_104139		LINC01081	TCONS0002	long inte	ncRNA
chr17-479	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr17	47944854	47945679	+	0	NA	intron (N	intron (N	3695	NM_018129	55163	Hs.631742	NM_018129	ENSG00000	PNPO	HEL-S-302	pyridoxam	protein-coding
chr17-815	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr17	81544672	81550366	+	0	NA	exon (NM_	exon (NM_	4834	NM_025161	80233	Hs.313905	NM_025161	ENSG00000	FAAP100	C17orf70	FA core c	protein-coding
chr18-487	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr18	48761606	48763389	+	0	NA	intron (N	intron (N	91897	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr19-163	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr19	1634035	1641717	+	0	NA	intron (N	AluY|SINE	14739	NM_001136	6929	Hs.371282	NM_003200	ENSG00000	TCF3	AGM8|E2A|	transcrip	protein-coding
chr19-449	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr19	44981543	44982432	+	0	NA	intron (N	MER33|DNA	-19477	NM_006509	5971	Hs.654402	NM_006509	ENSG00000	RELB	I-REL|IMD	RELB prot	protein-coding
chr2-8607	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr2	86073963	86075065	+	0	NA	intron (N	MER117|DN	31372	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-9941	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr2	99411772	99412696	+	0	NA	intron (N	AluSx3|SI	74845	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr2-1215	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-5330	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr2-1602	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-10072	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr3-5148	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr3	51482766	51483330	+	0	NA	intron (N	AluSq2|SI	16954	NM_001171	9730	Hs.716623	NM_014703	ENSG00000	DCAF1	RIP|VPRBP	DDB1 and	protein-coding
chr3-1290	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	29810	NM_000174	2815	Hs.1144	NM_000174	ENSG00000	GP9	CD42a|GPI	glycoprot	protein-coding
chr5-6600	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr5	6600887	6602752	+	0	NA	intron (N	intron (N	18543	NR_024424	255167	Hs.435515	NR_024423	ENSG00000	LINC01018	SRHC	long inte	ncRNA
chr6-4224	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr6	42244475	42245810	+	0	NA	intron (N	MamTip2|D	-27281	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochonc	protein-coding
chr6-4303	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr6	43031176	43031526	+	0	NA	Intergeni	AluY|SINE	9728	NM_033112	88745	Hs.309231	NM_033112	ENSG00000	RRP36	C6orf153|	ribosomal	protein-coding
chr6-1094	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	L2a|LINE|	-6902	NM_001286	64780	Hs.33476	NM_022765	ENSG00000	MICAL1	MICAL|MIC	microtubu	protein-coding
chr7-8486	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr7	848602	852684	+	0	NA	intron (N	intron (N	9269	NM_001367	23353	Hs.438072	NM_025154	ENSG00000	SUN1	UNC84A	Sad1 and	protein-coding
chr7-2711	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr7	27115573	27117620	+	0	NA	intron (N	intron (N	2999	NM_030661	3200	Hs.659337	NM_030661	ENSG00000	HOXA3	HOX1|HOX1	homeobox	protein-coding
chr8-4227	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr8	42274084	42275987	+	0	NA	intron (N	AluSx|SIN	3733	NR_033818	3551	Hs.597664	NM_001556	ENSG00000	IKBKB	IKK-beta|	inhibitor	protein-coding
chr9-9823	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chr9	98234773	98235966	+	0	NA	intron (N	intron (N	-6152	NR_106913	1.02E+08		NR_106913	ENSG00000	MIR6854	hsa-mir-6	microRNA	ncRNA
chrX-5358	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chrX	53582676	53583424	+	0	NA	intron (N	L2a|LINE|	-25776	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chrX-1295	6.69968	0.154643	0.887641	0.174218	0.861694	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	16056	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr8-1002	4.650464	0.187149	1.074392	0.174191	0.861716	0.981636	chr8	1E+08	1E+08	+	0	NA	intron (N	intron (N	28522	NM_001353	25897	Hs.292882	NM_015435	ENSG00000	RNF19A	RNF19	ring fing	protein-coding
chr14-103	13.58849	-0.1117	0.641725	-0.17406	0.861816	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	1572	NR_002964	677811	Hs.658237	NR_002964	ENSG00000	SNORA28	ACA28	small nuc	snoRNA
chr5-1511	9.212202	0.134049	0.770689	0.173934	0.861917	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	MLT1C|LTR	-16596	NM_001252	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chrX-1593	9.212202	0.134049	0.770689	0.173934	0.861917	0.981636	chrX	1593787	1595080	+	0	NA	intron (N	intron (N	-1022	NM_004043	438	Hs.522572	NM_004043	ENSG00000	ASMT	ASMTY|HIC	acetylser	protein-coding
chr1-2172	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr1	21728445	21729228	+	0	NA	intron (N	intron (N	54313	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitir	protein-coding
chr1-5388	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr1	53881683	53882914	+	0	NA	intron (N	L1PA8A|LI	7499	NR_036640	54432	Hs.11923	NM_018982	ENSG00000	YIPF1	DJ167A19.	Yip1 doma	protein-coding
chr11-712	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr11	71237967	71240631	+	0	NA	Intergeni	MIR1_Amn|	-14503	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CC	SH3 and m	protein-coding
chr12-651	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr12	6514388	6516009	+	0	NA	intron (N	AluJr|SIN	4976	NR_004387	692148		NR_004387	ENSG00000	SCARNA10	U85	small Ca	ncRNA
chr14-306	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr14	30630632	30632357	+	0	NA	intron (N	MER47A|DN	9175	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr16-482	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr16	48270079	48270837	+	0	NA	intron (N	intron (N	-22919	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr2-2627	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr2	26279494	26280688	+	0	NA	exon (NM_	exon (NM_	35152	NM_001281	3032	Hs.515848	NM_000183	ENSG00000	HADHB	ECHB|MSTP	hydroxyac	protein-coding
chr2-2763	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr2	27634643	27636171	+	0	NA	intron (N	intron (N	6357	NM_007266	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr2-6987	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr2	69870115	69871081	+	0	NA	intron (N	L1MB3|LIN	-23358	NR_037862	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr20-627	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr20	62797980	62800088	+	0	NA	exon (NM_	exon (NM_	2561	NR_136405	55257	Hs.443260	NM_018270	ENSG00000	MRGBP	C20orf20|	MRG domai	protein-coding
chr4-8712	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr4	87127322	87127662	+	0	NA	intron (N	(CTCCTT)r	92776	NM_001292	57563	Hs.106601	NM_020803	ENSG00000	KLHL8	-	kelch lik	protein-coding
chr5-1040	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr5	10406754	10408825	+	0	NA	intron (N	AluSp|SIN	5425	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-3240	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr5	32409576	32410715	+	0	NA	intron (N	AluJb|SIN	-15670	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-7705	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr5	77059675	77062699	+	0	NA	intron (N	L1ME3A|LI	19384	NR_003014	677828	Hs.693249	NR_003014	ENSG00000	SNORA47	HBI-115	small nuc	snoRNA
chr6-4115	8.699898	0.137173	0.788829	0.173895	0.861948	0.981636	chr6	4115389	4117643	+	0	NA	intron (N	AluSx1|SI	18952	NM_001166	10455	Hs.15250	NM_006117	ENSG00000	ECI2	ACBD2|DRS	enoyl-CoA	protein-coding
chr3-1078	9.724506	0.131289	0.755385	0.173805	0.862019	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	3’ UTR (N	3’ UTR (N	72445	NR_024276	151658	Hs.159043	NR_015414	ENSG00000	LINC00635	-	long inte	ncRNA
chr17-375	7.667433	0.14673	0.844551	0.173738	0.862072	0.981636	chr17	37578812	37579748	+	0	NA	intron (N	intron (N	30138	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr2-2186	7.667433	0.14673	0.844551	0.173738	0.862072	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	-16572	NM_014640	9654	Hs.471405	NM_014640	ENSG00000	TTLL4	-	tubulin t	protein-coding
chr3-5028	7.667433	0.14673	0.844551	0.173738	0.862072	0.981636	chr3	50288527	50288919	+	0	NA	TTS (NM_C	TTS (NM_C	3872	NM_006764	7866	Hs.315177	NM_006764	ENSG00000	IFRD2	IFNRP|SKM	interferc	protein-coding
chr1-1257	6.48587	-0.15913	0.916328	-0.17366	0.862132	0.981636	chr1	12574677	12575458	+	0	NA	intron (N	AluSx1|SI	3956	NR_106788	1.02E+08		NR_106788	ENSG00000	MIR6730	hsa-mir-6	microRNA	ncRNA
chr10-100	6.48587	-0.15913	0.916328	-0.17366	0.862132	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	AluY|SINE	-7210	NR_002954	677800	Hs.662165	NR_002954	ENSG00000	SNORA12	U108	small nuc	snoRNA
chr9-2040	6.48587	-0.15913	0.916328	-0.17366	0.862132	0.981636	chr9	2040008	2040668	+	0	NA	intron (N	L4_B_Mam|	18393	NM_001289	6595	Hs.298990	NM_003070	ENSG00000	SMARCA2	BAF190|BR	SWI/SNF r	protein-coding
chr10-610	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr10	6101138	6102961	+	0	NA	intron (N	intron (N	12703	NM_001145	84991	Hs.498548	NM_032905	ENSG00000	RBM17	SPF45	RNA bindi	protein-coding
chr10-149	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr10	14943626	14944899	+	0	NA	intron (N	AluSx1|SI	9834	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr11-114	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MEf|LIN	3387	NM_006169	4837	Hs.503911	NM_006169	ENSG00000	NNMT	-	nicotinam	protein-coding
chr14-242	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr14	24227045	24228510	+	0	NA	intron (N	intron (N	4590	NM_006156	4738	Hs.531064	NM_006156	ENSG00000	NEDD8	NEDD-8	NEDD8 ubi	protein-coding
chr16-223	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr16	22335951	22337187	+	0	NA	Intergeni	L1MA9|LIN	38050	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr18-215	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr18	21535650	21535986	+	0	NA	intron (N	intron (N	64886	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr19-458	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr19	45822453	45823361	+	0	NA	intron (N	intron (N	-7599	NM_030785	81492	Hs.146544	NM_030785	ENSG00000	RSPH6A	RSHL1|RSP	radial sp	protein-coding
chr2-1967	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	10212	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr20-623	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr20	62388139	62389929	+	0	NA	TTS (NM_C	TTS (NM_C	1931	NM_001024	6227	Hs.190968	NM_001024	ENSG00000	RPS21	HLDF|S21	ribosomal	protein-coding
chr22-200	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr22	20038119	20039151	+	0	NA	intron (N	intron (N	5496	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr4-1435	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-9323	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr5-3894	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr5	38944142	38945597	+	0	NA	intron (N	A-rich|Lo	98857	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr6-7567	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr6	75677641	75679156	+	0	NA	intron (N	intron (N	-70841	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr7-1379	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	25931	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr7-1433	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	-11062	NR_046453	1180	Hs.121483	NM_000083	ENSG00000	CLCN1	CLC1	chloride	protein-coding
chr8-5381	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr8	53816287	53817490	+	0	NA	intron (N	intron (N	26154	NM_213620	51606	Hs.491737	NM_015941	ENSG00000	ATP6V1H	CGI-11|MS	ATPase H+	protein-coding
chr8-1409	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	Tigger1|D	4313	NM_001352	5747	Hs.395482	NM_005607	ENSG00000	PTK2	FADK|FAK|	protein t	protein-coding
chr8-1411	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	MER4D|LTR	16025	NR_148197	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-6505	8.187594	0.14072	0.810398	0.173643	0.862146	0.981636	chr9	6505804	6506621	+	0	NA	non-codir	non-codir	93013	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitir	protein-coding
chr1-1647	7.911379	-0.14707	0.847167	-0.1736	0.86218	0.981636	chr1	16474346	16475408	+	0	NA	intron (N	AluSz|SIN	13070	NR_147211	1.08E+08	Hs.528312	NR_147210	ENSG00000	LINC01772	-	long inte	ncRNA
chr1-1863	10.23681	0.128844	0.74246	0.173536	0.86223	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	exon (NM_	exon (NM_	29003	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr4-1501	7.659575	0.148806	0.857848	0.173465	0.862286	0.981636	chr4	15010855	15011641	+	0	NA	intron (N	AluSx|SIN	8767	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr11-621	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr11	6216739	6218167	+	0	NA	exon (NM_	exon (NM_	11896	NM_173525	160298	Hs.278221	NM_173525	ENSG00000	C11orf42	-	chromosom	protein-coding
chr12-132	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20514	NM_001170	192111	Hs.102558	NM_138575	ENSG00000	PGAM5	BXLBV68	PGAM fami	protein-coding
chr15-754	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr15	75401916	75407163	+	0	NA	intron (N	AluSx1|SI	-35912	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr17-719	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr17	7198983	7199954	+	0	NA	intron (N	AluSq2|SI	5719	NM_001321	1742	Hs.463928	NM_001365	ENSG00000	DLG4	PSD95|SAP	discs lar	protein-coding
chr17-295	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr17	29507287	29508263	+	0	NA	intron (N	L1M5|LINE	59262	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-826	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr17	82626657	82629534	+	0	NA	intron (N	AluJb|SIN	20349	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr2-7386	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr2	73862433	73865732	+	0	NA	3’ UTR (N	3’ UTR (N	-28926	NM_001615	72	Hs.516105	NM_001615	ENSG00000	ACTG2	ACT|ACTA3	actin gam	protein-coding
chr20-489	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr20	48942921	48944233	+	0	NA	intron (N	AluJo|SIN	21866	NM_006420	10564	Hs.62578	NM_006420	ENSG00000	ARFGEF2	BIG2|PVNH	ADP ribos	protein-coding
chr4-4784	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr4	47845627	47847490	+	0	NA	TTS (NM_C	TTS (NM_C	-8452	NM_001278	10699	Hs.518618	NM_006587	ENSG00000	CORIN	ATC2|CRN|	corin, se	protein-coding
chr6-3739	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr6	37390932	37391901	+	0	NA	non-codir	non-codir	37433	NR_046399	9025	Hs.485278	NM_003958	ENSG00000	RNF8	hRNF8	ring fing	protein-coding
chr6-4318	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr6	43184859	43185519	+	0	NA	intron (N	MER112|DN	2993	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr9-9593	7.211984	0.149353	0.861102	0.173444	0.862303	0.981636	chr9	95932145	95933750	+	0	NA	intron (N	intron (N	56939	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9c	ERCC exci	protein-coding
chr18-672	7.351928	-0.15105	0.871327	-0.17336	0.86237	0.981636	chr18	672409	673230	+	0	NA	non-codir	non-codir	-14528	NM_001012	494514	Hs.274959	NM_001012716		TYMSOS	C18orf56	TYMS oppc	protein-coding
chr10-131	9.667651	0.132993	0.767841	0.173203	0.862492	0.981636	chr10	13119348	13119607	+	0	NA	intron (N	L1MB5|LIN	19314	NM_001008	10133	Hs.332706	NM_021980	ENSG00000	OPTN	ALS12|FIP	optineuri	protein-coding
chr1-1509	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq|SIN	8561	NM_001366	9869	Hs.643565	NM_012432	ENSG00000	SETDB1	ESET|H3-K	SET domai	protein-coding
chr1-1932	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	-46579	NM_003783	8707	Hs.518834	NM_003783	ENSG00000	B3GALT2	BETA3GALT	beta-1,3-	protein-coding
chr13-956	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr13	95611555	95612114	+	0	NA	intron (N	intron (N	32872	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr14-965	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr14	96549175	96550073	+	0	NA	intron (N	intron (N	46759	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr16-139	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr16	13945998	13947326	+	0	NA	intron (N	MER5A1|DN	26505	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr16-139	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr16	13947736	13948552	+	0	NA	exon (NM_	exon (NM_	27987	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr17-161	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr17	16142646	16143458	+	0	NA	intron (N	intron (N	10144	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr2-2777	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr2	27774368	27775344	+	0	NA	intron (N	L2a|LINE|	3137	NM_004891	9553	Hs.515879	NM_004891	ENSG00000	MRPL33	C2orf1|L3	mitochonc	protein-coding
chr2-2304	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1MA8|LIN	36168	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr20-316	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr20	31665101	31665983	+	0	NA	non-codir	non-codir	27630	NM_032609	84701	Hs.277101	NM_032609	ENSG00000	COX4I2	COX4|COX4	cytochrom	protein-coding
chr21-360	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr21	36051022	36051680	+	0	NA	intron (N	intron (N	9013	NM_001007	54093	Hs.606200	NM_017438	ENSG00000	SETD4	C21orf18|	SET domai	protein-coding
chr3-1860	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	44110	NM_004454	2119	Hs.43697	NM_004454	ENSG00000	ETV5	ERM	ETS varia	protein-coding
chr5-1128	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	L2a|LINE|	22414	NM_003135	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr5-1402	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSg|SIN	3316	NM_002622	5201	Hs.483564	NM_002622	ENSG00000	PFDN1	PDF|PFD1	prefoldir	protein-coding
chr6-9654	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr6	96545847	96546889	+	0	NA	intron (N	L1PB4|LIN	-16157	NM_020482	9457	Hs.632608	NM_020482	ENSG00000	FHL5	1700027G0	four and	protein-coding
chr7-4738	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr7	47382014	47382599	+	0	NA	intron (N	intron (N	82497	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1289	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	25243	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interferc	protein-coding
chr9-1073	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	19964	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chr9-1270	7.675291	0.14476	0.83619	0.173118	0.862558	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	33453	NM_012098	23452	Hs.653262	NM_012098	ENSG00000	ANGPTL2	ARP2|HARP	angiopoie	protein-coding
chr5-1434	13.13489	-0.11292	0.652711	-0.17299	0.862655	0.981636	chr5	14343294	14343493	+	0	NA	intron (N	L1MD2|LIN	-120590	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr11-672	5.170626	0.174017	1.006076	0.172966	0.862678	0.981636	chr11	67212119	67212998	+	0	NA	intron (N	intron (N	-27456	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr2-3430	5.170626	0.174017	1.006076	0.172966	0.862678	0.981636	chr2	3430943	3431926	+	0	NA	intron (N	intron (N	51740	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr5-1769	5.170626	0.174017	1.006076	0.172966	0.862678	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	-40600	NM_002115	3101	Hs.411695	NM_002115	ENSG00000	HK3	HKIII|HXK	hexokinas	protein-coding
chr6-1339	5.170626	0.174017	1.006076	0.172966	0.862678	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	Intergeni	L1ME4a|LI	16440	NM_003206	6943	Hs.78061	NM_003206	ENSG00000	TCF21	POD1|bHLH	transcrip	protein-coding
chr11-118	7.442065	-0.1476	0.853466	-0.17294	0.862699	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSq2|SI	-6543	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr16-488	7.442065	-0.1476	0.853466	-0.17294	0.862699	0.981636	chr16	4884248	4885005	+	0	NA	exon (NM_	exon (NM_	36246	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr2-9501	7.442065	-0.1476	0.853466	-0.17294	0.862699	0.981636	chr2	9501368	9502484	+	0	NA	intron (N	L1ME5|LIN	26871	NM_001320	285148	Hs.667226	NM_001039	ENSG00000	IAH1	-	isoamyl a	protein-coding
chr5-1330	7.442065	-0.1476	0.853466	-0.17294	0.862699	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	13569	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEL	heat shoc	protein-coding
chr14-583	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr14	58349480	58349879	+	0	NA	intron (N	AluSx3|SI	-46251	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr15-700	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr15	70073540	70075909	+	0	NA	intron (N	intron (N	4744	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr16-400	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr16	400028	400460	+	0	NA	exon (NM_	exon (NM_	-1641	NM_020664	26063	Hs.628831	NM_020664	ENSG00000	DECR2	PDCR|SDR1	2,4-dienc	protein-coding
chr16-847	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr16	84775515	84776294	+	0	NA	intron (N	intron (N	-44081	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|I	cysteine	protein-coding
chr2-6919	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr2	69193479	69194059	+	0	NA	intron (N	intron (N	90087	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr3-1770	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	170915	NM_001321	79718	Hs.714201	NM_024665	ENSG00000	TBL1XR1	C21|DC42|	transduci	protein-coding
chr5-6570	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr5	65702910	65703795	+	0	NA	intron (N	intron (N	18757	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr5-1130	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	MER103C|D	51794	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr8-3891	7.895664	-0.14325	0.82852	-0.1729	0.862733	0.981636	chr8	38918452	38920522	+	0	NA	intron (N	intron (N	18141	NM_021623	59339	Hs.369123	NM_021623	ENSG00000	PLEKHA2	TAPP2	pleckstri	protein-coding
chr19-138	7.919237	-0.14916	0.863009	-0.17284	0.862778	0.981636	chr19	13822767	13823606	+	0	NA	intron (N	intron (N	13173	NR_029497	407013		NR_029497	ENSG00000	MIR24-2	MIRN24-2|	microRNA	ncRNA
chr15-434	10.19567	0.127241	0.736303	0.17281	0.862801	0.981636	chr15	43481900	43483013	+	0	NA	intron (N	AluSz|SIN	10700	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor prc	protein-coding

chr4-1327	7.724288	0.144793	0.838988	0.172581	0.862981	0.981636	chr4	1327765	1329701	+	0	NA	intron (N	CpG	-18475	NM_020894	57654	Hs.380475	NM_020894	ENSG00000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr7-5918	7.724288	0.144793	0.838988	0.172581	0.862981	0.981636	chr7	5918551	5919324	+	0	NA	intron (N	intron (N	20204	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr1-1506	11.69144	0.119923	0.69517	0.172508	0.863038	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	TTS (NM_2	TTS (NM_2	1996	NM_207047	2029	Hs.632456	NM_004436	ENSG00000	ENSA	ARPP-19e	endosulfi	protein-coding
chr1-4270	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr1	42706353	42707451	+	0	NA	Intergeni	AluSx1|SI	23766	NR_132737	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bir	protein-coding
chr1-1093	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSq2|SI	40060	NM_001205	6272	Hs.485195	NM_002959	ENSG00000	SORT1	Gp95|LDLC	sortilin	protein-coding
chr10-466	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr10	466262	468593	+	0	NA	intron (N	L1PA2|LIN	-161137	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG00000	LOC101930	-	uncharact	ncRNA
chr17-166	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr17	16643443	16646141	+	0	NA	intron (N	LTR65|LTR	9058	NM_020787	57547	Hs.128078	NM_020787	ENSG00000	ZNF624	-	zinc fing	protein-coding
chr17-463	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr17	46356677	46357331	+	0	NA	intron (N	AluSz|SIN	4783	NM_001363	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr19-493	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr19	49357300	49357748	+	0	NA	intron (N	intron (N	3993	NM_001256	8463	Hs.515534	NM_003598	ENSG00000	TEAD2	ETF|TEAD-	TEA domai	protein-coding
chr21-327	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr21	32767436	32768203	+	0	NA	intron (N	THE1A|LTR	3936	NM_013329	94104	Hs.644004	NM_013329	ENSG00000	PAXBP1	BM020|C21	PAX3 and	protein-coding
chr21-392	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr21	39219113	39221038	+	0	NA	intron (N	MIRb|SINE	-36561	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-3312	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr3	33121380	33123343	+	0	NA	intron (N	intron (N	8403	NM_006371	10491	Hs.517888	NM_006371	ENSG00000	CRTAP	CASP|LEPR	cartilage	protein-coding
chr3-1238	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	64477	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-1229	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	HERVL32-i	30237	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr4-1766	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr4	1.77E+08	1.77E+08	+	0	NA	intron (N	L1PA3|LIN	95792	NM_005429	7424	Hs.435215	NM_005429	ENSG00000	VEGFC	Flt4-L|LM	vascular	protein-coding
chr7-2996	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr7	29966588	29967626	+	0	NA	intron (N	intron (N	22694	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr7-9310	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr7	93109642	93110766	+	0	NA	intron (N	L1PA5|LIN	7775	NM_017654	54809	Hs.65641	NM_017654	ENSG00000	SAMD9	C7orf5|DR	sterile a	protein-coding
chr8-9748	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr8	9748161	9752805	+	0	NA	intron (N	MLT1H-int	8811	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr8-2534	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr8	25347010	25347785	+	0	NA	intron (N	intron (N	1995	NR_106936	1.02E+08		NR_106936	ENSG00000	MIR6876	hsa-mir-6	microRNA	ncRNA
chr8-3050	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr8	30509947	30511176	+	0	NA	intron (N	intron (N	-125160	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr8-9002	5.68293	0.165581	0.960008	0.172478	0.863061	0.981636	chr8	90022011	90024171	+	0	NA	intron (N	intron (N	21614	NM_001359	1666	Hs.492212	NM_001359	ENSG00000	DECR1	DECR|NADP	2,4-dienc	protein-coding
chr1-1102	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr1	11026144	11027503	+	0	NA	3’ UTR (N	3’ UTR (N	14201	NM_007375	23435	Hs.300624	NM_007375	ENSG00000	TARDBP	ALS10|TDP	TAR DNA b	protein-coding
chr1-5279	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr1	52796027	52796631	+	0	NA	exon (NM_	exon (NM_	-46431	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr1-2020	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3346	NR_106798	1.02E+08		NR_106798	ENSG00000	MIR6740	hsa-mir-6	microRNA	ncRNA
chr11-951	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr11	9513330	9514305	+	0	NA	intron (N	AluSz|SIN	52805	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-119	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr11	11925308	11925742	+	0	NA	intron (N	L1MCa|LIN	83114	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-478	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr11	47819100	47820019	+	0	NA	intron (N	intron (N	28791	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr12-567	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr12	56715843	56716433	+	0	NA	exon (NM_	exon (NM_	9161	NM_005594	4666	Hs.505735	NM_005594	ENSG00000	NACA	HSD48|NAC	nascent p	protein-coding
chr12-105	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	L1MEg|LIN	26507	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr14-582	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr14	58212975	58213863	+	0	NA	intron (N	intron (N	13270	NM_018477	55860	Hs.509451	NM_018477	ENSG00000	ACTR10	ACTR11|Ar	actin rel	protein-coding
chr15-253	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr15	25347501	25348355	+	0	NA	intron (N	L1ME2|LIN	69585	NR_001289	338429		NR_001289	ENSG00000	SNORD109B	HBII-438B	small nuc	snoRNA
chr17-294	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr17	29403694	29405297	+	0	NA	intron (N	intron (N	13570	NM_025142	57551	Hs.597434	NM_020791	ENSG00000	TAOK1	KFC-B|MAP	TAO kinas	protein-coding
chr17-454	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr17	45458217	45458626	+	0	NA	exon (NM_	exon (NM_	17014	NR_036271	1E+08		NR_036271	ENSG00000	MIR4315-2	-	microRNA	ncRNA
chr19-525	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr19	52562071	52564352	+	0	NA	Intergeni	Intergeni	-7062	NM_018260	55762	Hs.235167	NM_018260	ENSG00000	ZNF701	-	zinc fing	protein-coding
chr2-2407	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr2	24079188	24080025	+	0	NA	exon (NM_	exon (NM_	2773	NR_111929	375190	Hs.710370	NM_198553	ENSG00000	FAM228B	-	family wi	protein-coding
chr2-3318	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr2	33180771	33184267	+	0	NA	intron (N	AluY|SINE	47922	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr20-496	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr20	49645339	49647163	+	0	NA	intron (N	Tigger3|D	67627	NM_004776	9334	Hs.370487	NM_004776	ENSG00000	B4GALT5	B4Gal-T5|	beta-1,4-	protein-coding
chr22-385	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr22	38504090	38505140	+	0	NA	intron (N	intron (N	1696	NM_001098	10521	Hs.528305	NM_006386	ENSG00000	DDX17	P72|RH70	DEAD-box	protein-coding
chr3-3705	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr3	37051759	37053561	+	0	NA	TTS (NM_0	TTS (NM_0	59310	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-1960	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	3’ UTR (N	3’ UTR (N	30792	NM_001128	7037	Hs.529618	NM_003234	ENSG00000	TFRC	CD71|IMD4	transferr	protein-coding
chr6-1166	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	TTS (NM_0	TTS (NM_0	18214	NM_001010	345895	Hs.160380	NM_001010	ENSG00000	RSPH4A	CILD11|RS	radial sp	protein-coding
chr7-1213	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	Tigger3a|	18632	NM_014888	10447	Hs.434053	NM_014888	ENSG00000	FAM3C	GS3786|IL	family wi	protein-coding
chr7-1237	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr7	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	41616	NM_003941	8976	Hs.143728	NM_003941	ENSG00000	WASL	N-WASP|NW	WASP like	protein-coding
chr8-2305	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr8	23055622	23057594	+	0	NA	intron (N	AluSz|SIN	-11621	NR_038873	286059	Hs.306673	NR_038873	ENSG00000	LOC286059	-	TNF recep	pseudo
chr8-9630	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr8	96305164	96307134	+	0	NA	intron (N	intron (N	44247	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr8-9852	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr8	98524285	98525218	+	0	NA	intron (N	MLT1H|LTR	97793	NM_020697	3788	Hs.388045	NM_020697	ENSG00000	KCNS2	KV9.2	potassium	protein-coding
chr8-1327	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20006	NM_016018	51105	Hs.304362	NM_016018	ENSG00000	PHF20L1	CGI-72|TD	PHD finge	protein-coding
chr9-1907	6.931611	-0.15146	0.878592	-0.17239	0.86313	0.981636	chr9	19077394	19080034	+	0	NA	intron (N	AluSq2|SI	-14928	NR_003009	677776	Hs.689635	NR_003009	ENSG00000	SCARNA8	U92	small Caj	ncRNA
chr5-1415	7.155129	0.151498	0.879374	0.172279	0.863218	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	L1MC4|LIN	-11133	NR_038333	1.01E+08	Hs.655458	NR_038333	ENSG00000	LOC100505	-	uncharact	ncRNA
chr1-6224	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr1	6224229	6225537	+	0	NA	3’ UTR (N	3’ UTR (N	11081	NM_012405	23463	Hs.515688	NM_012405	ENSG00000	ICMT	HSTE14|MS	isoprenyl	protein-coding
chr1-7022	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr1	70222737	70224411	+	0	NA	intron (N	intron (N	2194	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-8392	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr1	83920418	83920855	+	0	NA	intron (N	intron (N	-59640	NR_119375	1.02E+08	Hs.621230	NR_119375	ENSG00000	LINC01725	-	long inte	ncRNA
chr1-2365	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	5483	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTP	HEAT repe	protein-coding
chr11-354	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr11	35460071	35461798	+	0	NA	intron (N	L1PA5|LIN	-40876	NM_001195	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr12-120	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluJb|SIN	-11246	NR_039719	1.01E+08		NR_039719	ENSG00000	MIR4498	mir-4498	microRNA	ncRNA
chr15-434	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr15	43440047	43440615	+	0	NA	intron (N	AluY|SINE	52825	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr19-515	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr19	51573837	51574773	+	0	NA	TTS (NR_1	TTS (NR_1	3022	NM_007147	7728	Hs.119014	NM_007147	ENSG00000	ZNF175	OTK18	zinc fing	protein-coding
chr2-8555	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr2	85556795	85559142	+	0	NA	TTS (NM_0	TTS (NM_0	3525	NM_001142	2677	Hs.77719	NM_000821	ENSG00000	GGCX	VKCFD1	gamma-glu	protein-coding
chr2-9597	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr2	95978982	95981128	+	0	NA	intron (N	MamGypLTR	11769	NM_001310	400986	Hs.646318	NM_001010	ENSG00000	ANKRD36C	-	ankyrin r	protein-coding
chr2-2013	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-18834	NM_139163	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr3-1542	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	31548	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr6-4265	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr6	42652568	42654602	+	0	NA	intron (N	MIRb|SINE	69012	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr9-1119	7.162987	0.149381	0.867308	0.172235	0.863253	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	14342	NM_003358	7357	Hs.304249	NM_003358	ENSG00000	UGCG	GCS|GLCT1	UDP-gluco	protein-coding
chr13-322	9.683367	0.129695	0.753189	0.172194	0.863285	0.981636	chr13	32252201	32253237	+	0	NA	intron (N	intron (N	59235	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr16-188	9.683367	0.129695	0.753189	0.172194	0.863285	0.981636	chr16	18857407	18859089	+	0	NA	exon (NM_	exon (NM_	-56699	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-346	6.436873	-0.1598	0.929046	-0.17201	0.863434	0.981636	chr16	3465706	3466029	+	0	NA	intron (N	L2b|LINE|	7822	NM_001317	79903	Hs.513296	NM_024845	ENSG00000	NAA60	HAT4|NAT1	N(alpha)-	protein-coding
chr16-681	6.436873	-0.1598	0.929046	-0.17201	0.863434	0.981636	chr16	68170000	68170199	+	0	NA	intron (N	L1ME4a|LI	63400	NR_106831	1.02E+08		NR_106831	ENSG00000	MIR6773	hsa-mir-6	microRNA	ncRNA
chr19-357	6.436873	-0.1598	0.929046	-0.17201	0.863434	0.981636	chr19	3576109	3576830	+	0	NA	intron (N	intron (N	3525	NM_006339	10362	Hs.406534	NM_006339	ENSG00000	HMG20B	BRAF25|BR	high mobi	protein-coding
chr1-2290	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr1	22906735	22907913	+	0	NA	intron (N	MIR3|SINE	-44098	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr1-2468	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	FLAM_C|SI	45360	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-285	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr10	28547642	28550070	+	0	NA	intron (N	MER3|DNA|	15738	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr11-925	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr11	9254887	9255696	+	0	NA	intron (N	L1MB8|LIN	10035	NR_145966	23258	Hs.501857	NM_015213	ENSG00000	DENND5A	EIEE49|RA	DENN doma	protein-coding
chr11-983	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr11	9838825	9840163	+	0	NA	intron (N	intron (N	352	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr12-577	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr12	57716487	57718763	+	0	NA	intron (N	AluSx1|SI	-8615	NR_027032	1E+08	Hs.656080	NR_027032	ENSG00000	AGAP2-AS1	PUNISHER	AGAP2 ant	ncRNA
chr14-230	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr14	23027540	23028956	+	0	NA	intron (N	AluJb|SIN	6652	NM_002797	5693	Hs.422990	NM_002797	ENSG00000	PSMB5	LMPX|MB1|	proteasom	protein-coding
chr16-305	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr16	30580486	30583125	+	0	NA	3’ UTR (N	3’ UTR (N	3892	NM_152458	146540	Hs.513509	NM_152458	ENSG00000	ZNF785	ZNF688	zinc fing	protein-coding
chr18-763	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr18	76357208	76358061	+	0	NA	TTS (NM_0	TTS (NM_0	-134018	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-175	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr19	17581572	17582646	+	0	NA	3’ UTR (N	3’ UTR (N	26460	NM_024656	79709	Hs.418795	NM_024656	ENSG00000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr19-344	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr19	34437363	34440669	+	0	NA	intron (N	AluSx1|SI	10635	NM_005499	10054	Hs.631580	NM_005499	ENSG00000	UBA2	ARX|HRIHF	ubiquitin	protein-coding
chr19-408	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr19	40806821	40809388	+	0	NA	TTS (NR_1	TTS (NR_1	2996	NR_144551	171523	Hs.656713	NR_144551	ENSG00000	CYP2T1P	CYP2T2P	cytochrom	pseudo
chr2-8646	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr2	86464295	86465096	+	0	NA	intron (N	intron (N	23234	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr20-385	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr20	38507090	38512596	+	0	NA	intron (N	intron (N	-6720	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR548O2	-	microRNA	ncRNA
chr3-1809	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	27470	NM_001190	131118	Hs.230601	NM_145261	ENSG00000	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr4-2541	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr4	25417845	25418946	+	0	NA	3’ UTR (N	3’ UTR (N	41132	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr5-6578	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr5	65786005	65787099	+	0	NA	intron (N	L2a|LINE|	64347	NM_020726	57486	Hs.247460	NM_020726	ENSG00000	NLN	AGTBP|EP2	neurolysi	protein-coding
chr6-3730	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr6	3730668	3731946	+	0	NA	intron (N	intron (N	20705	NM_183373	221749	Hs.484500	NM_183373	ENSG00000	PXDC1	C6orf145	PX domain	protein-coding
chr8-2253	7.434207	-0.14576	0.847522	-0.17198	0.863453	0.981636	chr8	22536976	22538210	+	0	NA	intron (N	L1MB8|LIN	-14334	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin an	protein-coding
chr1-2855	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	28556688	28559497	+	0	NA	intron (N	AluSx3|SI	5007	NM_017846	54952	Hs.533626	NM_017846	ENSG00000	TRNAU1AP	PRO1902|S	tRNA sele	protein-coding
chr1-8888	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	88882360	88887148	+	0	NA	intron (N	Cheshire|	6813	NM_001514	2959	Hs.481852	NM_001514	ENSG00000	GTF2B	TF2B|TFII	general t	protein-coding
chr1-1035	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	10894	NM_017619	55599	Hs.632423	NM_017619	ENSG00000	RNPC3	IGHD5|RBM	RNA bindi	protein-coding
chr1-1099	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18673	NM_172212	1435	Hs.173894	NM_000757	ENSG00000	CSF1	CSF-1|MCS	colony st	protein-coding
chr1-2402	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1PB1|LIN	168731	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr1-2431	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-53087	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr10-120	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr10	12033541	12035400	+	0	NA	intron (N	AluSx3|SI	8339	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr11-730	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr11	73077373	73079041	+	0	NA	intron (N	L1ME3|LIN	64111	NM_014824	9873	Hs.744959	NM_014824	ENSG00000	FCHSD2	NWK|NWK1|	FCH and d	protein-coding
chr13-244	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr13	24483784	24488888	+	0	NA	intron (N	intron (N	26442	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-950	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr13	95093466	95096232	+	0	NA	TTS (NM_0	TTS (NM_0	-115495	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-691	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr14	69117391	69118879	+	0	NA	intron (N	intron (N	34464	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCR	DDB1 and	protein-coding
chr14-100	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSp|SIN	2883	NR_003198	767582		NR_003198	ENSG00000	SNORD114-	14q(II-6)	small nuc	snoRNA
chr15-492	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr15	49201553	49203720	+	0	NA	intron (N	L1MA5|LIN	32389	NM_001289	2585	Hs.122006	NM_002044	ENSG00000	GALK2	GK2	galactoki	protein-coding
chr16-351	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr16	3511178	3513083	+	0	NA	intron (N	AluSp|SIN	2236	NM_024793	23059	Hs.155995	NM_015041	ENSG00000	CLUAP1	CFAP22|FA	clusterin	protein-coding
chr16-281	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr16	28114518	28118943	+	0	NA	intron (N	Tigger1|D	-53016	NM_001109	146395	Hs.91910	NM_144675	ENSG00000	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-846	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr16	84661484	84664121	+	0	NA	3’ UTR (N	3’ UTR (N	14291	NM_024731	79786	Hs.222731	NM_024731	ENSG00000	KLHL36	C16orf44	kelch lik	protein-coding
chr17-178	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr17	17874919	17876610	+	0	NA	intron (N	L3b|LINE|	-38753	NM_004176	6720	Hs.592123	NM_004176	ENSG00000	SREBF1	SREBP1|bH	sterol re	protein-coding
chr17-318	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr17	31882098	31887597	+	0	NA	intron (N	AluJb|SIN	16861	NM_018428	55813	Hs.589862	NM_018428	ENSG00000	UTP6	C17orf40|	UTP6 smal	protein-coding
chr17-784	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr17	78424400	78425403	+	0	NA	TTS (NM_0	TTS (NM_0	46252	NR_110601	9489	Hs.654671	NM_024419	ENSG00000	PGS1	-	phosphati	protein-coding
chr19-101	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr19	10143195	10145114	+	0	NA	intron (N	AluSg|SIN	-24255	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr20-367	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr20	36797704	36803689	+	0	NA	intron (N	L1ME3G|LI	-26933	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr20-499	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr20	49940592	49942937	+	0	NA	intron (N	intron (N	5367	NM_018683	55905	Hs.144949	NM_018683	ENSG00000	RNF114	PSORS12|Z	ring fing	protein-coding
chr21-316	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr21	31695824	31698929	+	0	NA	intron (N	intron (N	34742	NM_001145	57466	Hs.17255	NM_020706	ENSG00000	SCAF4	SFRS15|SF	SR-relate	protein-coding
chr3-6415	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr3	64156114	64161443	+	0	NA	intron (N	intron (N	-28766	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr3-1697	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	2349	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr3-1978	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	AluSx1|SI	75616	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-1545	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr4	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	10413	NM_002669	5356	Hs.249996	NM_002669	ENSG00000	PLRG1	Cwc1|PRL1	pleiotrop	protein-coding
chr5-1130	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	72302	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr7-3969	8.195452	0.138937	0.8087	0.171803	0.863592	0.981636	chr7	39695981	39698879	+	0	NA	intron (N	intron (N	-36138	NR_026999	349114	Hs.414183	NM_198284		LINC00265	NCRNA0026	long inte	ncRNA
chr1-3757	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr1	37571885	37574695	+	0	NA	intron (N	intron (N	16350	NM_003462	7802	Hs.406050	NM_003462	ENSG00000	DNALI1	P28|dJ423	dynein ax	protein-coding
chr1-8674	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr1	86744093	86744979	+	0	NA	3’ UTR (N	3’ UTR (N	39960	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr1-1847	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	28580	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr11-687	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr11	68783870	68785064	+	0	NA	intron (N	AluSz|SIN	-32947	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr16-311	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr16	31109773	31110727	+	0	NA	exon (NM_	exon (NM_	1864	NM_001122	10295	Hs.513520	NM_005881	ENSG00000	BCKDK	BCKDKD|BD	branched	protein-coding
chr6-1600	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	-40716	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr8-4232	8.707756	0.135502	0.789006	0.171738	0.863643	0.981636	chr8	42325591	42326709	+	0	NA	intron (N	intron (N	-12344	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding

chr1-1456	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr1	1.46E+08	1.46E+08	+		0	NA	intron (N	L1PA5|LIN	40527	NM_001371359								
chr1-1760	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr1	1.76E+08	1.76E+08	+		0	NA	intron (N	L1PA2|LIN	-39561	NR_00299	677679		NR_00299	ENSG0000	SCARNA3	HBI-100	small Ca	ncRNA
chr10-593	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr10	5938567	5939218	+		0	NA	Intergeni	Intergeni	30036	NM_001351	3601	Hs.445124	NM_00218	ENSG0000	IL15RA	CD215	interleuk	protein-coding
chr10-733	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr10	73372384	73373475	+		0	NA	Intergeni	(AAAACA)r	-14065	NM_001367	118491	Hs.591367	NM_14517	ENSG0000	CFAP70	TTC18	cilia anc	protein-coding
chr11-133	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr11	13357414	13358072	+		0	NA	intron (N	intron (N	80016	NM_001297	406	Hs.65734	NM_00117	ENSG0000	ARNTL	BMAL1|BMA	aryl hydr	protein-coding
chr12-507	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr12	50729809	50730726	+		0	NA	intron (N	intron (N	-33834	NM_005171	466	Hs.64856	NM_005171	ENSG0000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-120	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr12	1.21E+08	1.21E+08	+		0	NA	intron (N	ERV3-16A3	13304	NM_032314	84274	Hs.17250	NM_032314	ENSG0000	COQ5	-	coenzyme	protein-coding
chr16-146	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr16	14666076	14668029	+		0	NA	intron (N	AluJo|SIN	27521	NR_133651	8399	Hs.56736	NM_003561	ENSG0000	PLA2G10	GXPLA2|G	phospholi	protein-coding
chr16-235	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr16	23527713	23529866	+		0	NA	intron (N	AluJo|SIN	-18295	NM_015044	23062	Hs.46033	NM_015044	ENSG0000	GGA2	VEAR	golgi ass	protein-coding
chr17-788	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr17	788728	789675	+		0	NA	intron (N	intron (N	6848	NM_01814	55178	Hs.18272	NM_01814	ENSG0000	MRM3	RMTL1|RN	mitochonc	protein-coding
chr17-812	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr17	81264133	81266066	+		0	NA	intron (N	AluSx|SIN	25185	NR_14842	284184	Hs.35654	NM_00108	ENSG0000	NDUFAF8	C17orf89	NADH:ubic	protein-coding
chr2-1548	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr2	15481527	15482212	+		0	NA	intron (N	MER39|LTR	79465	NM_01590	51594	Hs.46775	NM_01590	ENSG0000	NBAS	ILFS2|NA	neuroblas	protein-coding
chr22-214	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr22	21483754	21484614	+		0	NA	intron (N	intron (N	17014	NM_001207	645426	Hs.376511	NM_001207	ENSG0000	TMEM191C	-	transmemb	protein-coding
chr3-1238	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr3	1.24E+08	1.24E+08	+		0	NA	intron (N	intron (N	49308	NM_05302	4638	Hs.47737	NM_00596	ENSG0000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr7-7762	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr7	77623571	77626787	+		0	NA	intron (N	intron (N	71086	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG0000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr8-2344	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr8	23446595	23447687	+		0	NA	intron (N	intron (N	10506	NM_004901	9583	Hs.44438	NM_004901	ENSG0000	ENTPD4	LALP70|L	ectonucle	protein-coding
chr8-1280	6.195234	0.158495	0.923023	0.171713	0.863663	0.981636	chr8	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	-7236	NR_031611	1E+08		NR_031611	ENSG0000	MIR1206	MIRN1206|	microRNA	ncRNA
chr2-9716	11.17914	0.121694	0.708878	0.171672	0.863696	0.981636	chr2	97169764	97170121	+		0	NA	intron (N	L1P3|LINE	56789	NM_001354	375248	Hs.541894	NM_19855	ENSG0000	ANKRD36	UNQ2430	ankyrin r	protein-coding
chr6-3327	5.72407	0.167917	0.978132	0.171671	0.863696	0.981636	chr6	33278906	33279329	+		0	NA	TTS (NM_	TTS (NM_	1994	NM_003782	8705	Hs.53437	NM_00378	ENSG0000	B3GALT4	BETA3GALT	beta-1,3-	protein-coding
chr1-6812	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr1	68124061	68124610	+		0	NA	intron (N	intron (N	59275	NR_031664	1E+08		NR_031664	ENSG0000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-7772	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr1	77727818	77730527	+		0	NA	intron (N	AluJr|SIN	30680	NM_20162	23032	Hs.480597	NM_015017	ENSG0000	USP33	VDU1	ubiquitir	protein-coding
chr1-1009	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr1	1.01E+08	1.01E+08	+		0	NA	intron (N	intron (N	5331	NM_001144	148867	Hs.53390	NM_13349	ENSG0000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr10-102	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr10	1.03E+08	1.03E+08	+		0	NA	intron (N	AluSp|SIN	8389	NM_030912	81603	Hs.33681	NM_03091	ENSG0000	TRIM8	GERP|RNF	tripartit	protein-coding
chr10-124	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr10	1.25E+08	1.25E+08	+		0	NA	intron (N	intron (N	29853	NM_032182	23172	Hs.28069	NM_03218	ENSG0000	ABRAXAS2	ABRO1|FA	abraxas 2	protein-coding
chr10-126	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr10	1.27E+08	1.27E+08	+		0	NA	intron (N	intron (N	80014	NM_00129	1793	Hs.15919	NM_00138	ENSG0000	DOCK1	DOCK180|	dedicator	protein-coding
chr11-433	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr11	43336134	43338999	+		0	NA	intron (N	intron (N	-21319	NM_001307	55761	Hs.19118	NM_01825	ENSG0000	TTC17	-	tetratric	protein-coding
chr12-510	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr12	51095723	51099084	+		0	NA	intron (N	AluSg7|SI	-13807	NM_03080	81566	Hs.52442	NM_03080	ENSG0000	CSRNP2	C12orf2|	cysteine	protein-coding
chr12-950	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr12	95062042	95063132	+		0	NA	exon (NM_	exon (NM_	11031	NM_003297	7181	Hs.108301	NM_003297	ENSG0000	NR2C1	TR2	nuclear r	protein-coding
chr12-111	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr12	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	8644	NM_00676	8315	Hs.53094	NM_00676	ENSG0000	BRAP	BRAP2|IM	BRCA1 ass	protein-coding
chr14-321	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr14	32149965	32152887	+		0	NA	intron (N	intron (N	-50619	NR_104084	1.02E+08		NR_104084	ENSG0000	RNU6-7	U6-7	RNA, U6 s	snRNA
chr14-350	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr14	35021034	35023847	+		0	NA	intron (N	AluSx4|SI	-22467	NM_00107	283635	Hs.446357	NM_173607	ENSG0000	FAM177A1	C14orf24	family wi	protein-coding
chr15-431	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr15	43189401	43194478	+		0	NA	intron (N	L1MC4|LIN	6536	NR_045998	23582	Hs.36794	NM_01214	ENSG0000	CCNDBP1	DIP1|GCIF	cyclin D1	protein-coding
chr15-754	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr15	75467304	75471884	+		0	NA	intron (N	intron (N	-13779	NM_00114	25942	Hs.51303	NM_015477	ENSG0000	SIN3A	WITKOS	SIN3 trar	protein-coding
chr16-317	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr16	31742220	31742419	+		0	NA	intron (N	L1PA8A|LI	29090	NM_00113	124411	Hs.52882	NM_001004	ENSG0000	ZNF720	-	zinc fing	protein-coding
chr16-668	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr16	66804188	66806639	+		0	NA	intron (N	L2c|LINE|	-3793	NM_00113	283847	Hs.37650	NM_17361	ENSG0000	TERB1	CCDC79	telomere	protein-coding
chr17-182	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr17	18277390	18278518	+		0	NA	exon (NM_	exon (NM_	16844	NM_14888	125170	Hs.65555	NM_13916	ENSG0000	MIEF2	MID49|SM	mitochonc	protein-coding
chr17-199	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr17	19934020	19936611	+		0	NA	intron (N	Tigger3b|	42513	NM_007202	11216	Hs.64267	NM_00720	ENSG0000	AKAP10	AKAP-10|	A-kinase	protein-coding
chr17-645	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr17	64515164	64518157	+		0	NA	intron (N	intron (N	9683	NR_133644	90799	Hs.56971	NM_13836	ENSG0000	CEP95	CCDC45	centrosom	protein-coding
chr19-572	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr19	57245944	57247684	+		0	NA	intron (N	intron (N	6182	NM_00102	390980	Hs.22488	NM_00102	ENSG0000	ZNF805	-	zinc fing	protein-coding
chr2-2403	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr2	24036900	24039136	+		0	NA	exon (NM_	exon (NM_	9373	NM_025203	80304	Hs.24624	NM_02520	ENSG0000	WDCP	C2orf44|	WD repeat	protein-coding
chr2-9938	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr2	99382244	99384142	+		0	NA	intron (N	Tigger1|	45804	NM_015904	9669	Hs.15868	NM_015904	ENSG0000	EIF5B	IF2	eukaryoti	protein-coding
chr2-2328	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr2	2.33E+08	2.33E+08	+		0	NA	intron (N	MER58A|DN	-33991	NM_001172	3769	Hs.46733	NM_00224	ENSG0000	KCNJ13	KIR1.4|K	potassium	protein-coding
chr2-2335	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr2	2.34E+08	2.34E+08	+		0	NA	intron (N	L1MA6|LIN	62078	NM_01821	55230	Hs.96513	NM_01821	ENSG0000	USP40	-	ubiquitir	protein-coding
chr20-184	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr20	18481099	18483227	+		0	NA	intron (N	AluSx1|SI	11548	NR_03616	1E+08		NR_03616	ENSG0000	MIR3192	mir-3192	microRNA	ncRNA
chr20-435	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr20	43595576	43597878	+		0	NA	intron (N	MIRb|SINE	5790	NM_001323	51098	Hs.44433	NM_016004	ENSG0000	IFT52	C20orf9|	intraflag	protein-coding
chr21-289	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr21	28934078	28936595	+		0	NA	intron (N	intron (N	-49963	NM_18274	29104	Hs.16384	NM_01324	ENSG0000	N6AMT1	C21orf127	N-6 adeni	protein-coding
chr22-201	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr22	20125032	20126080	+		0	NA	promoter-	promoter-	-846	NR_145765	1.1E+08		NR_14576	ENSG0000	SNORA77B	-	small nuc	snoRNA
chr3-3067	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	30674351	30679422	+		0	NA	intron (N	intron (N	70285	NM_003242	7048	Hs.82028	NM_00324	ENSG0000	TGFBR2	AAT3|FAA	transform	protein-coding
chr3-3341	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	33410864	33412882	+		0	NA	intron (N	intron (N	28505	NM_001128	7342	Hs.72912	NM_014517	ENSG0000	UBP1	LBP-1B|L	upstream	protein-coding
chr3-4896	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	48966959	48970634	+		0	NA	intron (N	Charlie15	-21112	NM_177938	54681	Hs.654944	NM_01773	ENSG0000	P4HTM	EGLN4|HI	prolyl 4-	protein-coding
chr3-1003	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	1E+08	1E+08	+		0	NA	intron (N	intron (N	6005	NM_020202	56954	Hs.43915	NM_02020	ENSG0000	NIT2	HEL-S-8a	nitrilase	protein-coding
chr3-1324	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	1.32E+08	1.32E+08	+		0	NA	intron (N	AluSx3|SI	56875	NM_00132	23317	Hs.12707	NM_01526	ENSG0000	DNAJC13	PARK21|R	DnaJ heat	protein-coding
chr3-1963	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr3	1.96E+08	1.96E+08	+		0	NA	3' UTR (N	3' UTR (N	-17093	NR_03795	1.01E+08	Hs.73318	NR_037950		TM4SF19-T	-	TM4SF19-T	ncRNA
chr4-3186	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr4	3186689	3190177	+		0	NA	intron (N	intron (N	-55936	NM_00133	345222	Hs.442291	NM_00101	ENSG0000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr4-9991	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr4	99916286	99918998	+		0	NA	intron (N	L1MD1|LIN	-23096	NR_02417	8649	Hs.43333	NM_02197	ENSG0000	LAMTOR3	MAP2K1IP1	late endc	protein-coding
chr4-1096	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr4	1.1E+08	1.1E+08	+		0	NA	intron (N	intron (N	10803	NM_00122	839	Hs.65461	NM_00122	ENSG0000	CASP6	MCH2	caspase 6	protein-coding
chr5-1042	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr5	10424397	10431153	+		0	NA	intron (N	intron (N	14076	NR_10274	1.01E+08	Hs.59939	NR_102746		ROPN1L-AS	-	ROPN1L ar	ncRNA
chr5-5304	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr5	53048093	53051452	+		0	NA	intron (N	intron (N	59985	NM_17680	4338	Hs.16364	NM_004531	ENSG0000	MOCS2	MCBPE|MO	molybdenu	protein-coding
chr5-1389	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr5	1.39E+08	1.39E+08	+		0	NA	intron (N	intron (N	56848	NM_001323	1495	Hs.445981	NM_00190	ENSG0000	CTNNA1	CAP102|M	catenin a	protein-coding
chr6-2482	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr6	24829985	24831465	+		0	NA	intron (N	(ATTTT)n|	-31808	NM_00128	1.02E+08	Hs.63513	NM_00128	ENSG0000	ARMH2	C6orf229	armadillc	protein-coding
chr6-2596	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr6	25964940	25970286	+		0	NA	intron (N	AluJr|SIN	4811	NM_00635	10475	Hs.584851	NM_00635	ENSG0000	TRIM38	RNF15|RO	tripartit	protein-coding
chr6-3652	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr6	36523532	36525435	+		0	NA	intron (N	intron (N	22996	NM_007271	11329	Hs.40957	NM_007271	ENSG0000	STK38	NDR|NDR1	serine/th	protein-coding
chr6-1523	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr6	1.52E+08	1.52E+08	+		0	NA	intron (N	intron (N	-22338	NR_120501	1.01E+08	Hs.57120	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr7-6500	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr7	65001263	65001707	+		0	NA	intron (N	intron (N	5202	NM_001007	2086	Hs.25069	NM_001007	ENSG0000	ERV3-1	ERV-R|ER	endogenou	protein-coding
chr7-9896	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr7	98960417	98962986	+		0	NA	intron (N	AluSp|SIN	-51464	NR_11010	1.02E+08	Hs.63666	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1494	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr7	1.49E+08	1.49E+08	+		0	NA	intron (N	L1ME3D|LI	12202	NM_00116	155061	Hs.24643	NM_152557	ENSG0000	ZNF746	PARIS	zinc fing	protein-coding
chr8-8643	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr8	86431706	86432104	+		0	NA	intron (N	intron (N	76781	NM_01603	51115	Hs.14538	NM_01603	ENSG0000	RMDN1	CGI-90|F	regulator	protein-coding
chr8-9448	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr8	94489644	94492701	+		0	NA	intron (N	AluSz|SIN	-16057	NM_001205	25788	Hs.30561	NM_00655	ENSG0000	RAD54B	RDH54	RAD54 hom	protein-coding
chr9-3742	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr9	37425416	37427631	+		0	NA	intron (N	intron (N	3827	NM_01220	9380	Hs.15574	NM_01220	ENSG0000	GRHPR	GLXR|GLY	glyoxylat	protein-coding
chr9-1104	7.683148	0.142855	0.832208	0.171658	0.863706	0.981636	chr9	1.1E+08	1.1E+08	+		0	NA	intron (N	MIRb|SINE	-65935	NM_00128	255220	Hs.147064	NM_00100	ENSG0000	TXNDC8	SPTRX-3|	thioredox	protein-coding
chr1-2281	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr1	2281917	2282445	+		0	NA	intron (N	CpG	53862	NM_00303	6497	Hs.656507	NM_00303	ENSG0000	SKI	SGS|SKV	SKI protc	protein-coding
chr1-6654	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr1	66543657	66544947	+		0	NA	intron (N	MER117|DN	10149	NM_032291	84251	Hs.132121	NM_032291	ENSG0000	SGIP1	-	SH3 domai	protein-coding
chr1-1139	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr1	1.14E+08	1.14E+08	+		0	NA	intron (N	intron (N	9698	NM_181358	204851	Hs.53236	NM_15269	ENSG0000	HIPK1	Myak|Nbak	homeodoma	protein-coding
chr11-981	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr11	981531	983516	+		0	NA	intron (N	L1ME3B|LI	54195	NM_005961	4588	Hs.528432	NM_005961	ENSG0000	MUC6	MUC-6	mucin 6,	protein-coding
chr14-673	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr14	67303918	67304408	+		0	NA	intron (N	intron (N	55641	NM_015994	51382	Hs.27263	NM_015994	ENSG0000	ATP6V1D	ATP6M|VA	ATPase H+	protein-coding
chr19-847	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr19	8476678	8477461	+		0	NA	intron (N	intron (N	25571	NM_032152	84106	Hs.465812	NM_03215	ENSG0000	PRAM1	PML-RAR|	PML-RARA	protein-coding
chr19-343	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr19	34373764	34375920	+		0	NA	intron (N	AluJr|SIN	9646	NM_00132	2821	Hs.466471	NM_00017	ENSG0000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr19-498	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr19	49863095	49864379	+		0	NA	exon (NM_	exon (NM_	3839	NM_007254	11284	Hs.78016	NM_00725	ENSG0000	PNKP	AOA4|EIE	polynucle	protein-coding
chr2-3247	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr2	32470737	32474013	+		0	NA	intron (N	intron (N	-59778	NR_03028	693143		NR_03028	ENSG0000	MIR558	MIRN558|	microRNA	ncRNA
chr2-6387	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr2	63873518	63873964	+		0	NA	intron (N	L2b|LINE|	31861	NM_00675	7360	Hs.516217	NM_00675	ENSG0000	UGP2	UDPG|UDP	UDP-gluc	protein-coding
chr21-466	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr21	46641478	46641781	+		0	NA	intron (N	AluSz|SIN	5955	NM_206962	3275	Hs.15416	NM_00153	ENSG0000	PRMT2	HRMT1L1	protein a	protein-coding
chr22-312	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr22	31262093	31262675	+		0	NA	intron (N	intron (N	14000	NM_01673	3985	Hs.47459	NM_00556	ENSG0000	LIMK2	-	LIM domai	protein-coding
chr4-5703	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr4	57037601	57039548	+		0	NA	intron (N	intron (N	59678	NM_00093	5431	Hs.602757	NM_00093	ENSG0000	POLR2B	POL2RB|R	RNA polyn	protein-coding
chr5-9355	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr5	93551944	93553883	+		0	NA	intron (N	intron (N	18430	NR_10982	441094	Hs.457407	NR_01536	ENSG0000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr7-6624	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr7	66240087	66242029	+		0	NA	exon (NM_	exon (NM_	35724	NM_00359	8460	Hs.42119	NM_00359	ENSG0000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr8-4127	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chr8	41273315	41274167	+		0	NA	intron (N	MLT2B3|LT	-2598	NR_049801	1.01E+08		NR_049801	ENSG0000	MIR548AO	-	microRNA	ncRNA
chrX-3821	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chrX	3821829	3823857	+		0	NA	intron (N	intron (N	21051	NR_034031	389906	Hs.63619	NM_001045547		LOC38990	-	zinc fing	pseudo
chrX-1539	7.887806	-0.14147	0.824857	-0.17151	0.863827	0.981636	chrX	1.54E+08	1.54E+08	+		0	NA	intron (N	intron (N	2994	NM_00125	8260	Hs.433291	NM_003491	ENSG0000	NAA10	ARD1|ARD1	N(alpha)-	protein-coding
chr1-3937	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr1	39376130	39376635	+		0	NA	intron (N	intron (N	-32691	NM_01503	643314	Hs.65876	NM_01503	ENSG0000	KIAA0754	-	KIAA0754	protein-coding
chr10-177	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr10	17705134	17705682	+		0	NA	intron (N	intron (N	-46793	NM_00109	653567	Hs.56413	NM_00101	ENSG0000	TMEM236	FAM23A|F	transmemb	protein-coding
chr13-950	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr13	95096907	95098211	+		0	NA	intron (N	L1ME2|LIN	-112785	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr18-232	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr18	23201706	23202765	+		0	NA	intron (N	intron (N	46410	NM_13837	91768	Hs.11108	NM_13837	ENSG0000	CABLES1	CABL1|CA	Cdk5 and	protein-coding
chr22-388	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr22	38868247	38868516	+		0	NA	intron (N	intron (N	3835	NM_001303	23466	Hs.592201	NM_01429	ENSG0000	CBX6	-	chromobox	protein-coding
chr3-4974	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr3	49747582	49748006	+		0	NA	intron (N	intron (N	-23820	NM_013334	29925	Hs.56748	NM_013334	ENSG0000	GMPPB	LGMDR19|	GDP-mannc	protein-coding
chr3-1324	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr3	1.32E+08	1.32E+08	+		0	NA	intron (N	L2c|LINE|	71650	NM_00132	23317	Hs.12707	NM_01526	ENSG0000	DNAJC13	PARK21|R	DnaJ heat	protein-coding
chr3-1495	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr3	1.5E+08	1.5E+08	+		0	NA	intron (N	intron (N	49235	NM_004617	7104	Hs.133527	NM_004617	ENSG0000	TM4SF4	ILTMP|il-	transmemb	protein-coding
chr3-1976	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr3	1.98E+08	1.98E+08	+		0	NA	Intergeni	Intergeni	19940	NR_00326	220729	Hs.478854	NR_00326	ENSG0000	LOC22072	-	succinate	pseudo
chr7-1487	7.38521	-0.14649	0.854773	-0.17138	0.863925	0.981636	chr7	1.49E+08	1.49E+08	+		0	NA	intron (N	intron (N	67855	NM_00137	8454	Hs.14680	NM_00359	ENSG0000	CUL1	-	cullin 1	protein-coding
chr20-283	187.7814	0.046239	0.269887	0.171326	0.863967	0.981636	chr20	28308035	28308235	+		0	NA	Intergeni	ALR/Alpha	294530	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr11-747	9.171063	0.132448	0.773119	0.171317	0.863975	0.981636	chr11	74797758	74798174	+		0	NA	intron (N	MER11C|LT	49117	NM_00109	254225	Hs.37014	NM_00109	ENSG0000	RNF169	-	ring fing	protein-coding
chr13-951	9.171063	0.132448	0.773119	0.171317	0.863975	0.981636	chr13	95145534	95146159	+		0	NA	intron (N	L1PA15|LI	-64498	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr2-5555	9.171063	0.132448	0.773119	0.171317	0.863975	0.981636	chr2	55558433	55558829	+		0	NA	intron (N	(AAAAT)n|	39036	NM_080667	112942	Hs.26420	NM_080667	ENSG0000	CFAP36	BARTL1|C	cilia anc	protein-coding
chr3-1278	9.171063	0.132448	0.773119	0.171317	0.863975	0.981636	chr3	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	10665	NM_00728	11343	Hs.27703	NM_00728	ENSG0000	MGLL	HU-K5|HU	monoglyce	protein-coding
chr2-8537	7.147271	0.15374	0.897649	0.171269	0.864012	0.981636	chr2	85373459	85373666	+		0	NA	intron (N	AluSg|SIN	18793	NM_00113	84173	Hs.26999	NM_03221	ENSG0000	ELMOD3	DFNB88|L	ELMO doma	protein-coding
chr1-2310	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr1	23106985	23109158	+		0	NA	intron (N	intron (N	60785	NM_033631	7798	Hs.25790	NM_033631	ENSG0000	LUZP1	LUZP	leucine z	protein-coding
chr1-4500	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr1	45002687	45005090	+		0	NA	exon (NM_	exon (NM_	7436	NM_02460	79654	Hs.525084	NM_02460	ENSG0000	HECTD3	-	HECT doma	protein-coding
chr1-1481	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr1	1.48E+08	1.48E+08	+		0	NA	intron (N	MIRc|SINE	16854	NM_001101	200030	Hs.72158	NM_18337	ENSG0000	NBPF11	NBPF24	NBPF memb	protein-coding
chr1-2294	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr1	2.29E+08	2.29E+08	+		0	NA	intron (N	intron (N	21280	NM_01823	55746	Hs.12457	NM_01823	ENSG0000	NUP133	GAMOS8|N	nucleopor	protein-coding
chr10-100	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr10	1E+08	1E+08	+		0	NA	intron (N	L1MB7|LIN	-14156	NR_002954	677800	Hs.66216	NR_002954	ENSG0000	SNORA12	U108	small nuc	snoRNA
chr10-124	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr10	1.25E+08	1.25E+08	+		0	NA	exon (NM_	exon (NM_	11506	NM_001363	1488	Hs.50134	NM_00132	ENSG0000	CTBP2	-	C-termina	protein-coding
chr11-764	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr11	76447314	76449400	+		0	NA	intron (N	intron (N	3332	NM_02019	56946	Hs.35258	NM_02019	ENSG0000	EMSY	C11orf30|	EMSY trar	protein-coding
chr11-103	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr11	1.03E+08	1.03E+08	+		0	NA	intron (N	L1MC3|LIN	64781	NM_001377	79659	Hs.503721	NM_001377	ENSG0000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr11-112	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr11	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	13358	NM_001931	1737	Hs.335551	NM_001931	ENSG0000	DLAT	DLTA|E2|	dihydroli	protein-coding
chr12-535	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr12	53549557	53551396	+		0	NA	intron (N	intron (N	36492	NR_046221	1.01E+08	Hs.63360	NR_046221	ENSG0000	LOC100652	-	uncharact	ncRNA
chr12-123	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr12	1.23E+08	1.23E+08	+		0	NA	intron (N	intron (N	28640	NR_10703	1.02E+08		NR_10703	ENSG0000	MIR8072	hsa-mir-8	microRNA	ncRNA
chr13-418	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr13	41881904	41884206	+		0	NA	intron (N	L1MC4|LIN	78030	NM_00100	23078	Hs.36828	NM_01505	ENSG0000	VWA8	KIAA0564|	von Wille	protein-coding
chr15-762	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr15	76220234	76220962	+		0	NA	intron (N	L1MB7|LIN	-39112	NR_12036	1.02E+08	Hs.631721	NR_12036	ENSG0000	LOC10192	-	uncharact	ncRNA
chr15-831	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr15	83156320	83158152	+		0	NA	intron (N	intron (N	49591	NM_001353	53346	Hs.513094	NM_02300	ENSG0000	TM6SF1	-	transmemb	protein-coding
chr16-205	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr16	2050491	2051994	+		0	NA	intron (N	AluSg|SIN	3040	NM_001318	7249	Hs.90303	NM_00054	ENSG0000	TSC2	LAM|PPP1	TSC compl	protein-coding
chr16-474	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr16	47451081	47452699	+		0	NA	intron (N	MLT1I|LTR	9173	NM_03079	81533	Hs.42217	NM_03079	ENSG0000	ITFG1	2310047C	integrin	protein-coding
chr17-539	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr17	5395179	5396864	+		0	NA	intron (N	AluSq2|SI	-23620	NM_00116	84268	Hs.46208	NM_03230	ENSG0000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-387	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr17	38770092	38770654	+		0	NA	intron (N	intron (N	17632	NR_104194	5691	Hs.82793	NM_00279	ENSG0000	PSMB3	HC10-II	proteasom	protein-coding
chr17-580	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr17	58087255	58090364	+		0	NA	intron (N	intron (N	5390	NM_080677	140735	Hs.72059	NM_080677	ENSG0000	DYNLL2	DNCL1B|D	dynein li	protein-coding

chr18-137	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr18	13752614	13754840	+	0	NA	intron (N	AluYm1|SI	27054	NM_001308	8731	Hs.592347	NM_003799	ENSG00000	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr18-234	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr18	23455203	23456926	+	0	NA	intron (N	AluSc|SIN	2777	NR_145477	8780	Hs.445511	NM_003831	ENSG00000	RIOK3	SUDD	RIO kinas	protein-coding
chr19-116	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr19	11603899	11604769	+	0	NA	5’ UTR (N	5’ UTR (N	6851	NM_145295	199692	Hs.526665	NM_145295	ENSG00000	ZNF627	-	zinc fing	protein-coding
chr2-2349	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSc8|SI	6943	NM_001371305								
chr22-205	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr22	20566766	20568632	+	0	NA	intron (N	intron (N	59652	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-4256	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr3	42560820	42561200	+	0	NA	intron (N	intron (N	-20830	NM_016305	51188	Hs.534454	NM_016305	ENSG00000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr3-1207	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MD2|LIN	-20671	NM_000187	3081	Hs.368254	NM_000187	ENSG00000	HGD	AKU|HGO	homogenti	protein-coding
chr3-1605	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	TTS (NR_C	TTS (NR_C	989	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Ca	ncRNA
chr3-1856	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	HAL1ME|LI	-48808	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr5-1296	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-124844	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr6-1497	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-12334	NM_001270	9113	Hs.549084	NM_004690	ENSG00000	LATS1	WARTS|wts	large tum	protein-coding
chr7-4404	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr7	44046815	44047473	+	0	NA	intron (N	intron (N	2442	NM_001122	28988	Hs.436500	NM_014063	ENSG00000	DBNL	ABP1|HIP-	drebrin l	protein-coding
chr7-7632	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr7	76325811	76326326	+	0	NA	TTS (NM_C	TTS (NM_C	23395	NM_001540	3315	Hs.520973	NM_001540	ENSG00000	HSPB1	CMT2F|HEL	heat shoc	protein-coding
chr8-6721	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr8	67215580	67218048	+	0	NA	intron (N	intron (N	126967	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-8654	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr8	86540038	86540237	+	0	NA	intron (N	intron (N	25702	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr8-1434	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	31030	NR_145785	1.1E+08		NR_145785		SNORD149	-	small nuc	snoRNA
chr9-1365	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	CpG-29118	17099	NR_039820	1.01E+08		NR_039820	ENSG00000	MIR4673	-	microRNA	ncRNA
chrX-4797	7.170845	0.147342	0.860453	0.171238	0.864037	0.981636	chrX	47977161	47986561	+	0	NA	intron (N	AluSc8|SI	22128	NM_006962	7569	Hs.189690	NM_006962	ENSG00000	ZNF182	HHZ150|KC	zinc fing	protein-coding
chr14-697	13.12703	-0.11184	0.653312	-0.17119	0.864074	0.981636	chr14	69767939	69776448	+	0	NA	TTS (NM_C	TTS (NM_C	-4480	NR_029378	1E+08	Hs.729250	NR_029378		LOC100289	-	uncharact	ncRNA
chr4-3868	13.12703	-0.11184	0.653312	-0.17119	0.864074	0.981636	chr4	38688203	38691581	+	0	NA	intron (N	intron (N	-25264	NR_026804	79667	Hs.29725	NM_024614	ENSG00000	KLF3-AS1	-	KLF3 anti	ncRNA
chr20-463	9.732364	0.129814	0.758492	0.171147	0.864108	0.981636	chr20	46375070	46375486	+	0	NA	exon (NM_	exon (NM_	-10820	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA39402.1	solute ca	protein-coding
chr1-1116	6.890471	-0.15408	0.900504	-0.1711	0.864145	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	L2c|LINE|	27399	NM_001370	5906	Hs.190334	NM_002884	ENSG00000	RAP1A	C21KG|G-2	RAP1A, me	protein-coding
chr11-613	10.20353	0.125783	0.735168	0.171094	0.86415	0.981636	chr11	61364405	61365609	+	0	NA	intron (N	AluSx|SIN	2633	NM_016464	51524	Hs.406530	NM_016464	ENSG00000	TMEM138	HSPC196	transmemb	protein-coding
chr15-410	12.18655	-0.11706	0.684713	-0.17096	0.864256	0.981636	chr15	41093575	41093791	+	0	NA	intron (N	AluJb|SIN	22563	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr3-1959	11.16379	-0.12608	0.737546	-0.17094	0.864268	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJb|SIN	30088	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr11-777	6.478012	-0.15696	0.918594	-0.17087	0.864326	0.981636	chr11	77701641	77702460	+	0	NA	exon (NM_	exon (NM_	-64244	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr7-7716	6.478012	-0.15696	0.918594	-0.17087	0.864326	0.981636	chr7	77160797	77161212	+	0	NA	intron (N	L1PA3|LIN	38389	NM_020879	57639	Hs.113940	NM_020879	ENSG00000	CCDC146	-	coiled-co	protein-coding
chr1-1625	6.650683	0.154691	0.905354	0.170862	0.864332	0.981636	chr1	16252465	16253074	+	0	NA	intron (N	intron (N	-15586	NM_030907	79363	Hs.546430	NM_030907	ENSG00000	CPLANE2	C1orf89|F	ciliogene	protein-coding
chr10-272	6.650683	0.154691	0.905354	0.170862	0.864332	0.981636	chr10	27218489	27219275	+	0	NA	intron (N	AluSx1|SI	21604	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr12-896	6.650683	0.154691	0.905354	0.170862	0.864332	0.981636	chr12	89623876	89624789	+	0	NA	exon (NM_	exon (NM_	84506	NM_001366	490	Hs.506276	NM_001682	ENSG00000	ATP2B1	PMCA1|PMC	ATPase pl	protein-coding
chr1-6699	9.691225	0.12815	0.750488	0.170756	0.864416	0.981636	chr1	66998457	66999062	+	0	NA	TTS (NM_C	TTS (NM_C	55389	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr12-907	9.691225	0.12815	0.750488	0.170756	0.864416	0.981636	chr12	907310	908569	+	0	NA	exon (NM_	exon (NM_	25137	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr13-413	9.691225	0.12815	0.750488	0.170756	0.864416	0.981636	chr13	41367529	41370749	+	0	NA	exon (NM_	exon (NM_	-57101	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochond	protein-coding
chr14-309	9.691225	0.12815	0.750488	0.170756	0.864416	0.981636	chr14	30945098	30948293	+	0	NA	intron (N	intron (N	-56887	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr8-9392	9.691225	0.12815	0.750488	0.170756	0.864416	0.981636	chr8	93922084	93923699	+	0	NA	exon (NM_	exon (NM_	5944	NM_001161	54704	Hs.22265	NM_018444	ENSG00000	PDP1	PDH|PDP|F	pyruvate	protein-coding
chr10-120	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	51815	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr14-313	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr14	31305175	31305751	+	0	NA	intron (N	AluSz|SIN	-97670	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr19-496	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr19	49610047	49610472	+	0	NA	intron (N	AluSq10|S	19077	NM_020719	57479	Hs.590971	NM_020719	ENSG00000	PRR12	KIAA1205	proline r	protein-coding
chr2-1482	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA5|LIN	-218611	NM_181742	5000	Hs.558364	NM_002552	ENSG00000	ORC4	ORC4L|ORC	origin re	protein-coding
chr3-5759	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr3	57593770	57594277	+	0	NA	intron (N	AluSq2|SI	3321	NM_001660	378	Hs.652183	NM_001660	ENSG00000	ARF4	ARF2	ADP ribos	protein-coding
chr9-8161	6.707538	0.152487	0.893027	0.170753	0.864418	0.981636	chr9	81611300	81612176	+	0	NA	intron (N	intron (N	77797	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr9-9207	7.465639	-0.15354	0.899348	-0.17072	0.864445	0.981636	chr9	92079809	92080828	+	0	NA	intron (N	intron (N	35095	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr10-102	10.66684	0.123663	0.724906	0.170592	0.864545	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	27185	NM_000102	1586	Hs.438016	NM_000102	ENSG00000	CYP17A1	CPT7|CYP1	cytochrom	protein-coding
chr15-492	10.66684	0.123663	0.724906	0.170592	0.864545	0.981636	chr15	49260092	49260337	+	0	NA	intron (N	L1PA3|LIN	89967	NM_001289	2585	Hs.122006	NM_002044	ENSG00000	GALK2	GK2	galactoki	protein-coding
chr1-1000	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	24057	NM_033055	64645	Hs.124156	NM_033055	ENSG00000	MFSD14A	HIAT1	major fac	protein-coding
chr1-2294	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	AluJb|SIN	34682	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr10-101	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq2|SI	54749	NM_003939	8945	Hs.643802	NM_003939	ENSG00000	BTRC	BETA-TRCP	beta-tran	protein-coding
chr11-100	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr11	10044805	10045684	+	0	NA	intron (N	AluSx1|SI	206102	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-685	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr11	68564411	68565510	+	0	NA	intron (N	intron (N	104208	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-106	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	L2c|LINE|	3124	NM_001033	80298	Hs.5009	NM_025198	ENSG00000	MTERF2	MTERFD3|m	mitochond	protein-coding
chr18-253	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr18	25320231	25322015	+	0	NA	intron (N	intron (N	31043	NM_001308	25925	Hs.116935	NM_015461	ENSG00000	ZNF521	EHZF|Evi3	zinc fing	protein-coding
chr6-1097	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	MIRb|SINE	95720	NM_014845	9896	Hs.529959	NM_014845	ENSG00000	FIG4	ALS11|BTC	FIG4 phos	protein-coding
chr6-1582	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	Intergeni	MER11A|LT	-15364	NM_020245	56995	Hs.486993	NM_020245	ENSG00000	TULP4	TUSP	TUB like	protein-coding
chr8-2873	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr8	28731900	28733134	+	0	NA	intron (N	L1MB7|LIN	31016	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr8-1023	6.658541	0.152505	0.894734	0.170447	0.864659	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJb|SIN	58805	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|F	ubiquitin	protein-coding
chr1-1990	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr1	19906487	19911566	+	0	NA	3’ UTR (N	3’ UTR (N	14591	NM_014589	30814	Hs.272372	NM_014589	ENSG00000	PLA2G2E	GIIE sPLA	phospholi	protein-coding
chr1-3169	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr1	31694057	31700779	+	0	NA	intron (N	L2c|LINE|	6599	NM_001856	1307	Hs.368921	NM_001856	ENSG00000	COL16A1	447AA|FP1	collagen	protein-coding
chr1-5294	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr1	52948640	52949976	+	0	NA	intron (N	intron (N	22032	NM_001193	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr1-1117	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSq2|SI	7411	NM_007204	11218	Hs.591405	NM_007204	ENSG00000	DDX20	DP103|GEM	DEAD-box	protein-coding
chr11-374	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr11	3741608	3746710	+	0	NA	intron (N	intron (N	53387	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-105	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr11	10524285	10526366	+	0	NA	exon (NM_	exon (NM_	15862	NM_016422	50862	Hs.44685	NM_016422	ENSG00000	RNF141	RFP141|ZF	ring fing	protein-coding
chr11-609	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr11	60901631	60903628	+	0	NA	exon (NM_	exon (NM_	3956	NM_014502	27339	Hs.502705	NM_014502	ENSG00000	PRPF19	NMP200|PF	pre-mRNA	protein-coding
chr12-466	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr12	4667235	4673147	+	0	NA	intron (N	intron (N	21077	NM_005002	4704	Hs.75227	NM_005002	ENSG00000	NDUFA9	CC6|CI-39	NADH:ubiq	protein-coding
chr12-110	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	TTS (NM_C	TTS (NM_C	28674	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr13-421	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr13	42194450	42196400	+	0	NA	intron (N	AluSx3|SI	57367	NM_001204	160851	Hs.630380	NM_152910	ENSG00000	DGKH	DGKeta	diacylgly	protein-coding
chr13-984	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr13	98463402	98463981	+	0	NA	exon (NM_	exon (NM_	58434	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr13-102	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	32506	NM_003291	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPP	tripeptid	protein-coding
chr14-241	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr14	24172225	24174766	+	0	NA	intron (N	intron (N	1415	NM_005132	9985	Hs.419259	NM_005132	ENSG00000	REC8	HR21spB|R	REC8 meic	protein-coding
chr15-740	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr15	74005168	74007721	+	0	NA	intron (N	MER34A1|L	11728	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr15-763	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr15	76339821	76342292	+	0	NA	intron (N	CpG-8458	4283	NM_145805	64843	Hs.444677	NM_145805	ENSG00000	ISL2	-	ISL LIM h	protein-coding
chr15-904	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr15	90439893	90445502	+	0	NA	intron (N	intron (N	54455	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr16-248	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr16	24820278	24826598	+	0	NA	exon (NM_	exon (NM_	-22425	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr17-199	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr17	19905276	19910224	+	0	NA	intron (N	L1MEc|LIN	-39814	NM_014683	9706	Hs.168762	NM_014683	ENSG00000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr17-295	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr17	29538511	29541864	+	0	NA	intron (N	intron (N	26850	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-319	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr17	31953369	31960621	+	0	NA	intron (N	AluSz|SIN	19988	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr17-419	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr17	41968110	41973933	+	0	NA	intron (N	intron (N	3224	NM_001330	1267	Hs.273621	NM_033133	ENSG00000	CNP	CNP1	2’,3’-cyc	protein-coding
chr17-448	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr17	44801711	44806115	+	0	NA	3’ UTR (N	3’ UTR (N	26374	NM_005497	10052	Hs.712052	NM_005497	ENSG00000	GJC1	CX45|GJA7	gap junct	protein-coding
chr18-260	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr18	26037877	26039465	+	0	NA	intron (N	intron (N	51942	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr18-419	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr18	41996993	41997719	+	0	NA	intron (N	intron (N	42122	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr19-126	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	12617705	12620948	+	0	NA	intron (N	intron (N	8406	NM_153358	163049	Hs.720677	NM_153358	ENSG00000	ZNF791	-	zinc fing	protein-coding
chr19-324	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	32408203	32412961	+	0	NA	intron (N	AluSz|SIN	4457	NM_207325	147991	Hs.194392	NM_207325	ENSG00000	DPY19L3	-	dpy-19 li	protein-coding
chr19-344	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	34441984	34447437	+	0	NA	intron (N	AluJr|SIN	16329	NM_005499	10054	Hs.631580	NM_005499	ENSG00000	UBA2	ARX|HRIHF	ubiquitin	protein-coding
chr19-413	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	41319104	41319379	+	0	NA	intron (N	intron (N	8764	NM_001346	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-co	protein-coding
chr19-484	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	48447548	48452315	+	0	NA	intron (N	L2a|LINE|	3948	NM_031485	83743	Hs.400625	NM_031485	ENSG00000	GRWD1	CDW4|GRWD	glutamate	protein-coding
chr19-491	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	49169421	49170390	+	0	NA	intron (N	L1MD|LINE	12113	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr19-527	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr19	52725229	52728738	+	0	NA	intron (N	AluSz|SIN	2899	NM_030972	81856	Hs.143951	NM_030972	ENSG00000	ZNF611	-	zinc fing	protein-coding
chr2-3975	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	39754071	39762265	+	0	NA	intron (N	intron (N	21090	NM_025264	80745	Hs.468254	NM_025264	ENSG00000	THUMPD2	C2orf8	THUMP dom	protein-coding
chr2-4695	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	46950494	46954258	+	0	NA	intron (N	A-rich|Lo	-10521	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-6525	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	65250512	65257972	+	0	NA	intron (N	intron (N	26547	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-6817	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	68174647	68176510	+	0	NA	non-codin	non-codin	17690	NM_020143	56902	Hs.262858	NM_020143	ENSG00000	PNO1	KHRBP1|RR	partner o	protein-coding
chr2-1710	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	MER1B|DNA	25234	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-2013	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	Intergeni	L1PA7|LIN	-12621	NM_139163	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr2-2022	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSz|SIN	30838	NM_001005	7341	Hs.81424	NM_003352	ENSG00000	SUMO1	DAP1|GMP1	small ubi	protein-coding
chr2-2327	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-8981	NR_103492	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr2-2411	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	9451	NM_002712	5510	Hs.36587	NM_002712	ENSG00000	PPP1R7	SDS22	protein p	protein-coding
chr20-524	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr20	524020	524495	+	0	NA	intron (N	AluSx|SIN	19533	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr20-500	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr20	50080636	50084665	+	0	NA	non-codin	non-codin	30500	NM_001257	7335	Hs.420529	NM_021988	ENSG00000	UBE2V1	CIR1|CROC	ubiquitin	protein-coding
chr21-363	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr21	36348379	36349962	+	0	NA	intron (N	AluSz|SIN	28973	NM_015358	23515	Hs.421150	NM_015358	ENSG00000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr21-414	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr21	41434701	41437067	+	0	NA	exon (NM_	exon (NM_	3834	NM_001282	4599	Hs.517307	NM_002462	ENSG00000	MX1	IFI-78K|I	MX dynami	protein-coding
chr3-3701	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	37011097	37013817	+	0	NA	intron (N	L2c|LINE|	19107	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-5811	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	58118231	58123169	+	0	NA	intron (N	intron (N	49935	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-6907	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	69074266	69076210	+	0	NA	intron (N	intron (N	5127	NM_198195	9039	Hs.154320	NM_003968	ENSG00000	UBA3	NAE2|UBE1	ubiquitin	protein-coding
chr3-1543	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	20995	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr3-1828	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	L1M4a1|LI	56463	NM_014616	23200	Hs.478429	NM_014616	ENSG00000	ATP11B	ATPIF|ATP	ATPase ph	protein-coding
chr3-1962	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluSx1|SI	20671	NM_001312	5130	Hs.135997	NM_005017	ENSG00000	PCYT1A	CCTA|CT|C	phosphate	protein-coding
chr3-1969	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-5316	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr4-2666	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	26660842	26662614	+	0	NA	intron (N	intron (N	77644	NM_018317	55296	Hs.479403	NM_018317	ENSG00000	TBC1D19	-	TBC1 doma	protein-coding
chr4-5191	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	51911998	51916383	+	0	NA	3’ UTR (N	3’ UTR (N	70611	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr4-8680	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	86807173	86812003	+	0	NA	intron (N	AluSz|SIN	39796	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-9841	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	98411805	98414168	+	0	NA	intron (N	MER11A|LT	151602	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr4-1186	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	11245	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr4-1390	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	20863	NM_001276	1998	Hs.634040	NM_006874	ENSG00000	ELF2	EU32|NERF	E74 like	protein-coding
chr5-3472	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr5	34727447	34729375	+	0	NA	intron (N	THE1B|LTR	40852	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-6939	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr5	69392418	69398559	+	0	NA	intron (N	AluJr4|SI	-19628	NM_001244	153562	Hs.657687	NM_144724	ENSG00000	MARVELD2	DFNB49|MA	MARVEL do	protein-coding
chr5-7387	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr5	73872947	73876592	+	0	NA	intron (N	L1PA3|LIN	61223	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr5-1729	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	TTS (NR_1	TTS (NR_1	801	NR_162113	1.13E+08		NR_162113		MIR10523	-	microRNA	ncRNA
chr6-1587	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-20536	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chr7-5622	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr7	5622417	5623899	+	0	NA	exon (NM_	exon (NM_	30342	NM_003088	6624	Hs.118400	NM_003088	ENSG00000	FSCN1	FAN1|HSN|	fascin ac	protein-coding
chr7-6156	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr7	6156777	6157894	+	0	NA	TTS (NM_C	TTS (NM_C	14802	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr7-9459	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr7	94597597	94598961	+	0	NA	intron (N	intron (N	57854	NM_001099	8910	Hs.371199	NM_003919	ENSG00000	SGCE	DYT11|ESG	sarcoglyc	protein-coding
chr7-1055	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSx|SIN	17908	NM_001355	1E+08	Hs.719432	NM_001355	ENSG00000	EFCAB10	-	EF-hand c	protein-coding
chr7-1277	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	69316	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr8-3349	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr8	33497585	33500348	+	0	NA	3’ UTR (N	3’ UTR (N	13784	NM_032509	84549	Hs.583805	NM_032509	ENSG00000	MAK16	MAK16L|RE	MAK16 hom	protein-coding

chr8-4787	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr8	47875938	47882148	+	0	NA	intron (N	intron (N	81093	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-1447	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	AluJr|SIN	6351	NM_138367	90987	Hs.534516	NM_138367	ENSG00000	ZNF251	-	zinc fing	protein-coding
chr9-3305	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr9	33053106	33059436	+	0	NA	intron (N	intron (N	20403	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr9-9823	7.426349	-0.14394	0.845477	-0.17024	0.864819	0.981636	chr9	98239131	98244347	+	0	NA	intron (N	intron (N	-12522	NR_106913	1.02E+08		NR_106913	ENSG00000	MIR6854	hsa-mir-6	microRNA	ncRNA
chr1-2402	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	180656	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr11-703	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr11	70372714	70374345	+	0	NA	intron (N	intron (N	-24977	NM_138565	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr15-503	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr15	50307891	50308227	+	0	NA	intron (N	L1ME3B|LI	-42333	NM_002112	3067	Hs.1481	NM_002112	ENSG00000	HDC	-	histidine	protein-coding
chr18-633	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr18	63333558	63335401	+	0	NA	intron (N	AluSq|SIN	-15099	NM_000657	596	Hs.150749	NM_000633	ENSG00000	BCL2	Bcl-2|PPF	BCL2 apop	protein-coding
chr20-417	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr20	4177150	4179411	+	0	NA	intron (N	AluSg|SIN	-14810	NR_033917	728228	Hs.636379	NR_033917	ENSG00000	LINC01433	-	long inte	ncRNA
chr5-6605	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr5	66053545	66055537	+	0	NA	exon (NM_	exon (NM_	-89759	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr5-1093	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-36162	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr5-1604	9.178921	0.130809	0.768558	0.170201	0.864852	0.981636	chr5	1.6E+08	1.6E+08	+	0	NA	exon (NM_	exon (NM_	-6525	NM_001303	63920	Hs.529464	NM_022090	ENSG00000	ZBED8	Buster3|C	zinc fing	protein-coding
chr19-403	6.642825	0.15697	0.922514	0.170155	0.864888	0.981636	chr19	40328201	40328472	+	0	NA	intron (N	intron (N	20061	NR_046202	126526	Hs.631557	NM_178830	ENSG00000	C19orf47	-	chromosom	protein-coding
chr5-3478	6.642825	0.15697	0.922514	0.170155	0.864888	0.981636	chr5	34786785	34787228	+	0	NA	intron (N	MER9a3|LT	-52158	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr8-7670	8.658759	0.135543	0.796767	0.170116	0.864919	0.981636	chr8	76704429	76704949	+	0	NA	exon (NM_	exon (NM_	-21414	NR_024360	1E+08	Hs.596420	NR_024360	ENSG00000	ZFHX4-AS1	-	ZFHX4 ant	ncRNA
chr1-2475	8.650901	0.137365	0.807515	0.170108	0.864925	0.981636	chr1	24756971	24757313	+	0	NA	intron (N	AluSp|SIN	11695	NM_013943	25932	Hs.440544	NM_013943	ENSG00000	CLIC4	CLIC4L|H1	chloride	protein-coding
chr5-1423	4.66618	0.181067	1.064675	0.170068	0.864957	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJb|SIN	69716	NR_120664	1.02E+08	Hs.658945	NR_120664	ENSG00000	SPRY4-AS1	THCAT68	SPRY4 ant	ncRNA
chr18-993	12.17047	0.11579	0.681685	0.169858	0.865122	0.981636	chr18	9936170	9937082	+	0	NA	intron (N	AluJo|SIN	22610	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP asso	protein-coding
chr16-577	7.219842	0.147352	0.868214	0.169719	0.865231	0.981636	chr16	57770569	57771304	+	0	NA	intron (N	intron (N	1416	NR_106830	1.02E+08		NR_106830	ENSG00000	MIR6772	hsa-mir-6	microRNA	ncRNA
chr19-108	7.219842	0.147352	0.868214	0.169719	0.865231	0.981636	chr19	1087716	1089855	+	0	NA	TTS (NM_0	TTS (NM_0	6590	NM_002695	5434	Hs.24301	NM_002695	ENSG00000	POLR2E	RPABC1|RF	RNA polym	protein-coding
chr3-5785	7.219842	0.147352	0.868214	0.169719	0.865231	0.981636	chr3	57858485	57859597	+	0	NA	intron (N	L1MC5|LIN	-30873	NM_001311	7871	Hs.476432	NM_007159	ENSG00000	SLMAP	SLAP	sarcolemm	protein-coding
chr6-9051	7.219842	0.147352	0.868214	0.169719	0.865231	0.981636	chr6	90518309	90519275	+	0	NA	intron (N	intron (N	68280	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1349	7.219842	0.147352	0.868214	0.169719	0.865231	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	13530	NR_037435	1.01E+08		NR_037435	ENSG00000	MIR3662	mir-3662	microRNA	ncRNA
chr6-3061	18.12813	0.098417	0.580064	0.169665	0.865273	0.981636	chr6	30616390	30617026	+	0	NA	non-codir	non-codir	535	NM_002714	5514	Hs.106019	NM_002714	ENSG00000	PPP1R10	CAT53|FB1	protein p	protein-coding
chr19-344	8.341404	-0.13795	0.813382	-0.1696	0.865327	0.981636	chr19	3441195	3441569	+	0	NA	intron (N	MIRc|SINE	39143	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr11-294	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr11	2949138	2950440	+	0	NA	intron (N	intron (N	14104	NR_002982	677833	Hs.689696	NR_002982	ENSG00000	SNORA54	ACA54	small nuc	snoRNA
chr11-614	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr11	61446507	61449313	+	0	NA	Intergeni	Intergeni	17785	NM_017841	54949	Hs.313247	NM_017841	ENSG00000	SDHAF2	C11orf79|	succinate	protein-coding
chr12-963	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr12	96322007	96324205	+	0	NA	intron (N	L1MEd|LIN	67608	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr13-111	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	3' UTR (N	3' UTR (N	-11543	NM_001303	121793	Hs.210677	NM_152324	ENSG00000	TEX29	C13orf16|	testis ex	protein-coding
chr16-294	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr16	29423129	29426771	+	0	NA	TTS (NR_1	TTS (NR_1	-20405	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr17-818	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr17	81863440	81863739	+	0	NA	Intergeni	AluJb|SIN	-3054	NM_000918	5034	Hs.464336	NM_000918	ENSG00000	P4HB	CLCRP1|DS	prolyl 4-	protein-coding
chr18-956	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr18	9566430	9573885	+	0	NA	exon (NM_	exon (NM_	44402	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr20-315	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr20	3154180	3155301	+	0	NA	intron (N	HAL1|LINE	5125	NM_021826	60493	Hs.741168	NM_021826	ENSG00000	FASTKD5	dJ1187M17	FAST kina	protein-coding
chr20-353	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr20	35380496	35384395	+	0	NA	intron (N	intron (N	29528	NM_018244	55245	Hs.726290	NM_018244	ENSG00000	UQCC1	BFZB|C20o	ubiquinol	protein-coding
chr22-209	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr22	20949196	20953713	+	0	NA	3' UTR (N	3' UTR (N	-5638	NR_110537	1.02E+08	Hs.648264	NR_110537	ENSG00000	LINC01637	-	long inte	ncRNA
chr22-239	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr22	23971221	23971881	+	0	NA	exon (NM_	exon (NM_	2940	NM_001084	1652	Hs.656723	NM_001355	ENSG00000	DDT	D-DT|DDCT	D-dopachr	protein-coding
chr4-4262	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr4	426204	426432	+	0	NA	non-codir	non-codir	47891	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr5-4352	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr5	43525273	43531320	+	0	NA	intron (N	intron (N	-13148	NM_198566	375444	Hs.661641	NM_198566	ENSG00000	C5orf34	-	chromosom	protein-coding
chr5-1592	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	AluJo|SIN	7894	NM_145049	134510	Hs.591733	NM_145049	ENSG00000	UBLCP1	CPUB1	ubiquitin	protein-coding
chr7-1396	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	L1MB5|LIN	79781	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr9-3777	7.879948	-0.13974	0.824698	-0.16944	0.86545	0.981636	chr9	37779524	37783391	+	0	NA	intron (N	intron (N	3607	NM_016042	51010	Hs.602571	NM_016042	ENSG00000	EXOSC3	CGI-102|F	exosome c	protein-coding
chr1-1265	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr1	1265898	1268701	+	0	NA	intron (N	intron (N	6555	NM_194458	118424	Hs.191987	NM_058167	ENSG00000	UBE2J2	NCUBE-2|N	ubiquitin	protein-coding
chr10-733	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr10	73375250	73376093	+	0	NA	3' UTR (N	3' UTR (N	-16807	NM_001367	118491	Hs.591367	NM_145170	ENSG00000	CFAP70	TTC18	cilia and	protein-coding
chr11-949	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr11	9497258	9498772	+	0	NA	intron (N	AluY|SINE	37003	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr12-644	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr12	64481768	64482896	+	0	NA	intron (N	intron (N	30212	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr14-102	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx1|SI	4200	NM_032630	51550	Hs.129634	NM_032630	ENSG00000	CINP	-	cyclin de	protein-coding
chr16-375	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr16	3756489	3758838	+	0	NA	intron (N	intron (N	-40139	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-683	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr16	68315835	68316713	+	0	NA	intron (N	intron (N	5160	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr16-720	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr16	72097734	72097947	+	0	NA	intron (N	intron (N	-3462	NM_001142	54957	Hs.134406	NM_017853	ENSG00000	TXNL4B	DLP|Dim2	thioredox	protein-coding
chr2-1553	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr2	15533955	15534616	+	0	NA	intron (N	MIRb|SINE	27049	NM_015909	51594	Hs.467759	NM_015909	ENSG00000	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr2-1717	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	97630	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr20-564	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr20	56497429	56497941	+	0	NA	intron (N	intron (N	-27044	NM_001012	200232	Hs.504907	NM_001012	ENSG00000	FAM209A	C20orf106	family wi	protein-coding
chr22-297	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr22	29790033	29792057	+	0	NA	intron (N	intron (N	23676	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr3-1838	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	22422	NM_001037	55486	Hs.478469	NM_018622	ENSG00000	PARL	PRO2207|F	presenili	protein-coding
chr4-5698	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr4	56985324	56988814	+	0	NA	intron (N	L1MC4|LIN	8173	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr4-7611	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr4	76116220	76118324	+	0	NA	intron (N	L1MB3|LIN	31125	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-6936	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr5	69364915	69367469	+	0	NA	intron (N	intron (N	-3105	NM_133343	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr7-9904	8.666617	0.133802	0.789947	0.169381	0.865497	0.981636	chr7	99044123	99045843	+	0	NA	intron (N	AluJo|SIN	31818	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr1-2819	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr1	28198833	28205635	+	0	NA	intron (N	intron (N	-8298	NM_001164	5724	Hs.77542	NM_000952	ENSG00000	PTAFR	PAFR	platelet	protein-coding
chr1-3262	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr1	32627390	32628863	+	0	NA	intron (N	AluSx|SIN	22424	NM_001366	339487	Hs.655921	NM_178547	ENSG00000	ZBTB8OS	ARCH|ARCH	zinc fing	protein-coding
chr1-4430	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr1	44305899	44307763	+	0	NA	intron (N	intron (N	48426	NM_024066	79033	Hs.731413	NM_024066	ENSG00000	ERI3	PINT1|PRN	ERI1 exor	protein-coding
chr1-1809	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	3' UTR (N	3' UTR (N	-17943	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr1-2064	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3' UTR (N	3' UTR (N	-15782	NM_014002	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr10-102	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz|SIN	37488	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr10-114	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	7215	NM_139169	142940	Hs.21187	NM_139169	ENSG00000	TRUB1	PUS4	TruB pseu	protein-coding
chr11-770	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr11	770093	772771	+	0	NA	intron (N	intron (N	6055	NM_001318	347862	Hs.218362	NM_182612	ENSG00000	GATD1	PDDC1	glutamine	protein-coding
chr11-185	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr11	18513934	18515354	+	0	NA	intron (N	intron (N	12298	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr11-477	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr11	47797469	47799598	+	0	NA	intron (N	intron (N	-31192	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr12-719	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr12	7191827	7193089	+	0	NA	intron (N	intron (N	2096	NM_000319	5830	Hs.567327	NM_000319	ENSG00000	PEX5	PBD2A|PBD	peroxisom	protein-coding
chr12-273	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr12	27322452	27323363	+	0	NA	3' UTR (N	3' UTR (N	-9929	NM_001248	56938	Hs.445447	NM_020183	ENSG00000	ARNTL2	BMAL2|CLI	aryl hydr	protein-coding
chr12-123	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	TTS (NR_1	TTS (NR_1	4327	NR_145743	1.1E+08		NR_145743	ENSG00000	SNORA9B	-	small nuc	snoRNA
chr13-244	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr13	24441126	24446993	+	0	NA	intron (N	intron (N	68719	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-497	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr13	49724292	49728039	+	0	NA	intron (N	intron (N	-34678	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr13-983	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr13	98385942	98391126	+	0	NA	intron (N	intron (N	133591	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr14-204	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr14	20447450	20452265	+	0	NA	intron (N	AluJr|SIN	4955	NM_017807	55644	Hs.525196	NM_017807	ENSG00000	OSGEP	GAMOS3|GC	O-sialogl	protein-coding
chr14-350	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr14	35085938	35088655	+	0	NA	intron (N	intron (N	6215	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-356	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr14	35643359	35643743	+	0	NA	intron (N	L1MA3|LIN	109387	NM_032594	84684	Hs.62813	NM_032594	ENSG00000	INSM2	IA-6|IA6|	INSM tran	protein-coding
chr14-928	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr14	92832217	92838713	+	0	NA	intron (N	intron (N	41160	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr14-100	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-212	NR_003235	767567		NR_003235	ENSG00000	SNORD113-	14q(I-7)	small nuc	snoRNA
chr15-282	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr15	28269150	28270757	+	0	NA	intron (N	intron (N	52199	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-619	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr15	61971968	61973393	+	0	NA	exon (NM_	exon (NM_	87767	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr15-644	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr15	64447084	64448817	+	0	NA	intron (N	AluJr|SIN	-51470	NM_015042	23060	Hs.595451	NM_015042	ENSG00000	ZNF609	-	zinc fing	protein-coding
chr15-737	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr15	73705245	73712316	+	0	NA	intron (N	intron (N	24010	NM_001329	80381	Hs.744915	NM_025240	ENSG00000	CD276	4Ig-B7-H3	CD276 mol	protein-coding
chr15-762	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr15	76260288	76261527	+	0	NA	promoter-	promoter-	-755	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr16-148	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr16	14839311	14846245	+	0	NA	intron (N	L1ME3A|LI	9057	NM_014287	23420	Hs.743963	NM_014287	ENSG00000	NOMO1	Nomo|PM5	NODAL moc	protein-coding
chr16-274	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr16	27476507	27478580	+	0	NA	intron (N	AluSq2|SI	-24150	NR_037158	283888	Hs.660935	NR_037158	ENSG00000	IL21R-AS1	-	IL21R ant	ncRNA
chr16-483	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr16	48300967	48312018	+	0	NA	intron (N	intron (N	-58953	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr16-846	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr16	84651145	84654154	+	0	NA	intron (N	L1ME3A|LI	4138	NM_024731	79786	Hs.222731	NM_024731	ENSG00000	KLHL36	C16orf44	kelch lik	protein-coding
chr17-625	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr17	62523118	62525048	+	0	NA	intron (N	intron (N	42970	NM_001284	11011	Hs.445078	NM_006852	ENSG00000	TLK2	HsHPK|MRD	tousled l	protein-coding
chr17-752	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr17	75211353	75217337	+	0	NA	intron (N	intron (N	8666	NM_024844	79902	Hs.362817	NM_024844	ENSG00000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr17-752	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr17	75241790	75244690	+	0	NA	intron (N	intron (N	18366	NM_014001	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr17-825	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr17	82571233	82576368	+	0	NA	intron (N	intron (N	54068	NM_004514	3607	Hs.591140	NM_004514	ENSG00000	FOXK2	ILF|ILF-1	forkhead	protein-coding
chr18-105	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr18	10544263	10545899	+	0	NA	intron (N	AluSx1|SI	19054	NM_003826	8774	Hs.464622	NM_003826	ENSG00000	NAPG	GAMMASNAP	NSF attac	protein-coding
chr19-161	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	16189229	16192788	+	0	NA	3' UTR (N	3' UTR (N	5598	NM_014077	26017	Hs.631614	NM_014077	ENSG00000	FAM32A	OTAG-12|C	family wi	protein-coding
chr19-175	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	17566020	17573027	+	0	NA	intron (N	AluSx|SIN	13874	NM_024656	79709	Hs.418795	NM_024656	ENSG00000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr19-200	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	20021932	20025069	+	0	NA	intron (N	AluSc|SIN	15755	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr19-450	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	45051271	45065507	+	0	NA	intron (N	AluSx4|SI	-17238	NM_001319	79760	Hs.466919	NM_024707	ENSG00000	GEMIN7	SIP3	gem nucle	protein-coding
chr19-454	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	45412068	45416862	+	0	NA	intron (N	AluSx1|SI	7821	NM_001297	10849	Hs.710495	NM_012099	ENSG00000	CD3EAP	ASE-1|ASE	CD3e mole	protein-coding
chr19-496	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr19	49607257	49609602	+	0	NA	intron (N	AluSc|SIN	17247	NM_020719	57479	Hs.590971	NM_020719	ENSG00000	PRR12	KIAA1205	proline r	protein-coding
chr2-2915	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	29157125	29159496	+	0	NA	intron (N	intron (N	42895	NM_001287	79745	Hs.122927	NM_024692	ENSG00000	CLIP4	RSNL2	CAP-Gly d	protein-coding
chr2-4695	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	46955969	46961824	+	0	NA	intron (N	intron (N	-17041	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-1200	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA5|LIN	67504	NM_001330	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr2-1279	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	29683	NM_001145	79595	Hs.32995	NM_024545	ENSG00000	SAP130	-	Sin3A ass	protein-coding
chr2-1620	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	55344	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1699	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	108947	NM_172070	130507	Hs.379548	NM_172070	ENSG00000	UBR3	ZNF650	ubiquitin	protein-coding
chr2-2304	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	78051	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr21-463	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr21	46348659	46351244	+	0	NA	intron (N	AluSx1|SI	25284	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr22-209	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr22	20986933	20988282	+	0	NA	intron (N	intron (N	5310	NM_006767	8216	Hs.78788	NM_006767	ENSG00000	LZTR1	BTBD29|LZ	leucine z	protein-coding
chr22-457	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr22	45792766	45798072	+	0	NA	intron (N	(ATTCT)n|	34895	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-1412	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr3	14129709	14137470	+	0	NA	intron (N	intron (N	8649	NM_024334	79188	Hs.517817	NM_024334	ENSG00000	TMEM43	ARVC5|ARV	transmemb	protein-coding
chr3-4445	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr3	44452471	44458987	+	0	NA	intron (N	intron (N	21941	NM_001369	353274	Hs.250481	NM_181489	ENSG00000	ZNF445	ZKSCAN15|	zinc fing	protein-coding
chr3-4780	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr3	47808139	47813139	+	0	NA	intron (N	intron (N	7501	NM_138615	22907	Hs.517948	NM_014966	ENSG00000	DHX30	DDX30|NED	DExH-box	protein-coding
chr3-1013	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	(TAAT)n|S	-39339	NM_016247	50939	Hs.209249	NM_016247	ENSG00000	IMPG2	IPM200|RF	interphot	protein-coding
chr3-1978	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	38945	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-2699	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr4	2699139	2706042	+	0	NA	intron (N	L1MC4|LIN	53746	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr4-9421	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr4	94210731	94214552	+	0	NA	intron (N	AluSx|SIN	4557	NR_045644	56916	Hs.410406	NM_020159	ENSG00000	SMARCAD1	ADERM|BAS	SWI/SNF-r	protein-coding
chr5-6603	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	6603697	6611966	+	0	NA	intron (N	intron (N	24555	NR_024424	255167	Hs.435515	NR_024423	ENSG00000	LINC01018	SRHC	long inte	ncRNA
chr5-3211	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	32111228	32111756	+	0	NA	TTS (NM_1	TTS (NM_1	62827	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi pho	protein-coding
chr5-1330	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSz6|SI	8467	NR_131767	54819	Hs.29700	NM_017665	ENSG00000	ZCCHC10	-	zinc fing	protein-coding
chr5-1383	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-39220	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr5-1406	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3051	NR_033697	4695	Hs.75914	NM_002488	ENSG00000	NDUFA2	B8|CD14|C	NADH:ubic	protein-coding
chr5-1462	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	26993	NM_018989	54439	Hs.61441	NM_018989	ENSG00000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr5-1505	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	32212	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding

chr6-2833	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr6	2833645	2834326	+	0	NA	non-codin	non-codin	7878	NR_073112	1992	Hs.381167	NM_030666	ENSG00000	SERPINB1	EI|ELANH2	serpin fa	protein-coding
chr6-8412	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr6	8412563	8414256	+	0	NA	non-codin	non-codin	22136	NM_001370	51000	Hs.285847	NM_015948	ENSG00000	SLC35B3	C6orf196|	solute ca	protein-coding
chr6-1437	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-62142	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr7-6596	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr7	65965710	65968532	+	0	NA	intron (N	intron (N	15092	NM_001293	2990	Hs.255230	NM_000181	ENSG00000	GUSB	BG|MPS7	glucuroni	protein-coding
chr7-9890	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr7	98902602	98911868	+	0	NA	intron (N	AluSp|SIN	25538	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1023	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-2224	NR_031669	1E+08		NR_031669	ENSG00000	MIR5480	MIRN5480	microRNA	ncRNA
chr8-2197	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr8	21974878	21988345	+	0	NA	intron (N	intron (N	-42523	NM_001286	10361	Hs.131055	NM_182795	ENSG00000	NPM2	-	nucleopho	protein-coding
chr8-1442	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	AluSx|SIN	6888	NM_005526	3297	Hs.530227	NM_005526	ENSG00000	HSF1	HSTF1	heat shoc	protein-coding
chr9-1906	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr9	19062880	19063153	+	0	NA	TTS (NR_0	TTS (NR_0	770	NR_003009	677776	Hs.689635	NR_003009	ENSG00000	SCARNA8	U92	small Caj	ncRNA
chr9-3247	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr9	32478524	32481557	+	0	NA	intron (N	intron (N	46156	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIC	DExD/H-bo	protein-coding
chr9-3789	7.691006	0.140981	0.832356	0.169375	0.865501	0.981636	chr9	37890946	37895125	+	0	NA	intron (N	AluSx|SIN	11092	NM_033412	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr1-1196	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	11961688	11966292	+	0	NA	intron (N	intron (N	-16191	NM_014874	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusin	protein-coding
chr1-2445	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	24453219	24461719	+	0	NA	intron (N	intron (N	41444	NM_001322	57185	Hs.523442	NM_020448	ENSG00000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr1-3269	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	32696251	32697592	+	0	NA	intron (N	AluSz|SIN	5849	NM_001161	81493	Hs.712631	NM_030786	ENSG00000	SYNC	SYNC1|SYN	syncoilin	protein-coding
chr1-3301	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	33018703	33022446	+	0	NA	intron (N	AluSz|SIN	16309	NM_001199	204	Hs.470907	NM_001625	ENSG00000	AK2	ADK2	adenylate	protein-coding
chr1-3602	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	36027077	36030599	+	0	NA	intron (N	L1PA3|LIN	-55256	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr1-3603	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	36039897	36041827	+	0	NA	intron (N	AluSz|SIN	-43232	NM_014466	27285	Hs.127111	NM_014466	ENSG00000	TEKT2	TEKTB1|TE	tektin 2	protein-coding
chr1-4367	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	43671549	43677150	+	0	NA	intron (N	LTR79|LTR	24200	NM_014663	9682	Hs.155983	NM_014663	ENSG00000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-4463	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	44634452	44638030	+	0	NA	intron (N	intron (N	34815	NR_145816	1.1E+08		NR_145816		SNORD145	-	small nuc	snoRNA
chr1-9225	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	92253388	92256605	+	0	NA	intron (N	L1PA7|LIN	37081	NM_001012	388649	Hs.558823	NM_001012	ENSG00000	C1orf146	-	chromosom	protein-coding
chr1-9311	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	93115099	93116296	+	0	NA	intron (N	intron (N	36414	NM_007358	22823	Hs.31016	NM_007358	ENSG00000	MTF2	M96|PCL2|	metal res	protein-coding
chr1-9450	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	94508812	94511722	+	0	NA	intron (N	L1PA3|LIN	31492	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-1612	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSx|SIN	2654	NM_001166	4720	Hs.173611	NM_004550	ENSG00000	NDUFS2	CI-49|MC1	NADH:ubic	protein-coding
chr1-1725	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	25317	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr1-1738	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	17934	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr1-2201	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L1ME4b|LI	3002	NR_029628	406997		NR_029628	ENSG00000	MIR215	MIRN215|m	microRNA	ncRNA
chr10-314	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	3148058	3155428	+	0	NA	intron (N	AluJb|SIN	10142	NR_038284	1.01E+08	Hs.665365	NR_038284	ENSG00000	PITRM1-AS	-	PITRM1 an	ncRNA
chr10-689	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	68934294	68938531	+	0	NA	intron (N	AluY|SINE	-19758	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDE	DExD-box	protein-coding
chr10-731	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	73161558	73163916	+	0	NA	intron (N	intron (N	5271	NM_007265	11319	Hs.631822	NM_007265	ENSG00000	ECD	GCR2|HSGT	ecdysonel	protein-coding
chr10-777	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	77782482	77783412	+	0	NA	Intergeni	Intergeni	143808	NM_004747	9231	Hs.652690	NM_004747	ENSG00000	DLG5	LP-DLG|P-	discs lar	protein-coding
chr10-864	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	86464742	86467171	+	0	NA	intron (N	intron (N	55828	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr10-870	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	87065517	87069328	+	0	NA	intron (N	AluJb|SIN	26665	NM_001318	2746	Hs.500409	NM_005271	ENSG00000	GLUD1	GDH|GDH1|	glutamate	protein-coding
chr10-984	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	98440777	98445251	+	0	NA	intron (N	intron (N	-3307	NR_134454	1.02E+08	Hs.434883	NR_134451		LOC101927	-	uncharact	ncRNA
chr10-103	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	61359	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr11-895	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr11	8951657	8956780	+	0	NA	intron (N	L1MB7|LIN	10224	NM_020644	56674	Hs.501853	NM_020644	ENSG00000	TMEM9B	C11orf15	TMEM9 dom	protein-coding
chr11-576	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr11	57677608	57678554	+	0	NA	intron (N	intron (N	9967	NM_015457	25921	Hs.27239	NM_015457	ENSG00000	ZDHHC5	DHHC5|ZNF	zinc fing	protein-coding
chr11-685	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr11	68594706	68598916	+	0	NA	intron (N	intron (N	-87733	NM_015973	51083	Hs.278959	NM_015973	ENSG00000	GAL	ETL8|GAL-	galanin a	protein-coding
chr11-832	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr11	83261192	83264822	+	0	NA	intron (N	MIRb|SINE	23400	NM_001286	60492	Hs.368866	NM_021825	ENSG00000	CCDC90B	MDS011|MD	coiled-co	protein-coding
chr12-465	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	4655606	4660969	+	0	NA	intron (N	intron (N	9173	NM_005002	4704	Hs.75227	NM_005002	ENSG00000	NDUFA9	CC6|CI-39	NADH:ubic	protein-coding
chr12-501	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	50115213	50116570	+	0	NA	intron (N	intron (N	3655	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr12-535	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	53526943	53530080	+	0	NA	intron (N	AluSx1|SI	14527	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-573	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	57394129	57395476	+	0	NA	intron (N	intron (N	36241	NM_001351	22864	Hs.443673	NM_014925	ENSG00000	R3HDM2	CAG6|PRO1	R3H domai	protein-coding
chr12-885	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	88526616	88528278	+	0	NA	intron (N	intron (N	53024	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligan	protein-coding
chr12-952	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	95234640	95235194	+	0	NA	intron (N	SVA_D|Ret	17110	NM_017599	55591	Hs.24135	NM_017599	ENSG00000	VEZT	VEZATIN	vezatin,	protein-coding
chr12-118	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	MIRb|SINE	35399	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homo	protein-coding
chr12-122	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	9793	NR_036187	1E+08		NR_036187	ENSG00000	MIR4304	-	microRNA	ncRNA
chr13-270	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr13	27067864	27071059	+	0	NA	intron (N	L1ME3|LIN	-56072	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr13-390	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr13	39010602	39011527	+	0	NA	3’ UTR (N	3’ UTR (N	-20205	NM_001144	161003	Hs.327794	NM_145286	ENSG00000	STOML3	Epb7.21|S	stomatin	protein-coding
chr14-242	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr14	24210386	24211501	+	0	NA	intron (N	AluSx|SIN	2545	NM_014169	29082	Hs.279761	NM_014169	ENSG00000	CHMP4A	C14orf123	charged m	protein-coding
chr14-633	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr14	63380371	63382157	+	0	NA	intron (N	intron (N	-62329	NM_145171	122876	Hs.375028	NM_145171	ENSG00000	GPHB5	B5|GPB5|Z	glycoprot	protein-coding
chr15-655	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr15	65562262	65573160	+	0	NA	intron (N	L1MB3|LIN	37248	NM_016395	51495	Hs.512973	NM_016395	ENSG00000	HACD3	B-IND1|BI	3-hydroxy	protein-coding
chr15-781	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr15	78165044	78168446	+	0	NA	TTS (NM_0	TTS (NM_0	17383	NM_005530	3419	Hs.591110	NM_005530	ENSG00000	IDH3A	-	isocitrat	protein-coding
chr16-857	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr16	85794705	85796528	+	0	NA	intron (N	MER39|LTR	3201	NR_135193	1.02E+08	Hs.662217	NR_135193	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-387	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr17	38734300	38740213	+	0	NA	intron (N	AluSz6|SI	6915	NM_001136	284106	Hs.713595	NM_001136	ENSG00000	CISD3	MiNT|Mine	CDGSH iro	protein-coding
chr17-424	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr17	42461155	42465115	+	0	NA	intron (N	AluSx|SIN	4257	NM_005177	535	Hs.463074	NM_005177	ENSG00000	ATP6V0A1	ATP6N1|AT	ATPase H+	protein-coding
chr17-450	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr17	45033186	45034898	+	0	NA	intron (N	intron (N	17590	NM_001288	79877	Hs.463148	NM_024819	ENSG00000	DCAKD	-	dephospho	protein-coding
chr19-468	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr19	4681361	4683491	+	0	NA	intron (N	intron (N	3144	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr19-508	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr19	5080499	5083039	+	0	NA	intron (N	intron (N	112656	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr19-592	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr19	5926736	5932846	+	0	NA	intron (N	intron (N	15537	NM_004058	828	Hs.584744	NM_004058	ENSG00000	CAPS	CAPS1	calcyphos	protein-coding
chr19-331	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr19	33111446	33117725	+	0	NA	intron (N	L1M5|LINE	-17529	NM_173479	126248	Hs.211046	NM_173479	ENSG00000	WDR88	PQWD	WD repeat	protein-coding
chr2-2917	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	29174740	29176601	+	0	NA	TTS (NR_1	TTS (NR_1	48230	NM_001353	238	Hs.654469	NM_004304	ENSG00000	ALK	CD246|NBL	ALK recep	protein-coding
chr2-3261	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	32618488	32620117	+	0	NA	TTS (NM_0	TTS (NM_0	-8748	NM_001193	55622	Hs.468125	NM_017735	ENSG00000	TTC27	-	tetratric	protein-coding
chr2-7111	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	71113250	71114267	+	0	NA	intron (N	L1MC3|LIN	16471	NM_032601	84693	Hs.94949	NM_032601	ENSG00000	MCEE	GLOD2	methylmal	protein-coding
chr2-1021	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	L2a|LINE|	4356	NM_001320	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding
chr2-1711	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L1ME5|LIN	44160	NM_012290	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-2161	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-42131	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr20-349	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr20	34939947	34941669	+	0	NA	intron (N	Tigger15a	14827	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr20-501	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr20	50134281	50135456	+	0	NA	intron (N	MER58A|DN	18855	NM_199129	387521	Hs.744839	NM_199129	ENSG00000	TMEM189	KUA	transmemb	protein-coding
chr21-327	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr21	32749590	32752293	+	0	NA	exon (NM_	exon (NM_	20814	NM_013329	94104	Hs.644004	NM_013329	ENSG00000	PAXBP1	BM020|C21	PAX3 and	protein-coding
chr21-332	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr21	33282224	33286179	+	0	NA	intron (N	AluSq|SIN	17834	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr21-430	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr21	43029454	43032124	+	0	NA	3’ UTR (N	3’ UTR (N	37615	NM_001321	875	Hs.533013	NM_000071	ENSG00000	CBS	CBSL|HIP4	cystathio	protein-coding
chr22-199	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr22	19935266	19936701	+	0	NA	intron (N	HERVK11-i	2196	NM_001352	10587	Hs.443430	NM_006440	ENSG00000	TXNRD2	GCCD5|SEL	thioredox	protein-coding
chr22-215	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr22	21592980	21597358	+	0	NA	intron (N	intron (N	27455	NM_003347	7332	Hs.108104	NM_003347	ENSG00000	UBE2L3	E2-F1|L-U	ubiquitin	protein-coding
chr22-264	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr22	26487616	26493047	+	0	NA	TTS (NM_0	TTS (NM_0	6454	NM_001013	402055	Hs.709914	NM_001013	ENSG00000	SRRD	HC/HCC|SR	SRR1 doma	protein-coding
chr22-403	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr22	40302082	40303172	+	0	NA	intron (N	AluSg|SIN	-43873	NM_001363	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr3-1508	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr3	15087426	15090984	+	0	NA	intron (N	AluJo|SIN	9943	NM_001302	64145	Hs.475565	NM_022340	ENSG00000	RBSN	Rabenosyn	rabenosyn	protein-coding
chr3-3309	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr3	33092573	33094034	+	0	NA	exon (NM_	exon (NM_	3529	NM_001079	2720	Hs.443031	NM_000404	ENSG00000	GLB1	EBP|ELNR1	galactosi	protein-coding
chr3-4903	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr3	49035088	49036106	+	0	NA	intron (N	AluJo|SIN	-6199	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr4-3892	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr4	38921263	38924876	+	0	NA	intron (N	intron (N	55037	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-7078	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr4	70786598	70789015	+	0	NA	intron (N	intron (N	51697	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr4-1222	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-97179	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr4-1593	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	85946	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr4-1682	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	57932	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr5-1378	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr5	13785124	13786511	+	0	NA	intron (N	L1MB3|LIN	158663	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-6152	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr5	61529632	61531958	+	0	NA	intron (N	intron (N	-106965	NR_161251	285668	Hs.683866	NR_126523	ENSG00000	C5orf64	-	chromosom	ncRNA
chr5-1492	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	L1MB5|LIN	-24594	NM_001323	134265	Hs.62930	NM_152406	ENSG00000	AFAP1L1	-	actin fil	protein-coding
chr5-1543	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	31010	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr5-1574	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr5	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSq|SIN	-29783	NR_136205	1.03E+08	Hs.570889	NR_136204		LOC102724	-	uncharact	ncRNA
chr6-3079	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr6	3079350	3083868	+	0	NA	intron (N	AluSp|SIN	13115	NM_001354	8737	Hs.519842	NM_003804	ENSG00000	RIPK1	IMD57|RIP	receptor	protein-coding
chr6-2441	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr6	24412567	24414728	+	0	NA	intron (N	intron (N	10711	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-1597	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	2683	NR_134861	29074	Hs.416998	NM_014161	ENSG00000	MRPL18	HSPC071|M	mitochond	protein-coding
chr7-6673	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	66735452	66737308	+	0	NA	intron (N	intron (N	-4353	NM_001367	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr7-7598	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	75983595	75985001	+	0	NA	intron (N	intron (N	10297	NM_001317	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMP	transmemb	protein-coding
chr7-9888	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	98887164	98888630	+	0	NA	intron (N	intron (N	6200	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1511	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	6871	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr7-1511	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	23663	NM_001098	2636		NM_001098	ENSG00000	GBX1	Huh-17	gastrulat	protein-coding
chr7-1587	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	32673	NM_020728	57488	Hs.490795	NM_020728	ENSG00000	ESYT2	CHR2SYT|E	extended	protein-coding
chr8-3050	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr8	30508245	30509087	+	0	NA	intron (N	intron (N	-123265	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr8-9482	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr8	94829414	94834629	+	0	NA	exon (NM_	exon (NM_	8731	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr9-8365	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr9	83654678	83665320	+	0	NA	TTS (NM_0	TTS (NM_0	36856	NM_001001	414328	Hs.530261	NM_001001	ENSG00000	IDNK	C9orf103|	IDNK gluc	protein-coding
chr9-1275	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	1748	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr9-1289	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	32339	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chrX-2726	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chrX	2726379	2727751	+	0	NA	intron (N	AluY|SINE	-24987	NM_001141	7499	Hs.179675	NM_175569	ENSG00000	XG	PBDX	Xg glycop	protein-coding
chrX-1539	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	-6991	NM_002910	5973	Hs.158331	NM_002910	ENSG00000	RENBP	RBP|RNBP	renin bin	protein-coding
chrX-1543	7.178702	0.145338	0.858305	0.169332	0.865536	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	12056	NM_001110	2316	Hs.195464	NM_001456	ENSG00000	FLNA	ABP-280|A	filamin A	protein-coding
chr10-689	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr10	68943117	68943741	+	0	NA	intron (N	AluSp|SIN	-12741	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDE	DExD-box	protein-coding
chr11-121	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr11	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	30648	NM_152715	219899	Hs.504136	NM_152715	ENSG00000	TBCEL	E1|LRRC35	tubulin f	protein-coding
chr12-295	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr12	29571134	29572498	+	0	NA	intron (N	intron (N	-72123	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr16-151	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr16	15129562	15130312	+	0	NA	non-codin	non-codin	1664	NR_123722	1.05E+08	Hs.634612	NR_123721	ENSG00000	PKD1P6-NP	-	PKD1P6-NP	pseudo
chr17-500	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr17	50068130	50072981	+	0	NA	intron (N	AluSz|SIN	14445	NM_002204	3675	Hs.265829	NM_002204	ENSG00000	ITGA3	CD49C|FRP	integrin	protein-coding
chr18-260	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr18	26018068	26018892	+	0	NA	intron (N	intron (N	72133	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr19-172	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr19	17216938	17218134	+	0	NA	intron (N	intron (N	2179	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-463	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr19	46375936	46377335	+	0	NA	intron (N	intron (N	29548	NM_006247	5536	Hs.654604	NM_006247	ENSG00000	PPP5C	PP5|PPP5|	protein p	protein-coding
chr2-1018	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-123393	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr20-347	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr20	34775267	34776230	+	0	NA	intron (N	intron (N	6656	NM_001242	23054	Hs.368971	NM_014071	ENSG00000	NCOA6	AIB3|ASC2	nuclear r	protein-coding
chr20-349	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr20	34937448	34939064	+	0	NA	intron (N	intron (N	17379	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr22-317	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr22	31798415	31799047	+	0	NA	intron (N	MER41C|LT	44708	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr4-7156	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr4	71566999	71569254	+	0	NA	3’ UTR (N	3’ UTR (N	215953	NM_000583	2638	Hs.418497	NM_000583	ENSG00000	GC	DBP|DBP-m	GC vitami	protein-coding
chr6-7138	8.20331	0.137181	0.810726	0.169207	0.865633	0.981636	chr6	71383153	71383683	+	0	NA	Intergeni	MER1B|DNA	-6387	NR_029598	407032		NR_029598	ENSG00000	MIR30C2	MIRN30C2|	microRNA	ncRNA
chr11-948	6.146237	0.158474	0.936961	0.169137	0.865689	0.981636	chr11	94872165	94872447	+	0	NA	3’ UTR (N	3’ UTR (N	101250	NM_016403	51503	Hs.503597	NM_016403	ENSG00000	CWC15	AD002|C11	CWC15 spl	protein-coding
chr14-520	6.146237	0.158474	0.936961	0.169137	0.865689	0.981636	chr14	52048632	52049817	+	0	NA	intron (N	intron (N	19835	NM_007361	22795	Hs.369840	NM_007361	ENSG00000	NID2	NID-2	nidogen 2	protein-coding
chr21-464	6.146237	0.158474	0.936961	0.169137	0.865689	0.981636	chr21	46497631	46498099	+	0	NA	intron (N	intron (N	35394	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr1-1023	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr1	10235134	10236260	+	0	NA	intron (N	AluSq|SIN	4933	NM_001365	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding

chr1-2209	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr1	22094597	22095680	+	0	NA	3’ UTR (N	3’ UTR (N	42429	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|G	cell divi	protein-coding
chr11-341	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr11	34108080	34108605	+	0	NA	intron (N	intron (N	2713	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr11-765	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr11	76500428	76501533	+	0	NA	intron (N	MER2|DNA|	55955	NM_020193	56946	Hs.352588	NM_020193	ENSG00000	EMSY	C11orf30|	EMSY tran	protein-coding
chr11-765	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr11	76529976	76530390	+	0	NA	intron (N	AluSq|SIN	85158	NM_020193	56946	Hs.352588	NM_020193	ENSG00000	EMSY	C11orf30|	EMSY tran	protein-coding
chr12-266	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr12	26683371	26684650	+	0	NA	intron (N	intron (N	149184	NM_002223	3709	Hs.512235	NM_002223	ENSG00000	ITPR2	ANHD|CFAP	inositol	protein-coding
chr12-987	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr12	98731955	98732762	+	0	NA	intron (N	intron (N	87058	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-111	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	L1M4|LINE	-13914	NR_106819	1.02E+08		NR_106819	ENSG00000	MIR6761	hsa-mir-6	microRNA	ncRNA
chr12-122	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	17329	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr13-495	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr13	49547556	49549504	+	0	NA	intron (N	L1MB5|LIN	37028	NM_001352	55213	Hs.508021	NM_018191	ENSG00000	RCBTB1	CLLD7|CLL	RCC1 and	protein-coding
chr13-771	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr13	77109294	77110619	+	0	NA	intron (N	MER11A|LT	34442	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr15-644	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr15	64417054	64422354	+	0	NA	intron (N	intron (N	31868	NM_001321	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr15-771	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr15	77112798	77115317	+	0	NA	3’ UTR (N	3’ UTR (N	-42948	NM_198902	10099	Hs.744863	NM_005724	ENSG00000	TSPAN3	TM4-A|TM4	tetraspan	protein-coding
chr15-847	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr15	84791845	84794719	+	0	NA	intron (N	AluSx|SIN	-23398	NM_020778	57538	Hs.459183	NM_020778	ENSG00000	ALPK3	CMH27|MAK	alpha kin	protein-coding
chr16-220	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr16	22085714	22086334	+	0	NA	Intergeni	MIR3|SINE	-6517	NM_173615	146177	Hs.10697	NM_173615	ENSG00000	VWA3A	-	von Wille	protein-coding
chr17-536	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr17	5369334	5370557	+	0	NA	intron (N	AluSp|SIN	-49696	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-161	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr17	16134061	16135078	+	0	NA	intron (N	intron (N	18627	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-626	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr17	62666730	62668863	+	0	NA	intron (N	L2c|LINE|	-38410	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-802	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr17	80243599	80244331	+	0	NA	intron (N	intron (N	-16887	NM_001256	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr19-343	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr19	34327562	34331224	+	0	NA	intron (N	intron (N	-35347	NM_001184	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr2-1273	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr2	12736077	12737536	+	0	NA	promoter-	promoter-	-561	NR_036072	1E+08		NR_036072	ENSG00000	MIR3125	mir-3125	microRNA	ncRNA
chr2-4560	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr2	45600495	45602164	+	0	NA	intron (N	MamRep605	9938	NM_018079	55133	Hs.14229	NM_018079	ENSG00000	SRBD1	-	S1 RNA bi	protein-coding
chr2-2083	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	AluSx|SIN	-21684	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr2-2302	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	MLT1C|LTR	3590	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr2-2410	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	3282	NM_182501	130916	Hs.159556	NM_182501	ENSG00000	MTERF4	MTERFD2	mitochond	protein-coding
chr20-355	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr20	35551878	35552785	+	0	NA	intron (N	L2a|LINE|	10253	NM_015966	51614	Hs.472558	NM_015966	ENSG00000	ERGIC3	C20orf47|	ERGIC and	protein-coding
chr20-367	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr20	36785466	36787366	+	0	NA	3’ UTR (N	3’ UTR (N	-12653	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr21-334	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr21	33456612	33457176	+	0	NA	intron (N	intron (N	23080	NM_006134	757	Hs.433668	NM_006134	ENSG00000	TMEM50B	C21orf4|H	transmemb	protein-coding
chr22-209	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr22	20990762	20992782	+	0	NA	exon (NM_	exon (NM_	9475	NM_006767	8216	Hs.78788	NM_006767	ENSG00000	LZTR1	BTBD29|LZ	leucine z	protein-coding
chr22-314	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr22	31465327	31467998	+	0	NA	intron (N	L1ME1|LIN	22894	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr3-4257	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr3	42573578	42576319	+	0	NA	intron (N	AluJr|SIN	-6892	NM_016305	51188	Hs.534454	NM_016305	ENSG00000	SS18L2	KIAA-iso	SS18 like	protein-coding
chr3-6411	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr3	64119549	64121284	+	0	NA	intron (N	MIRc|SINE	16946	NR_046701	1.01E+08	Hs.668874	NR_046701		PRICKLE2-	-	PRICKLE2	ncRNA
chr3-1413	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-10405	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr4-6765	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr4	67654905	67656205	+	0	NA	intron (N	L1PA13|LI	45600	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr5-8768	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	876821	877365	+	0	NA	intron (N	intron (N	15429	NR_134296	65980	Hs.449278	NM_023924	ENSG00000	BRD9	LAVS3040|	bromodoma	protein-coding
chr5-6592	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	65929832	65930947	+	0	NA	intron (N	AluY|SINE	3814	NM_001253	55914	Hs.591774	NM_018695	ENSG00000	ERBIN	ERBB2IP|H	erbb2 int	protein-coding
chr5-7477	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	74777089	74777643	+	0	NA	TTS (NR_C	TTS (NR_C	-9995	NM_170681	84340	Hs.277154	NM_032380	ENSG00000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-1381	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	14888	NM_004661	8697	Hs.73625	NM_004661	ENSG00000	CDC23	ANAPC8|AP	cell divi	protein-coding
chr5-1507	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	L1PA3|LIN	10705	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr5-1549	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluJb|SIN	36331	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr6-4319	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr6	43192000	43193944	+	0	NA	intron (N	intron (N	10776	NM_015089	23113	Hs.485434	NM_015089	ENSG00000	CUL9	H7AP1|PAR	cullin 9	protein-coding
chr6-1438	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L2a|LINE|	-24030	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr7-1521	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	AluJo|SIN	109840	NM_001371474								
chr8-3053	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr8	30530123	30530561	+	0	NA	intron (N	MIRb|SINE	-108238	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-3774	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr8	37744505	37745709	+	0	NA	intron (N	MIR3|SINE	2939	NR_003671	728024	Hs.647135	NR_003671		LOC728024	-	chromosom	pseudo
chr8-4193	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr8	41931195	41933256	+	0	NA	exon (NM_	exon (NM_	-35484	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr9-9363	6.666399	0.15036	0.889541	0.169031	0.865772	0.981636	chr9	93636392	93638406	+	0	NA	intron (N	L1MB8|LIN	42558	NR_049853	1.01E+08		NR_049853	ENSG00000	MIR548AU	-	microRNA	ncRNA
chr3-8813	6.97275	-0.14866	0.88004	-0.16893	0.865853	0.981636	chr3	88130217	88130701	+	0	NA	intron (N	AluJb|SIN	19407	NM_001195	8545	Hs.444818	NM_003663	ENSG00000	CGGBP1	CGGBP|p20	CGG tripl	protein-coding
chr15-101	13.11917	-0.11074	0.655577	-0.16893	0.865854	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	1083	NR_107062	1.02E+08		NR_107062	ENSG00000	MIR6859-2	hsa-mir-6	microRNA	ncRNA
chr10-791	8.715614	0.133854	0.792609	0.168878	0.865892	0.981636	chr10	79120226	79121617	+	0	NA	intron (N	intron (N	51955	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr19-411	8.715614	0.133854	0.792609	0.168878	0.865892	0.981636	chr19	4112368	4114233	+	0	NA	intron (N	intron (N	10829	NM_030662	5605	Hs.465627	NM_030662	ENSG00000	MAP2K2	CFC4|MAPK	mitogen-a	protein-coding
chr6-8724	8.715614	0.133854	0.792609	0.168878	0.865892	0.981636	chr6	87246587	87247276	+	0	NA	intron (N	AluSz6|SI	-75657	NM_001287	57150	Hs.70769	NM_020425	ENSG00000	SMIM8	C6orf162|	small int	protein-coding
chr20-350	10.21139	0.124361	0.736711	0.168806	0.865949	0.981636	chr20	35014850	35016369	+	0	NA	intron (N	AluSx1|SI	-25137	NR_039912	1.01E+08		NR_039912	ENSG00000	MIR499B	MIR499A|h	microRNA	ncRNA
chr1-2217	13.61391	-0.10823	0.641533	-0.16871	0.866023	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	promoter-	promoter-	-496	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding
chr16-224	13.61391	-0.10823	0.641533	-0.16871	0.866023	0.981636	chr16	22491279	22492247	+	0	NA	non-codin	non-codin	-12686	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr15-435	9.699083	0.126646	0.750684	0.168707	0.866027	0.981636	chr15	43519491	43523348	+	0	NA	5’ UTR (N	5’ UTR (N	3811	NM_002373	4130	Hs.194301	NM_002373	ENSG00000	MAP1A	MAP1L|MTA	microtubu	protein-coding
chr17-294	11.65816	0.117328	0.695579	0.168677	0.866051	0.981636	chr17	29495727	29497060	+	0	NA	intron (N	AluSq2|SI	70644	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr16-224	10.16239	0.124314	0.737002	0.168676	0.866052	0.981636	chr16	22431917	22432416	+	0	NA	intron (N	intron (N	-4842	NR_027154	641298	Hs.552700	NM_199284	ENSG00000	SMG1P1	-	SMG1 pseu	pseudo
chr14-940	5.690788	0.162974	0.96673	0.168583	0.866125	0.981636	chr14	94047003	94047954	+	0	NA	TTS (NM_C	TTS (NM_C	21138	NM_023112	78990	Hs.278815	NM_023112	ENSG00000	OTUB2	C14orf137	OTU deubi	protein-coding
chr15-944	5.690788	0.162974	0.96673	0.168583	0.866125	0.981636	chr15	94416961	94417656	+	0	NA	intron (N	intron (N	61378	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr16-840	5.690788	0.162974	0.96673	0.168583	0.866125	0.981636	chr16	84079252	84080086	+	0	NA	intron (N	L1MC4a|LI	37273	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr2-2415	5.690788	0.162974	0.96673	0.168583	0.866125	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	7633	NM_001271	10494	Hs.516807	NM_006374	ENSG00000	STK25	SOK1|YSK1	serine/th	protein-coding
chr6-7898	5.690788	0.162974	0.96673	0.168583	0.866125	0.981636	chr6	78985639	78986256	+	0	NA	intron (N	intron (N	92307	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr13-211	8.146455	0.139029	0.825064	0.168507	0.866184	0.981636	chr13	21145979	21146250	+	0	NA	intron (N	AluSx1|SI	5568	NM_001366	10284	Hs.524899	NM_005870	ENSG00000	SAP18	2HOR0202|	Sin3A ass	protein-coding
chr17-922	8.146455	0.139029	0.825064	0.168507	0.866184	0.981636	chr17	922284	922947	+	0	NA	intron (N	intron (N	12983	NR_135633	1.02E+08	Hs.666198	NR_135633	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-8091	8.146455	0.139029	0.825064	0.168507	0.866184	0.981636	chr7	80914754	80916437	+	0	NA	intron (N	AluSc|SIN	3456	NM_006379	10512	Hs.269109	NM_006379	ENSG00000	SEMA3C	SEMAE|Sem	semaphori	protein-coding
chr1-5240	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr1	52408190	52419066	+	0	NA	intron (N	(AC)n|Sim	9026	NM_032864	84950	Hs.5301	NM_032284	ENSG00000	PRPF38A	PRP38A|Pr	pre-mRNA	protein-coding
chr1-1590	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	29141	NM_004833	9447	Hs.733411	NM_004833	ENSG00000	AIM2	PYHIN4	absent in	protein-coding
chr10-125	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	7766	NR_110859	26098	Hs.468688	NM_015608	ENSG00000	EDRF1	C10orf137	erythroid	protein-coding
chr11-595	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr11	59597712	59602331	+	0	NA	intron (N	L2b|LINE|	-4863	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr11-659	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr11	65996431	66000551	+	0	NA	3’ UTR (N	3’ UTR (N	-3588	NM_001143	8815	Hs.433759	NM_003860	ENSG00000	BANF1	BAF|BCRP1	barrier t	protein-coding
chr12-623	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr12	62321614	62322739	+	0	NA	intron (N	AluSc|SIN	61772	NR_147080	9958	Hs.434951	NM_006313	ENSG00000	USP15	UNPH-2|UN	ubiquitin	protein-coding
chr15-405	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr15	40571816	40574407	+	0	NA	intron (N	AluSp|SIN	3812	NM_152260	27079	Hs.173311	NM_152260	ENSG00000	RPUSD2	C15orf19|	RNA pseud	protein-coding
chr15-646	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr15	64679918	64682934	+	0	NA	intron (N	L3|LINE|C	21855	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr17-313	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr17	31342852	31343728	+	0	NA	intron (N	AluJb|SIN	-21668	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr17-476	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr17	47612689	47613648	+	0	NA	intron (N	intron (N	-36751	NM_002265	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr17-569	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr17	56943084	56945270	+	0	NA	intron (N	LTR83|LTR	16873	NM_004645	8161	Hs.532795	NM_004645	ENSG00000	COIL	CLN80|p80	coilin	protein-coding
chr2-1592	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSz6|SI	45315	NM_152528	151525	Hs.20848	NM_152528	ENSG00000	WDSUB1	UBOX6|WDS	WD repeat	protein-coding
chr2-2013	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	Charlie1a	-28577	NM_139163	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr4-1431	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	12799	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitin	protein-coding
chr5-1128	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	-23330	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr7-9037	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr7	90378726	90379789	+	0	NA	intron (N	L2|LINE|L	-17035	NR_102424	1.01E+08		NR_102424		LOC101409	-	cell divi	pseudo
chr8-4296	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr8	42963859	42966784	+	0	NA	intron (N	intron (N	68343	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr9-1253	9.186779	0.129216	0.767184	0.168429	0.866246	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	40799	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr19-266	9.227918	0.130932	0.777396	0.168423	0.86625	0.981636	chr19	26627738	26628599	+	0	NA	Intergeni	ALR/Alpha	-1165263	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-350	6.923753	-0.14938	0.887186	-0.16838	0.866287	0.981636	chr10	35066642	35067193	+	0	NA	intron (N	intron (N	7366	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr11-959	6.923753	-0.14938	0.887186	-0.16838	0.866287	0.981636	chr11	95980889	95981646	+	0	NA	intron (N	intron (N	-57060	NM_016156	8898	Hs.181326	NM_016156	ENSG00000	MTMR2	CMT4B|CMT	myotubula	protein-coding
chr3-5663	6.923753	-0.14938	0.887186	-0.16838	0.866287	0.981636	chr3	56636410	56637120	+	0	NA	intron (N	intron (N	27281	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr5-3697	6.923753	-0.14938	0.887186	-0.16838	0.866287	0.981636	chr5	36972912	36973642	+	0	NA	intron (N	intron (N	96508	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr16-188	10.68255	0.120807	0.717758	0.168311	0.866338	0.981636	chr16	18890915	18892766	+	0	NA	intron (N	AluJr|SIN	34564	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr20-198	10.68255	0.120807	0.717758	0.168311	0.866338	0.981636	chr20	19819227	19819426	+	0	NA	Intergeni	MLT1A|LTR	-67195	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr10-111	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	16811	NR_031614	1E+08		NR_031614	ENSG00000	MIR548E	MIRN548E|	microRNA	ncRNA
chr13-500	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr13	50052011	50052792	+	0	NA	intron (N	Tigger2|D	-3200	NR_029485	406948		NR_029485	ENSG00000	MIR15A	MIRN15A|h	microRNA	ncRNA
chr2-8442	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr2	84423022	84424006	+	0	NA	TTS (NM_C	TTS (NM_C	35766	NM_003849	8802	Hs.270428	NM_003849	ENSG00000	SUCLG1	GALPHA|MT	succinate	protein-coding
chr3-3701	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr3	37014726	37016798	+	0	NA	intron (N	intron (N	22412	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr4-8477	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr4	84773966	84775572	+	0	NA	intron (N	intron (N	-190847	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr7-4482	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr7	44828737	44830833	+	0	NA	3’ UTR (N	3’ UTR (N	18341	NM_201436	94239	Hs.488189	NM_012412	ENSG00000	H2AFV	H2A.Z-2|H	H2A histo	protein-coding
chr9-6496	6.154095	0.156176	0.927925	0.168307	0.866342	0.981636	chr9	6496807	6498248	+	0	NA	intron (N	intron (N	84328	NM_152896	115426	Hs.493401	NM_152896	ENSG00000	UHRF2	NIRF|RNF1	ubiquitin	protein-coding
chr1-1035	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	-7001	NM_020978	280	Hs.484588	NM_020978	ENSG00000	AMY2B	AMY2|AMY3	amylase a	protein-coding
chr10-102	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	L3|LINE|C	15516	NM_004311	403	Hs.182215	NM_004311	ENSG00000	ARL3	ARFL3|JBT	ADP ribos	protein-coding
chr14-582	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr14	58223760	58224360	+	0	NA	intron (N	AluSx1|SI	-20745	NR_038123	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr15-740	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr15	74019026	74019346	+	0	NA	intron (N	intron (N	24470	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr17-637	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr17	63748096	63748951	+	0	NA	intron (N	AluSq2|SI	-6537	NM_001363	92335	Hs.514402	NM_153335	ENSG00000	STRADA	LYK5|NY-B	STE20 rel	protein-coding
chr18-589	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr18	58939507	58940702	+	0	NA	intron (N	AluSc8|SI	75227	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr21-436	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr21	43670512	43670882	+	0	NA	intron (N	MER30|DNA	11137	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr5-5897	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr5	58974227	58975703	+	0	NA	exon (NM_	exon (NM_	24933	NM_001197	5144	Hs.117545	NM_006203	ENSG00000	PDE4D	ACRDYS2|D	phosphodi	protein-coding
chr6-1114	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-73008	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr7-3004	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr7	30045812	30047471	+	0	NA	intron (N	MIRb|SINE	1556	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr8-1189	8.154313	0.137176	0.815416	0.168229	0.866403	0.981636	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	7834	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr1-1741	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	17419229	17422748	+	0	NA	intron (N	intron (N	17548	NM_001136	55920	Hs.380857	NM_018715	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-3096	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	30961906	30965009	+	0	NA	intron (N	intron (N	4780	NR_003066	692200		NR_003066		SNORD103C	HBII-251|	small nuc	snoRNA
chr1-3282	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	32825372	32836350	+	0	NA	intron (N	AluSz6|SI	5548	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr1-4340	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	43407083	43410252	+	0	NA	intron (N	L1ME4a|LI	18768	NM_015284	23334	Hs.643560	NM_015284	ENSG00000	SZT2	C1orf84|E	SZT2 subu	protein-coding
chr1-4666	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	46663038	46665525	+	0	NA	intron (N	MIR|SINE|	1597	NM_001256	64756	Hs.100874	NM_022745	ENSG00000	ATPAF1	ATP11|ATP	ATP synth	protein-coding
chr1-9490	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	94900359	94903479	+	0	NA	intron (N	intron (N	23889	NM_001286	1266	Hs.483454	NM_001839	ENSG00000	CNN3	-	calponin	protein-coding
chr1-1500	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	L1PA14|LI	32421	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-2270	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	75626	NM_020247	56997	Hs.118241	NM_020247	ENSG00000	COQ8A	ADCK3|ARC	coenzyme	protein-coding
chr10-285	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr10	28589590	28592509	+	0	NA	intron (N	intron (N	57931	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr10-841	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr10	84142109	84145317	+	0	NA	intron (N	intron (N	4204	NM_014394	27069	Hs.352656	NM_014394	ENSG00000	GHITM	DERP2|HSP	growth ho	protein-coding
chr10-864	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr10	86450767	86453826	+	0	NA	intron (N	(A)n|Simp	69488	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr11-329	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr11	32931394	32933950	+	0	NA	exon (NM_	exon (NM_	39861	NM_001076	79832	Hs.369368	NM_024774	ENSG00000	QSER1	-	glutamine	protein-coding
chr12-331	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr12	331410	335887	+	0	NA	exon (NM_	exon (NM_	55672	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RB	lysine de	protein-coding
chr12-861	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr12	861085	862946	+	0	NA	intron (N	intron (N	71061	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr13-495	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr13	49578457	49580557	+	0	NA	intron (N	AluY|SINE	6051	NM_001352	55213	Hs.508021	NM_018191	ENSG00000	RCBTB1	CLLD7|CLL	RCC1 and	protein-coding

chr13-772	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr13	77291239	77292058	+	0	NA	intron (N	AluSp|SIN	35446	NM_015057	23077	Hs.591221	NM_015057	ENSG00000	MYCBP2	Myc-bp2|F	MYC bindi	protein-coding
chr13-110	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA5|LIN	36121	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr13-113	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	13460	NM_005561	3916	Hs.494419	NM_005561	ENSG00000	LAMP1	CD107a|LA	lysosomal	protein-coding
chr13-113	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18667	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr14-350	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr14	35011849	35020209	+	0	NA	intron (N	L2b|LINE|	-28878	NM_001079	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr14-498	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr14	49802014	49806478	+	0	NA	intron (N	AluSg|SIN	36093	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-676	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr14	67684745	67692622	+	0	NA	intron (N	FLAM_C|SI	7081	NM_001252	51109	Hs.719925	NM_016026	ENSG00000	RDH11	ARSDR1|CC	retinol c	protein-coding
chr14-750	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr14	75016530	75020716	+	0	NA	intron (N	intron (N	15702	NM_014239	8892	Hs.409137	NM_014239	ENSG00000	EIF2B2	EIF-2Bbet	eukaryoti	protein-coding
chr15-434	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr15	43419765	43423083	+	0	NA	intron (N	intron (N	50323	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr15-636	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr15	63626144	63629317	+	0	NA	intron (N	intron (N	-26903	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-762	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr15	76281110	76286202	+	0	NA	intron (N	intron (N	-23504	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr16-116	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr16	11687421	11688020	+	0	NA	intron (N	intron (N	19265	NM_003498	8303	Hs.618526	NM_003498	ENSG00000	SNN	-	stannin	protein-coding
chr16-469	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr16	46955424	46961216	+	0	NA	intron (N	AluY|SINE	15354	NM_005880	10294	Hs.368078	NM_005880	ENSG00000	DNAJA2	CPR3|DJ3|	DnaJ heat	protein-coding
chr16-585	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr16	58595642	58599324	+	0	NA	intron (N	AluSx1|SI	32343	NM_206999	23019	Hs.460923	NM_016284	ENSG00000	CNOT1	AD-005|CI	CCR4-NOT	protein-coding
chr16-703	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr16	70350702	70360141	+	0	NA	intron (N	intron (N	8518	NM_018332	55308	Hs.656037	NM_018332	ENSG00000	DDX19A	DDX19-DDX	DEAD-box	protein-coding
chr17-406	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr17	4060074	4066605	+	0	NA	intron (N	FLAM_C|SI	79691	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-659	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr17	6593412	6596166	+	0	NA	intron (N	L1ME2z|LI	-38234	NM_001165	83394	Hs.183983	NM_031220	ENSG00000	PITPNM3	ACKR6|COF	PITPNM fa	protein-coding
chr17-160	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr17	16061115	16067118	+	0	NA	exon (NM_	exon (NM_	64292	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-403	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr17	40351909	40352601	+	0	NA	intron (N	intron (N	-9119	NR_110861	1.02E+08	Hs.655717	NR_110861	ENSG00000	RARA-AS1	-	RARA anti	ncRNA
chr18-458	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr18	45897928	45918341	+	0	NA	intron (N	intron (N	59195	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr2-2737	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr2	27376943	27377816	+	0	NA	non-codir	non-codir	3065	NM_001201	130557	Hs.515872	NM_144631	ENSG00000	ZNF513	HMFT0656|	zinc fing	protein-coding
chr20-341	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr20	34109058	34110377	+	0	NA	intron (N	intron (N	2526	NM_001316	8894	Hs.429180	NM_003908	ENSG00000	EIF2S2	EIF2|EIF2	eukaryoti	protein-coding
chr20-509	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr20	50937951	50954451	+	0	NA	intron (N	intron (N	12363	NM_001317	8813	Hs.654951	NM_003859	ENSG00000	DPM1	CDGIE|MPD	dolichyl-	protein-coding
chr21-326	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr21	32663214	32666101	+	0	NA	intron (N	LTR2|LTR|	-51786	NM_001350	56683	Hs.5811	NM_017835	ENSG00000	CFAP298	C21orf48|	cilia anc	protein-coding
chr22-219	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr22	21944617	21946101	+	0	NA	intron (N	MLT1C|LTR	7122	NR_147620	1E+08	Hs.659180	NR_147620		LOC100286	-	uncharact	ncRNA
chr22-428	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr22	42834558	42837603	+	0	NA	intron (N	AluSz|SIN	21193	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-3738	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr3	37382812	37384065	+	0	NA	Intergeni	L1PREC2|L	-2831	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr4-9907	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr4	99071141	99077947	+	0	NA	intron (N	intron (N	14244	NM_000671	128	Hs.78989	NM_000671	ENSG00000	ADH5	ADH-3|ADH	alcohol c	protein-coding
chr4-1435	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	L2b|LINE|	-3699	NR_104027	1E+08	Hs.707570	NR_104027	ENSG00000	SMARCA5-A	-	SMARCA5 a	ncRNA
chr5-1275	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	30355	NM_130809	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr6-7382	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr6	73821060	73821634	+	0	NA	intron (N	L1PA17|LI	125144	NM_133493	135228	Hs.399891	NM_133493	ENSG00000	CD109	CPAMD7|p1	CD109 mol	protein-coding
chr6-8752	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr6	87529665	87530866	+	0	NA	intron (N	L2a|LINE|	57291	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMF	solute ca	protein-coding
chr7-9933	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr7	99333659	99344697	+	0	NA	intron (N	L1ME3G|LI	13280	NM_006409	10552	Hs.124126	NM_006409	ENSG00000	ARPC1A	Arc40|HEL	actin rel	protein-coding
chr7-9954	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr7	99546651	99550367	+	0	NA	intron (N	intron (N	3605	NM_145111	221786	Hs.596587	NM_145111	ENSG00000	FAM200A	C7orf38	family wi	protein-coding
chr8-1795	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr8	17957378	17969620	+	0	NA	intron (N	intron (N	40511	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr8-9452	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr8	94526544	94531909	+	0	NA	exon (NM_	exon (NM_	24243	NM_015496	25962	Hs.202238	NM_015496	ENSG00000	VIRMA	KIAA1429|	vir like	protein-coding
chr8-1023	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	54099	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|E	ubiquitir	protein-coding
chr9-1364	8.674475	0.132112	0.786705	0.167931	0.866638	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJb|SIN	4381	NM_015160	23203	Hs.495471	NM_015160	ENSG00000	PMPCA	Alpha-MPF	peptidase	protein-coding
chr1-2142	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr1	21427150	21427728	+	0	NA	Intergeni	Intergeni	-12698	NM_001256	84224	Hs.325422	NM_032264	ENSG00000	NBPF3	AE2	NBPF memb	protein-coding
chr1-2821	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr1	28213999	28214556	+	0	NA	intron (N	AluSz|SIN	18752	NM_014280	22826	Hs.433540	NM_014280	ENSG00000	DNAJC8	HSPC331|S	DnaJ heat	protein-coding
chr1-1179	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	22632	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr10-322	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr10	32270041	32273045	+	0	NA	intron (N	intron (N	75615	NM_001272	80314	Hs.167805	NM_025209	ENSG00000	EPC1	Epl1	enhancer	protein-coding
chr10-500	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr10	50075969	50081056	+	0	NA	intron (N	L1M5|LINE	10558	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr11-123	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	MLT1A|LTR	38719	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr12-557	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr12	55781016	55789823	+	0	NA	intron (N	intron (N	32305	NM_033082	84324	Hs.505676	NM_033082	ENSG00000	SARNP	CIP29|HCC	SAP domai	protein-coding
chr12-880	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr12	88043628	88051361	+	0	NA	intron (N	intron (N	11958	NM_001009	91298	Hs.591009	NM_001009	ENSG00000	C12orf29	-	chromosom	protein-coding
chr12-119	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	THE1D|LTR	3367	NM_006253	5564	Hs.741184	NM_006253	ENSG00000	PRKAB1	AMPK|HAMP	protein k	protein-coding
chr13-306	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr13	30628424	30634743	+	0	NA	intron (N	AluJb|SIN	-2632	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitir	protein-coding
chr13-526	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr13	52679478	52682456	+	0	NA	intron (N	AluJb|SIN	28131	NM_001320	10910	Hs.281902	NM_006704	ENSG00000	SUGT1	SGT1	SGT1 homc	protein-coding
chr13-110	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz|SIN	66057	NM_001845	1282	Hs.17441	NM_001845	ENSG00000	COL4A1	BSVD|BSVD	collagen	protein-coding
chr15-506	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr15	50629817	50634709	+	0	NA	intron (N	AluSx|SIN	54534	NR_149154	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr15-561	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr15	56138737	56142138	+	0	NA	intron (N	L1PA2|LIN	49495	NM_001370	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr15-987	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr15	98711132	98712288	+	0	NA	intron (N	intron (N	-60489	NR_126453	1.04E+08	Hs.349049	NR_126453		IRAIN	IGF1R-AS	IGF1R ant	ncRNA
chr16-254	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr16	2540050	2540595	+	0	NA	intron (N	intron (N	2301	NM_001261	5170	Hs.459691	NM_002613	ENSG00000	PDPK1	PDK1|PDPK	3-phospho	protein-coding
chr16-466	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr16	46673925	46680277	+	0	NA	intron (N	AluJr4|SI	12077	NM_018206	55737	Hs.454528	NM_018206	ENSG00000	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr16-532	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr16	53267877	53269455	+	0	NA	intron (N	MER5A1|DN	60215	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-448	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr17	44870999	44872156	+	0	NA	intron (N	AluY|SINE	23694	NR_073504	51751	Hs.151787	NM_016438	ENSG00000	HIGD1B	CLST1124C	HIG1 hypo	protein-coding
chr18-918	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr18	9183114	9184688	+	0	NA	intron (N	L1M4a1|LI	46338	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr18-703	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr18	70324675	70327016	+	0	NA	exon (NM_	exon (NM_	-9594	NR_126336	1.02E+08	Hs.633706	NR_126336	ENSG00000	LINC01909	-	long inte	ncRNA
chr19-844	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr19	8446648	8447989	+	0	NA	intron (N	intron (N	2343	NM_031203	4670	Hs.465808	NM_005968	ENSG00000	HNRNPM	CEAR|HNRN	heteroger	protein-coding
chr2-3336	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	33367651	33370625	+	0	NA	intron (N	intron (N	-49378	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-3928	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	39284217	39286795	+	0	NA	intron (N	intron (N	-41523	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-4389	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	43891238	43894722	+	0	NA	intron (N	Tigger1|D	54009	NM_022437	64241	Hs.413931	NM_022437	ENSG00000	ABCG8	GBD4|STSL	ATP bindi	protein-coding
chr2-4615	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	46156158	46156639	+	0	NA	intron (N	L2c|LINE|	-141009	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-1120	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	28899	NM_032824	84910	Hs.656298	NM_032824	ENSG00000	TMEM87B	-	transmemb	protein-coding
chr2-1750	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	intron (N	L1PA3|LIN	-79095	NR_038133	1123	Hs.380138	NM_001822	ENSG00000	CHN1	ARHGAP2|C	chimerin	protein-coding
chr2-1829	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	60231	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr2-2185	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	MLT1J-int	23371	NM_020935	57695	Hs.166068	NM_020935	ENSG00000	USP37	-	ubiquitir	protein-coding
chr2-2301	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA10|LI	38187	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr20-371	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr20	37198523	37200851	+	0	NA	intron (N	intron (N	-20139	NM_213632	140699	Hs.349125	NM_152503	ENSG00000	MROH8	C20orf131	maestro h	protein-coding
chr20-490	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr20	49016479	49017710	+	0	NA	intron (N	intron (N	28962	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr3-1207	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	34031	NM_005513	2960	Hs.445272	NM_005513	ENSG00000	GTF2E1	FE|TF2E1|	general t	protein-coding
chr3-1338	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14512	NR_163491	58477	Hs.12152	NM_021203	ENSG00000	SRPRB	APMCF1|SR	SRP recep	protein-coding
chr3-1962	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	34755	NM_152672	200931	Hs.630585	NM_152672	ENSG00000	SLC51A	OSTA|OSTa	solute ca	protein-coding
chr4-3983	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr4	39836131	39837488	+	0	NA	intron (N	intron (N	138673	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitir	protein-coding
chr4-5692	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr4	56922410	56924114	+	0	NA	intron (N	intron (N	14349	NM_001193	5978	Hs.307836	NM_005612	ENSG00000	REST	DFNA27|GI	RE1 siler	protein-coding
chr4-1392	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSc|SIN	9628	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr4-1688	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	Tigger16b	4814	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-3848	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr5	38480390	38482229	+	0	NA	3’ UTR (N	3’ UTR (N	35763	NM_182801	133584	Hs.20103	NM_152403	ENSG00000	EGFLAM	AGRINL|AC	EGF like,	protein-coding
chr5-5538	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr5	55382110	55384722	+	0	NA	intron (N	L1M4b|LIN	75427	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-7233	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr5	72338314	72339705	+	0	NA	intron (N	intron (N	18636	NM_001284	79810	Hs.126906	NM_024754	ENSG00000	PTCD2	-	pentatric	protein-coding
chr5-7770	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr5	77702551	77707213	+	0	NA	intron (N	MamRTE1|L	-66185	NM_032109	23440	Hs.202247	NM_032109	ENSG00000	OTP	-	orthopedi	protein-coding
chr5-1577	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	exon (NM_	exon (NM_	48179	NM_173491	134353	Hs.23648	NM_173491	ENSG00000	LSM11	-	LSM11, U7	protein-coding
chr6-3076	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr6	3076762	3078505	+	0	NA	intron (N	intron (N	9139	NM_001354	8737	Hs.519842	NM_003804	ENSG00000	RIPK1	IMD57|RIF	receptor	protein-coding
chr6-5739	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr6	57399199	57399637	+	0	NA	intron (N	L1PA5|LIN	9286	NR_036097	1E+08		NR_036097	ENSG00000	MIR548U	-	microRNA	ncRNA
chr7-2340	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr7	23405622	23408339	+	0	NA	intron (N	L1MB2|LIN	10534	NR_145734	1.1E+08		NR_145734	ENSG00000	SNORD65C	-	small nuc	snoRNA
chr7-1212	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	LTR88b|LT	-41487	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr7-1495	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr7	1.5E+08	1.5E+08	+	0	NA	intron (N	tRNA-Cys-	40065	NR_027788	79970	Hs.520785	NM_024910	ENSG00000	ZNF767P	ZNF767	zinc fing	pseudo
chr8-9108	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr8	91083256	91084850	+	0	NA	exon (NM_	exon (NM_	13709	NM_001286	51633	Hs.30532	NM_016023	ENSG00000	OTUD6B	CGI-77|DU	OTU domai	protein-coding
chr8-1009	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	8500	NM_001135	7534	Hs.492407	NM_003406	ENSG00000	YWHAZ	14-3-3-ze	tyrosine	protein-coding
chr9-7171	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr9	71713954	71714559	+	0	NA	intron (N	intron (N	54257	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr9-1132	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	MIR|SINE|	3320	NM_001859	1317	Hs.532315	NM_001859	ENSG00000	SLC31A1	COPT1|CTR	solute ca	protein-coding
chr9-1132	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJo|SIN	2157	NR_136265	9128	Hs.744014	NM_004697	ENSG00000	PRPF4	HPRP4|HPR	pre-mRNA	protein-coding
chr9-1208	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	L1M2|LINE	17049	NM_005047	5711	Hs.193725	NM_005047	ENSG00000	PSMD5	S5B	proteasom	protein-coding
chr9-1253	7.418491	-0.1421	0.847236	-0.16773	0.866798	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz6|SI	99229	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr11-711	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr11	71109302	71109894	+	0	NA	intron (N	intron (N	115198	NM_012309	22941	Hs.268726	NM_012309	ENSG00000	SHANK2	AUTS17|CC	SH3 and m	protein-coding
chr17-375	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr17	37583686	37586593	+	0	NA	intron (N	intron (N	24279	NM_080550	11276	Hs.594647	NM_007247	ENSG00000	SYNRG	AP1GBP1|S	synergin	protein-coding
chr6-1789	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr6	17893178	17897920	+	0	NA	intron (N	L1MEg|LIN	92086	NM_001243	63971	Hs.94499	NM_022113	ENSG00000	KIF13A	RBKIN|bA5	kinesin f	protein-coding
chr6-1493	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-20732	NM_001002	387082	Hs.657168	NM_001002	ENSG00000	SUMO4	IDDM5|SMT	small ubi	protein-coding
chr7-1309	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	3143	NR_110473	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-F	long inte	ncRNA
chr8-1023	10.17025	0.122835	0.733154	0.167543	0.866942	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	65759	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|E	ubiquitir	protein-coding
chr1-5206	6.203092	0.156094	0.932146	0.167456	0.867011	0.981636	chr1	52062508	52063933	+	0	NA	intron (N	L2|LINE|L	6925	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr13-952	6.203092	0.156094	0.932146	0.167456	0.867011	0.981636	chr13	95294538	95295252	+	0	NA	intron (N	AluSq|SIN	6551	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MC	ATP bindi	protein-coding
chr16-120	6.203092	0.156094	0.932146	0.167456	0.867011	0.981636	chr16	12080434	12081191	+	0	NA	intron (N	AluSq2|SI	104078	NM_032167	92017	Hs.458401	NM_032167	ENSG00000	SNX29	A-388D4.1	sorting r	protein-coding
chr21-255	6.203092	0.156094	0.932146	0.167456	0.867011	0.981636	chr21	25599378	25600933	+	0	NA	intron (N	AluSx1|SI	7334	NM_017446	54148	Hs.420696	NM_017446	ENSG00000	MRPL39	C21orf92|	mitochonc	protein-coding
chr5-1392	6.203092	0.156094	0.932146	0.167456	0.867011	0.981636	chr5	13925360	13926415	+	0	NA	intron (N	MER81|DNA	18593	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr12-111	8.333546	-0.13631	0.814829	-0.16729	0.86714	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJo|SIN	13902	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr11-331	7.377352	-0.14463	0.86467	-0.16727	0.867159	0.981636	chr11	33154828	33155027	+	0	NA	intron (N	intron (N	6553	NM_001326	1479	Hs.44402	NM_001326	ENSG00000	CSTF3	CSTF-77	cleavage	protein-coding
chr14-203	7.377352	-0.14463	0.86467	-0.16727	0.867159	0.981636	chr14	20310919	20312170	+	0	NA	3’ UTR (N	3’ UTR (N	-5593	NM_138376	91875	Hs.98553	NM_138376	ENSG00000	TTC5	Strap	tetratric	protein-coding
chr17-511	7.377352	-0.14463	0.86467	-0.16727	0.867159	0.981636	chr17	51168066	51169038	+	0	NA	intron (N	AluSx|SIN	1830	NM_001018	4831	Hs.463456	NM_002512	ENSG00000	NME2	NDKB|NDPK	NME/NM23	protein-coding
chr2-2302	7.377352	-0.14463	0.86467	-0.16727	0.867159	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	9197	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr10-952	8.382544	-0.13563	0.810956	-0.16724	0.867179	0.981636	chr10	95245088	95246917	+	0	NA	intron (N	intron (N	45001	NM_020992	9124	Hs.368525	NM_020992	ENSG00000	PDLIM1	CLIM1|CLP	PDZ and L	protein-coding
chr15-636	8.382544	-0.13563	0.810956	-0.16724	0.867179	0.981636	chr15	63681538	63681870	+	0	NA	intron (N	MER68B|LT	-80877	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr3-1794	8.382544	-0.13563	0.810956	-0.16724	0.867179	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	46093	NM_021629	59345	Hs.173030	NM_021629	ENSG00000	GNB4	CMTD1F	G protein	protein-coding
chr5-5689	8.382544	-0.13563	0.810956	-0.16724	0.867179	0.981636	chr5	56891149	56892008	+	0	NA	intron (N	L1P1|LINE	-17682	NR_136556	133383	Hs.85950	NM_153706	ENSG00000	SETD9	C5orf35	SET domai	protein-coding
chr1-7798	7.928945	-0.13914	0.832155	-0.1672	0.867212	0.981636	chr1	77982439	77983102	+	0	NA	intron (N	AluSx1|SI	2586	NM_001317	11080	Hs.13852	NM_007034	ENSG00000	DNAJB4	DNAJW|DjB	DnaJ heat	protein-coding
chr1-5181	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr1	51813541	51814378	+	0	NA	intron (N	intron (N	22443	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-1625	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-31015	NM_001354	4921	Hs.275757	NM_006182	ENSG00000	DDR2	MIG20a|NT	discoidir	protein-coding
chr10-324	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr10	32481458	32483816	+	0	NA	intron (N	L1PA4|LIN	36497	NR_109827	79741	Hs.585464	NM_024688	ENSG00000	CCDC7	BIOT2|Bic	coiled-cc	protein-coding
chr10-427	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr10	42785197	42788270	+	0	NA	intron (N	intron (N	3938	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribc	protein-coding
chr10-498	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr10	49877843	49879690	+	0	NA	intron (N	intron (N	63261	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chr10-124	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	Intergeni	AluYe5|SI	-14998	NM_017580	54764	Hs.595158	NM_017580	ENSG00000	ZRANB1	TRABID	zinc fing	protein-coding
chr11-112	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	MER21B|LT	21875	NM_138789	120379	Hs.420662	NM_138789	ENSG00000	PIH1D2	-	PIH1 doma	protein-coding

chr13-491	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr13	49191061	49194949	+	0	NA	intron (N	intron (N	-27333	NM_001507	2862	Hs.248126	NM_001507	ENSG00000	MLNR	GPR38|MTL	motilin r	protein-coding
chr14-556	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr14	55641809	55642669	+	0	NA	intron (N	MIRb|SINE	62032	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr14-635	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr14	63536333	63539786	+	0	NA	intron (N	AluJb|SIN	-4725	NR_158218	1.12E+08	Hs.632347	NR_158218		LOC112268	-	loricrin-	ncRNA
chr14-100	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_C	TTS (NR_C	327	NR_029696	406914		NR_029696	ENSG00000	MIR127	MIRN127|m	microRNA	ncRNA
chr15-566	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr15	56699349	56701462	+	0	NA	3' UTR (N	3' UTR (N	33681	NM_001288	54816	Hs.511477	NM_017661	ENSG00000	ZNF280D	SUHW4|ZNF	zinc fing	protein-coding
chr18-270	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr18	2709059	2712757	+	0	NA	intron (N	L1MB3|LIN	55021	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr18-566	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr18	56613255	56618135	+	0	NA	intron (N	intron (N	22897	NR_024546	9352	Hs.114412	NM_004786	ENSG00000	TXNL1	HEL-S-114	thioredox	protein-coding
chr2-2763	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr2	27638633	27640740	+	0	NA	intron (N	AluJr|SIN	10636	NM_007266	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr2-3331	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr2	33313225	33315863	+	0	NA	intron (N	AluJr|SIN	-103972	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-6120	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr2	61202327	61209659	+	0	NA	intron (N	intron (N	28575	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-2030	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	50412	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr2-2161	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	L1ME5|LIN	46593	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr20-344	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr20	34424805	34426975	+	0	NA	intron (N	LTR5B|LTR	-40435	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-368	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr20	36814918	36816264	+	0	NA	exon (NM_	exon (NM_	-41828	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr3-1543	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr3	15439864	15440640	+	0	NA	3' UTR (N	3' UTR (N	12654	NM_033083	85403	Hs.716733	NM_033083	ENSG00000	EAF1	-	ELL assoc	protein-coding
chr3-4777	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr3	47771443	47772896	+	0	NA	intron (N	AluJr|SIN	9724	NM_003074	6599	Hs.476179	NM_003074	ENSG00000	SMARCC1	BAF155|CR	SWI/SNF r	protein-coding
chr4-1390	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	12644	NM_001276	1998	Hs.634040	NM_006874	ENSG00000	ELF2	EU32|NERF	E74 like	protein-coding
chr4-1393	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSc|SIN	-26183	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubic	protein-coding
chr5-1295	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	MIRb|SINE	-65391	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG00000	ADAMTS19-	-	ADAMTS19	ncRNA
chr5-1788	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-9942	NM_030613	80108	Hs.654533	NM_030613	ENSG00000	ZFP2	ZNF751|zf	ZFP2 zinc	protein-coding
chr6-1066	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr6	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	-26472	NM_001318	84816	Hs.155839	NM_032730	ENSG00000	RTN4IP1	NIMP|OPA1	reticulon	protein-coding
chr6-1121	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	31285	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr7-1297	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	52972	NR_029614	406958		NR_029614	ENSG00000	MIR182	MIRN182|m	microRNA	ncRNA
chr9-9822	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr9	98228553	98231876	+	0	NA	promoter-	promoter-	-997	NR_106913	1.02E+08		NR_106913	ENSG00000	MIR6854	hsa-mir-6	microRNA	ncRNA
chr9-1104	8.162171	0.135382	0.809898	0.16716	0.867244	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MA9|LIN	116726	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr1-2084	6.470154	-0.15464	0.925741	-0.16705	0.867335	0.981636	chr1	20848767	20849367	+	0	NA	intron (N	AluSx1|SI	-62379	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-2258	5.641791	0.162952	0.975885	0.166978	0.867387	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	exon (NM_	exon (NM_	23162	NM_001120	2052	Hs.89649	NM_001120	ENSG00000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr5-1419	5.641791	0.162952	0.975885	0.166978	0.867387	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSz6|SI	2812	NM_004290	9604	Hs.483616	NM_004290	ENSG00000	RNF14	ARA54|HFB	ring fing	protein-coding
chr1-1829	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr1	1829024	1830060	+	0	NA	intron (N	intron (N	-49511	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-1625	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	16814	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr10-103	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	5' UTR (N	5' UTR (N	407	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5'-nucleo	protein-coding
chr10-119	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	MLT1F1|LT	26710	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr11-349	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr11	34951257	34952108	+	0	NA	intron (N	L1PA3|LIN	9845	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr11-473	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr11	47315615	47316394	+	0	NA	intron (N	AluSz|SIN	36698	NM_000256	4607	Hs.524906	NM_000256	ENSG00000	MYBPC3	CMD1MM|CM	myosin bi	protein-coding
chr11-122	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-49286	NM_019604	56253	Hs.159523	NM_019604	ENSG00000	CRTAM	CD355	cytotoxic	protein-coding
chr17-324	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr17	32459283	32461248	+	0	NA	intron (N	AluJr4|SI	15755	NM_002815	5717	Hs.443379	NM_002815	ENSG00000	PSMD11	Rpn6|S9|p	proteasom	protein-coding
chr17-666	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr17	66646130	66646432	+	0	NA	intron (N	intron (N	-140791	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr19-523	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr19	52310653	52311047	+	0	NA	intron (N	AluY|SINE	13681	NM_001297	147657	Hs.729317	NM_144684	ENSG00000	ZNF480	-	zinc fing	protein-coding
chr2-4224	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr2	42246014	42246934	+	0	NA	intron (N	intron (N	-76243	NR_110584	1.03E+08	Hs.639826	NR_110584		LOC102723	-	uncharact	ncRNA
chr4-2824	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr4	2824045	2824886	+	0	NA	intron (N	intron (N	5651	NM_003023	6452	Hs.167679	NM_003023	ENSG00000	SH3BP2	3BP-2|3BP	SH3 domai	protein-coding
chr4-4854	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr4	48543563	48544156	+	0	NA	exon (NM_	exon (NM_	53607	NM_175619	326340	Hs.276457	NM_175619	ENSG00000	ZAR1	Z3CXXC6	zygote ar	protein-coding
chr5-3702	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr5	37025084	37025542	+	0	NA	intron (N	intron (N	148544	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr6-3620	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr6	36202953	36203538	+	0	NA	intron (N	MIRb|SINE	6501	NM_015695	27154	Hs.520096	NM_015695	ENSG00000	BRPF3	-	bromodoma	protein-coding
chr7-9275	6.964893	-0.14671	0.879916	-0.16673	0.867584	0.981636	chr7	92758510	92759318	+	0	NA	intron (N	L1PA14|LI	75045	NM_001259	1021	Hs.119882	NM_001259	ENSG00000	CDK6	MCPH12|PL	cyclin de	protein-coding
chr13-758	7.87209	-0.13803	0.828044	-0.1667	0.867609	0.981636	chr13	75800774	75801665	+	0	NA	intron (N	intron (N	40558	NM_015842	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr15-518	7.87209	-0.13803	0.828044	-0.1667	0.867609	0.981636	chr15	51889427	51889966	+	0	NA	intron (N	AluJr|SIN	34424	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo
chr3-1524	7.87209	-0.13803	0.828044	-0.1667	0.867609	0.981636	chr3	1.52E+08	1.52E+08	+	0	NA	3' UTR (N	3' UTR (N	-121809	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr7-1378	7.87209	-0.13803	0.828044	-0.1667	0.867609	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSp|SIN	36569	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chrX-7394	7.87209	-0.13803	0.828044	-0.1667	0.867609	0.981636	chrX	73946877	73949208	+	0	NA	intron (N	intron (N	3718	NR_024582	554203	Hs.648316	NR_024582	ENSG00000	JPX	DCBALD06|	JPX trans	ncRNA
chr7-7316	11.20271	0.117686	0.706003	0.166693	0.867611	0.981636	chr7	73165782	73166334	+	0	NA	intron (N	MLT1F|LTR	-10609	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr8-1234	7.642009	0.14099	0.84602	0.166651	0.867645	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	3' UTR (N	3' UTR (N	24795	NM_018024	55093	Hs.18029	NM_018024	ENSG00000	WDYHV1	C8orf32	WDYHV mot	protein-coding
chr1-1753	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr1	1753694	1757893	+	0	NA	intron (N	intron (N	2849	NM_001198	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-1820	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr1	1820819	1822880	+	0	NA	intron (N	MER33|DNA	-41818	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-2597	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr1	25971120	25973187	+	0	NA	intron (N	AluJr|SIN	25910	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr1-4027	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr1	40278997	40280482	+	0	NA	intron (N	HSMAR1|DN	21503	NM_005857	10269	Hs.132642	NM_005857	ENSG00000	ZMPSTE24	FACE-1|FA	zinc meta	protein-coding
chr1-1557	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSg|SIN	-21318	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr11-106	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr11	10635050	10637105	+	0	NA	intron (N	MIRb|SINE	16224	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr11-714	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr11	71491672	71492389	+	0	NA	intron (N	intron (N	18527	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr12-291	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr12	2913415	2916762	+	0	NA	intron (N	AluSz6|SI	24197	NM_001160	7289	Hs.655333	NM_003324	ENSG00000	TULP3	TUBL3	TUB like	protein-coding
chr12-893	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr12	8939089	8946608	+	0	NA	intron (N	intron (N	6797	NM_002355	4074	Hs.134084	NM_002355	ENSG00000	M6PR	CD-M6PR|C	mannose-6	protein-coding
chr12-100	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	L2c|LINE|	-26671	NM_001145	246213	Hs.116871	NM_139319	ENSG00000	SLC17A8	DFNA25|VG	solute ca	protein-coding
chr12-120	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	Charlie9|	12432	NM_001167	11021	Hs.524788	NM_006861	ENSG00000	RAB35	H-ray|RAB	RAB35, me	protein-coding
chr13-270	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr13	27080865	27082148	+	0	NA	intron (N	Tigger1|D	-44027	NR_046547	1.01E+08	Hs.524923	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr13-950	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr13	95023039	95023863	+	0	NA	intron (N	intron (N	63410	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr16-451	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr16	4512065	4513713	+	0	NA	exon (NM_	exon (NM_	17031	NM_001127	3163	Hs.284279	NM_002134	ENSG00000	HMOX2	HO-2	heme oxyg	protein-coding
chr16-899	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr16	89903315	89904862	+	0	NA	intron (N	intron (N	-13791	NM_002386	4157	Hs.513829	NM_002386	ENSG00000	MC1R	CMM5|MSH-	melanocor	protein-coding
chr17-203	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr17	2036176	2037581	+	0	NA	exon (NM_	exon (NM_	-5144	NM_080822	124641	Hs.513856	NM_080822	ENSG00000	OVCA2	-	OVCA2 ser	protein-coding
chr17-500	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr17	5009886	5011818	+	0	NA	intron (N	AluYh3|SI	9241	NR_120665	1.03E+08	Hs.666487	NR_120665	ENSG00000	LOC102724	-	uncharact	ncRNA
chr17-356	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr17	35687523	35690135	+	0	NA	intron (N	AluSz6|SI	-42810	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr17-585	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr17	58508814	58510288	+	0	NA	intron (N	AluJr|SIN	8329	NM_004687	9110	Hs.514373	NM_004687	ENSG00000	MTMR4	FYVE-DSP2	myotubula	protein-coding
chr17-760	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr17	76089046	76091251	+	0	NA	intron (N	intron (N	7928	NR_106928	1.02E+08		NR_106928	ENSG00000	MIR6868	hsa-mir-6	microRNA	ncRNA
chr19-114	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	1145608	1148001	+	0	NA	intron (N	intron (N	-14583	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr19-405	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	4056827	4057223	+	0	NA	intron (N	AluSz|SIN	8504	NM_001317	51341	Hs.591384	NM_015898	ENSG00000	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr19-144	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	14482645	14486932	+	0	NA	intron (N	AluSq2|SI	-9434	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr19-326	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	32618712	32620658	+	0	NA	intron (N	MIR3|SINE	-11216	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr19-394	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	39484441	39485647	+	0	NA	intron (N	AluSc|SIN	4206	NM_001329	92609	Hs.590956	NM_001001	ENSG00000	TIMM50	MGCA9|TIM	transloca	protein-coding
chr19-454	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr19	45417850	45418757	+	0	NA	intron (N	AluSx|SIN	5225	NM_001369	2067	Hs.435981	NM_001983	ENSG00000	ERCC1	COFS4|RAD	ERCC exci	protein-coding
chr2-4697	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr2	46979700	46982592	+	0	NA	intron (N	MER58D|DN	-39291	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-1125	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-19214	NR_136321	1.05E+08	Hs.599548	NR_136321		LOC105373	-	uncharact	ncRNA
chr2-2014	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	TTS (NM_C	TTS (NM_C	29576	NM_001206	55437	Hs.652338	NM_018571	ENSG00000	STRADB	ALS2CR2|C	STE20 rel	protein-coding
chr20-395	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr20	3953505	3954832	+	0	NA	intron (N	L1MB5|LIN	-36605	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr20-410	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr20	41076691	41077527	+	0	NA	intron (N	AluJr|SIN	48287	NM_003286	7150	Hs.472737	NM_003286	ENSG00000	TOP1	TOPI	DNA topoi	protein-coding
chr21-363	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr21	36324115	36325039	+	0	NA	intron (N	HAL1|LINE	4380	NM_015358	23515	Hs.421150	NM_015358	ENSG00000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr22-208	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	20833159	20834786	+	0	NA	intron (N	FLAM_C|SI	24839	NM_058004	5297	Hs.529438	NM_002650	ENSG00000	PI4KA	PI4K-ALPH	phosphati	protein-coding
chr22-317	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	31761158	31761860	+	0	NA	intron (N	intron (N	7486	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr22-387	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	38730328	38731500	+	0	NA	3' UTR (N	3' UTR (N	24552	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr22-457	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	45728940	45730151	+	0	NA	exon (NM_	exon (NM_	-30979	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr22-499	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	49913166	49913674	+	0	NA	exon (NM_	exon (NM_	5018	NM_024105	79087	Hs.526711	NM_024105	ENSG00000	ALG12	CDG1G|ECM	ALG12 alp	protein-coding
chr22-502	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr22	50209683	50214014	+	0	NA	intron (N	AluSq|SIN	10837	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr3-1643	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr3	16431134	16433918	+	0	NA	intron (N	AluJb|SIN	81173	NM_015150	23180	Hs.98910	NM_015150	ENSG00000	RFTN1	MIG2|PIB1	raftlin,	protein-coding
chr4-8677	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr4	86774290	86776837	+	0	NA	exon (NM_	exon (NM_	73821	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-1095	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx|SIN	25848	NR_030302	693161		NR_030302	ENSG00000	MIR576	MIRN576|h	microRNA	ncRNA
chr5-1375	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr5	13758810	13759387	+	0	NA	intron (N	intron (N	185382	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1063	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr6	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSz|SIN	1741	NR_104403	9474	Hs.486063	NM_004849	ENSG00000	ATG5	APG5|APG5	autophagy	protein-coding
chr6-1703	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJr|SIN	-3995	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr7-5306	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr7	5306620	5311684	+	0	NA	exon (NM_	exon (NM_	26209	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-7293	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr7	72936917	72937810	+	0	NA	intron (N	intron (N	17400	NR_033323	260294	Hs.510927	NM_148936	ENSG00000	NSUN5P2	NOL1R2|NS	NSUN5 pse	pseudo
chr8-9631	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr8	96310322	96312389	+	0	NA	intron (N	intron (N	49453	NM_014754	9791	Hs.292579	NM_014754	ENSG00000	PTDSS1	LMHD|PSS1	phosphati	protein-coding
chr8-1280	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	23101	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr8-1319	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	44047	NM_001323	23167	Hs.204564	NM_015137	ENSG00000	EFR3A	-	EFR3 homo	protein-coding
chr9-9207	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr9	92075908	92078223	+	0	NA	intron (N	HERVH-int	38348	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1101	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	41288	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1228	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz|SIN	10564	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr9-1278	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx|SIN	4732	NM_001018	2356	Hs.335084	NM_004957	ENSG00000	FPGS	-	folylpoly	protein-coding
chrX-1411	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chrX	1411410	1412863	+	0	NA	intron (N	intron (N	11605	NR_026710	80161	Hs.521856	NM_025091		ASMTL-AS1	ASMTL-AS|	ASMTL ant	ncRNA
chrX-1539	6.674256	0.148207	0.889644	0.166591	0.867692	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-7720	NR_046608	1.01E+08	Hs.682261	NR_046608		HCFC1-AS1	-	HCFC1 ant	ncRNA
chr1-1013	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	10134629	10136809	+	0	NA	intron (N	AluSg|SIN	-74851	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-1046	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	10461166	10462436	+	0	NA	3' UTR (N	3' UTR (N	10728	NM_213566	1676	Hs.484782	NM_004401	ENSG00000	DFFA	DFF-45|DF	DNA fragm	protein-coding
chr1-2755	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	27550654	27551959	+	0	NA	exon (NM_	exon (NM_	52188	NM_001029	27245	Hs.469280	NM_001029	ENSG00000	AHDC1	MRD25	AT-hook D	protein-coding
chr1-2833	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	28331043	28336017	+	0	NA	intron (N	intron (N	4490	NM_001127	54797	Hs.479911	NM_017638	ENSG00000	MED18	SRB5|p28b	mediator	protein-coding
chr1-5175	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	51752238	51752916	+	0	NA	5' UTR (N	5' UTR (N	22727	NM_148907	114883	Hs.21938	NM_024586	ENSG00000	OSBPL9	ORP-9|ORP	oxysterol	protein-coding
chr1-8466	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr1	84660603	84662784	+	0	NA	intron (N	intron (N	-26673	NR_027379	439927	Hs.407054	NM_001033	ENSG00000	LINC01555	C1orf180	long inte	ncRNA
chr10-794	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr10	79428873	79432762	+	0	NA	intron (N	intron (N	14807	NM_153367	219654	Hs.523080	NM_153367	ENSG00000	ZCCHC24	C10orf56|	zinc fing	protein-coding
chr10-119	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	3343	NR_039829	1.01E+08		NR_039829	ENSG00000	MIR4681	-	microRNA	ncRNA
chr11-751	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr11	751494	753477	+	0	NA	intron (N	MER21A|LT	5021	NM_006755	6888	Hs.438678	NM_006755	ENSG00000	TALDO1	TAL|TAL-H	transaldo	protein-coding
chr11-466	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr11	46668427	46670963	+	0	NA	intron (N	intron (N	30924	NM_004308	392	Hs.138860	NM_004308	ENSG00000	ARHGAP1	CDC42GAP|	Rho GTPas	protein-coding
chr11-672	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr11	67279412	67286907	+	0	NA	exon (NM_	exon (NM_	-6144	NM_207354	338692	Hs.438673	NM_207354	ENSG00000	ANKRD13D	-	ankyrin r	protein-coding
chr12-122	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	27446	NM_024667	79720	Hs.507162	NM_024667	ENSG00000	VPS37B	-	VPS37B su	protein-coding
chr13-455	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr13	45509191	45511087	+	0	NA	intron (N	intron (N	45200	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr13-482	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr13	48258179	48262560	+	0	NA	intron (N	L1PA7|LIN	27163	NM_021999	9445	Hs.643683	NM_021999	ENSG00000	ITM2B	ABRI|BRI|	integral	protein-coding
chr13-484	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr13	48459753	48462521	+	0	NA	intron (N	L1MB7|LIN	-16468	NM_005767	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr13-950	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr13	95078534	95079990	+	0	NA	intron (N	L4_C_Mam|	119221	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr14-759	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr14	75998071	76001221	+	0	NA	intron (N	L2c|LINE|	13883	NM_001255	112752	Hs.532626	NM_052873	ENSG00000	IFT43	C14orf179	intraflag	protein-coding

chr14-103	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSq|SIN	10222	NM_001302	84334	Hs.598441	NM_001302	ENSG00000	COA8	APOP|APOF	cytochrom	protein-coding
chr15-700	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr15	70068971	70072134	+	0	NA	intron (N	intron (N	8916	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr16-373	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	3733773	3738811	+	0	NA	intron (N	intron (N	-18768	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-211	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	21164201	21166146	+	0	NA	intron (N	intron (N	-5732	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr16-314	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	31497723	31500662	+	0	NA	intron (N	intron (N	9199	NM_022744	64755	Hs.9003	NM_022744	ENSG00000	C16orf58	RUS	chromosom	protein-coding
chr16-564	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	56457931	56463980	+	0	NA	intron (N	intron (N	8871	NM_001324	55239	Hs.231883	NM_018233	ENSG00000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr16-668	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	66807056	66808758	+	0	NA	intron (N	intron (N	-6287	NM_001136	283847	Hs.376505	NM_173616	ENSG00000	TERB1	CCDC79	telomere	protein-coding
chr16-897	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr16	89730226	89732439	+	0	NA	intron (N	AluSg|SIN	9795	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr17-606	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr17	60665047	60666833	+	0	NA	3' UTR (N	3' UTR (N	-11911	NM_001099	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr17-752	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr17	75231762	75234889	+	0	NA	intron (N	intron (N	27646	NM_024844	79902	Hs.362817	NM_024844	ENSG00000	NUP85	FROUNT|NF	nucleopor	protein-coding
chr18-130	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr18	13095003	13098729	+	0	NA	intron (N	intron (N	105504	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr19-305	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr19	3052736	3054077	+	0	NA	3' UTR (N	3' UTR (N	-5771	NM_001144	7089	Hs.332173	NM_003260	ENSG00000	TLE2	ESG|ESG2|	TLE famil	protein-coding
chr19-793	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr19	7935720	7938697	+	0	NA	intron (N	AluSx1|SI	6458	NM_006351	10469	Hs.465784	NM_006351	ENSG00000	TIMM44	TIM44	transloca	protein-coding
chr19-107	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr19	10772461	10774555	+	0	NA	intron (N	AluSx|SIN	-6746	NR_039903	1.01E+08		NR_039903	ENSG00000	MIR4748	mir-4748	microRNA	ncRNA
chr19-173	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr19	17317949	17322727	+	0	NA	3' UTR (N	3' UTR (N	10775	NM_024050	79016	Hs.466154	NM_024050	ENSG00000	DDA1	C19orf58|	DET1 and	protein-coding
chr19-193	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr19	19323917	19328756	+	0	NA	intron (N	AluJo|SIN	5507	NM_015329	23383	Hs.654939	NM_015329	ENSG00000	MAU2	KIAA0892|	MAU2 sist	protein-coding
chr2-3711	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	37116856	37117413	+	0	NA	intron (N	AluSx1|SI	30688	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|F	eukaryoti	protein-coding
chr2-6283	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	62831674	62834392	+	0	NA	intron (N	Tigger1|D	126136	NM_001354	23301	Hs.271667	NM_015252	ENSG00000	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-7110	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	71109230	71110684	+	0	NA	3' UTR (N	3' UTR (N	20272	NM_032601	84693	Hs.94949	NM_032601	ENSG00000	MCEE	GLOD2	methylmal	protein-coding
chr2-1121	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	3' UTR (N	3' UTR (N	-22085	NM_153214	129804	Hs.437696	NM_153214	ENSG00000	FBLN7	TM14	fibulin 7	protein-coding
chr2-1179	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	AluY|SINE	20841	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-cc	protein-coding
chr2-1213	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-111576	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBF	transcrip	protein-coding
chr2-1315	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx|SIN	9665	NR_026922	150776	Hs.535622	NR_026922	ENSG00000	LOC150776	-	sphingomy	pseudo
chr2-2010	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1M5|LINE	8152	NM_001257	4709	Hs.109760	NM_002491	ENSG00000	NDUFB3	B12|CI-B1	NADH:ubic	protein-coding
chr2-2030	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	L1MEc|LIN	54754	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr21-465	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr21	46502876	46504822	+	0	NA	intron (N	AluSx|SIN	41378	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr22-201	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr22	20112541	20115358	+	0	NA	TTS (NR_1	TTS (NR_1	802	NR_106874	1.02E+08		NR_106874	ENSG00000	MIR6816	hsa-mir-6	microRNA	ncRNA
chr3-4849	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr3	48495181	48496565	+	0	NA	intron (N	AluSz|SIN	8177	NM_001272	51246	Hs.414579	NM_016479	ENSG00000	SHISA5	SCOTIN	shisa fam	protein-coding
chr3-6398	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr3	63988662	63991664	+	0	NA	intron (N	intron (N	-13859	NR_038286	1.01E+08	Hs.152536	NR_038286	ENSG00000	PSMD6-AS2	-	PSMD6 ant	ncRNA
chr3-1192	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	-12522	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG00000	B4GALT4-A	-	B4GALT4 a	ncRNA
chr4-8566	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	856604	859474	+	0	NA	intron (N	L1MD|LINE	-31910	NM_006651	10815	Hs.478930	NM_006651	ENSG00000	CPLX1	CPX-I|CPX	complexin	protein-coding
chr4-2675	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	2675122	2676886	+	0	NA	intron (N	L1MB3|LIN	50572	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-7024	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	7024627	7025871	+	0	NA	exon (NM_	exon (NM_	17752	NM_153376	257236	Hs.656757	NM_153376	ENSG00000	CCDC96	-	coiled-cc	protein-coding
chr4-7305	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	73056544	73061795	+	0	NA	intron (N	intron (N	10547	NM_001297	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-7612	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	76120693	76123718	+	0	NA	intron (N	L1M5|LINE	26192	NM_017426	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr4-1186	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	-11244	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr4-1854	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	8653	NM_018359	55325	Hs.713548	NM_018359	ENSG00000	UFSP2	BHD|C4orf	UFM1 spec	protein-coding
chr5-2037	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr5	203763	205676	+	0	NA	3' UTR (N	3' UTR (N	13224	NM_001080	389257	Hs.103142	NM_001080	ENSG00000	LRRC14B	-	leucine r	protein-coding
chr5-3711	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr5	37112211	37115192	+	0	NA	intron (N	L1MEd|LIN	-135345	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1775	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	intron (N	AluSx3|SI	-17462	NM_016222	51428	Hs.484288	NM_016222	ENSG00000	DDX41	ABS|MPLPF	DEAD-box	protein-coding
chr6-1006	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA4|LIN	-177701	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr6-1600	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-36177	NR_047511	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr7-5702	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr7	5702133	5703590	+	0	NA	intron (N	intron (N	9049	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-1393	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr7	13930462	13931792	+	0	NA	intron (N	intron (N	55387	NM_001163	2115	Hs.22634	NM_004956	ENSG00000	ETV1	ER81	ETS varia	protein-coding
chr7-1079	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	MIRb|SINE	24891	NM_000108	1738	Hs.131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr7-1118	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	35969	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr7-1404	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	MER5A1|DN	18755	NM_013446	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr8-2240	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr8	22408364	22410475	+	0	NA	intron (N	AluSq|SIN	16583	NM_001351	23516	Hs.491232	NM_015359	ENSG00000	SLC39A14	HCIN|HMNI	solute ca	protein-coding
chr8-3350	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr8	33501212	33509236	+	0	NA	intron (N	AluSz|SIN	7911	NM_001330	80185	Hs.77135	NM_025115	ENSG00000	TTI2	C8orf41|M	TELO2 int	protein-coding
chr8-8643	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr8	86433546	86436219	+	0	NA	intron (N	intron (N	73804	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr9-7169	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr9	71697408	71697909	+	0	NA	intron (N	intron (N	70855	NM_001135	23670	Hs.494146	NM_013390	ENSG00000	CEMIP2	TMEM2	cell migr	protein-coding
chr9-1124	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	27819	NM_032303	84263	Hs.59486	NM_032303	ENSG00000	HSDL2	C9orf99|S	hydroxyst	protein-coding
chrX-1598	7.18656	0.143327	0.86071	0.166522	0.867747	0.981636	chrX	1598375	1603263	+	0	NA	exon (NM_	exon (NM_	5364	NM_004043	438	Hs.522572	NM_004043	ENSG00000	ASMT	ASMTY|HIO	acetylser	protein-coding
chr1-1200	9.657943	0.125096	0.751233	0.166521	0.867747	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	HERVL-int	67352	NM_024408	4853	Hs.487360	NM_024408	ENSG00000	NOTCH2	AGS2|HJCY	notch rec	protein-coding
chr16-844	9.657943	0.125096	0.751233	0.166521	0.867747	0.981636	chr16	84499692	84500736	+	0	NA	intron (N	L1MB5|LIN	4445	NM_020947	57707	Hs.288274	NM_020947	ENSG00000	MEAK7	KIAA1609|	MTOR assc	protein-coding
chr2-7488	9.657943	0.125096	0.751233	0.166521	0.867747	0.981636	chr2	74882819	74883800	+	0	NA	intron (N	intron (N	-25822	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr4-5702	9.657943	0.125096	0.751233	0.166521	0.867747	0.981636	chr4	57021556	57023016	+	0	NA	intron (N	intron (N	43390	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr5-3722	9.657943	0.125096	0.751233	0.166521	0.867747	0.981636	chr5	37226329	37227156	+	0	NA	exon (NM_	exon (NM_	-22304	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr1-7715	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr1	77159323	77160215	+	0	NA	intron (N	THE1B-int	59661	NM_005482	10026	Hs.178305	NM_005482	ENSG00000	PIGK	GPI8	phosphati	protein-coding
chr1-9269	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr1	92692759	92695368	+	0	NA	intron (N	AluSz|SIN	91045	NM_001350	7813	Hs.594434	NM_005665	ENSG00000	EVI5	EVI-5|NB4	ecotropic	protein-coding
chr1-1787	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	MIR3|SINE	61703	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr13-758	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr13	75855707	75857783	+	0	NA	intron (N	intron (N	-14293	NM_001257	729420	Hs.586820	NM_001257995		LMO7DN	C13orf45	LMO7 dowr	protein-coding
chr13-114	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-49041	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr15-297	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr15	29753750	29755373	+	0	NA	intron (N	intron (N	66113	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jur	protein-coding
chr16-235	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr16	23523744	23525768	+	0	NA	TTS (NM_0	TTS (NM_0	-14262	NM_015044	23062	Hs.460336	NM_015044	ENSG00000	GGA2	VEAR	golgi ass	protein-coding
chr17-803	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr17	80391720	80393824	+	0	NA	intron (N	AluSx1|SI	-22395	NR_148041	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr22-223	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr22	22304166	22305537	+	0	NA	intron (N	intron (N	6753	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr6-3031	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr6	30313544	30314061	+	0	NA	intron (N	MLT1F1|LT	12332	NR_052012	414778	Hs.485041	NR_052012	ENSG00000	HCG17	HCG18|LIN	HLA compl	ncRNA
chr6-1580	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	exon (NM_	exon (NM_	59663	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1589	7.921087	-0.13735	0.824861	-0.16652	0.86775	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	CpG	63762	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SF	WD repeat	protein-coding
chr7-9221	10.69041	0.119438	0.717968	0.166355	0.867878	0.981636	chr7	92211030	92213278	+	0	NA	intron (N	intron (N	-8056	NR_031616	1E+08		NR_031616	ENSG00000	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr1-1658	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	-16235	NR_037431	1.01E+08		NR_037431	ENSG00000	MIR3658	-	microRNA	ncRNA
chr11-128	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr11	1286199	1286792	+	0	NA	intron (N	intron (N	16295	NM_001318	54472	Hs.368527	NM_019009	ENSG00000	TOLLIP	IL-1RAcPI	toll inte	protein-coding
chr14-520	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr14	52064357	52065018	+	0	NA	intron (N	intron (N	4372	NM_007361	22795	Hs.369840	NM_007361	ENSG00000	NID2	NID-2	nidogen 2	protein-coding
chr15-230	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr15	23022114	23024890	+	0	NA	intron (N	L1ME4b|LI	16067	NM_001354	114791	Hs.533898	NM_052903	ENSG00000	TUBGCP5	GCP5	tubulin g	protein-coding
chr16-563	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr16	56392958	56393726	+	0	NA	intron (N	L1PA5|LIN	31647	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr19-275	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr19	2755052	2759140	+	0	NA	intron (N	intron (N	-17020	NM_213568	29985	Hs.515046	NM_144564	ENSG00000	SLC39A3	ZIP-3|ZIP	solute ca	protein-coding
chr2-1278	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	3907	NM_031445	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr20-472	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr20	47289299	47292759	+	0	NA	intron (N	MIRb|SINE	-27473	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr21-436	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr21	43688996	43690113	+	0	NA	intron (N	intron (N	-29575	NM_003681	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr22-238	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr22	23824577	23825501	+	0	NA	intron (N	intron (N	13967	NM_001135	91319	Hs.593679	NM_198440	ENSG00000	DERL3	C22orf14|	derlin 3	protein-coding
chr22-441	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr22	44126035	44126738	+	0	NA	intron (N	intron (N	-46570	NM_001137	64098	Hs.658995	NM_022141	ENSG00000	PARVG	-	parvin ga	protein-coding
chr3-1306	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	66238	NM_014602	30849	Hs.149032	NM_014602	ENSG00000	PIK3R4	VPS15|p15	phosphoin	protein-coding
chr4-1688	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	MER2|DNA|	13301	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-7704	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr5	77046645	77047670	+	0	NA	intron (N	MER2|DNA|	16753	NM_018046	55109	Hs.634849	NM_018046	ENSG00000	AGGF1	GPATC7|GF	angiogeni	protein-coding
chr5-1771	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	MER47A|DN	64811	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr7-1072	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	L1PA14|LI	75576	NM_012257	26959	Hs.162032	NM_012257	ENSG00000	HBP1	-	HMG-box t	protein-coding
chr8-6719	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr8	67193455	67195797	+	0	NA	intron (N	intron (N	110778	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr8-1443	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	2086	NM_001363	79581	Hs.6459	NM_024531	ENSG00000	SLC52A2	BVVLS2|D1	solute ca	protein-coding
chrX-1580	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chrX	15808775	15810353	+	0	NA	intron (N	intron (N	19113	NM_005089	8233	Hs.171909	NM_005089	ENSG00000	ZRSR2	U2AF1-RS2	zinc fing	protein-coding
chrX-1294	6.161953	0.153868	0.9251	0.166326	0.8679	0.981636	chrX	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	36002	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr3-1280	6.715396	0.15027	0.903823	0.166261	0.867952	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	21264	NR_046645	1.01E+08	Hs.581603	NR_046645	ENSG00000	RUVBL1-AS	-	RUVBL1 ar	ncRNA
chr1-2467	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	Intergeni	Intergeni	-13236	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr10-751	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr10	75168569	75169416	+	0	NA	intron (N	AluSg7|SI	-41162	NM_003375	7417	Hs.355927	NM_003375	ENSG00000	VDAC2	POR	voltage d	protein-coding
chr12-647	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr12	64749648	64752168	+	0	NA	intron (N	AluJr|SIN	8498	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr12-798	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr12	79843546	79844359	+	0	NA	intron (N	AluSg|SIN	69959	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr14-928	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr14	92839520	92841335	+	0	NA	TTS (NM_0	TTS (NM_0	46122	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr15-664	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr15	66443252	66444335	+	0	NA	intron (N	AluJb|SIN	53241	NR_039737	1.01E+08		NR_039737	ENSG00000	MIR4512	-	microRNA	ncRNA
chr16-675	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr16	67539275	67540719	+	0	NA	intron (N	intron (N	2535	NM_001193	79567	Hs.152717	NM_024519	ENSG00000	RIPOR1	FAM65A	RHO famil	protein-coding
chr16-720	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr16	72086346	72087112	+	0	NA	exon (NM_	exon (NM_	6891	NM_017853	54957	Hs.134406	NM_017853	ENSG00000	TXNL4B	DLP|Dim2	thioredox	protein-coding
chr16-857	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr16	85792334	85792889	+	0	NA	intron (N	intron (N	196	NR_135193	1.02E+08	Hs.662217	NR_135193	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-652	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr17	652023	654692	+	0	NA	exon (NM_	exon (NM_	61482	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-411	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr17	4110986	4113922	+	0	NA	intron (N	intron (N	30576	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-454	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr17	4546739	4553554	+	0	NA	exon (NM_	exon (NM_	5238	NM_014520	10514	Hs.22824	NM_014520	ENSG00000	MYBBP1A	P160|PAP2	MYB bindi	protein-coding
chr19-208	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr19	2084290	2085164	+	0	NA	intron (N	AluSg|SIN	11599	NM_130807	126308	Hs.744938	NM_130807	ENSG00000	MOB3A	MOB-LAK|M	MOB kinas	protein-coding
chr19-214	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr19	21403618	21406534	+	0	NA	intron (N	intron (N	7943	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr19-435	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr19	43591257	43594687	+	0	NA	exon (NM_	exon (NM_	3163	NM_001007	126298	Hs.6217	NM_001007	ENSG00000	IRGQ	FKSG27|IF	immunity	protein-coding
chr19-495	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr19	49555099	49559751	+	0	NA	intron (N	MIR|SINE|	23131	NM_001363	51070	Hs.7236	NM_015953	ENSG00000	NOSIP	CGI-25	nitric ox	protein-coding
chr2-1913	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	150671	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr22-497	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr22	49776752	49777662	+	0	NA	intron (N	CpG-19304	47124	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr3-3301	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr3	33011953	33017069	+	0	NA	intron (N	intron (N	62867	NM_005508	1233	Hs.184926	NM_005508	ENSG00000	CCR4	CC-CKR-4|	C-C motif	protein-coding
chr3-5766	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr3	57660191	57660615	+	0	NA	intron (N	AluJb|SIN	32674	NM_152678	201627	Hs.91085	NM_152678	ENSG00000	DENND6A	AFI1A|FAM	DENN doma	protein-coding
chr3-7360	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr3	73601133	73602244	+	0	NA	intron (N	intron (N	-21880	NR_046681	1.02E+08	Hs.733334	NR_046681		PDZRN3-AS	-	PDZRN3 ar	ncRNA
chr3-1977	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	AluSx|SIN	12944	NR_027840	84248	Hs.277533	NM_032288	ENSG00000	FYTTD1	UIF	forty-two	protein-coding
chr5-1772	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSx1|SI	44616	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr7-1008	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSx1|SI	-20762	NM_001363	56996	Hs.521087	NM_020246	ENSG00000	SLC12A9	CCC6|CIP1	solute ca	protein-coding
chr7-1050	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	Tigger2|D	69555	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr8-1442	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	3761	NM_005526	3297	Hs.530227	NM_005526	ENSG00000	HSF1	HSTF1	heat shoc	protein-coding
chr9-3306	7.698864	0.139099	0.836635	0.16626	0.867952	0.981636	chr9	33063144	33064298	+	0	NA	intron (N	MER1B|DNA	12953	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr1-1725	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	MSTA-int|	30935	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr11-659	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr11	65917719	65918270	+	0	NA	exon (NM_	exon (NM_	1068	NM_031450	83638	Hs.433573	NM_031450	ENSG00000	C11orf68	BLES03|P5	chromosom	protein-coding
chr11-686	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr11	68614203	68615776	+	0	NA	non-codin	non-codin	-69555	NM_015973	51083	Hs.278959	NM_015973	ENSG00000	GAL	ETL8|GAL-	galanin a	protein-coding
chr19-144	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr19	14478100	14480497	+	0	NA	intron (N	AluSq2|SI	-3944	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding

chr2-7395	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr2	73950495	73952046	+	0	NA	intron (N	intron (N	24390	NR_134898	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguar	protein-coding
chr7-1060	8.374686	-0.13389	0.805915	-0.16613	0.868054	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	3' UTR (N	3' UTR (N	20738	NM_182715	6856	Hs.80919	NM_006754	ENSG00000	SYPL1	H-SP1|SYF	synaptoph	protein-coding
chr12-131	9.706941	0.12516	0.75378	0.166043	0.868123	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	THE1B-int	32673	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr4-8677	9.706941	0.12516	0.75378	0.166043	0.868123	0.981636	chr4	86771553	86773204	+	0	NA	intron (N	AluSx|SIN	77006	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr1-1562	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJo|SIN	4173	NM_015327	23381	Hs.516837	NM_015327	ENSG00000	SMG5	EST1B|LPT	SMG5 nons	protein-coding
chr15-642	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr15	64201997	64205006	+	0	NA	intron (N	AluSp|SIN	-40346	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr16-148	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr16	14879138	14882035	+	0	NA	intron (N	AluSq2|SI	-20922	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr16-503	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr16	50363128	50363402	+	0	NA	intron (N	intron (N	5723	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CELT	bromodoma	protein-coding
chr2-6524	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr2	65242317	65243425	+	0	NA	intron (N	intron (N	15176	NM_001005	10097	Hs.643727	NM_005722	ENSG00000	ACTR2	ARP2	actin rel	protein-coding
chr2-9936	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr2	99367744	99370194	+	0	NA	intron (N	intron (N	31580	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr3-1970	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-21269	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAF	melanotra	protein-coding
chr5-6963	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr5	69639081	69639993	+	0	NA	TTS (NR_C	TTS (NR_C	8392	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr6-1766	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr6	17660223	17662475	+	0	NA	intron (N	intron (N	-44781	NR_134616	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr8-9425	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr8	94256034	94258812	+	0	NA	intron (N	AluSq2|SI	4896	NM_181702	2669	Hs.654463	NM_005261	ENSG00000	GEM	KIR	GTP bindi	protein-coding
chr9-1285	7.649867	0.139084	0.83764	0.166042	0.868124	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJb|SIN	-16637	NM_001195	6709	Hs.372331	NM_003127	ENSG00000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr1-1801	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	3381	NM_002826	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-1809	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	3' UTR (N	3' UTR (N	-21374	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr10-124	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr10	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	17716	NM_001322	4942	Hs.523332	NM_000274	ENSG00000	OAT	GACR|HOGA	ornithine	protein-coding
chr11-947	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr11	9477989	9480184	+	0	NA	intron (N	intron (N	18074	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-364	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr11	36489991	36490631	+	0	NA	exon (NM_	exon (NM_	19961	NM_145803	7189	Hs.444172	NM_004620	ENSG00000	TRAF6	MGC:3310|	TNF recep	protein-coding
chr14-594	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr14	59473922	59476096	+	0	NA	non-codin	non-codin	8566	NM_001331	112849	Hs.729061	NM_144581	ENSG00000	L3HYPDH	C14orf149	trans-L-3	protein-coding
chr16-224	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr16	224075	227541	+	0	NA	intron (N	(AAAAG)n|	3641	NM_018032	55692	Hs.16803	NM_018032	ENSG00000	LUC7L	LUC7B1|Lu	LUC7 like	protein-coding
chr16-865	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr16	86504529	86508278	+	0	NA	intron (N	intron (N	2457	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 ad	ncRNA
chr2-2411	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	-17926	NM_001001	50636	Hs.163909	NM_001001	ENSG00000	ANO7	D-TMPP|DT	anoctamin	protein-coding
chr22-298	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr22	29822396	29825847	+	0	NA	intron (N	AluJr|SIN	14153	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatin	protein-coding
chr3-1837	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	9106	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 an	ncRNA
chr5-6604	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr5	66042901	66045173	+	0	NA	intron (N	intron (N	-98464	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr5-1491	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	43349	NM_001370	22885	Hs.49688	NM_014945	ENSG00000	ABLIM3	HMFN1661	actin bin	protein-coding
chr6-1085	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	8737	NM_001455	2309	Hs.220950	NM_001455	ENSG00000	FOXO3	AF6q21|FK	forkhead	protein-coding
chr7-6451	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr7	64519654	64522994	+	0	NA	exon (NM_	exon (NM_	41747	NM_178558	340252	Hs.520886	NM_178558	ENSG00000	ZNF680	-	zinc fing	protein-coding
chr7-6680	9.194637	0.127643	0.768934	0.166	0.868157	0.981636	chr7	66806727	66809997	+	0	NA	3' UTR (N	3' UTR (N	36464	NR_003934	729156	Hs.709878	NR_003934	ENSG00000	GTF2IRD1P	-	GTF2I rep	pseudo
chr1-1145	8.211168	0.135419	0.816574	0.165838	0.868284	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	3' UTR (N	3' UTR (N	13757	NM_005872	10286	Hs.22960	NM_005872	ENSG00000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr17-496	8.211168	0.135419	0.816574	0.165838	0.868284	0.981636	chr17	49609877	49611072	+	0	NA	intron (N	AluSx|SIN	16115	NM_001370	8405	Hs.463382	NM_003563	ENSG00000	SPOP	BTBD32|TE	speckle t	protein-coding
chr22-413	8.211168	0.135419	0.816574	0.165838	0.868284	0.981636	chr22	41339181	41341945	+	0	NA	intron (N	L2c|LINE|	-26770	NM_001145	7008	Hs.181159	NM_003216	ENSG00000	TEF	-	TEF trans	protein-coding
chr1-9387	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr1	93876440	93877605	+	0	NA	exon (NM_	exon (NM_	2184	NM_014597	30836	Hs.85769	NM_014597	ENSG00000	DNTTIP2	ERBP|FCF2	deoxynucl	protein-coding
chr1-2132	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	L1PA4|LIN	163427	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr10-737	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr10	73746322	73756701	+	0	NA	intron (N	AluSx|SIN	7139	NM_004922	9632	Hs.81964	NM_004922	ENSG00000	SEC24C	-	SEC24 hom	protein-coding
chr11-117	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	THE1A|LTR	69845	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-107	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	7046	NM_012406	11108	Hs.506655	NM_012406	ENSG00000	PRDM4	PFM1	PR/SET do	protein-coding
chr14-572	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr14	57228306	57229018	+	0	NA	intron (N	L1PA7|LIN	40243	NM_006544	10640	Hs.743987	NM_006544	ENSG00000	EXOC5	HSEC10|PR	exocyst c	protein-coding
chr16-585	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr16	58543265	58547358	+	0	NA	intron (N	intron (N	3322	NR_002978	677827	Hs.688592	NR_002978	ENSG00000	SNORA46	ACA46	small nuc	snoRNA
chr19-534	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr19	53488826	53492017	+	0	NA	exon (NM_	exon (NM_	22688	NM_001004	126017	Hs.710780	NM_001004	ENSG00000	ZNF813	-	zinc fing	protein-coding
chr3-1192	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	3368	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG00000	B4GALT4-A	-	B4GALT4 a	ncRNA
chr7-2281	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr7	22816315	22818274	+	0	NA	intron (N	intron (N	5555	NM_019059	54543	Hs.112318	NM_019059	ENSG00000	TOMM7	TOM7	transloca	protein-coding
chr7-5610	10.1781	0.121393	0.732022	0.165832	0.868289	0.981636	chr7	56100198	56104249	+	0	NA	intron (N	intron (N	4253	NM_016139	51142	Hs.389996	NM_016139	ENSG00000	CHCHD2	C7orf17|M	coiled-co	protein-coding
chr1-1252	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr1	1252113	1257236	+	0	NA	3' UTR (N	3' UTR (N	-7952	NM_001014	388581	Hs.197613	NM_001014	ENSG00000	C1QTNF12	C1QDC2|C1	C1q and T	protein-coding
chr1-1651	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr1	1651837	1657720	+	0	NA	intron (N	AluY|SINE	4226	NM_033490	984	Hs.651228	NM_001787	ENSG00000	CDK11B	CDC2L1|CD	cyclin de	protein-coding
chr1-2286	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr1	22864907	22868803	+	0	NA	intron (N	AluSq2|SI	-3629	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr1-5281	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr1	52813736	52814458	+	0	NA	intron (N	AluSx1|SI	-28663	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr1-1799	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	31812	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr10-500	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr10	50082441	50087578	+	0	NA	intron (N	L1MC4|LIN	17055	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr11-445	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr11	44582493	44583423	+	0	NA	intron (N	intron (N	17295	NM_002231	3732	Hs.527778	NM_002231	ENSG00000	CD82	4F9|C33|C	CD82 mole	protein-coding
chr12-962	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr12	96202941	96203392	+	0	NA	intron (N	AluSx4|SI	8791	NM_005230	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr12-123	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSc5|SI	-40959	NR_073007	8099	Hs.433201	NM_004642	ENSG00000	CDK2AP1	DOC1|DORC	cyclin de	protein-coding
chr15-651	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr15	65115485	65120011	+	0	NA	3' UTR (N	3' UTR (N	-11389	NM_001163	390595	Hs.659256	NM_001163	ENSG00000	UBAP1L	UBAP-1L	ubiquitin	protein-coding
chr15-904	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr15	90471881	90478961	+	0	NA	intron (N	AluSz|SIN	-54502	NM_022769	64784	Hs.567572	NM_022769	ENSG00000	CRTC3	TORC-3|TC	CREB regu	protein-coding
chr16-235	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr16	23566140	23570500	+	0	NA	intron (N	AluSc|SIN	10593	NM_019116	56061	Hs.3459	NM_019116	ENSG00000	UBFD1	UBPH	ubiquitin	protein-coding
chr16-309	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr16	30959980	30966432	+	0	NA	intron (N	intron (N	5452	NM_014712	9739	Hs.297483	NM_014712	ENSG00000	SETD1A	KMT2F|Set	SET domai	protein-coding
chr16-564	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr16	56433966	56435020	+	0	NA	intron (N	intron (N	-8948	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr17-424	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr17	42473892	42482245	+	0	NA	intron (N	L1PA5|LIN	-16705	NR_049845	1.01E+08		NR_049845	ENSG00000	MIR548AT	-	microRNA	ncRNA
chr17-601	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr17	60195290	60198715	+	0	NA	intron (N	AluSz6|SI	34643	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr17-679	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr17	67943494	67949811	+	0	NA	intron (N	intron (N	46954	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr19-151	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr19	15116637	15120869	+	0	NA	intron (N	MLT1H|LTR	7033	NM_006844	10994	Hs.78880	NM_006844	ENSG00000	ILVBL	209L8|AHA	ilvB acet	protein-coding
chr19-351	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr19	35159141	35167008	+	0	NA	intron (N	MIR|SINE|	8339	NR_028406	53827	Hs.333418	NM_014164	ENSG00000	FXYD5	DYSAD|HSF	FXYD doma	protein-coding
chr19-399	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr19	39976869	39983979	+	0	NA	exon (NM_	exon (NM_	9259	NM_006503	5704	Hs.211594	NM_006503	ENSG00000	PSMC4	MIP224|RP	proteasom	protein-coding
chr19-470	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr19	47000334	47001321	+	0	NA	3' UTR (N	3' UTR (N	-19010	NM_002517	4861	Hs.79564	NM_002517	ENSG00000	NPAS1	MOP5|PASD	neuronal	protein-coding
chr2-3229	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr2	32294599	32295970	+	0	NA	intron (N	intron (N	17380	NM_032312	84272	Hs.468099	NM_032312	ENSG00000	YIPF4	FinGER4|N	Yip1 doma	protein-coding
chr2-7449	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr2	74490390	74492667	+	0	NA	exon (NM_	exon (NM_	8075	NM_001282	85474	Hs.516124	NM_001009	ENSG00000	LBX2	LP3727	ladybird	protein-coding
chr2-1274	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	40965	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr2-2298	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	Tigger3b|	94052	NM_001348	9320	Hs.572642	NM_004238	ENSG00000	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr20-521	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr20	52156959	52160035	+	0	NA	intron (N	AluSx|SIN	33282	NM_199426	55734	Hs.473082	NM_018197	ENSG00000	ZFP64	ZNF338	ZFP64 zin	protein-coding
chr22-467	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr22	46706847	46712248	+	0	NA	intron (N	L2a|LINE|	28705	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59H	ceramide	protein-coding
chr3-4786	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr3	47863977	47869164	+	0	NA	intron (N	AluSg|SIN	17015	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr4-1221	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz|SIN	29984	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|K	KIAA1109	protein-coding
chr5-2240	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr5	224017	243187	+	0	NA	exon (NM_	exon (NM_	15282	NM_004168	6389	Hs.440475	NM_004168	ENSG00000	SDHA	CMD1GG|FF	succinate	protein-coding
chr5-1130	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	26503	NM_152624	167227	Hs.443875	NM_152624	ENSG00000	DCP2	NUDT20	decapping	protein-coding
chr5-1423	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	HAL1|LINE	19853	NR_120664	1.02E+08	Hs.658945	NR_120664	ENSG00000	SPRY4-AS1	THCAT68	SPRY4 ant	ncRNA
chr5-1507	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3' UTR (N	3' UTR (N	-9900	NM_018047	55696	Hs.713564	NM_018047	ENSG00000	RBM22	Cwc2|ZC3H	RNA bindi	protein-coding
chr5-1635	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr5	1.64E+08	1.64E+08	+	0	NA	intron (N	AluJb|SIN	10239	NM_013283	27430	Hs.54642	NM_013283	ENSG00000	MAT2B	MAT-II|MA	methionin	protein-coding
chr6-7526	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr6	75269911	75271105	+	0	NA	intron (N	MLT1A|LTR	14284	NM_018247	55754	Hs.108530	NM_018247	ENSG00000	TMEM30A	C6orf67|C	transmemb	protein-coding
chr6-1437	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-65033	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr9-9506	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr9	95060806	95064896	+	0	NA	intron (N	intron (N	-2499	NR_106729	1.02E+08		NR_106729	ENSG00000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr9-9656	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr9	96561693	96562390	+	0	NA	intron (N	intron (N	4790	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr9-1296	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	TTS (NM_C	TTS (NM_C	5111	NM_177999	140459	Hs.125037	NM_017873	ENSG00000	ASB6	-	ankyrin r	protein-coding
chr9-1308	8.682333	0.130446	0.786882	0.165775	0.868334	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	12056	NM_198180	347148	Hs.660704	NM_198180	ENSG00000	QRFP	26RFa|P51	pyrogluta	protein-coding
chr11-467	9.137781	0.129268	0.780497	0.165622	0.868454	0.981636	chr11	46784228	46784615	+	0	NA	intron (N	intron (N	-21922	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr1-5244	5.649649	0.160477	0.968994	0.165612	0.868462	0.981636	chr1	52443904	52444769	+	0	NA	intron (N	intron (N	39734	NM_032864	84950	Hs.5301	NM_032284	ENSG00000	PRPF38A	PRP38A|Pr	pre-mRNA	protein-coding
chr8-1335	5.649649	0.160477	0.968994	0.165612	0.868462	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	L2b|LINE|	23683	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr4-7996	11.16157	0.116281	0.70271	0.165475	0.86857	0.981636	chr4	79964364	79965177	+	0	NA	intron (N	CpG	108459	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr7-1405	11.16157	0.116281	0.70271	0.165475	0.86857	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	40178	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr1-2168	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	21683914	21691555	+	0	NA	intron (N	intron (N	-18377	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|R	RAP1 GTPa	protein-coding
chr1-2207	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	22078260	22079595	+	0	NA	intron (N	intron (N	26218	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|C	cell divi	protein-coding
chr1-3912	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	39122390	39123565	+	0	NA	intron (N	intron (N	38810	NM_012090	23499	Hs.472475	NM_012090	ENSG00000	MACF1	ABP620|AC	microtubu	protein-coding
chr1-1784	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	-45778	NM_001170	84066	Hs.534501	NM_032126	ENSG00000	TEX35	C1orf49|T	testis ex	protein-coding
chr1-2415	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	L3|LINE|C	16359	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr1-2473	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	30418	NM_001329	84838	Hs.168677	NM_032752	ENSG00000	ZNF496	NIZP1|ZFP	zinc fing	protein-coding
chr10-501	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	50125388	50126910	+	0	NA	exon (NM_	exon (NM_	58195	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr10-918	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	91836652	91845209	+	0	NA	intron (N	intron (N	42504	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr10-924	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	92464752	92466614	+	0	NA	exon (NM_	exon (NM_	32078	NM_001322	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr10-976	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	97673810	97680536	+	0	NA	TTS (NM_C	TTS (NM_C	10068	NM_021732	60370	Hs.23918	NM_021732	ENSG00000	AVPI1	PP5395|VI	arginine	protein-coding
chr10-997	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	99718465	99728313	+	0	NA	intron (N	AluSp|SIN	-8845	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr10-100	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-5503	NR_144759	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr11-185	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr11	18569962	18570744	+	0	NA	exon (NM_	exon (NM_	9165	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr11-672	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr11	67215005	67221127	+	0	NA	intron (N	intron (N	-21948	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-702	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr11	70272876	70275351	+	0	NA	intron (N	intron (N	3413	NM_177423	8500	Hs.530749	NM_003626	ENSG00000	PPFIA1	LIP.1|LIP	PTPRF int	protein-coding
chr11-102	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-88429	NM_001165	330	Hs.127799	NM_001165	ENSG00000	BIRC3	AIP1|API2	baculovir	protein-coding
chr11-108	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJr|SIN	112621	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-688	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	6884804	6885925	+	0	NA	TTS (NR_C	TTS (NR_C	682	NR_033796	171220	Hs.661103	NR_033796	ENSG00000	DSTNP2	-	DSTN pseu	pseudo
chr12-909	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	9097948	9102449	+	0	NA	intron (N	intron (N	16031	NM_001347	2	Hs.88556	NM_000014	ENSG00000	A2M	A2MD|CPAM	alpha-2-m	protein-coding
chr12-214	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	21464115	21465625	+	0	NA	intron (N	L1PA4|LIN	26955	NM_001350	79912	Hs.709545	NM_024854	ENSG00000	PYROXD1	MFM8	pyridine	protein-coding
chr12-490	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	49021309	49028981	+	0	NA	intron (N	intron (N	-6369	NM_001206	5571	Hs.530862	NM_002733	ENSG00000	PRKAG1	AMPKG	protein k	protein-coding
chr12-501	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	50128984	50134747	+	0	NA	intron (N	AluJo|SIN	19629	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr12-504	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	50433563	50438332	+	0	NA	intron (N	AluJo|SIN	-20624	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr12-509	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	50989135	50991673	+	0	NA	intron (N	intron (N	18811	NM_001174	4891	Hs.505545	NM_000617	ENSG00000	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr12-986	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr12	98679780	98683977	+	0	NA	intron (N	intron (N	36578	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr13-950	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr13	95066158	95073103	+	0	NA	intron (N	L1MB3|LIN	109589	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr13-950	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr13	95073448	95075353	+	0	NA	intron (N	intron (N	114359	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr13-951	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr13	95183544	95188512	+	0	NA	intron (N	L1MC5|LIN	-24316	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-229	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	22900973	22902337	+	0	NA	3' UTR (N	3' UTR (N	17494	NM_001077	55147	Hs.4997	NM_018107	ENSG00000	RBM23	CAPERbeta	RNA bindi	protein-coding
chr14-229	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	22920434	22925785	+	0	NA	exon (NM_	exon (NM_	3653	NR_120599	1.01E+08	Hs.655707	NR_120599	ENSG00000	PRMT5-AS1	-	PRMT5 ant	ncRNA
chr14-313	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	31311780	31314617	+	0	NA	intron (N	intron (N	-105405	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-350	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	35094662	35096446	+	0	NA	intron (N	intron (N	14473	NR_110415	1.02E+08	Hs.617139	NR_110415	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-754	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	75436804	75440327	+	0	NA	intron (N	intron (N	6431	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding

chr14-920	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr14	92030509	92032792	+	0	NA	intron (N	Looper|DN	8409	NM_004239	9321	Hs.632339	NM_004239	ENSG00000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr15-430	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr15	43054253	43060609	+	0	NA	intron (N	intron (N	48607	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-633	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr15	63301809	63302675	+	0	NA	intron (N	intron (N	24637	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr15-643	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr15	64398305	64404554	+	0	NA	intron (N	AluSc8|SI	13593	NM_001321	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr15-654	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr15	65453189	65453942	+	0	NA	intron (N	AluSz|SIN	-30618	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOR	immunoglo	protein-coding
chr16-482	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr16	4820639	4827078	+	0	NA	exon (NM_	exon (NM_	-20908	NM_024589	79641	Hs.459795	NM_024589	ENSG00000	ROGDI	KTZS	rogdi aty	protein-coding
chr16-909	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr16	9092694	9098360	+	0	NA	intron (N	intron (N	3883	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr16-118	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr16	11887150	11892531	+	0	NA	intron (N	AluSx1|SI	26116	NM_002094	2935	Hs.528780	NM_002094	ENSG00000	GSPT1	551G9.2|E	G1 to S p	protein-coding
chr16-466	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr16	46659729	46664689	+	0	NA	intron (N	intron (N	26969	NM_018206	55737	Hs.454528	NM_018206	ENSG00000	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr16-694	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr16	69426524	69433695	+	0	NA	intron (N	intron (N	5514	NM_030579	80777	Hs.461131	NM_030579	ENSG00000	CYB5B	CYB5-M|CY	cytochrom	protein-coding
chr17-247	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	2476327	2476769	+	0	NA	intron (N	L2|LINE|L	35340	NM_024086	79066	Hs.632237	NM_024086	ENSG00000	METTL16	METT10D	methyltra	protein-coding
chr17-295	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	29509461	29512915	+	0	NA	intron (N	intron (N	55849	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-296	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	29668354	29672283	+	0	NA	intron (N	LTR89|LTR	-48895	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr17-318	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	31887681	31896330	+	0	NA	intron (N	AluSg|SIN	9703	NM_018428	55813	Hs.589862	NM_018428	ENSG00000	UTP6	C17orf40|	UTP6 smal	protein-coding
chr17-619	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	61965712	61966744	+	0	NA	intron (N	intron (N	-38246	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr17-829	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr17	82943566	82945539	+	0	NA	3’ UTR (N	3’ UTR (N	62436	NR_135466	146712	Hs.607824	NM_001009	ENSG00000	B3GNTL1	3-Gn-T8|B	UDP-GlcNA	protein-coding
chr18-633	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr18	63348132	63362600	+	0	NA	intron (N	intron (N	11840	NM_002035	2531	Hs.74050	NM_002035	ENSG00000	KDSR	DHSR|EKVP	3-ketodih	protein-coding
chr19-189	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr19	18931989	18936479	+	0	NA	intron (N	intron (N	4815	NM_001145	9454	Hs.720208	NM_004838	ENSG00000	HOMER3	HOMER-3|V	homer sca	protein-coding
chr19-467	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr19	46720401	46730513	+	0	NA	intron (N	intron (N	-8330	NM_016457	25865	Hs.466987	NM_016457	ENSG00000	PRKD2	HSPC187|P	protein k	protein-coding
chr19-496	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr19	49615817	49619224	+	0	NA	intron (N	AluJo|SIN	22623	NM_006270	6237	Hs.515536	NM_006270	ENSG00000	RRAS	R-Ras	RAS relat	protein-coding
chr19-526	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr19	52633752	52634893	+	0	NA	intron (N	intron (N	4069	NM_001105	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr2-3935	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	39358403	39361300	+	0	NA	intron (N	THE1C-int	77434	NM_003618	8491	Hs.655750	NM_003618	ENSG00000	MAP4K3	GLK|MAPKK	mitogen-a	protein-coding
chr2-4420	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	44209245	44210398	+	0	NA	intron (N	intron (N	40946	NM_002706	5495	Hs.416769	NM_002706	ENSG00000	PPM1B	PP2C-beta	protein p	protein-coding
chr2-9509	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	95099703	95106190	+	0	NA	intron (N	intron (N	18611	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochond	protein-coding
chr2-1098	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSc|SIN	-48963	NR_038099	1E+08	Hs.535619	NM_001205	ENSG00000	LIMS4	LIMS3L	LIM zinc	protein-coding
chr2-1914	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	exon (NM_	exon (NM_	178446	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr2-1974	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	12696	NM_001320	80219	Hs.606592	NM_025147	ENSG00000	COQ10B	-	coenzyme	protein-coding
chr2-2238	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSz|SIN	45647	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr20-321	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr20	32156474	32159420	+	0	NA	exon (NM_	exon (NM_	32413	NR_002781	128854	Hs.647447	NR_002781	ENSG00000	TSPY26P	TSPYL3|bA	testis sp	pseudo
chr20-328	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr20	32833782	32834708	+	0	NA	intron (N	AluJo|SIN	14291	NM_012325	22919	Hs.472437	NM_012325	ENSG00000	MAPRE1	EB1	microtubu	protein-coding
chr20-351	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr20	35125392	35127704	+	0	NA	intron (N	MIR|SINE|	20788	NM_001145	55741	Hs.720177	NM_018217	ENSG00000	EDEM2	C20orf31|	ER degrad	protein-coding
chr20-385	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr20	38517636	38518835	+	0	NA	intron (N	intron (N	1672	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR548O2	-	microRNA	ncRNA
chr21-370	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr21	37095291	37098998	+	0	NA	intron (N	intron (N	14197	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr22-295	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr22	29545795	29548932	+	0	NA	intron (N	THE1A-int	6292	NM_001002	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr3-1258	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr3	12588819	12592567	+	0	NA	intron (N	intron (N	33606	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|F	makorin r	protein-coding
chr3-4906	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr3	49067280	49077573	+	0	NA	intron (N	AluSx3|SI	21206	NM_001320	54870	Hs.297389	NM_017730	ENSG00000	QRICH1	AB-DIP|VE	glutamine	protein-coding
chr3-4933	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr3	49333287	49337131	+	0	NA	intron (N	intron (N	4844	NM_001251	7375	Hs.77500	NM_003363	ENSG00000	USP4	UNP|Unph	ubiquitin	protein-coding
chr3-1294	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	5454	NM_001276	8930	Hs.35947	NM_003925	ENSG00000	MBD4	MED1	methyl-Cp	protein-coding
chr3-1809	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	36235	NM_001363	8087	Hs.478407	NM_005087	ENSG00000	FXR1	FXR1P	FMR1 auto	protein-coding
chr4-1691	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	1691653	1696359	+	0	NA	intron (N	intron (N	-9693	NM_001174	152877	Hs.143314	NM_001013	ENSG00000	FAM53A	DNTNP	family wi	protein-coding
chr4-1506	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	15061188	15064664	+	0	NA	intron (N	intron (N	60445	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr4-2538	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	25388616	25398970	+	0	NA	intron (N	intron (N	16530	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-3976	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	39769536	39770699	+	0	NA	intron (N	CpG	71981	NM_001111	3093	Hs.50308	NM_005339	ENSG00000	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr4-5696	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	56965898	56970191	+	0	NA	intron (N	AluSz|SIN	9562	NM_032313	84273	Hs.8715	NM_032313	ENSG00000	NOA1	C4orf14|N	nitric ox	protein-coding
chr4-1836	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	MIR|SINE|	36968	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr5-1040	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr5	10409698	10414478	+	0	NA	intron (N	intron (N	9724	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-1291	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr5	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9540	NR_039776	1.01E+08		NR_039776	ENSG00000	MIR4633	-	microRNA	ncRNA
chr5-1505	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	44698	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding
chr6-1108	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	15525	NM_001287	262	Hs.159118	NM_001634	ENSG00000	AMD1	ADOMETDC|	adenosylm	protein-coding
chr6-1260	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr6	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	24999	NM_001031	60487	Hs.404186	NM_021820	ENSG00000	TRMT11	C6orf75|M	tRNA meth	protein-coding
chr6-1279	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-50803	NR_125849	1.02E+08	Hs.656779	NR_125849		LOC101928	-	uncharact	ncRNA
chr6-1703	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	promoter-	promoter-	9	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr7-2319	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr7	23199335	23200488	+	0	NA	intron (N	intron (N	17863	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr7-4457	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr7	44578466	44580986	+	0	NA	TTS (NM_0	TTS (NM_0	2505	NM_182547	222068	Hs.598832	NM_182547	ENSG00000	TMED4	ERS25|GMF	transmemb	protein-coding
chr8-9765	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr8	9765583	9766993	+	0	NA	exon (NM_	exon (NM_	24616	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr8-2253	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr8	22532945	22534708	+	0	NA	intron (N	AluSx1|SI	-18101	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin an	protein-coding
chr8-2871	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr8	28716364	28717158	+	0	NA	exon (NM_	exon (NM_	15260	NR_073469	2137	Hs.491354	NM_001440	ENSG00000	EXTL3	BOTV|EXTL	exostosin	protein-coding
chr8-1023	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	65330	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-3325	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr9	33251687	33262083	+	0	NA	exon (NM_	exon (NM_	7823	NM_001172	573	Hs.377484	NM_004323	ENSG00000	BAG1	BAG-1|HAP	BCL2 asso	protein-coding
chr9-9349	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr9	93497600	93500159	+	0	NA	exon (NM_	exon (NM_	-45278	NR_136229	158293	Hs.350364	NM_198841	ENSG00000	FAM120AOS	C9orf109	family wi	protein-coding
chr9-1369	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4037	NM_018998	54461	Hs.522507	NM_018998	ENSG00000	FBXW5	Fbw5	F-box and	protein-coding
chrX-1595	8.170029	0.133615	0.8082	0.165325	0.868689	0.981636	chrX	1595778	1597174	+	0	NA	intron (N	intron (N	1021	NM_004043	438	Hs.522572	NM_004043	ENSG00000	ASMT	ASMTY|HIO	acetylser	protein-coding
chr10-120	8.723472	0.132202	0.799796	0.165294	0.868712	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	54629	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr12-102	8.723472	0.132202	0.799796	0.165294	0.868712	0.981636	chr12	1027845	1028327	+	0	NA	exon (NM_	exon (NM_	338	NM_001301	23085	Hs.601216	NM_178039	ENSG00000	ERC1	Cast2|ELK	ELKS/RAB6	protein-coding
chr2-7113	8.723472	0.132202	0.799796	0.165294	0.868712	0.981636	chr2	71133229	71133714	+	0	NA	exon (NM_	exon (NM_	2837	NM_005791	10199	Hs.656208	NM_005791	ENSG00000	MPHOSPH10	CT90|MPP1	M-phase p	protein-coding
chr4-6852	8.723472	0.132202	0.799796	0.165294	0.868712	0.981636	chr4	6852164	6853076	+	0	NA	intron (N	intron (N	-56824	NM_001113	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr9-9208	8.723472	0.132202	0.799796	0.165294	0.868712	0.981636	chr9	92086912	92088384	+	0	NA	intron (N	L1PA3|LIN	27765	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr2-5591	9.145639	0.127618	0.772546	0.165191	0.868793	0.981636	chr2	55910914	55911159	+	0	NA	intron (N	MamSINE1|	12746	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr3-3850	9.145639	0.127618	0.772546	0.165191	0.868793	0.981636	chr3	38506789	38507471	+	0	NA	intron (N	L2c|LINE|	10790	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endon	protein-coding
chr1-1794	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	1794083	1799700	+	0	NA	intron (N	intron (N	-16860	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-1116	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	11166810	11167459	+	0	NA	intron (N	L1PA5|LIN	-22221	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-1195	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	11957930	11960128	+	0	NA	intron (N	AluSq2|SI	-21152	NM_014874	9927	Hs.376681	NM_014874	ENSG00000	MFN2	CMT2A|CMT	mitofusin	protein-coding
chr1-4635	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	46352722	46357541	+	0	NA	intron (N	MIRb|SINE	13953	NM_001256	387338	Hs.163424	NM_199044	ENSG00000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr1-5866	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	58666312	58674738	+	0	NA	intron (N	L3|LINE|C	29537	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr1-7575	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	75754011	75755873	+	0	NA	intron (N	L1P2|LINE	-9929	NR_130749	1744	Hs.525459	NR_130749		DLSTP1	DLSTP	dihydroli	pseudo
chr1-1087	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MA3|LIN	28620	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-1139	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	3194	NM_181358	204851	Hs.532363	NM_152696	ENSG00000	HIPK1	Myak|Nbak	homeodoma	protein-coding
chr1-1199	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-56313	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr10-217	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr10	21742074	21743241	+	0	NA	non-codin	non-codin	208485	NM_001195	8028	Hs.30385	NM_004641	ENSG00000	MLLT10	AF10	MLLT10 hi	protein-coding
chr10-678	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr10	67888775	67896438	+	0	NA	intron (N	AluSx1|SI	1204	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-689	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr10	68946836	68950335	+	0	NA	Intergeni	Intergeni	-7585	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDB	DExD-box	protein-coding
chr10-100	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	7309	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr10-126	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	95184	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|d	dedicator	protein-coding
chr11-300	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr11	3003451	3008079	+	0	NA	intron (N	AluSx|SIN	-13436	NM_001369	4676	Hs.731784	NM_005969	ENSG00000	NAP1L4	NAP1L4b|N	nucleosom	protein-coding
chr11-666	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr11	66617956	66629968	+	0	NA	intron (N	intron (N	7332	NM_006328	10432	Hs.533712	NM_006328	ENSG00000	RBM14	COAA|PSP2	RNA bindi	protein-coding
chr12-661	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr12	66125914	66128543	+	0	NA	intron (N	L1MB5|LIN	3522	NM_032338	84298	Hs.504820	NM_032338	ENSG00000	LLPH	C12orf31|	LLP homol	protein-coding
chr12-108	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	21817	NM_007076	11153	Hs.661891	NM_007076	ENSG00000	FICD	HIP13|HYP	FIC domai	protein-coding
chr12-110	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	19578	NM_001244	5501	Hs.79081	NM_002710	ENSG00000	PPP1CC	PP-1G|PP1	protein p	protein-coding
chr13-946	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr13	94605202	94607572	+	0	NA	intron (N	intron (N	4530	NM_180989	160897	Hs.439363	NM_180989	ENSG00000	GPR180	ITR	G protein	protein-coding
chr13-950	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr13	95020773	95021783	+	0	NA	3’ UTR (N	3’ UTR (N	61237	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr13-951	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr13	95150905	95152815	+	0	NA	intron (N	intron (N	-58484	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-590	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr15	59056224	59061980	+	0	NA	intron (N	AluJb|SIN	-46044	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr15-772	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr15	77235727	77238044	+	0	NA	intron (N	THE1C|LTR	-11481	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr16-577	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr16	57792276	57795335	+	0	NA	intron (N	AluSx|SIN	4212	NM_001130	3801	Hs.23131	NM_005550	ENSG00000	KIFC3	-	kinesin f	protein-coding
chr16-847	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr16	84762776	84764257	+	0	NA	intron (N	L1ME2z|LI	-56469	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|I	cysteine	protein-coding
chr17-164	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr17	16426301	16429280	+	0	NA	intron (N	intron (N	-11197	NR_045025	125144	Hs.368934	NM_152350	ENSG00000	SNHG29	C17orf45|	small nuc	ncRNA
chr17-403	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr17	40355312	40356501	+	0	NA	intron (N	intron (N	8831	NM_152219	125111	Hs.444663	NM_152219	ENSG00000	GJD3	CX31.9|Cx	gap junct	protein-coding
chr19-394	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr19	39415300	39424661	+	0	NA	intron (N	AluSp|SIN	6201	NM_001351	64857	Hs.631574	NM_022835	ENSG00000	PLEKHG2	ARHGEF42|	pleckstri	protein-coding
chr19-519	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr19	51929880	51932277	+	0	NA	intron (N	intron (N	3606	NM_024840	79898	Hs.183390	NM_024840	ENSG00000	ZNF613	-	zinc fing	protein-coding
chr2-3857	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	38570917	38571642	+	0	NA	intron (N	MER44A|DN	31649	NM_138394	92906	Hs.445497	NM_138394	ENSG00000	HNRNPLL	HNRPLL|SR	heteroger	protein-coding
chr2-6912	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	69122988	69127854	+	0	NA	intron (N	MER5B|DNA	21739	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-1135	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-13119	NR_026821	654412	Hs.640260	NR_026821	ENSG00000	FAM138B	F379|bA39	family wi	ncRNA
chr2-1327	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-54258	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr2-1527	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	3231	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr2-2153	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	25983	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr2-2247	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-179499	NM_001257	8452	Hs.372286	NM_003590	ENSG00000	CUL3	CUL-3|PHA	cullin 3	protein-coding
chr2-2349	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	16107	NM_001371305								
chr20-213	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr20	21346763	21350519	+	0	NA	intron (N	AluY|SINE	45143	NM_001317	22803	Hs.255932	NM_012255	ENSG00000	XRN2	-	5’-3’ exo	protein-coding
chr20-328	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr20	32836129	32841332	+	0	NA	intron (N	intron (N	18776	NM_012325	22919	Hs.472437	NM_012325	ENSG00000	MAPRE1	EB1	microtubu	protein-coding
chr20-373	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr20	37316067	37317888	+	0	NA	3’ UTR (N	3’ UTR (N	27322	NM_001369	63905	Hs.6126	NM_022077	ENSG00000	MANBAL	-	mannosida	protein-coding
chr21-363	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr21	36356904	36358115	+	0	NA	intron (N	FLAM_C|SI	-27883	NM_005441	8208	Hs.75238	NM_005441	ENSG00000	CHAF1B	CAF-1|CAF	chromatin	protein-coding
chr21-437	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr21	43746004	43747095	+	0	NA	intron (N	AluSz6|SI	5063	NM_001331	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr22-503	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr22	50377838	50379330	+	0	NA	intron (N	AluSp|SIN	-28858	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr3-1017	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA7|LIN	12081	NM_024548	79598	Hs.444135	NM_024548	ENSG00000	CEP97	2810403B0	centrosom	protein-coding
chr3-1018	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MA4|LIN	-23925	NM_001005	64332	Hs.319171	NM_031419	ENSG00000	NFKBIZ	IKBZ|INAP	NFKB inhi	protein-coding
chr5-3152	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr5	31525859	31528708	+	0	NA	intron (N	intron (N	4810	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-4329	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr5	43296437	43298764	+	0	NA	intron (N	AluSq2|SI	15581	NM_001324	3157	Hs.397729	NM_002130	ENSG00000	HMGCS1	HMGCS	3-hydroxy	protein-coding
chr5-1484	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	32392	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr5-1723	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	HERVK11-i	56569	NM_001308	285590	Hs.285666	NM_001017	ENSG00000	SH3PXD2B	FAD49|FTH	SH3 and P	protein-coding
chr6-2890	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr6	28909672	28915207	+	0	NA	intron (N	L1MC4a|LI	11546	NM_006510	5987	Hs.440382	NM_006510	ENSG00000	TRIM27	RFP|RNF76	tripartit	protein-coding
chr6-4336	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr6	43362692	43364171	+	0	NA	intron (N	intron (N	6216	NM_014345	24149	Hs.509718	NM_014345	ENSG00000	ZNF318	HRIHFB243	zinc fing	protein-coding
chr6-1110	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	SVA_C|Ret	30687	NR_002932	442245	Hs.551627	NR_002932		GSTM2P1	-	glutathio	pseudo
chr6-1335	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (N	L3|LINE|C	274463	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding

chr7-5336	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	5336088	5338152	+	0	NA	intron (N	L1MEf|LIN	54177	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-4442	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	44425534	44426399	+	0	NA	intron (N	intron (N	64692	NM_015332	23386	Hs.488171	NM_015332	ENSG00000	NUDCD3	NudCL	NudC doma	protein-coding
chr7-4740	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	47407228	47415149	+	0	NA	intron (N	intron (N	53615	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-4752	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	47523670	47530587	+	0	NA	intron (N	AluY|SINE	54983	NM_022748	64759	Hs.520814	NM_022748	ENSG00000	TNS3	TEM6|TENS	tensin 3	protein-coding
chr7-7440	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	74400222	74405354	+	0	NA	intron (N	intron (N	-51118	NM_005685	9569	Hs.647056	NM_005685	ENSG00000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr7-1390	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	8267	NM_080660	92092	Hs.512833	NM_080660	ENSG00000	ZC3HAV1L	C7orf39	zinc fing	protein-coding
chr8-8325	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr8	8325191	8329601	+	0	NA	intron (N	AluSx|SIN	58848	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr8-2809	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr8	28098055	28099899	+	0	NA	intron (N	intron (N	5838	NM_001284	55140	Hs.491336	NM_018091	ENSG00000	ELP3	KAT9	elongator	protein-coding
chr8-5856	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr8	58566400	58570089	+	0	NA	intron (N	Tigger3b|	14983	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr8-9771	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr8	97717900	97725618	+	0	NA	intron (N	intron (N	-54029	NM_018407	55353	Hs.492314	NM_018407	ENSG00000	LAPTM4B	LAPTM4bet	lysosomal	protein-coding
chr9-3248	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chr9	32483688	32488522	+	0	NA	intron (N	intron (N	40091	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chrX-2405	7.913229	-0.13562	0.821213	-0.16514	0.868834	0.981636	chrX	24056436	24078803	+	0	NA	intron (N	AluSx|SIN	12663	NM_001415	1968	Hs.539684	NM_001415	ENSG00000	EIF2S3	EIF2|EIF2	eukaryoti	protein-coding
chr1-2114	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr1	21148198	21149099	+	0	NA	intron (N	AluY|SINE	19391	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr10-272	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr10	27210285	27210681	+	0	NA	intron (N	AluSx1|SI	30003	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr11-614	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr11	61408031	61422395	+	0	NA	intron (N	AluSz|SIN	14698	NM_024811	79869	Hs.718984	NM_024811	ENSG00000	CPSF7	CFIm59	cleavage	protein-coding
chr11-627	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr11	62733239	62735793	+	0	NA	intron (N	AluSz|SIN	6030	NM_173810	283237	Hs.31704	NM_173810	ENSG00000	TTC9C	-	tetratric	protein-coding
chr11-116	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-35432	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr11-125	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	L2c|LINE|	5363	NM_001330	9538	Hs.643514	NM_004879	ENSG00000	EI24	EPG4|PIG8	EI24 autc	protein-coding
chr12-695	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr12	69573685	69574902	+	0	NA	exon (NM_	exon (NM_	-10430	NR_037476	1.01E+08		NR_037476	ENSG00000	MIR3913-2	mir-3913-	microRNA	ncRNA
chr13-331	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr13	33161157	33167586	+	0	NA	intron (N	intron (N	21720	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr17-213	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr17	21314609	21314976	+	0	NA	3’ UTR (N	3’ UTR (N	26756	NM_002756	5606	Hs.514012	NM_002756	ENSG00000	MAP2K3	MAPKK3|ME	mitogen-a	protein-coding
chr2-3644	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr2	36447653	36448176	+	0	NA	intron (N	intron (N	92136	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-1000	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr2	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	98386	NM_001025	3899	Hs.444414	NM_002285	ENSG00000	AFF3	LAF4|MLLT	AF4/FMR2	protein-coding
chr2-1018	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	MIRb|SINE	137827	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr20-385	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr20	38539825	38541622	+	0	NA	intron (N	intron (N	24160	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR548O2	-	microRNA	ncRNA
chr22-382	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr22	38214357	38214793	+	0	NA	exon (NM_	exon (NM_	10145	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr22-416	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr22	41648961	41655997	+	0	NA	intron (N	AluJo|SIN	31184	NM_001288	2547	Hs.292493	NM_001469	ENSG00000	XRCC6	CTC75|CTC	X-ray rep	protein-coding
chr3-1796	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	L1PA4|LIN	14928	NM_002492	4711	Hs.730674	NM_002492	ENSG00000	NDUFB5	CISGDH|SG	NADH:ubic	protein-coding
chr4-4457	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr4	445726	472931	+	0	NA	intron (N	L1PA7|LIN	14881	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr6-1324	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	Tigger12|	50019	NM_001326	8417	Hs.593148	NM_003569	ENSG00000	STX7	-	syntaxin	protein-coding
chr7-7759	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr7	77596545	77599590	+	0	NA	intron (N	AluJb|SIN	60024	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr7-1589	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	Intergeni	Intergeni	-57878	NR_024394	154822	Hs.544783	NM_198345	ENSG00000	LINC00689	-	long inte	ncRNA
chr8-1023	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	72504	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-5772	9.665801	0.123576	0.748535	0.16509	0.868873	0.981636	chr9	5772314	5774914	+	0	NA	intron (N	MIR3|SINE	59503	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr6-1611	7.467489	-0.14131	0.856148	-0.16506	0.868898	0.981636	chr6	1611727	1612641	+	0	NA	3’ UTR (N	3’ UTR (N	2269	NM_001453	2296	Hs.348883	NM_001453	ENSG00000	FOXC1	ARA|ASGD3	forkhead	protein-coding
chr15-514	12.6652	0.109579	0.664567	0.164887	0.869033	0.981636	chr15	51484595	51486318	+	0	NA	intron (N	intron (N	108210	NM_001330	342035	Hs.526441	NM_181789	ENSG00000	GLDN	CLOM|COLM	gliomedir	protein-coding
chr1-2085	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	20852739	20855651	+	0	NA	intron (N	intron (N	-67507	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-2444	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	24444535	24448249	+	0	NA	intron (N	L1PA11|LI	30367	NM_001322	57185	Hs.523442	NM_020448	ENSG00000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr1-2861	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	28614626	28615733	+	0	NA	intron (N	intron (N	22684	NM_001193	115273	Hs.652321	NM_152304	ENSG00000	RAB42	-	RAB42, me	protein-coding
chr1-5184	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	51846635	51847313	+	0	NA	intron (N	LTR12C|LT	-10572	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-6694	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	66948535	66948822	+	0	NA	TTS (NM_0	TTS (NM_0	18422	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr1-1558	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	11783	NM_032292	54856	Hs.656361	NM_032292	ENSG00000	GON4L	GON-4|GON	gon-4 lik	protein-coding
chr1-2444	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	intron (N	28694	NM_001126	159	Hs.498313	NM_001126	ENSG00000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr10-738	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr10	73801608	73804552	+	0	NA	exon (NM_	exon (NM_	-1681	NR_038357	1.01E+08	Hs.631828	NR_038357	ENSG00000	ZSWIM8-AS	-	ZSWIM8 ar	ncRNA
chr10-918	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr10	91813053	91815051	+	0	NA	intron (N	Tigger3b|	15626	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr10-974	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr10	97476771	97479170	+	0	NA	intron (N	intron (N	20452	NM_022362	64210	Hs.500721	NM_022362	ENSG00000	MMS19	CIAO4|MET	MMS19 hom	protein-coding
chr11-689	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr11	68921654	68923644	+	0	NA	intron (N	AluSx4|SI	18798	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglo	protein-coding
chr12-651	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr12	6519967	6524356	+	0	NA	intron (N	AluJr4|SI	11939	NR_004387	692148		NR_004387	ENSG00000	SCARNA10	U85	small Ca	ncRNA
chr12-490	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr12	49034133	49036283	+	0	NA	intron (N	MIRc|SINE	-16432	NM_001206	5571	Hs.530862	NM_002733	ENSG00000	PRKAG1	AMPKG	protein k	protein-coding
chr13-110	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	(GGA)n|Si	79657	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-928	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr14	92803260	92803780	+	0	NA	intron (N	L1M5|LINE	9215	NM_005113	9950	Hs.104320	NM_005113	ENSG00000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr15-286	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr15	28656577	28659536	+	0	NA	intron (N	intron (N	3614	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr15-485	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr15	48528657	48530879	+	0	NA	intron (N	intron (N	116020	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-651	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr15	65165037	65167137	+	0	NA	intron (N	intron (N	19255	NM_006660	10845	Hs.113823	NM_006660	ENSG00000	CLPX	EPP2	caseinoly	protein-coding
chr16-183	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr16	18375547	18376579	+	0	NA	intron (N	AluSx1|SI	3347	NR_107060	1.02E+08		NR_107060	ENSG00000	MIR6770-2	hsa-mir-6	microRNA	ncRNA
chr16-703	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr16	70325281	70328210	+	0	NA	intron (N	AluSx1|SI	20002	NR_039997	1.01E+08	Hs.635008	NR_039997	ENSG00000	LOC100506	-	uncharact	ncRNA
chr17-295	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr17	29529079	29536856	+	0	NA	intron (N	SVA_A|Ret	34070	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-498	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr17	49817297	49819288	+	0	NA	intron (N	intron (N	-27618	NM_001242	729220	Hs.434138	NM_001242791		FLJ45513	-	uncharact	protein-coding
chr18-959	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr18	9590891	9592664	+	0	NA	intron (N	intron (N	22782	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr19-422	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr19	42232652	42237157	+	0	NA	intron (N	AluSg|SIN	7698	NM_019884	2931	Hs.466828	NM_019884	ENSG00000	GSK3A	-	glycogen	protein-coding
chr2-6949	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr2	69498315	69499016	+	0	NA	intron (N	intron (N	21506	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-1739	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	51295	NM_001017	6670	Hs.531587	NM_003111	ENSG00000	SP3	SPR2	Sp3 trans	protein-coding
chr2-1893	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	Intergeni	LOR1-int|	-101345	NM_001303	84128	Hs.399984	NM_032168	ENSG00000	WDR75	NET16|UTP	WD repeat	protein-coding
chr2-2327	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	9023	NR_103495	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr22-314	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr22	31436466	31439555	+	0	NA	Intergeni	Intergeni	38406	NM_004147	4733	Hs.115242	NM_004147	ENSG00000	DRG1	NEDD3	developme	protein-coding
chr3-6995	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr3	69956888	69960814	+	0	NA	intron (N	MIRb|SINE	22251	NM_000248	4286	Hs.166017	NM_000248	ENSG00000	MITF	CMM8|COMM	melanocyt	protein-coding
chr3-1702	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	L1P4|LINE	54355	NM_002740	5584	Hs.478199	NM_002740	ENSG00000	PRKCI	DXS1179E|	protein k	protein-coding
chr3-1838	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-14624	NM_024871	79929	Hs.478465	NM_024871	ENSG00000	MAP6D1	MAPO6D1|S	MAP6 doma	protein-coding
chr4-4842	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr4	48421976	48423695	+	0	NA	3’ UTR (N	3’ UTR (N	-60508	NM_152679	201780	Hs.132591	NM_152679	ENSG00000	SLC10A4	P4	solute ca	protein-coding
chr4-1030	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L2a|LINE|	8865	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr5-2528	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr5	252893	253887	+	0	NA	intron (N	intron (N	18134	NR_104613	1.02E+08	Hs.368328	NR_104613		HRAT5	-	heart tis	ncRNA
chr5-3731	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr5	37312576	37315487	+	0	NA	intron (N	intron (N	57075	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr5-7552	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr5	75520729	75521165	+	0	NA	intron (N	L1M3f|LIN	-8966	NM_001130	10087	Hs.270437	NM_005713	ENSG00000	CERT1	CERT|CERT	ceramide	protein-coding
chr5-9052	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr5	90523818	90525113	+	0	NA	intron (N	intron (N	5119	NM_198273	116068	Hs.136235	NM_198273	ENSG00000	LYSMD3	-	LysM doma	protein-coding
chr6-1252	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	3699	NM_016063	51020	Hs.32826	NM_016063	ENSG00000	HDDC2	C6orf74|(	HD domain	protein-coding
chr7-3004	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr7	30049560	30050618	+	0	NA	intron (N	intron (N	5004	NM_001363	84725	Hs.233495	NM_032639	ENSG00000	PLEKHA8	FAPP2	pleckstri	protein-coding
chr7-8821	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr7	88213893	88217415	+	0	NA	intron (N	intron (N	-1006	NR_120517	1.03E+08	Hs.489040	NR_120517		LOC102723	-	uncharact	ncRNA
chr8-3829	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr8	38292187	38293162	+	0	NA	intron (N	AluY|SINE	-23442	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTP	phospholi	protein-coding
chr8-4316	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr8	43167701	43168154	+	0	NA	intron (N	AluY|SINE	27463	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr9-3636	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr9	36367768	36370710	+	0	NA	intron (N	intron (N	31030	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr9-6720	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr9	67203502	67204019	+	0	NA	intron (N	intron (N	144300	NR_111893	643827	Hs.521495	NM_001012280		CNTNAP3P2	-	CNTNAP3 p	pseudo
chr9-1103	7.657725	0.137209	0.833649	0.164588	0.869268	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA10|LI	-42821	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1931	11.68174	0.113457	0.689632	0.164519	0.869323	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	L2a|LINE|	-5294	NR_031691	1E+08		NR_031691	ENSG00000	MIR1278	MIRN1278|	microRNA	ncRNA
chr1-2710	5.186342	0.168148	1.022098	0.164513	0.869328	0.981636	chr1	27104295	27105020	+	0	NA	intron (N	AluJb|SIN	50468	NR_046474	6548	Hs.469116	NM_003047	ENSG00000	SLC9A1	APNH|LIKN	solute ca	protein-coding
chr7-1572	7.129705	0.145311	0.883288	0.164512	0.869328	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-73769	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr12-781	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr12	78112517	78113765	+	0	NA	intron (N	THE1C-int	246605	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-110	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	52364	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr16-149	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr16	14949702	14950240	+	0	NA	intron (N	intron (N	12528	NM_006985	9284	Hs.676266	NM_006985	ENSG00000	NPIPA1	NPIP|NPIP	nuclear p	protein-coding
chr2-1975	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	FLAM_C|SI	20698	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr20-362	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr20	36240541	36242515	+	0	NA	intron (N	AluSq2|SI	5050	NM_001271	25980	Hs.11314	NM_015511	ENSG00000	AAR2	C20orf4|(	AAR2 spli	protein-coding
chr3-4973	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr3	49731483	49733060	+	0	NA	intron (N	intron (N	-8297	NM_013334	29925	Hs.567488	NM_013334	ENSG00000	GMPPB	LGMDR19|M	GDP-manno	protein-coding
chr5-1296	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-61246	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chrX-4507	7.137563	0.143284	0.871167	0.164474	0.869358	0.981636	chrX	45079259	45079686	+	0	NA	intron (N	intron (N	121404	NM_176819	79742	Hs.98321	NM_024689	ENSG00000	DIPK2B	4930578C1	divergent	protein-coding
chr6-3072	14.09293	-0.10388	0.631741	-0.16443	0.869391	0.981636	chr6	30721745	30725245	+	0	NA	exon (NM_	exon (NM_	1857	NM_001293	203068	Hs.636480	NM_178014	ENSG00000	TUBB	CDCBM6|CS	tubulin b	protein-coding
chr12-950	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr12	95060374	95060866	+	0	NA	intron (N	AluSx1|SI	12998	NM_003297	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr2-2384	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	17884	NM_001040	51665	Hs.516788	NM_016114	ENSG00000	ASB1	ASB-1	ankyrin r	protein-coding
chr22-382	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr22	38236129	38237669	+	0	NA	intron (N	intron (N	-12179	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr3-1542	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	52040	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr5-1419	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	1976	NM_014773	9812	Hs.210532	NM_014773	ENSG00000	DELE1	DELE|KIAA	DAP3 binc	protein-coding
chr8-8991	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr8	89912192	89912775	+	0	NA	intron (N	AluSc|SIN	9913	NM_001126	734	Hs.436445	NM_004337	ENSG00000	OSGIN2	C8orf1|hT	oxidative	protein-coding
chr8-1300	8.366828	-0.13222	0.804141	-0.16442	0.8694	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-12920	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-2167	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	21679406	21680296	+	0	NA	intron (N	AluSq2|SI	-10494	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|F	RAP1 GTPa	protein-coding
chr1-2857	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	28573066	28574051	+	0	NA	intron (N	AluSx|SIN	5264	NR_003077	692212		NR_003077	ENSG00000	SNORD99	HBII-420	small nuc	snoRNA
chr1-3087	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	30876499	30877055	+	0	NA	exon (NM_	exon (NM_	31981	NM_014654	9672	Hs.158287	NM_014654	ENSG00000	SDC3	SDCN|SYND	syndecan	protein-coding
chr1-6543	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	65431384	65432598	+	0	NA	3’ UTR (N	3’ UTR (N	11275	NM_001198	54741	Hs.23581	NM_017526	ENSG00000	LEPROT	LEPR|OB-R	leptin re	protein-coding
chr1-1087	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	10375	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-2415	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr1	2.42E+08	2.42E+08	+	0	NA	intron (N	L1ME4a|LI	7009	NM_000143	2271	Hs.592490	NM_000143	ENSG00000	FH	FMRD|HLRC	fumarate	protein-coding
chr10-127	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	140132	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|c	dedicator	protein-coding
chr13-407	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr13	40758099	40759089	+	0	NA	intron (N	intron (N	12596	NM_005830	10240	Hs.596607	NM_005830	ENSG00000	MRPS31	IMOGN38|M	mitochond	protein-coding
chr13-950	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr13	95045989	95046822	+	0	NA	intron (N	intron (N	86364	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr15-204	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr15	20435308	20435683	+	0	NA	intron (N	intron (N	4992	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr17-395	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr17	39504439	39505608	+	0	NA	intron (N	AluSx3|SI	43537	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr2-3711	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr2	37113065	37114218	+	0	NA	intron (N	L1ME3G|LI	29190	NM_001278	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch c	protein-coding
chr20-469	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr20	4692769	4693771	+	0	NA	intron (N	L2a|LINE|	6814	NM_000311	5621	Hs.472010	NM_000311	ENSG00000	PRNP	ASCR|AltP	prion pro	protein-coding
chr20-137	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr20	13732848	13733437	+	0	NA	intron (N	AluSx|SIN	51744	NM_016649	51575	Hs.369284	NM_016649	ENSG00000	ESF1	ABTAP|C20	ESF1 nucl	protein-coding
chr3-1216	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	-31533	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr3-1419	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	MSTC|LTR|	46905	NM_001679	483	Hs.477789	NM_001679	ENSG00000	ATP1B3	ATPB-3|CD	ATPase Na	protein-coding
chr3-1697	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	10184	NM_001185	55892	Hs.507025	NM_018657	ENSG00000	MYNN	OSZF|SBBI	myoneurin	protein-coding
chr5-8738	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr5	87389219	87390959	+	0	NA	non-codin	non-codin	22815	NM_001199	902	Hs.292524	NM_001239	ENSG00000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr7-1060	7.410633	-0.14023	0.852896	-0.16442	0.869403	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	15908	NM_182715	6856	Hs.80919	NM_006754	ENSG00000	SYPL1	H-SP1|SYP	synaptoph	protein-coding
chr13-286	10.64927	0.118014	0.718228	0.164312	0.869485	0.981636	chr13	28660656	28671708	+	0	NA	intron (N	L3|LINE|C	7052	NM_015932	51371	Hs.268742	NM_015932	ENSG00000	POMP	C13orf12|	proteasom	protein-coding
chr13-495	7.459631	-0.13952	0.85019	-0.16411	0.869646	0.981636	chr13	49564581	49566614	+	0	NA	intron (N	SVA_F|Ret	19961	NM_001352	55213	Hs.508021	NM_018191	ENSG00000	RCBTB1	CLLD7|CLI	RCC1 and	protein-coding
chr13-524	7.459631	-0.13952	0.85019	-0.16411	0.869646	0.981636	chr13	52441292	52441750	+	0	NA	intron (N	AluSg|SIN	8723	NM_001282	51028	Hs.109520	NM_016075	ENSG00000	VPS36	C13orf9|(	vacuolar	protein-coding

chr16-502	7.459631	-0.13952	0.85019	-0.16411	0.869646	0.981636	chr16	50228775	50229648	+	0	NA	exon (NM_	exon (NM_	-37340	NM_001114	113	Hs.513578	NM_001114	ENSG00000	ADCY7	AC7	adenylate	protein-coding
chr4-1254	7.459631	-0.13952	0.85019	-0.16411	0.869646	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-90199	NR_031746	1E+08		NR_031746	ENSG00000	MIR2054	hsa-mir-2	microRNA	ncRNA
chr11-949	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr11	94963327	94972024	+	0	NA	intron (N	intron (N	5881	NM_016403	51503	Hs.503597	NM_016403	ENSG00000	CWC15	AD002|C11	CWC15 spl	protein-coding
chr13-110	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	21589	NM_017664	55608	Hs.525163	NM_017664	ENSG00000	ANKRD10	-	ankyrin r	protein-coding
chr14-103	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	60011	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr16-148	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr16	14853998	14856721	+	0	NA	intron (N	intron (N	21638	NM_014287	23420	Hs.743963	NM_014287	ENSG00000	NOMO1	Nomo|PM5	NODAL moc	protein-coding
chr16-533	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr16	53314371	53317092	+	0	NA	intron (N	AluSz|SIN	55481	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr16-693	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr16	69333491	69336473	+	0	NA	exon (NM_	exon (NM_	-4394	NM_022341	64146	Hs.130849	NM_022341	ENSG00000	PDF	-	peptide c	protein-coding
chr17-287	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr17	28746547	28751185	+	0	NA	intron (N	intron (N	4855	NM_004295	9618	Hs.8375	NM_004295	ENSG00000	TRAF4	CART1|MLN	TNF recep	protein-coding
chr17-312	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr17	31226353	31228557	+	0	NA	intron (N	intron (N	69784	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodenc	protein-coding
chr19-137	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr19	13777810	13779460	+	0	NA	3' UTR (N	3' UTR (N	4179	NM_014047	28974	Hs.231616	NM_014047	ENSG00000	C19orf53	HSPC023|I	chromosom	protein-coding
chr2-1053	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSq2|SI	4467	NM_001286	79074	Hs.549577	NM_024093	ENSG00000	C2orf49	asw	chromosom	protein-coding
chr2-1087	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	-31733	NM_001351	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-cc	protein-coding
chr2-1332	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-53216	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr2-1829	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	37788	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr20-372	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr20	37204307	37206027	+	0	NA	intron (N	intron (N	-25619	NM_213632	140699	Hs.349125	NM_152503	ENSG00000	MROH8	C20orf131	maestro h	protein-coding
chr4-1697	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr4	1697446	1699568	+	0	NA	intron (N	AluSc8|SI	13812	NM_001306	7884	Hs.298345	NM_006527	ENSG00000	SLBP	HBP	stem-loop	protein-coding
chr6-7248	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr6	7248722	7249782	+	0	NA	3' UTR (N	3' UTR (N	63947	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-4354	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr6	43549073	43551644	+	0	NA	intron (N	intron (N	25680	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr7-6672	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr7	66723109	66725981	+	0	NA	intron (N	AluSc|SIN	-16188	NM_001367	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr7-1003	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	L1ME3D|LI	-3515	NR_003613	5379	Hs.634244	NM_005394		PMS2P1	PMS2L1|PM	PMS1 homc	pseudo
chr7-1378	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-33788	NM_004717	9162	Hs.242947	NM_004717	ENSG00000	DGKI	DGK-IOTA	diacylgly	protein-coding
chr8-3044	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr8	30442358	30443954	+	0	NA	intron (N	intron (N	-57755	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr9-8631	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr9	86317560	86319678	+	0	NA	intron (N	intron (N	35791	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr9-1213	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	26574	NM_198194	2040	Hs.253903	NM_004099	ENSG00000	STOM	BND7|EPB7	stomatin	protein-coding
chr9-1228	9.153497	0.126014	0.767985	0.164085	0.869665	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	2880	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr1-3902	11.16943	0.114962	0.701764	0.163819	0.869874	0.981636	chr1	39028618	39032204	+	0	NA	intron (N	AluSx1|SI	4061	NM_004552	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubiq	protein-coding
chr1-1485	11.16943	0.114962	0.701764	0.163819	0.869874	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	7922	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr18-352	11.16943	0.114962	0.701764	0.163819	0.869874	0.981636	chr18	35293279	35308359	+	0	NA	intron (N	L1ME1|LIN	10547	NR_024566	10778	Hs.314246	NM_006629	ENSG00000	ZNF271P	CT-ZFP48|	zinc fing	pseudo
chr19-582	11.16943	0.114962	0.701764	0.163819	0.869874	0.981636	chr19	58282596	58296667	+	0	NA	intron (N	MLT1D|LTR	10665	NR_144447	1.09E+08	Hs.715293	NR_144447	ENSG00000	ZNF8-ERVK	-	ZNF8-ERVK	ncRNA
chr5-1634	11.16943	0.114962	0.701764	0.163819	0.869874	0.981636	chr5	1.63E+08	1.63E+08	+	0	NA	3' UTR (N	3' UTR (N	6428	NM_199246	900	Hs.79101	NM_004060	ENSG00000	CCNG1	CCNG	cyclin G1	protein-coding
chr10-923	5.121629	0.173539	1.059458	0.1638	0.869889	0.981636	chr10	92318998	92319407	+	0	NA	intron (N	Tigger3b|	28035	NM_017824	54708	Hs.573490	NM_017824	ENSG00000	5-Mar	MARCH-V|M	membrane	protein-coding
chr12-652	6.957035	-0.14466	0.884047	-0.16363	0.870022	0.981636	chr12	65220624	65221585	+	0	NA	intron (N	L1MB1|LIN	51521	NM_014319	23592	Hs.744150	NM_014319	ENSG00000	LEMD3	MAN1	LEM domai	protein-coding
chr15-636	6.957035	-0.14466	0.884047	-0.16363	0.870022	0.981636	chr15	63682214	63682539	+	0	NA	intron (N	MER68-int	-81549	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr9-1290	6.957035	-0.14466	0.884047	-0.16363	0.870022	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	25115	NR_163192	56904	Hs.460238	NM_020145	ENSG00000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chr1-1461	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	MLT2A1|LT	-17804	NM_001039	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr19-236	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr19	23660024	23663206	+	0	NA	intron (N	AluSx|SIN	25597	NM_138330	171392	Hs.264345	NM_138330	ENSG00000	ZNF675	TBZF|TIZ	zinc fing	protein-coding
chr22-428	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr22	42845270	42846950	+	0	NA	intron (N	intron (N	11163	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr4-5700	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr4	57004792	57007410	+	0	NA	intron (N	intron (N	27205	NM_000938	5431	Hs.602757	NM_000938	ENSG00000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr6-1703	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	18906	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr8-7065	10.18596	0.119968	0.733562	0.163542	0.870092	0.981636	chr8	70655678	70657591	+	0	NA	intron (N	L1PB1|LIN	12551	NM_016027	51110	Hs.118554	NM_016027	ENSG00000	LACTB2	CGI-83	lactamase	protein-coding
chr11-776	8.633335	0.130432	0.797828	0.163484	0.870137	0.981636	chr11	77624385	77625310	+	0	NA	intron (N	intron (N	12947	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr18-577	8.633335	0.130432	0.797828	0.163484	0.870137	0.981636	chr18	57724493	57727253	+	0	NA	intron (N	L1M1|LINE	77442	NM_005603	5205	Hs.216623	NM_005603	ENSG00000	ATP8B1	ATPIC|BRI	ATPase ph	protein-coding
chr1-1025	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr1	10256040	10257271	+	0	NA	intron (N	intron (N	25891	NM_001365	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr14-450	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr14	45095707	45097672	+	0	NA	intron (N	intron (N	12573	NM_017922	55015	Hs.274337	NM_017922	ENSG00000	PRPF39	-	pre-mRNA	protein-coding
chr14-761	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr14	76172612	76173617	+	0	NA	3' UTR (N	3' UTR (N	18760	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch c	protein-coding
chr15-635	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr15	63567095	63568006	+	0	NA	intron (N	AluY|SINE	-29837	NM_001367	283807	Hs.631163	NM_203373	ENSG00000	FBXL22	Fbl22	F-box anc	protein-coding
chr16-146	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr16	1460467	1461116	+	0	NA	intron (N	intron (N	14237	NM_001287	1186	Hs.459649	NM_001287	ENSG00000	CLCN7	CLC-7|CLC	chloride	protein-coding
chr16-682	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr16	68277512	68279256	+	0	NA	intron (N	SVA_C|Ret	13858	NM_001076	9057	Hs.679580	NM_003983	ENSG00000	SLC7A6	LAT-2|LAT	solute ca	protein-coding
chr17-471	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr17	47173834	47175606	+	0	NA	intron (N	AluSq|SIN	14575	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-473	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr17	47342376	47342875	+	0	NA	intron (N	L1MEd|LIN	18670	NM_152347	124989	Hs.463303	NM_152347	ENSG00000	EFCAB13	C17orf57	EF-hand c	protein-coding
chr17-732	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr17	73285078	73285646	+	0	NA	3' UTR (N	3' UTR (N	-23482	NM_001129	642843	Hs.534707	NM_001129	ENSG00000	CPSF4L	-	cleavage	protein-coding
chr2-1021	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-3259	NM_001320	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding
chr2-1600	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	40208	NM_001007	22925	Hs.410477	NM_007366	ENSG00000	PLA2R1	CLEC13C|F	phospholi	protein-coding
chr2-2226	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	L1MEc|LIN	18066	NR_130154	10056	Hs.471452	NM_005687	ENSG00000	FARSB	FARSLB|FF	phenylala	protein-coding
chr20-449	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr20	44950124	44951162	+	0	NA	intron (N	intron (N	9754	NM_006809	10953	Hs.517066	NM_006809	ENSG00000	TOMM34	HTOM34P|T	transloca	protein-coding
chr22-462	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr22	46281108	46281825	+	0	NA	intron (N	intron (N	13458	NM_017931	55020	Hs.435832	NM_017931	ENSG00000	TTC38	LL22NC03-	tetratric	protein-coding
chr3-4547	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr3	45474428	45474965	+	0	NA	intron (N	MER33|DNA	34849	NR_048543	1.01E+08	Hs.641094	NR_048543		LARS2-AS1	-	LARS2 ant	ncRNA
chr3-6898	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr3	68980683	68983002	+	0	NA	intron (N	intron (N	31842	NR_103826	285203	Hs.518059	NM_173654	ENSG00000	EOGT	AER61|AOS	EGF domai	protein-coding
chr5-1674	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr5	16746479	16747538	+	0	NA	intron (N	intron (N	-129950	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-1316	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-24277	NM_001164	51735	Hs.483329	NM_016340	ENSG00000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr6-1115	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	4868	NM_001164	10758	Hs.561514	NM_147200	ENSG00000	TRAF3IP2	ACT1|C6or	TRAF3 int	protein-coding
chr7-5432	7.145421	0.141293	0.864278	0.163481	0.87014	0.981636	chr7	5432071	5433558	+	0	NA	Intergeni	AluJr|SIN	-3887	NM_001354	1E+08	Hs.147507	NM_001354886		LOC100129	-	uncharact	protein-coding
chr10-836	7.121847	0.147419	0.901753	0.163481	0.87014	0.981636	chr10	836386	836633	+	0	NA	intron (N	intron (N	95196	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr7-1379	8.625477	0.132177	0.808593	0.163465	0.870152	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	29653	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr2-1095	6.915895	-0.14718	0.900824	-0.16338	0.870219	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	3' UTR (N	3' UTR (N	68048	NM_001321	151011	Hs.469615	NM_144710	ENSG00000	SEPTIN10	10-Sep	septin 10	protein-coding
chr3-1250	6.915895	-0.14718	0.900824	-0.16338	0.870219	0.981636	chr3	12503507	12503983	+	0	NA	exon (NM_	exon (NM_	19216	NM_001321	80746	Hs.335550	NM_025265	ENSG00000	TSEN2	PCH2B|SEN	tRNA spli	protein-coding
chr18-502	5.698646	0.160208	0.981048	0.163303	0.87028	0.981636	chr18	50284004	50284666	+	0	NA	intron (N	intron (N	-2561	NM_001204	4152	Hs.405610	NM_002384	ENSG00000	MBD1	CXXC3|PCM	methyl-Cp	protein-coding
chr9-3311	5.698646	0.160208	0.981048	0.163303	0.87028	0.981636	chr9	33112383	33113269	+	0	NA	3' UTR (N	3' UTR (N	4134	NR_162131	1.13E+08		NR_162131		MIR12117	-	microRNA	ncRNA
chr1-5868	7.864232	-0.13633	0.835055	-0.16325	0.870319	0.981636	chr1	58686220	58686419	+	0	NA	intron (N	L3|LINE|C	13743	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr10-102	7.864232	-0.13633	0.835055	-0.16325	0.870319	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	6221	NM_001178	51684	Hs.404089	NM_016169	ENSG00000	SUFU	JBTS32|PF	SUFU nega	protein-coding
chr12-121	7.864232	-0.13633	0.835055	-0.16325	0.870319	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	12950	NM_001330	51433	Hs.7101	NM_016237	ENSG00000	ANAPC5	APC5	anaphase	protein-coding
chr16-581	7.864232	-0.13633	0.835055	-0.16325	0.870319	0.981636	chr16	58191382	58193435	+	0	NA	intron (N	intron (N	5698	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr1-2189	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr1	21890395	21893453	+	0	NA	intron (N	intron (N	45386	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr11-659	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr11	6596077	6596705	+	0	NA	3' UTR (N	3' UTR (N	7225	NM_015324	23378	Hs.652255	NM_015324	ENSG00000	RRP8	KIAA0409|	ribosomal	protein-coding
chr11-683	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr11	68357669	68358283	+	0	NA	intron (N	intron (N	45385	NM_001291	4041	Hs.6347	NM_002335	ENSG00000	LRP5	BMND1|EVR	LDL recep	protein-coding
chr16-365	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr16	3655001	3657058	+	0	NA	intron (N	intron (N	1325	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribc	protein-coding
chr17-684	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr17	684882	686354	+	0	NA	intron (N	MER47A|DN	29221	NM_001128	55275	Hs.461819	NM_018289	ENSG00000	VPS53	HCCS1|PCH	VPS53 sub	protein-coding
chr17-156	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr17	15664106	15665142	+	0	NA	intron (N	intron (N	18327	NM_006470	10626	Hs.123534	NM_006470	ENSG00000	TRIM16	EBBP	tripartit	protein-coding
chr3-9760	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr3	9760753	9762006	+	0	NA	intron (N	GA-rich|L	8568	NM_003656	8536	Hs.434875	NM_003656	ENSG00000	CAMK1	CAMKI	calcium/c	protein-coding
chr3-1865	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	L1ME4b|LI	-4987	NM_017541	1427	Hs.376209	NM_017541	ENSG00000	CRYGS	CRYG8|CTR	crystalli	protein-coding
chr4-5621	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr4	5621648	5623142	+	0	NA	intron (N	LTR53|LTR	86164	NM_147127	132884	Hs.87306	NM_147127	ENSG00000	EVC2	LBN|WAD	EvC cilia	protein-coding
chr4-7006	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr4	7006988	7008734	+	0	NA	intron (N	intron (N	20353	NM_001286	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr5-4663	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr5	466393	466910	+	0	NA	intron (N	intron (N	6314	NR_024158	25845	Hs.719132	NR_024158	ENSG00000	PP7080	-	uncharact	ncRNA
chr5-3470	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr5	34704126	34705949	+	0	NA	intron (N	FLAM_C|SI	17478	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-1421	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	27627	NM_030571	80762	Hs.9788	NM_030571	ENSG00000	NDFIP1	N4WBP5	Nedd4 fam	protein-coding
chr6-8933	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr6	89337635	89338379	+	0	NA	intron (N	intron (N	14715	NM_016021	51465	Hs.163776	NM_016021	ENSG00000	UBE2J1	CGI-76|HS	ubiquitin	protein-coding
chr7-1031	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	HAL1|LINE	14621	NR_026660	1E+08	Hs.720729	NR_026660		RPL19P12	RPL19_4_8	ribosomal	pseudo
chr9-1140	6.16981	0.151492	0.928221	0.163206	0.870356	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSx|SIN	68042	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr11-459	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr11	45963106	45964140	+	0	NA	intron (N	intron (N	40967	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr11-676	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr11	67609547	67612485	+	0	NA	exon (NM_	exon (NM_	4080	NM_001166	4723	Hs.7744	NM_007103	ENSG00000	NDUFV1	CI-51K|CI	NADH:ubic	protein-coding
chr12-131	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	22773	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr16-440	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr16	4406254	4407458	+	0	NA	intron (N	AluSq2|SI	9041	NM_001351	79585	Hs.437957	NM_024535	ENSG00000	CORO7	0610011B1	coronin 7	protein-coding
chr16-150	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr16	15043041	15044679	+	0	NA	intron (N	AluSg|SIN	12214	NM_173474	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAD	N-termina	protein-coding
chr16-500	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr16	50033190	50036238	+	0	NA	intron (N	AluJo|SIN	9508	NR_104042	255919	Hs.59134	NM_153261	ENSG00000	CNEP1R1	C16orf69|	CTD nucle	protein-coding
chr19-193	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr19	19312593	19315718	+	0	NA	intron (N	(AAAT)n|S	6354	NM_172231	57794	Hs.515274	NM_021164	ENSG00000	SUGP1	F23858|RE	SURP and	protein-coding
chr2-2400	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	6225	NR_136157	4705	Hs.277677	NM_004544	ENSG00000	NDUFA10	CI-42KD|C	NADH:ubic	protein-coding
chr2-2404	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	-6999	NR_161169	1E+08	Hs.655753	NR_024014		LOC100130	-	uncharact	ncRNA
chr21-334	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr21	33425590	33429640	+	0	NA	intron (N	intron (N	24719	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interferc	protein-coding
chr3-4450	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr3	44501488	44503274	+	0	NA	intron (N	intron (N	8236	NM_001287	285346	Hs.648974	NM_001287	ENSG00000	ZNF852	-	zinc fing	protein-coding
chr3-1345	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr3	1.35E+08	1.35E+08	+	0	NA	intron (N	MER135|DN	60965	NM_001353	80254	Hs.443301	NM_025180	ENSG00000	CEP63	SCKL6	centrosom	protein-coding
chr6-1439	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	13538	NM_001317	5325	Hs.743225	NM_002656	ENSG00000	PLAGL1	LOT1|ZAC|	PLAG1 lik	protein-coding
chr9-1135	6.682114	0.145995	0.895044	0.163115	0.870428	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	MIRb|SINE	4269	NM_001282	5998	Hs.494875	NM_017790	ENSG00000	RGS3	C2PA|RGP3	regulator	protein-coding
chr1-6527	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	6527889	6530351	+	0	NA	exon (NM_	exon (NM_	-9059	NM_198681	57449	Hs.284232	NM_020631	ENSG00000	PLEKHG5	CMTRIC|DS	pleckstri	protein-coding
chr1-3795	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	37959353	37961616	+	0	NA	intron (N	intron (N	-13427	NR_158628	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr1-8896	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	88967089	88968709	+	0	NA	intron (N	intron (N	24730	NM_001162	494115	Hs.481898	NM_019610	ENSG00000	RBMXL1	RBM1	RBMX like	protein-coding
chr1-1001	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	1E+08	1E+08	+	0	NA	non-codir	non-codir	10928	NR_135078	54482	Hs.729095	NM_019083	ENSG00000	TRMT13	CCDC76	tRNA meth	protein-coding
chr1-1179	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	28398	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr1-1800	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-83657	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-151	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	15107583	15111450	+	0	NA	intron (N	AluSx1|SI	12161	NM_006414	10557	Hs.94986	NM_006414	ENSG00000	RPP38	-	ribonucle	protein-coding
chr10-271	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	27140811	27148831	+	0	NA	intron (N	L1MD3|LIN	9563	NM_014263	10730	Hs.74647	NM_014263	ENSG00000	YME1L1	FTSH|MEG4	YME1 like	protein-coding
chr10-319	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	31901329	31902487	+	0	NA	intron (N	MLT1D|LTR	7018	NM_001270	94134	Hs.499264	NM_018287	ENSG00000	ARHGAP12	-	Rho GTPas	protein-coding
chr10-322	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	32267940	32268504	+	0	NA	3' UTR (N	3' UTR (N	78936	NM_001272	80314	Hs.167805	NM_025209	ENSG00000	EPC1	Epl1	enhancer	protein-coding
chr10-875	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	87511183	87515733	+	0	NA	intron (N	intron (N	5625	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr10-936	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr10	93693915	93695866	+	0	NA	non-codir	non-codir	7682	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr11-835	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	835364	840688	+	0	NA	exon (NM_	exon (NM_	4503	NM_021128	5441	Hs.441072	NM_021128	ENSG00000	POLR2L	RBP10|RPA	RNA polym	protein-coding
chr11-333	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	33339711	33343380	+	0	NA	intron (N	intron (N	-34563	NM_012194	25758	Hs.502266	NM_012194	ENSG00000	KIAA1549L	C11orf41|	KIAA1549	protein-coding
chr11-636	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	63640488	63645023	+	0	NA	intron (N	intron (N	-28286	NM_001128	11145	Hs.502775	NM_007069	ENSG00000	PLAAT3	AdPLA|H-R	phospholi	protein-coding
chr11-643	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	64365255	64370900	+	0	NA	promoter-	promoter-	-525	NR_031602	1E+08		NR_031602	ENSG00000	MIR1237	MIRN1237|	microRNA	ncRNA
chr11-102	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	52218	NM_052932	114908	Hs.503709	NM_052932	ENSG00000	TMEM123	KCT3|PORI	transmemb	protein-coding
chr11-130	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	20559	NM_001301	399979	Hs.444024	NM_014758	ENSG00000	SNX19	CHET8	sorting r	protein-coding
chr12-195	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr12	19500287	19501526	+	0	NA	intron (N	intron (N	60307	NM_001267	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindir	protein-coding
chr12-327	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr12	32748378	32750581	+	0	NA	intron (N	intron (N	6418	NM_001040	51067	Hs.505231	NM_015936	ENSG00000	YARS2	CGI-04|MI	tyrosyl-t	protein-coding

chr13-306	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr13	30646676	30649009	+	0	NA	intron (N	intron (N	13627	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitir	protein-coding
chr15-577	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr15	57708919	57710822	+	0	NA	intron (N	intron (N	3156	NM_015532	81488	Hs.437256	NM_015532	ENSG00000	POLR2M	GCOM1|GRI	RNA polym	protein-coding
chr15-739	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr15	73997851	74004333	+	0	NA	intron (N	L1M6|LINE	6376	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr15-989	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr15	98944132	98945985	+	0	NA	intron (N	L3|LINE|C	60598	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-377	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr16	3775858	3779652	+	0	NA	intron (N	intron (N	-60231	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-707	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr16	70781075	70782787	+	0	NA	exon (NM_	exon (NM_	19227	NM_001351	55697	Hs.445061	NM_018052	ENSG00000	VAC14	ArPIKfyve	VAC14 con	protein-coding
chr16-865	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr16	86500287	86502552	+	0	NA	intron (N	intron (N	7441	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr17-161	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr17	16183823	16186299	+	0	NA	intron (N	L1MA9|LIN	9578	NM_001190	9611	Hs.462323	NM_006311	ENSG00000	NCOR1	N-CoR|N-C	nuclear r	protein-coding
chr17-178	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr17	17802868	17804344	+	0	NA	intron (N	AluJb|SIN	9939	NR_106835	1.02E+08		NR_106835	ENSG00000	MIR6777	hsa-mir-6	microRNA	ncRNA
chr17-319	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr17	31966092	31968211	+	0	NA	intron (N	AluSx4|SI	30144	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr18-272	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr18	2726645	2728967	+	0	NA	intron (N	MIRb|SINE	71919	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr19-119	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr19	11912393	11914205	+	0	NA	intron (N	intron (N	-11769	NM_001271	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr19-127	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr19	12728757	12731716	+	0	NA	TTS (NM_0	TTS (NM_0	4448	NR_138095	79002	Hs.515155	NM_024038	ENSG00000	TRIR	C19orf43|	telomeras	protein-coding
chr19-189	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr19	18929275	18931554	+	0	NA	intron (N	AluY|SINE	8635	NM_001145	9454	Hs.720208	NM_004838	ENSG00000	HOMER3	HOMER-3|V	homer sca	protein-coding
chr2-2764	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	27647960	27657292	+	0	NA	3’ UTR (N	3’ UTR (N	-10845	NM_018158	22950	Hs.306000	NM_018158	ENSG00000	SLC4A1AP	HLC3	solute ca	protein-coding
chr2-4357	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	43571744	43572857	+	0	NA	intron (N	intron (N	23674	NM_001083	63892	Hs.369592	NM_022065	ENSG00000	THADA	ARMC13|GI	THADA arm	protein-coding
chr2-7565	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	75657623	75659453	+	0	NA	3’ UTR (N	3’ UTR (N	11755	NM_014763	9801	Hs.44024	NM_014763	ENSG00000	MRPL19	L19mt|MRF	mitochonc	protein-coding
chr2-1281	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx|SIN	43082	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-glucc	protein-coding
chr2-1894	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	AluSq10|S	15629	NM_032168	84128	Hs.399984	NM_032168	ENSG00000	WDR75	NET16|UTF	WD repeat	protein-coding
chr2-2377	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-46044	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr20-364	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr20	36495324	36500617	+	0	NA	intron (N	intron (N	36175	NM_183006	22839	Hs.249600	NM_014902	ENSG00000	DLGAP4	DAP-4|DAF	DLG assoc	protein-coding
chr21-348	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr21	34885192	34886054	+	0	NA	intron (N	intron (N	3076	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr22-205	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr22	20536947	20545649	+	0	NA	intron (N	L1MB8|LIN	33251	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-1261	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	12616275	12619032	+	0	NA	intron (N	AluSx|SIN	45855	NM_001354	5894	Hs.159130	NM_002880	ENSG00000	RAF1	CMD1NN|CF	Raf-1 prc	protein-coding
chr3-3733	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	37334957	37337525	+	0	NA	intron (N	intron (N	-50028	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-4279	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	42792041	42793919	+	0	NA	intron (N	AluSq|SIN	11462	NM_001099	25994	Hs.593134	NM_014056	ENSG00000	HIGD1A	HIG1|RCF1	HIG1 hypc	protein-coding
chr3-4849	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	48498480	48499708	+	0	NA	intron (N	AluSp|SIN	4956	NM_001272	51246	Hs.414579	NM_016479	ENSG00000	SHISA5	SCOTIN	shisa fam	protein-coding
chr3-1007	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSx|SIN	9089	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPC	trafficki	protein-coding
chr3-1232	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1PA7|LIN	25603	NM_012430	26984	Hs.477361	NM_012430	ENSG00000	SEC22A	SEC22L2	SEC22 hom	protein-coding
chr3-1324	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.32E+08	1.33E+08	+	0	NA	intron (N	intron (N	84783	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr3-1325	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR105_Ma	-83878	NM_016557	51554	Hs.310512	NM_016557	ENSG00000	ACKR4	CC-CKR-11	atypical	protein-coding
chr3-1326	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJb|SIN	13827	NM_001321	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitir	protein-coding
chr3-1422	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	(ATTATAA)	22473	NM_001039	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr3-1703	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSz|SIN	22029	NM_001248	6498	Hs.536655	NM_005414	ENSG00000	SKIL	SNO|SnoA|	SKI like	protein-coding
chr4-1563	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr4	15634361	15640220	+	0	NA	intron (N	intron (N	18067	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box anc	protein-coding
chr4-1866	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	25616	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDF	FAT atypi	protein-coding
chr5-6910	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr5	69107035	69109923	+	0	NA	intron (N	intron (N	14465	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-6927	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr5	69276098	69280204	+	0	NA	TTS (NM_0	TTS (NM_0	43265	NM_001799	1022	Hs.184298	NM_001799	ENSG00000	CDK7	CAK|CAK1|	cyclin de	protein-coding
chr5-7154	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr5	71541951	71546904	+	0	NA	exon (NM_	exon (NM_	-42913	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcrc	protein-coding
chr5-1326	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSx|SIN	36683	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr5-1330	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	18571	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEI	heat shoc	protein-coding
chr6-8424	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr6	8424075	8429761	+	0	NA	intron (N	THE1A-int	8627	NM_001370	51000	Hs.285847	NM_015948	ENSG00000	SLC35B3	C6orf196|	solute ca	protein-coding
chr6-6370	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr6	63709493	63713575	+	0	NA	intron (N	intron (N	65008	NM_015153	23469	Hs.348921	NM_015153	ENSG00000	PHF3	-	PHD finge	protein-coding
chr6-1078	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	55098	NM_007214	11231	Hs.26904	NM_007214	ENSG00000	SEC63	DNAJC23|E	SEC63 hom	protein-coding
chr6-1421	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	MER20B|DN	24742	NM_016485	51534	Hs.431367	NM_016485	ENSG00000	VTA1	C6orf55|I	vesicle t	protein-coding
chr7-7761	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr7	77610280	77616912	+	0	NA	intron (N	AluSz6|SI	75553	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr7-9938	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr7	99385641	99393153	+	0	NA	intron (N	AluJr|SIN	14667	NM_005720	10095	Hs.489284	NM_005720	ENSG00000	ARPC1B	ARC41|PL1	actin rel	protein-coding
chr7-1301	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	28846	NR_149034	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr7-1436	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr7	1.44E+08	1.44E+08	+	0	NA	intron (N	MIR|SINE|	-15363	NM_001365	285966	Hs.743565	NM_173678	ENSG00000	TCAF2	FAM115C|F	TRPM8 cha	protein-coding
chr8-3056	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr8	30569369	30574720	+	0	NA	3’ UTR (N	3’ UTR (N	-66536	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-3816	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr8	38162133	38166153	+	0	NA	intron (N	AluSg|SIN	12350	NM_014462	27257	Hs.425311	NM_014462	ENSG00000	LSM1	CASM|YJL1	LSM1 homc	protein-coding
chr8-3884	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr8	38847430	38850356	+	0	NA	non-codir	non-codir	43443	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr8-1300	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	8495	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-1543	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr9	15433360	15436242	+	0	NA	intron (N	L1MB4|LIN	11925	NR_161442	6619	Hs.546299	NM_003084	ENSG00000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr9-3622	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr9	36226139	36229728	+	0	NA	intron (N	AluSx1|SI	30515	NM_001190	10020	Hs.5920	NM_005476	ENSG00000	GNE	DMRV|GLCN	glucosami	protein-coding
chr9-3743	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr9	37435695	37439335	+	0	NA	TTS (NM_0	TTS (NM_0	14819	NM_012203	9380	Hs.155742	NM_012203	ENSG00000	GRHPR	GLXR|GLYD	glyoxylat	protein-coding
chr9-7972	7.905371	-0.1339	0.821054	-0.16308	0.870457	0.981636	chr9	79724365	79726193	+	0	NA	non-codir	non-codir	-99251	NR_121213	1.02E+08	Hs.571630	NR_121212		LINC01507	XLOC_0003	long inte	ncRNA
chr1-1094	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L2c|LINE|	-10541	NM_002959	6272	Hs.485195	NM_002959	ENSG00000	SORT1	Gp95|LDLC	sortilin	protein-coding
chr1-2045	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	25367	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr10-992	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr10	992258	1014629	+	0	NA	intron (N	L1M2a|LIN	15009	NM_012341	23560	Hs.215766	NM_012341	ENSG00000	GTPBP4	CRFG|NGB|	GTP bindi	protein-coding
chr10-102	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	non-codir	non-codir	12307	NM_030912	81603	Hs.336810	NM_030912	ENSG00000	TRIM8	GERP|RNF2	tripartit	protein-coding
chr11-655	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr11	65529364	65534270	+	0	NA	intron (N	intron (N	6734	NM_001048	57410	Hs.238839	NM_020680	ENSG00000	SCYL1	GKLP|HT01	SCY1 like	protein-coding
chr12-315	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr12	315920	323437	+	0	NA	intron (N	AluJb|SIN	-56805	NM_001190	6540	Hs.504398	NM_016615	ENSG00000	SLC6A13	GAT-2|GA1	solute ca	protein-coding
chr12-122	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-7716	NM_201435	84660	Hs.592008	NM_032573	ENSG00000	CCDC62	CT109|ERA	coiled-cc	protein-coding
chr13-952	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr13	95200709	95212020	+	0	NA	intron (N	intron (N	-3980	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-297	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr15	29702640	29712245	+	0	NA	intron (N	intron (N	32507	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr15-399	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr15	39985605	39991979	+	0	NA	intron (N	AluSz|SIN	50389	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr15-929	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr15	92991635	93026585	+	0	NA	intron (N	intron (N	64046	NM_001166	56963	Hs.271277	NM_020211	ENSG00000	RGMA	RGM	repulsive	protein-coding
chr16-235	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr16	23559509	23565343	+	0	NA	intron (N	AluSx|SIN	4699	NM_019116	56061	Hs.3459	NM_019116	ENSG00000	UBFD1	UBPH	ubiquitir	protein-coding
chr16-532	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr16	53249883	53252993	+	0	NA	intron (N	intron (N	42987	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-210	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr17	21002384	21024777	+	0	NA	intron (N	intron (N	29431	NM_015276	23326	Hs.462492	NM_015276	ENSG00000	USP22	USP3L	ubiquitir	protein-coding
chr17-418	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr17	41869835	41874912	+	0	NA	intron (N	AluSz6|SI	-6950	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr17-803	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr17	80325166	80340528	+	0	NA	intron (N	intron (N	71995	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr19-560	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr19	5607821	5620903	+	0	NA	intron (N	intron (N	8414	NM_014649	9667	Hs.655392	NM_014649	ENSG00000	SAFB2	-	scaffold	protein-coding
chr2-1272	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	6181	NM_001303	2071	Hs.469872	NM_000122	ENSG00000	ERCC3	BTF2|GTF2	ERCC exci	protein-coding
chr2-2325	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	L2c|LINE|	7921	NM_001330	9470	Hs.292026	NM_004846	ENSG00000	EIF4E2	4E-LP|4EH	eukaryoti	protein-coding
chr20-457	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr20	45793948	45797638	+	0	NA	intron (N	AluSz6|SI	3839	NM_052951	116092	Hs.472852	NM_052951	ENSG00000	DNTTIP1	C20orf167	deoxynucl	protein-coding
chr3-1260	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr3	12606031	12609205	+	0	NA	intron (N	AluJb|SIN	50531	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|F	makorin r	protein-coding
chr4-1762	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr4	17620297	17629822	+	0	NA	3’ UTR (N	3’ UTR (N	10418	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr4-8712	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr4	87124889	87126788	+	0	NA	intron (N	intron (N	94430	NM_001292	57563	Hs.106601	NM_020803	ENSG00000	KLHL8	-	kelch lik	protein-coding
chr4-1381	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-49569	NR_037866	641365	Hs.435630	NR_037866	ENSG00000	LINC00616	-	long inte	ncRNA
chr6-4302	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr6	43023892	43030820	+	0	NA	intron (N	intron (N	5733	NM_033112	88745	Hs.309231	NM_033112	ENSG00000	RRP36	C6orf153|	ribosomal	protein-coding
chr7-8693	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr7	869387	870122	+	0	NA	intron (N	intron (N	-6800	NM_015949	51608	Hs.107387	NM_015949	ENSG00000	GET4	C7orf20|C	guided er	protein-coding
chr7-6403	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr7	6403064	6405304	+	0	NA	TTS (NM_0	TTS (NM_0	29657	NM_006908	5879	Hs.413812	NM_006908	ENSG00000	RAC1	MIG5|MRD4	Rac famil	protein-coding
chr8-3811	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr8	38110118	38112699	+	0	NA	intron (N	intron (N	5615	NM_001105	9070	Hs.521530	NM_004674	ENSG00000	ASH2L	ASH2|ASH2	ASH2 like	protein-coding
chr9-1132	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14057	NM_139286	246184	Hs.727648	NM_139286	ENSG00000	CDC26	ANAPC12|A	cell divi	protein-coding
chrX-4121	9.673659	0.122075	0.748732	0.163042	0.870485	0.981636	chrX	41214144	41218633	+	0	NA	exon (NM_	exon (NM_	-59351	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr14-993	5.657507	0.157922	0.969026	0.16297	0.870542	0.981636	chr14	99399516	99399895	+	0	NA	intron (N	intron (N	81154	NM_199123	84193	Hs.510407	NM_032233	ENSG00000	SETD3	C14orf154	SET domai	protein-coding
chr7-7289	5.657507	0.157922	0.969026	0.16297	0.870542	0.981636	chr7	72895377	72895710	+	0	NA	intron (N	L2c|LINE|	4916	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr1-2171	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr1	21719559	21722033	+	0	NA	intron (N	AluSz|SIN	-51439	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|F	RAP1 GTPa	protein-coding
chr1-8911	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr1	89114090	89121834	+	0	NA	intron (N	L2a|LINE|	8152	NM_004120	2634	Hs.386567	NM_004120	ENSG00000	GBP2	-	guanylate	protein-coding
chr1-1472	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	AluJb|SIN	42774	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr12-144	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr12	14468987	14469243	+	0	NA	intron (N	AluSz|SIN	83834	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IF	activatir	protein-coding
chr12-114	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	7530	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr12-123	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	(TATTTT)r	7158	NR_135104	57696	Hs.286173	NM_020936	ENSG00000	DDX55	-	DEAD-box	protein-coding
chr13-956	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr13	95629097	95634517	+	0	NA	intron (N	intron (N	12899	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIF	DAZ inter	protein-coding
chr15-801	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr15	80184419	80187105	+	0	NA	intron (N	THE1B|LTF	32763	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr2-7017	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr2	70174511	70175646	+	0	NA	intron (N	intron (N	15633	NR_145971	54980	Hs.720049	NM_017880	ENSG00000	C2orf42	-	chromosom	protein-coding
chr22-311	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr22	31195373	31198409	+	0	NA	intron (N	intron (N	-15407	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr7-9904	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr7	99048220	99050567	+	0	NA	intron (N	intron (N	36228	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-1334	8.690191	0.128775	0.790479	0.162908	0.870591	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1C|LTF	96594	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr1-1705	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	(GAAGCA)r	-8643	NR_125958	1.02E+08	Hs.676662	NR_125958		GORAB-AS1	-	GORAB ant	ncRNA
chr10-997	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr10	99736418	99741639	+	0	NA	intron (N	L1MC5a|LI	-6362	NM_001320	1355	Hs.28326	NM_004376	ENSG00000	COX15	CEMCOX2	cytochrom	protein-coding
chr11-477	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr11	47727112	47756312	+	0	NA	intron (N	AluSg4|SI	25629	NM_001318	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr13-514	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr13	51449369	51450717	+	0	NA	3’ UTR (N	3’ UTR (N	2993	NM_012141	26512	Hs.439440	NM_012141	ENSG00000	INTS6	DBI-1|DDX	integratc	protein-coding
chr14-520	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr14	52052899	52054394	+	0	NA	exon (NM_	exon (NM_	15413	NM_007361	22795	Hs.369840	NM_007361	ENSG00000	NID2	NID-2	nidogen 2	protein-coding
chr18-912	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr18	9126764	9129587	+	0	NA	intron (N	intron (N	8545	NR_110771	1.02E+08	Hs.656442	NR_110771	ENSG00000	NDUFV2-AS	-	NDUFV2 ar	ncRNA
chr2-1973	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	32773	NM_001005	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MI	splicing	protein-coding
chr6-5663	10.65713	0.116631	0.715943	0.162905	0.870593	0.981636	chr6	56633151	56637061	+	0	NA	intron (N	L2a|LINE|	7783	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr5-1155	9.202495	0.126067	0.773872	0.162904	0.870594	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	20258	NM_020177	56929	Hs.47367	NM_020177	ENSG00000	FEM1C	EUROIMAGE	fem-1 hom	protein-coding
chr15-651	10.13697	0.11993	0.736378	0.162864	0.870625	0.981636	chr15	65126296	65128966	+	0	NA	intron (N	intron (N	6177	NM_005707	10081	Hs.458596	NM_005707	ENSG00000	PDCD7	ES18|HES1	programme	protein-coding
chr11-642	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr11	64265582	64266044	+	0	NA	intron (N	intron (N	14283	NM_000932	5331	Hs.523761	NM_000932	ENSG00000	PLCB3	-	phospholi	protein-coding
chr11-654	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr11	65412088	65412944	+	0	NA	3’ UTR (N	3’ UTR (N	-10282	NR_131012	283131	Hs.523789	NR_002802	ENSG00000	NEAT1	LINC00084	nuclear p	ncRNA
chr11-660	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr11	66004430	66004965	+	0	NA	TTS (NM_0	TTS (NM_0	2194	NM_003860	8815	Hs.433759	NM_003860	ENSG00000	BANF1	BAF|BCRP1	barrier t	protein-coding
chr11-714	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr11	71480608	71482019	+	0	NA	intron (N	intron (N	7810	NR_106812	1.02E+08		NR_106812	ENSG00000	MIR6754	hsa-mir-6	microRNA	ncRNA
chr12-768	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr12	76831247	76832625	+	0	NA	intron (N	AluJb|SIN	47083	NM_001321	1466	Hs.530904	NM_001321	ENSG00000	CSRP2	CRP2|LMO5	cysteine	protein-coding
chr13-727	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr13	72756214	72757261	+	0	NA	TTS (NM_0	TTS (NM_0	25163	NM_001322	22894	Hs.744104	NM_014953	ENSG00000	DIS3	2810028NC	DIS3 homc	protein-coding
chr15-780	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr15	78024368	78025420	+	0	NA	intron (N	intron (N	-30669	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr16-816	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr16	81652669	81653686	+	0	NA	intron (N	intron (N	-12177	NR_045112	1E+08	Hs.657151	NR_045112		LOC100129	-	uncharact	ncRNA
chr17-171	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr17	17164925	17167992	+	0	NA	exon (NM_	exon (NM_	39875	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr19-265	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr19	26538618	26539537	+	0	NA	Intergeni	ALR/Alpha	-1254354	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-476	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr19	47679556	47680539	+	0	NA	exon (NM_	exon (NM_	-33375	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domair	protein-coding
chr20-938	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr20	9384464	9385112	+	0	NA	intron (N	intron (N	76988	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding

chr22-237	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr22	23799506	23802461	+	0	NA	exon (NM_	exon (NM_	14017	NM_003073	6598	Hs.534350	NM_003073	ENSG00000	SMARCB1	BAF47|CSS	SWI/SNF r	protein-coding
chr22-382	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr22	38232596	38235174	+	0	NA	intron (N	AluSx|SIN	-9165	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr4-1215	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr4	1215964	1216453	+	0	NA	non-codin	non-codin	6088	NR_104331	285463	Hs.707614	NR_104331	ENSG00000	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr6-1665	7.194418	0.141266	0.867822	0.162783	0.87069	0.981636	chr6	1.67E+08	1.67E+08	+	0	NA	promoter-	promoter-	-188	NR_031734	1E+08		NR_031734	ENSG00000	MIR1913	MIRN1913|	microRNA	ncRNA
chr17-783	14.64786	0.101399	0.622923	0.162779	0.870693	0.981636	chr17	78357152	78358880	+	0	NA	3' UTR (N	3' UTR (N	2063	NM_003955	9021	Hs.527973	NM_003955	ENSG00000	SOCS3	ATOD4|CIS	suppresso	protein-coding
chr1-3750	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr1	37508058	37509368	+	0	NA	intron (N	intron (N	6053	NR_073091	64769	Hs.17118	NM_022756	ENSG00000	MEAF6	C1orf149|	MYST/Esa1	protein-coding
chr1-2294	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	exon (NM_	exon (NM_	-30568	NM_001100	58	Hs.1288	NM_001100	ENSG00000	ACTA1	ACTA|ASMA	actin alp	protein-coding
chr11-102	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	94428	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr12-647	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr12	64736516	64737054	+	0	NA	intron (N	intron (N	22621	NM_002076	2799	Hs.334534	NM_002076	ENSG00000	GNS	G6S	glucosami	protein-coding
chr14-919	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr14	91939492	91940148	+	0	NA	intron (N	MLT1E2|LT	7882	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr15-325	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr15	32531045	32533468	+	0	NA	intron (N	MIRc|SINE	1485	NR_036650	1E+08	Hs.562620	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr3-4572	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr3	45722289	45724694	+	0	NA	exon (NM_	exon (NM_	34095	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr4-3997	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr4	39973243	39974344	+	0	NA	intron (N	intron (N	4118	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr9-3307	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr9	33070120	33073777	+	0	NA	intron (N	intron (N	4726	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr9-1104	8.641193	0.12874	0.790996	0.162757	0.87071	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-87308	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1561	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	1561541	1565127	+	0	NA	intron (N	AluSg7|SI	11529	NM_014188	29101	Hs.30026	NM_014188	ENSG00000	SSU72	HSPC182|F	SSU72 hom	protein-coding
chr1-1578	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	15782247	15782663	+	0	NA	intron (N	intron (N	17956	NM_001024	54751	Hs.530101	NM_017556	ENSG00000	FBLIM1	CAL|FBLP-	filamin b	protein-coding
chr1-2548	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	25488500	25490099	+	0	NA	intron (N	intron (N	-54286	NM_015627	26119	Hs.590911	NM_015627	ENSG00000	LDLRAP1	ARH|ARH1|	low densi	protein-coding
chr1-5277	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	52772389	52773036	+	0	NA	intron (N	AluY|SINE	46259	NM_024646	79699	Hs.476280	NM_024646	ENSG00000	ZYG11B	ZYG11	zyg-11 fa	protein-coding
chr1-1163	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	14496	NM_001160	476	Hs.371889	NM_000701	ENSG00000	ATP1A1	CMT2DD|HO	ATPase Na	protein-coding
chr1-2365	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	-21324	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 an	ncRNA
chr10-427	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr10	42790319	42795301	+	0	NA	intron (N	intron (N	10015	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr11-122	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr11	12258836	12261785	+	0	NA	3' UTR (N	3' UTR (N	-26590	NM_032867	84953	Hs.60371	NM_032867	ENSG00000	MICALCL	Ebitein1	MICAL C-t	protein-coding
chr11-471	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr11	47164713	47172622	+	0	NA	intron (N	AluSz6|SI	8212	NM_032389	84364	Hs.436204	NM_032389	ENSG00000	ARFGAP2	IRZ|NBLA1	ADP ribos	protein-coding
chr11-948	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr11	94829438	94830743	+	0	NA	exon (NM_	exon (NM_	61734	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr11-110	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr11	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	105379	NM_001258	57569	Hs.6136	NM_020809	ENSG00000	ARHGAP20	RARHOGAP	Rho GTPas	protein-coding
chr12-341	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr12	341708	343825	+	0	NA	intron (N	intron (N	46554	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr12-808	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr12	8089382	8093408	+	0	NA	intron (N	MER1A|DNA	9121	NM_015509	25977	Hs.555927	NM_015509	ENSG00000	NECAP1	EIEE21	NECAP end	protein-coding
chr12-111	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSc8|SI	28237	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr13-244	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr13	24465447	24466737	+	0	NA	intron (N	MER3|DNA|	46686	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-732	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	73217159	73220880	+	0	NA	intron (N	intron (N	-18487	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr14-748	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	74811993	74813827	+	0	NA	intron (N	intron (N	49594	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr14-940	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	94048746	94056898	+	0	NA	intron (N	intron (N	26482	NM_023112	78990	Hs.278815	NM_023112	ENSG00000	OTUB2	C14orf137	OTU deubi	protein-coding
chr14-102	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-45980	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr14-102	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	30340	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr14-102	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx1|SI	56790	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr14-104	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	-11383	NM_152328	122622	Hs.592327	NM_152328	ENSG00000	ADSSL1	Adss1|MPD	adenylosu	protein-coding
chr15-229	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr15	22908036	22913084	+	0	NA	exon (NM_	exon (NM_	6753	NM_001033	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr16-258	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr16	2580815	2584448	+	0	NA	intron (N	intron (N	-20753	NR_015441	652276	Hs.720448	NR_015441	ENSG00000	LOC652276	-	potassium	pseudo
chr17-440	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr17	44090875	44093157	+	0	NA	intron (N	intron (N	21105	NR_028582	92579	Hs.294005	NM_138387	ENSG00000	G6PC3	SCN4|UGRP	glucose-6	protein-coding
chr18-993	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr18	9938026	9940581	+	0	NA	intron (N	AluSx1|SI	25287	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP asso	protein-coding
chr18-231	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr18	23194932	23198228	+	0	NA	intron (N	L3|LINE|C	40755	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr19-104	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	10487335	10497546	+	0	NA	intron (N	AluSx4|SI	10331	NM_012289	9817	Hs.465870	NM_012289	ENSG00000	KEAP1	INrf2|KLH	kelch lik	protein-coding
chr19-138	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	13809224	13811587	+	0	NA	intron (N	AluSg|SIN	14962	NM_023072	65249	Hs.466015	NM_023072	ENSG00000	ZSWIM4	-	zinc fing	protein-coding
chr19-312	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	31276489	31279311	+	0	NA	exon (NM_	exon (NM_	71536	NR_138036	57616	Hs.278436	NM_020856	ENSG00000	TSHZ3	TSH3|ZNF5	teashirt	protein-coding
chr19-343	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	34376133	34387158	+	0	NA	intron (N	intron (N	16449	NM_001329	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr19-448	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	44870698	44879791	+	0	NA	intron (N	intron (N	-15976	NM_001128	10452	Hs.655909	NM_006114	ENSG00000	TOMM40	C19orf1|D	transloca	protein-coding
chr19-496	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	49625120	49626775	+	0	NA	3' UTR (N	3' UTR (N	14196	NM_006270	6237	Hs.515536	NM_006270	ENSG00000	RRAS	R-Ras	RAS relat	protein-coding
chr19-522	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr19	52202744	52209109	+	0	NA	intron (N	intron (N	4730	NM_001363	5518	Hs.467192	NM_014225	ENSG00000	PPP2R1A	MRD36|PP2	protein p	protein-coding
chr2-2407	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	24072526	24073885	+	0	NA	intron (N	intron (N	3121	NM_016047	51639	Hs.177861	NM_016047	ENSG00000	SF3B6	CGI-110|H	splicing	protein-coding
chr2-5376	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	53762644	53763552	+	0	NA	intron (N	intron (N	-4685	NM_001346	494143	Hs.585944	NM_001008	ENSG00000	CHAC2	GCG1	ChaC cati	protein-coding
chr2-8620	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	86206369	86209952	+	0	NA	intron (N	Tigger16b	8703	NM_016622	51318	Hs.433439	NM_016622	ENSG00000	MRPL35	L35mt|MRP	mitochond	protein-coding
chr2-9660	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	96602716	96605227	+	0	NA	intron (N	intron (N	34020	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr2-1279	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-63494	NM_001199	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr2-2327	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	14404	NR_103492	26058	Hs.565319	NM_015575	ENSG00000	GIGYF2	GYF2|PARK	GRB10 int	protein-coding
chr20-518	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr20	5189306	5190916	+	0	NA	exon (NM_	exon (NM_	63103	NM_003818	8760	Hs.126857	NM_003818	ENSG00000	CDS2	-	CDP-diacy	protein-coding
chr20-372	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr20	37232558	37236666	+	0	NA	intron (N	intron (N	22296	NM_021081	2691	Hs.37023	NM_021081	ENSG00000	GHRH	GHRF|GRF|	growth ho	protein-coding
chr20-589	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr20	58987981	58990026	+	0	NA	exon (NM_	exon (NM_	7747	NM_198976	51497	Hs.517148	NM_016397	ENSG00000	NELFCD	HSPC130|N	negative	protein-coding
chr22-217	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr22	21762162	21769889	+	0	NA	intron (N	intron (N	-30231	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr22-219	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr22	21968919	21972098	+	0	NA	intron (N	intron (N	12279	NM_001349	8940	Hs.436401	NM_003935	ENSG00000	TOP3B	TOP3B1	DNA topoi	protein-coding
chr22-324	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr22	32404048	32408660	+	0	NA	intron (N	AluSc|SIN	5893	NM_014306	51493	Hs.474643	NM_014306	ENSG00000	RTCB	C22orf28|	RNA 2',3'	protein-coding
chr3-5025	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr3	50254010	50258782	+	0	NA	intron (N	intron (N	9486	NM_001166	2771	Hs.77269	NM_002070	ENSG00000	GNAI2	GIP|GNAI2	G protein	protein-coding
chr3-1130	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	4076	NM_001319	25871	Hs.591288	NM_015412	ENSG00000	NEPRO	C3orf17|N	nucleolus	protein-coding
chr4-2731	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr4	2731871	2732492	+	0	NA	non-codin	non-codin	24155	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr4-3953	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr4	39530923	39534407	+	0	NA	intron (N	THE1B-int	4826	NR_047679	1.01E+08	Hs.640769	NR_047679	ENSG00000	UGDH-AS1	-	UGDH anti	ncRNA
chr4-1593	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	71521	NM_001351	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-1384	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr5	13843703	13844843	+	0	NA	intron (N	intron (N	100207	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3240	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr5	32405198	32407103	+	0	NA	intron (N	intron (N	-11675	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-1548	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSg7|SI	16021	NM_001301	9337	Hs.26703	NM_004779	ENSG00000	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr6-2441	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr6	24416075	24420300	+	0	NA	exon (NM_	exon (NM_	15251	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-1121	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	MLT1H|LTR	-62479	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr7-6020	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr7	6020396	6030103	+	0	NA	intron (N	intron (N	-6127	NM_001271	1E+08	Hs.744468	NM_001271	ENSG00000	ANKRD61	-	ankyrin r	protein-coding
chr8-1184	8.177887	0.131844	0.810225	0.162725	0.870735	0.981636	chr8	11847992	11853409	+	0	NA	intron (N	MIRb|SINE	17387	NM_001908	1508	Hs.520898	NM_001908	ENSG00000	CTSB	APPS|CPSB	cathepsin	protein-coding
chr5-1428	11.6406	0.112139	0.689672	0.162598	0.870835	0.981636	chr5	14280260	14281377	+	0	NA	intron (N	intron (N	137476	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr17-614	13.14423	0.106144	0.652814	0.162594	0.870838	0.981636	chr17	61400302	61409492	+	0	NA	intron (N	CpG-11509	5054	NM_005994	6909	Hs.531085	NM_005994	ENSG00000	TBX2	VETD	T-box tra	protein-coding
chr5-4798	36.54717	0.070851	0.436066	0.162478	0.870929	0.981636	chr5	47981147	47982020	+	0	NA	Intergeni	ALR/Alpha	-2285203	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1094	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSp|SIN	-4961	NM_002959	6272	Hs.485195	NM_002959	ENSG00000	SORT1	Gp95|LDLC	sortilin	protein-coding
chr10-119	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz|SIN	20072	NM_007190	11196	Hs.435004	NM_007190	ENSG00000	SEC23IP	MSTP053|P	SEC23 int	protein-coding
chr12-297	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr12	29736851	29737743	+	0	NA	intron (N	AluSp|SIN	46645	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr12-625	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr12	62564968	62566410	+	0	NA	intron (N	intron (N	37745	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr12-117	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-37528	NR_103809	1.01E+08	Hs.657861	NR_103809	ENSG00000	LOC100506	-	uncharact	ncRNA
chr17-451	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr17	45112584	45113591	+	0	NA	intron (N	intron (N	1346	NR_106842	1.02E+08		NR_106842	ENSG00000	MIR6784	hsa-mir-6	microRNA	ncRNA
chr19-576	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr19	57605349	57608172	+	0	NA	exon (NM_	exon (NM_	6875	NM_020880	348327	Hs.97111	NM_020880	ENSG00000	ZNF530	-	zinc fing	protein-coding
chr2-6924	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr2	69246594	69248310	+	0	NA	3' UTR (N	3' UTR (N	139775	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr6-1069	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr6	10698038	10698966	+	0	NA	intron (N	intron (N	3530	NM_017906	55003	Hs.310231	NM_017906	ENSG00000	PAK1IP1	MAK11|PIP	PAK1 inte	protein-coding
chr6-1164	7.451773	-0.13771	0.84814	-0.16237	0.871013	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	-32594	NM_001276	441168	Hs.381220	NM_001010	ENSG00000	CALHM6	C6orf187|	calcium b	protein-coding
chr11-655	17.61398	0.093454	0.575606	0.162357	0.871024	0.981636	chr11	65500169	65506020	+	0	NA	non-codin	non-codin	-3023	NR_144569	1.09E+08		NR_144569	ENSG00000	MASCRNA	-	MALAT1-as	scRNA
chr1-7968	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	7968721	7970113	+	0	NA	intron (N	intron (N	7706	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding
chr1-2822	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	28223198	28229549	+	0	NA	intron (N	AluSx4|SI	6656	NM_014280	22826	Hs.433540	NM_014280	ENSG00000	DNAJC8	HSPC331|S	DnaJ heat	protein-coding
chr1-3788	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	37884837	37889497	+	0	NA	intron (N	intron (N	-27575	NM_005955	4520	Hs.471991	NM_005955	ENSG00000	MTF1	MTF-1|ZRF	metal reg	protein-coding
chr1-1124	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	19006	NM_018704	55917	Hs.744100	NM_018704	ENSG00000	CTTNBP2NL	-	CTTNBP2 N	protein-coding
chr1-1199	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-52108	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr1-2260	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	7171	NR_002315	440926	Hs.533624	NR_002315		H3F3AP4	p13	H3 histor	pseudo
chr1-2468	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	59942	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr10-589	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr10	5894058	5896534	+	0	NA	intron (N	intron (N	910	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr10-687	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr10	68730146	68745271	+	0	NA	intron (N	(T)n|Simp	16469	NM_001282	55749	Hs.49853	NM_018237	ENSG00000	CCAR1	-	cell divi	protein-coding
chr11-474	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr11	47479039	47487523	+	0	NA	intron (N	intron (N	5743	NM_001025	10658	Hs.595333	NM_006560	ENSG00000	CELF1	BRUNOL2|C	CUGBP Ela	protein-coding
chr11-117	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-15687	NM_001040	51092	Hs.712144	NM_015996	ENSG00000	SIDT2	CGI-40	SID1 tran	protein-coding
chr11-118	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	AluJr|SIN	10924	NM_004788	9354	Hs.75275	NM_004788	ENSG00000	UBE4A	E4|UBOX2|	ubiquitin	protein-coding
chr11-120	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	L2|LINE|L	-32622	NM_014619	2900	Hs.538738	NM_014619	ENSG00000	GRIK4	EAA1|GRIK	glutamate	protein-coding
chr12-118	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-44521	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr13-370	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr13	37041488	37044195	+	0	NA	intron (N	L2a|LINE|	16646	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr14-345	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr14	34571803	34573799	+	0	NA	intron (N	AluY|SINE	-16412	NR_004400	26863		NR_004400	ENSG00000	RNVU1-18	RNU1-25|R	RNA, vari	snRNA
chr14-730	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr14	73076356	73079373	+	0	NA	intron (N	L1MC4|LIN	19330	NM_021239	58517	Hs.531106	NM_021239	ENSG00000	RBM25	NET52|RED	RNA bindi	protein-coding
chr15-519	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr15	51945453	51954531	+	0	NA	exon (NM_	exon (NM_	21786	NM_001323	123169	Hs.567662	NM_138792	ENSG00000	LEO1	RDL	LEO1 homo	protein-coding
chr16-160	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr16	16042469	16066512	+	0	NA	intron (N	L1ME3C|LI	104874	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-696	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr16	69658641	69662560	+	0	NA	intron (N	intron (N	48075	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr17-844	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr17	8444381	8453363	+	0	NA	intron (N	MER8|DNA|	12988	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-294	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr17	29487509	29494621	+	0	NA	intron (N	intron (N	75972	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-431	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr17	43174411	43183547	+	0	NA	intron (N	intron (N	7765	NM_001291	4077	Hs.277721	NM_005899	ENSG00000	NBR1	1A1-3B|IA	NBR1 auto	protein-coding
chr17-475	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr17	47599406	47602490	+	0	NA	intron (N	AluSz6|SI	-48971	NM_002265	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr17-553	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr17	55396167	55405405	+	0	NA	intron (N	intron (N	21049	NM_012329	23531	Hs.463483	NM_012329	ENSG00000	MMD	MMA|MMD1|	monocyte	protein-coding
chr19-383	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr19	38380822	38383164	+	0	NA	intron (N	MIRb|SINE	6041	NM_152657	199720	Hs.447948	NM_152657	ENSG00000	GGN	-	gametogen	protein-coding
chr19-572	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr19	57248528	57251365	+	0	NA	intron (N	intron (N	9314	NM_001023	390980	Hs.22488	NM_001023	ENSG00000	ZNF805	-	zinc fing	protein-coding
chr2-5591	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr2	55916042	55917824	+	0	NA	intron (N	intron (N	6849	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-6297	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr2	62979183	62980611	+	0	NA	intron (N	intron (N	67814	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr2-8561	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr2	85618980	85634474	+	0	NA	intron (N	AluSg4|SI	10541	NM_001256	10713	Hs.654745	NM_006590	ENSG00000	USP39	65K|CGI-2	ubiquitin	protein-coding
chr2-1602	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluY|SINE	-13979	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr2-2332	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	promoter-	promoter-	-928	NR_003008	677775	Hs.663619	NR_003008	ENSG00000	SCARNA5	U87	small Caj	ncRNA
chr20-502	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr20	502388	505393	+	0	NA	intron (N	MER119|DN	39900	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr20-380	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr20	38057948	38062653	+	0	NA	intron (N	intron (N	26554	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatio	protein-coding
chr20-501	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr20	50142812	50143723	+	0	NA	intron (N	L2a|LINE|	10456	NM_199129	387521	Hs.744839	NM_199129	ENSG00000	TMEM189	KUA	transmemb	protein-coding
chr20-564	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr20	56472853	56479680	+	0	NA	intron (N	intron (N	7681	NM_001283	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding

chr21-334	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr21	33431335	33434534	+	0	NA	intron (N	AluSz6|SI	30038	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interfero	protein-coding
chr3-4704	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	47040038	47043692	+	0	NA	intron (N	intron (N	30323	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr3-6905	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	69058203	69062117	+	0	NA	intron (N	L3|LINE|C	-7827	NM_007114	7110	Hs.267632	NM_007114	ENSG00000	TMF1	ARA160|TM	TATA elem	protein-coding
chr3-1288	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	MLT1A|LTR	-36110	NR_162138	1.13E+08		NR_162138		MIR12124	-	microRNA	ncRNA
chr3-1326	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-24198	NR_002811	348808	Hs.586111	NR_002811	ENSG00000	NPHP3-AS1	NCRNA0011	NPHP3 ant	ncRNA
chr3-1430	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	Tigger1|D	28076	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr3-1856	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	L2a|LINE|	-41225	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr4-4276	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr4	427633	438897	+	0	NA	intron (N	MER50-int	40944	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr4-7076	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr4	70768649	70771778	+	0	NA	intron (N	Tigger1|D	35803	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr4-9888	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr4	98883721	98887225	+	0	NA	intron (N	AluJb|SIN	43660	NM_001130	1977	Hs.13211	NM_001968	ENSG00000	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr5-1040	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	10402172	10406653	+	0	NA	intron (N	intron (N	2048	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-3466	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	34665934	34668516	+	0	NA	intron (N	intron (N	10734	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-8046	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	80460169	80463434	+	0	NA	intron (N	AluSx1|SI	-26299	NM_205548	167555	Hs.338182	NM_205548	ENSG00000	FAM151B	UNQ9217	family wi	protein-coding
chr5-1328	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	11094	NM_052971	116842	Hs.337588	NM_052971	ENSG00000	LEAP2	LEAP-2	liver enr	protein-coding
chr5-1419	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJb|SIN	12727	NM_004290	9604	Hs.483616	NM_004290	ENSG00000	RNF14	ARA54|HFB	ring fing	protein-coding
chr5-1500	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	CR1_Mam|L	6144	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr5-1772	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSz|SIN	28720	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr6-2466	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr6	24662370	24664383	+	0	NA	intron (N	MIR|SINE|	3523	NM_016614	51567	Hs.403010	NM_016614	ENSG00000	TDP2	AD022|EAP	tyrosyl-D	protein-coding
chr6-3649	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr6	36495091	36498169	+	0	NA	intron (N	intron (N	50849	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr7-2481	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	24814351	24815669	+	0	NA	intron (N	intron (N	-57071	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr7-4405	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	44052421	44057898	+	0	NA	intron (N	L1MA4|LIN	3393	NR_106896	1.02E+08		NR_106896	ENSG00000	MIR6837	hsa-mir-6	microRNA	ncRNA
chr7-4420	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	44203922	44212979	+	0	NA	intron (N	intron (N	7472	NM_001363	10652	Hs.520794	NM_006555	ENSG00000	YKT6	-	YKT6 v-SN	protein-coding
chr7-7344	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	73440644	73448273	+	0	NA	intron (N	intron (N	10680	NM_003508	8326	Hs.647029	NM_003508	ENSG00000	FZD9	CD349|FZD	frizzled	protein-coding
chr7-1008	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	7170	NM_001015	402682	Hs.534845	NM_001015	ENSG00000	UFSP1	UFSP	UFM1 spec	protein-coding
chr7-1011	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSz6|SI	9307	NM_000602	5054	Hs.414795	NM_000602	ENSG00000	SERPINE1	PAI|PAI-1	serpin fa	protein-coding
chr8-3054	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr8	30544479	30550964	+	0	NA	TTS (NM_C	TTS (NM_C	-90859	NM_001206	1.01E+08	Hs.659493	NM_001206	ENSG00000	SMIM18	-	small int	protein-coding
chr8-8650	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr8	86503860	86506957	+	0	NA	intron (N	intron (N	3278	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr8-1237	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MB8|LIN	32068	NM_144963	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr9-3621	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr9	36218139	36224575	+	0	NA	intron (N	MIRb|SINE	30436	NM_001184	1211	Hs.522114	NM_001833	ENSG00000	CLTA	LCA	clathrin	protein-coding
chr9-1122	9.161355	0.124433	0.766611	0.162315	0.871057	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	THE1D-int	48818	NM_001244	9991	Hs.269988	NM_005156	ENSG00000	PTBP3	ROD1	polypyrim	protein-coding
chr1-9176	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	9176875	9180290	+	0	NA	intron (N	intron (N	-3622	NR_132738	1.03E+08	Hs.599298	NR_132738	ENSG00000	LNCTAM34A	GUARDIN|L	long non	ncRNA
chr1-3639	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	36392545	36394441	+	0	NA	TTS (NM_C	TTS (NM_C	4415	NM_032881	84967	Hs.603131	NM_032881	ENSG00000	LSM10	MST074|MS	LSM10, U7	protein-coding
chr1-1179	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	13530	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr1-1788	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-9786	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr1-1863	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-12004	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr1-2465	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	Tigger4|D	2589	NM_022366	64216	Hs.7395	NM_022366	ENSG00000	TFB2M	Hkp1|mtTF	transcrip	protein-coding
chr10-701	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr10	70110867	70115816	+	0	NA	3’ UTR (N	3’ UTR (N	19484	NM_032797	84883	Hs.650680	NM_032797	ENSG00000	AIFM2	AMID|PRG3	apoptosis	protein-coding
chr12-565	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr12	56540028	56541089	+	0	NA	intron (N	AluJr|SIN	18738	NM_002898	5939	Hs.505729	NM_002898	ENSG00000	RBMS2	SCR3	RNA bindi	protein-coding
chr12-986	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr12	98662355	98668432	+	0	NA	intron (N	L1ME4a|LI	20093	NM_181868	317	Hs.552567	NM_001160	ENSG00000	APAF1	APAF-1|CE	apoptotic	protein-coding
chr12-109	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	34736	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr12-121	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx|SIN	13615	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr12-121	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	21815	NM_001330	51433	Hs.7101	NM_016237	ENSG00000	ANAPC5	APC5	anaphase	protein-coding
chr13-322	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr13	32264861	32269451	+	0	NA	intron (N	intron (N	44798	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-492	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr13	49254353	49257971	+	0	NA	intron (N	intron (N	8237	NM_030911	81602	Hs.388220	NM_030911	ENSG00000	CDADC1	NYD-SP15|	cytidine	protein-coding
chr13-755	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr13	75573057	75574083	+	0	NA	intron (N	MLT1B|LTR	23820	NM_006002	7347	Hs.162241	NM_006002	ENSG00000	UCHL3	UCH-L3	ubiquitin	protein-coding
chr14-754	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr14	75431953	75436095	+	0	NA	intron (N	intron (N	1890	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr15-753	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr15	75386509	75387367	+	0	NA	intron (N	AluJb|SIN	-18311	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr16-160	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr16	16032986	16034371	+	0	NA	intron (N	AluSx|SIN	84062	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-249	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr16	24928729	24935270	+	0	NA	intron (N	AluJb|SIN	83370	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-251	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr16	25140031	25140230	+	0	NA	TTS (NR_C	TTS (NR_C	8902	NR_039998	1.01E+08	Hs.657576	NR_039998	ENSG00000	LCMT1-AS2	-	LCMT1 ant	ncRNA
chr16-672	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr16	67233393	67239339	+	0	NA	intron (N	intron (N	9236	NR_134524	29100	Hs.433203	NM_014187	ENSG00000	TMEM208	HSPC171	transmemb	protein-coding
chr17-394	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	39436049	39439955	+	0	NA	intron (N	AluSq2|SI	13261	NM_004774	5469	Hs.643754	NM_004774	ENSG00000	MED1	CRSP1|CRS	mediator	protein-coding
chr17-480	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	48069652	48071148	+	0	NA	3’ UTR (N	3’ UTR (N	22041	NM_003204	4779	Hs.514284	NM_003204	ENSG00000	NFE2L1	LCR-F1|NF	nuclear f	protein-coding
chr17-750	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	75051805	75054773	+	0	NA	intron (N	intron (N	6064	NM_015353	23510	Hs.514468	NM_015353	ENSG00000	KCTD2	-	potassium	protein-coding
chr17-752	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	75263588	75266719	+	0	NA	intron (N	AluSx1|SI	-2790	NM_001172	23163	Hs.87726	NM_014001	ENSG00000	GGA3	-	golgi ass	protein-coding
chr17-756	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	75662034	75663191	+	0	NA	exon (NM_	exon (NM_	-4504	NM_001301	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTR	SAP30 bin	protein-coding
chr17-802	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	80207634	80216994	+	0	NA	intron (N	intron (N	8019	NM_001352	6448	Hs.31074	NM_000199	ENSG00000	SGSH	HSS|MPS3A	N-sulfogl	protein-coding
chr17-802	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr17	80265550	80269994	+	0	NA	intron (N	Tigger1|D	6920	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr18-419	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr18	41999313	42000964	+	0	NA	intron (N	AluSq2|SI	44904	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr19-207	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr19	2074695	2079321	+	0	NA	exon (NM_	exon (NM_	19318	NM_130807	126308	Hs.744938	NM_130807	ENSG00000	MOB3A	MOB-LAK|M	MOB kinas	protein-coding
chr19-168	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr19	16839631	16843676	+	0	NA	intron (N	intron (N	12255	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 tran	protein-coding
chr19-467	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr19	46732884	46736156	+	0	NA	intron (N	intron (N	-11537	NM_001039	79147	Hs.515493	NM_024301	ENSG00000	FKRP	LGMD2I|LG	fukutin r	protein-coding
chr19-471	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr19	47143768	47146531	+	0	NA	intron (N	AluSp|SIN	14314	NM_001145	10055	Hs.515500	NM_005500	ENSG00000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr2-5526	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr2	55262083	55265020	+	0	NA	intron (N	AluSg4|SI	5628	NM_001005	4528	Hs.149894	NM_002453	ENSG00000	MTIF2	-	mitochond	protein-coding
chr2-6941	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr2	69412112	69415178	+	0	NA	intron (N	AluSz6|SI	23790	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-6993	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr2	69935729	69938099	+	0	NA	intron (N	intron (N	21805	NM_002357	4084	Hs.468908	NM_002357	ENSG00000	MXD1	BHLHC58|M	MAX dimer	protein-coding
chr2-2297	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-53335	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr20-583	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr20	58356786	58357323	+	0	NA	intron (N	L1ME3A|LI	-32065	NM_004738	9217	Hs.182625	NM_004738	ENSG00000	VAPB	ALS8|VAMP	VAMP asso	protein-coding
chr21-176	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr21	17603594	17604878	+	0	NA	exon (NM_	exon (NM_	-7450	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG00000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr21-323	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr21	32356257	32358780	+	0	NA	intron (N	intron (N	19804	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr21-363	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr21	36345823	36346196	+	0	NA	intron (N	AluSz|SIN	25812	NM_015358	23515	Hs.421150	NM_015358	ENSG00000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr22-205	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr22	20586383	20587904	+	0	NA	3’ UTR (N	3’ UTR (N	79096	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr22-382	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr22	38244128	38245856	+	0	NA	intron (N	intron (N	-20272	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr3-5006	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr3	50066344	50072068	+	0	NA	intron (N	intron (N	-19713	NM_005778	10181	Hs.439480	NM_005778	ENSG00000	RBM5	G15|H37|L	RNA bindi	protein-coding
chr3-5656	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr3	56567275	56570040	+	0	NA	intron (N	intron (N	11482	NM_001141	285331	Hs.476399	NM_001012	ENSG00000	CCDC66	-	coiled-co	protein-coding
chr3-5666	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr3	56664300	56666527	+	0	NA	intron (N	AluSx|SIN	-1367	NM_015224	23272	Hs.116877	NM_015224	ENSG00000	TASOR	C3orf63|F	transcrip	protein-coding
chr3-1238	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MEi|LIN	42198	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-7565	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr4	75652592	75658634	+	0	NA	intron (N	intron (N	17546	NM_012297	9908	Hs.303676	NM_012297	ENSG00000	G3BP2	-	G3BP stre	protein-coding
chr5-4542	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr5	454247	460441	+	0	NA	intron (N	intron (N	14168	NM_007277	11336	Hs.481464	NM_007277	ENSG00000	EXOC3	SEC6|SEC6	exocyst c	protein-coding
chr5-3470	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr5	34701194	34702848	+	0	NA	intron (N	AluSq2|SI	14462	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-3495	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr5	34950171	34952633	+	0	NA	intron (N	intron (N	21809	NM_001348	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr5-1729	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	3914	NM_003945	8992	Hs.484188	NM_003945	ENSG00000	ATP6V0E1	ATP6H|ATP	ATPase H+	protein-coding
chr5-1765	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluJb|SIN	32410	NM_014901	22838	Hs.434888	NM_014901	ENSG00000	RNF44	-	ring fing	protein-coding
chr6-7881	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr6	7881967	7883977	+	0	NA	non-codir	non-codir	27105	NM_001145	81567	Hs.150837	NM_022085	ENSG00000	TXNDC5	ENDOPDI|E	thioredox	protein-coding
chr6-5719	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr6	57191766	57192412	+	0	NA	intron (N	AluJr|SIN	19763	NM_004282	9532	Hs.745046	NM_004282	ENSG00000	BAG2	BAG-2|dJ4	BCL2 asso	protein-coding
chr6-1094	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	3476	NM_022765	64780	Hs.33476	NM_022765	ENSG00000	MICAL1	MICAL|MIC	microtubu	protein-coding
chr6-1121	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-48996	NR_121193	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr7-5391	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr7	5391174	5394293	+	0	NA	intron (N	AluJb|SIN	30813	NM_001080	84629	Hs.520638	NM_001013	ENSG00000	TNRC18	CAGL79|TN	trinuclec	protein-coding
chr7-7408	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr7	74085823	74089816	+	0	NA	intron (N	AluSz|SIN	4015	NM_002314	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr7-1030	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	MLT1K|LTR	9545	NM_001161	83787	Hs.287412	NM_031905	ENSG00000	ARMC10	PNAS-112|	armadillo	protein-coding
chr8-1244	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr8	12444802	12445159	+	0	NA	intron (N	LTR12C|LT	7967	NR_040091	1.01E+08	Hs.656893	NR_040091		LOC100506	-	uncharact	ncRNA
chr8-1726	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr8	17269297	17272462	+	0	NA	intron (N	MLT1G3-in	23921	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr9-1300	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluY|SINE	38807	NM_020960	57720	Hs.512461	NM_020960	ENSG00000	GPR107	GCDRP|LUS	G protein	protein-coding
chr9-1323	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	10258	NR_134525	7270	Hs.54780	NM_007344	ENSG00000	TTF1	TTF-1|TTF	transcrip	protein-coding
chr9-1341	7.665583	0.135328	0.833797	0.162304	0.871067	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	8067	NR_023344	1E+08	Hs.545589	NR_023344	ENSG00000	RNU6ATAC	RNU6ATAC1	RNA, U6at	snRNA
chr2-3256	7.369494	-0.14271	0.879381	-0.16228	0.871084	0.981636	chr2	32561893	32562793	+	0	NA	intron (N	L1MC2|LIN	12475	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr22-317	7.369494	-0.14271	0.879381	-0.16228	0.871084	0.981636	chr22	31724961	31725168	+	0	NA	intron (N	intron (N	25068	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr6-1439	7.369494	-0.14271	0.879381	-0.16228	0.871084	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	1345	NM_001317	5325	Hs.743225	NM_002656	ENSG00000	PLAGL1	LOT1|ZAC|	PLAG1 lik	protein-coding
chr2-2410	7.706722	0.137176	0.845294	0.162282	0.871084	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	5512	NM_182501	130916	Hs.159556	NM_182501	ENSG00000	MTERF4	MTERFD2	mitochond	protein-coding
chr1-1553	11.68959	0.112214	0.692034	0.16215	0.871187	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-24104	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr16-149	11.68959	0.112214	0.692034	0.16215	0.871187	0.981636	chr16	14985438	14986860	+	0	NA	intron (N	intron (N	11123	NM_001285	23042	Hs.370781	NM_015027	ENSG00000	PDXDC1	LP8165	pyridoxal	protein-coding
chr6-1508	6.462296	-0.15213	0.938222	-0.16215	0.871191	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	30266	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr6-8554	8.35897	-0.13059	0.805571	-0.16211	0.871216	0.981636	chr6	85542286	85543556	+	0	NA	intron (N	AluSz|SIN	50937	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting n	protein-coding
chr9-2690	8.35897	-0.13059	0.805571	-0.16211	0.871216	0.981636	chr9	26908435	26908792	+	0	NA	intron (N	AluSz|SIN	-15785	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr10-918	10.14482	0.118479	0.73253	0.161739	0.871511	0.981636	chr10	91819470	91821465	+	0	NA	intron (N	intron (N	22041	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr12-306	10.14482	0.118479	0.73253	0.161739	0.871511	0.981636	chr12	30662543	30663368	+	0	NA	intron (N	intron (N	14289	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr17-475	10.14482	0.118479	0.73253	0.161739	0.871511	0.981636	chr17	47569755	47570944	+	0	NA	intron (N	AluSz6|SI	39241	NM_006310	9520	Hs.443837	NM_006310	ENSG00000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr2-1914	10.14482	0.118479	0.73253	0.161739	0.871511	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	163984	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr4-1052	10.14482	0.118479	0.73253	0.161739	0.871511	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	77430	NR_126420	1.04E+08	Hs.624109	NR_126420		TET2-AS1	-	TET2 anti	ncRNA
chr15-429	8.219026	0.13362	0.82655	0.16166	0.871573	0.981636	chr15	42961390	42961862	+	0	NA	intron (N	AluSx|SIN	-40848	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr19-744	8.219026	0.13362	0.82655	0.16166	0.871573	0.981636	chr19	7444985	7445512	+	0	NA	intron (N	AluJr|SIN	5560	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr10-296	11.17729	0.113659	0.703139	0.161645	0.871585	0.981636	chr10	29655593	29658065	+	0	NA	intron (N	LOR1b|LTR	-21858	NM_021738	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr3-3337	11.17729	0.113659	0.703139	0.161645	0.871585	0.981636	chr3	33373725	33374399	+	0	NA	intron (N	intron (N	66316	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr11-130	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-14015	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr12-123	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJb|SIN	18749	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPP	M-phase p	protein-coding
chr13-111	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-22885	NM_001303	121793	Hs.210677	NM_152324	ENSG00000	TEX29	C13orf16|	testis ex	protein-coding
chr15-784	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr15	78490059	78490835	+	0	NA	exon (NM_	exon (NM_	-17117	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr16-252	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr16	2522329	2526557	+	0	NA	intron (N	intron (N	4072	NM_015944	51005	Hs.740430	NM_015944	ENSG00000	AMDHD2	CGI-14	amidohydr	protein-coding
chr17-320	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr17	32035721	32036795	+	0	NA	intron (N	AluSz|SIN	-4078	NR_033412	6458	Hs.672460	NR_033412		SH3GL1P1	CNSA-P1|S	SH3 domai	pseudo
chr19-448	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr19	44884374	44888507	+	0	NA	intron (N	AluSz|SIN	-4780	NM_001128	10452	Hs.655909	NM_006114	ENSG00000	TOMM40	C19orf1|D	transloca	protein-coding
chr2-3243	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr2	32434310	32436133	+	0	NA	intron (N	MER5B|DNA	78193	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-9765	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr2	97657074	97657885	+	0	NA	exon (NM_	exon (NM_	6565	NM_005735	10120	Hs.98791	NM_005735	ENSG00000	ACTR1B	ARP1B|CTR	actin rel	protein-coding
chr2-1105	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MEg|LIN	-47091	NR_027145	1E+08	Hs.535619	NR_027144	ENSG00000	LIMS3-LOC	-	LIMS3-LOC	ncRNA

chr2-2195	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr2	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	2270	NM_001195	79586	Hs.516711	NM_024536	ENSG00000	CHPF	CHSY2|CSS	chondroit	protein-coding
chr21-465	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr21	46538904	46540315	+	0	NA	intron (N	intron (N	65473	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr4-8305	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr4	83057107	83060083	+	0	NA	intron (N	intron (N	23412	NM_001330	51138	Hs.190384	NM_016129	ENSG00000	COPS4	CSN4|SGN4	COP9 sign	protein-coding
chr4-8804	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr4	88041151	88044309	+	0	NA	intron (N	intron (N	35095	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr5-1347	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	Tigger2a|	17110	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1771	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	HSMAR1|DN	35433	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr5-1775	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	-2602	NM_001308	79930	Hs.720849	NM_024872	ENSG00000	DOK3	DOKL	docking p	protein-coding
chr7-2484	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr7	24848924	24851299	+	0	NA	intron (N	intron (N	42510	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORF	oxysterol	protein-coding
chr7-7453	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr7	74532813	74533570	+	0	NA	intron (N	AluSx|SIN	-62777	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr9-1333	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	3795	NM_133640	6837	Hs.78354	NM_006752	ENSG00000	MED22	MED24|SRE	mediator	protein-coding
chrX-2721	7.153279	0.139296	0.862118	0.161574	0.871641	0.981636	chrX	2721597	2725016	+	0	NA	intron (N	intron (N	-28746	NM_001141	7499	Hs.179675	NM_175569	ENSG00000	XG	PBDX	Xg glycop	protein-coding
chr20-277	30.07905	0.075375	0.466776	0.161479	0.871716	0.981636	chr20	27790199	27790448	+	0	NA	Intergeni	ALR/Alpha	812342	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr15-566	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr15	56698504	56698904	+	0	NA	3’ UTR (N	3’ UTR (N	35382	NM_001288	54816	Hs.511477	NM_017661	ENSG00000	ZNF280D	SUHW4|ZNF	zinc fing	protein-coding
chr15-812	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr15	81286184	81286888	+	0	NA	intron (N	L2c|LINE|	-10434	NM_004513	3603	Hs.459095	NM_004513	ENSG00000	IL16	LCF|NIL16	interleuk	protein-coding
chr16-821	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr16	82155144	82155843	+	0	NA	intron (N	intron (N	14731	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr17-349	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr17	34989457	34990385	+	0	NA	intron (N	intron (N	9409	NM_013975	3980	Hs.100299	NM_002311	ENSG00000	LIG3	LIG2|LIG3	DNA ligas	protein-coding
chr2-7394	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr2	73947071	73948941	+	0	NA	intron (N	intron (N	21126	NR_134898	1716	Hs.469022	NM_001929	ENSG00000	DGUOK	MTDPS3|NC	deoxyguar	protein-coding
chr2-2030	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSc|SIN	70421	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr21-290	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr21	29030845	29032544	+	0	NA	intron (N	AluSz|SIN	7026	NM_006447	10600	Hs.99819	NM_006447	ENSG00000	USP16	UBP-M|UBP	ubiquitin	protein-coding
chr7-9892	8.407968	-0.12999	0.805783	-0.16133	0.871836	0.981636	chr7	98926812	98932894	+	0	NA	intron (N	AluSx1|SI	48156	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr1-2442	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	24421525	24422325	+	0	NA	intron (N	MIR|SINE|	5900	NM_001322	57185	Hs.523442	NM_020448	ENSG00000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr1-2869	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	28697420	28698263	+	0	NA	intron (N	AluSc|SIN	29057	NM_006582	10691	Hs.632373	NM_006582	ENSG00000	GMEB1	P96PIF|PI	glucocort	protein-coding
chr1-2876	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	28769245	28770516	+	0	NA	TTS (NM_0	TTS (NM_0	32940	NM_001172	51441	Hs.532286	NM_016258	ENSG00000	YTHDF2	CAHL|HGRG	YTH N6-me	protein-coding
chr1-5509	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	55093207	55098984	+	0	NA	intron (N	intron (N	55873	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-1087	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	13833	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-1126	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSq2|SI	-25384	NM_001286	4343	Hs.514941	NM_020963	ENSG00000	MOV10	fSAP113|g	Mov10 RIS	protein-coding
chr1-1129	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L1M2|LINE	6771	NR_103744	1.01E+08	Hs.418285	NR_103743	ENSG00000	SLC16A1-A	-	SLC16A1 a	ncRNA
chr1-2241	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10195	NM_001321	8560	Hs.299878	NM_003676	ENSG00000	DEGS1	DEGS|DEGS	delta 4-d	protein-coding
chr10-690	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr10	69015668	69017497	+	0	NA	3’ UTR (N	3’ UTR (N	27779	NM_015634	26128	Hs.279580	NM_015634	ENSG00000	KIF1BP	KBP|KIAA1	KIF1 binc	protein-coding
chr11-467	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr11	46785522	46792168	+	0	NA	intron (N	L1ME3Cz|L	-26346	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr11-118	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	-23731	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr12-279	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr12	2798444	2800479	+	0	NA	intron (N	intron (N	4491	NM_002014	2288	Hs.524183	NM_002014	ENSG00000	FKBP4	FKBP51|FK	FKBP prol	protein-coding
chr12-962	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr12	96296609	96297482	+	0	NA	intron (N	intron (N	41547	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr14-965	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr14	96556014	96559310	+	0	NA	intron (N	intron (N	54797	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr2-2767	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr2	27675563	27679504	+	0	NA	intron (N	MIR3|SINE	-13693	NM_001282	9913	Hs.6232	NM_014860	ENSG00000	SUPT7L	SPT7L|STA	SPT7 like	protein-coding
chr22-498	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr22	49819671	49824001	+	0	NA	intron (N	intron (N	2495	NR_146334	23774	Hs.127950	NM_014577	ENSG00000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr3-1723	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	123242	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr4-8676	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr4	86769885	86770605	+	0	NA	intron (N	intron (N	79139	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr5-2734	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr5	273410	275195	+	0	NA	intron (N	intron (N	2656	NM_001267	10016	Hs.50823	NM_013232	ENSG00000	PDCD6	ALG-2|ALG	programme	protein-coding
chr5-1343	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	Intergeni	AluJb|SIN	18326	NM_080656	91368	Hs.156506	NM_080656	ENSG00000	CDKN2AIPN	C2AIL	CDKN2A ir	protein-coding
chr7-7458	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr7	74589793	74593175	+	0	NA	intron (N	AluSz|SIN	-4484	NR_162116	1.13E+08		NR_162116		MIR10525	-	microRNA	ncRNA
chr8-2219	8.649051	0.127073	0.787748	0.161312	0.871848	0.981636	chr8	22194937	22195922	+	0	NA	intron (N	intron (N	30057	NR_033403	649	Hs.1274	NM_001199	ENSG00000	BMP1	OI13|PCOL	bone morp	protein-coding
chr12-575	8.121031	0.133575	0.828097	0.161303	0.871855	0.981636	chr12	57539571	57539770	+	0	NA	intron (N	intron (N	7189	NM_001348	10540	Hs.289123	NM_006400	ENSG00000	DCTN2	DCTN50|DY	dynactin	protein-coding
chr20-344	8.121031	0.133575	0.828097	0.161303	0.871855	0.981636	chr20	34473226	34473649	+	0	NA	intron (N	intron (N	7112	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-350	8.121031	0.133575	0.828097	0.161303	0.871855	0.981636	chr20	35088910	35089568	+	0	NA	intron (N	(TA)n|Sim	3568	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr1-5206	12.63192	0.107188	0.664663	0.161267	0.871883	0.981636	chr1	52060313	52061564	+	0	NA	intron (N	intron (N	4643	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr1-1542	12.63192	0.107188	0.664663	0.161267	0.871883	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	FRAM|SINE	-2145	NM_001127	9898	Hs.490551	NM_014847	ENSG00000	UBAP2L	NICE-4|NI	ubiquitin	protein-coding
chr1-1852	11.64845	0.11087	0.68771	0.161216	0.871923	0.981636	chr1	185212	187667	+	0	NA	Intergeni	Intergeni	1519	NR_107062	1.02E+08		NR_107062	ENSG00000	MIR6859-2	hsa-mir-6	microRNA	ncRNA
chr1-1919	11.64845	0.11087	0.68771	0.161216	0.871923	0.981636	chr1	19195674	19201301	+	0	NA	intron (N	intron (N	11779	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr15-758	8.861566	-0.12723	0.789898	-0.16107	0.87204	0.981636	chr15	75869515	75870109	+	0	NA	intron (N	intron (N	25768	NM_001145	92912	Hs.23033	NM_173469	ENSG00000	UBE2Q2	-	ubiquitin	protein-coding
chr15-793	8.128889	0.131789	0.818415	0.16103	0.87207	0.981636	chr15	79316180	79316826	+	0	NA	intron (N	intron (N	5391	NM_001301	23423	Hs.71608	NM_007364	ENSG00000	TMED3	C15orf22|	transmemb	protein-coding
chr16-469	8.128889	0.131789	0.818415	0.16103	0.87207	0.981636	chr16	46970382	46971333	+	0	NA	intron (N	AluSp|SIN	2817	NM_005880	10294	Hs.368078	NM_005880	ENSG00000	DNAJA2	CPR3|DJ3|	DnaJ heat	protein-coding
chr6-2770	8.128889	0.131789	0.818415	0.16103	0.87207	0.981636	chr6	2770852	2771430	+	0	NA	promoter-	promoter-	-765	NM_001347	340156	Hs.127830	NM_001012	ENSG00000	MYLK4	SgK085	myosin li	protein-coding
chr8-4295	8.128889	0.131789	0.818415	0.16103	0.87207	0.981636	chr8	42959120	42961944	+	0	NA	intron (N	intron (N	63554	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr1-3218	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr1	32183605	32196258	+	0	NA	intron (N	intron (N	10256	NM_175852	200081	Hs.17987	NM_175852	ENSG00000	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr1-3931	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr1	39315222	39329883	+	0	NA	intron (N	intron (N	-86521	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr11-124	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	MIR3|SINE	6291	NM_001130	4013	Hs.152944	NM_014622	ENSG00000	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr12-109	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MEf|LIN	17592	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr16-160	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr16	16034866	16041522	+	0	NA	intron (N	(GATG)n|S	88578	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr17-121	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr17	12125048	12126714	+	0	NA	intron (N	intron (N	43982	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|	microRNA	ncRNA
chr2-2267	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	4534	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr4-4787	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr4	47872265	47875739	+	0	NA	intron (N	Tigger1|D	-35896	NM_001278	10699	Hs.518618	NM_006587	ENSG00000	CORIN	ATC2|CRN|	corin, se	protein-coding
chr5-3937	10.66499	0.115264	0.716153	0.160949	0.872133	0.981636	chr5	39370130	39384669	+	0	NA	intron (N	intron (N	-12904	NM_001737	735	Hs.654443	NM_001737	ENSG00000	C9	ARMD15|C9	complemen	protein-coding
chr1-5472	10.19382	0.118541	0.737819	0.160665	0.872357	0.981636	chr1	54721721	54725669	+	0	NA	intron (N	MIR|SINE|	7834	NM_004623	7268	Hs.412482	NM_004623	ENSG00000	TTC4	CNS1	tetratric	protein-coding
chr10-581	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr10	58196605	58197508	+	0	NA	intron (N	AluY|SINE	70838	NM_152230	253430	Hs.30280	NM_152230	ENSG00000	IPMK	-	inositol	protein-coding
chr12-306	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr12	30659177	30660280	+	0	NA	intron (N	AluY|SINE	17516	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr13-306	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr13	30650254	30651071	+	0	NA	intron (N	MER104|DN	16447	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr2-2031	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	109014	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr5-1477	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr5	1477457	1479308	+	0	NA	intron (N	intron (N	32474	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr5-6829	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr5	68297445	68298140	+	0	NA	3’ UTR (N	3’ UTR (N	5215	NM_001242	5295	Hs.132225	NM_181504	ENSG00000	PIK3R1	AGM7|GRB1	phosphoin	protein-coding
chr9-1229	6.640975	0.143827	0.89649	0.160434	0.872539	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSp|SIN	-8348	NM_006626	10773	Hs.654596	NM_006626	ENSG00000	ZBTB6	ZID|ZNF48	zinc fing	protein-coding
chr1-1847	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	48873	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrac	protein-coding
chr1-2199	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	-51701	NR_046437	55532	Hs.284450	NM_018713	ENSG00000	SLC30A10	HMDPC|HMN	solute ca	protein-coding
chr12-717	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr12	71784703	71786582	+	0	NA	exon (NM_	exon (NM_	30779	NM_014999	23011	Hs.524590	NM_014999	ENSG00000	RAB21	-	RAB21, me	protein-coding
chr15-417	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr15	41748816	41749412	+	0	NA	exon (NM_	exon (NM_	-25370	NM_001265	23005	Hs.513661	NM_014994	ENSG00000	MAPKBP1	JNKBP-1|J	mitogen-a	protein-coding
chr17-720	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr17	7201052	7204225	+	0	NA	intron (N	L1M5|LINE	2549	NM_001321	1742	Hs.463928	NM_001365	ENSG00000	DLG4	PSD95|SAP	discs lar	protein-coding
chr19-103	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr19	10390821	10395606	+	0	NA	intron (N	intron (N	10325	NR_031592	1E+08		NR_031592	ENSG00000	MIR1181	MIRN1181|	microRNA	ncRNA
chr19-544	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr19	54451120	54459835	+	0	NA	exon (NM_	exon (NM_	6278	NM_052925	114823	Hs.502378	NM_052925	ENSG00000	LENG8	pp13842	leukocyte	protein-coding
chr2-2743	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr2	27433426	27438568	+	0	NA	intron (N	intron (N	-6369	NM_001168	200634	Hs.59509	NM_173853	ENSG00000	KRTCAP3	KCP3	keratinoc	protein-coding
chr2-1974	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJr|SIN	16401	NR_132788	1.07E+08		NR_132788		SNORA105E	-	small nuc	snoRNA
chr5-1802	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	MLT1D|LTR	3064	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chr8-4783	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr8	47836964	47837283	+	0	NA	intron (N	intron (N	-98959	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr9-1054	9.681517	0.120572	0.751823	0.160373	0.872587	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	L1MB2|LIN	20883	NM_001287	83856	Hs.136901	NM_031919	ENSG00000	FSD1L	CCDC10|CS	fibronect	protein-coding
chr1-4561	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr1	45614098	45617613	+	0	NA	intron (N	Tigger4a|	8199	NM_001190	149483	Hs.18912	NM_152500	ENSG00000	CCDC17	-	coiled-co	protein-coding
chr1-1793	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MB8|LIN	26764	NM_003101	6646	Hs.445588	NM_003101	ENSG00000	SOAT1	ACACT|ACA	sterol O-	protein-coding
chr10-859	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr10	859901	864172	+	0	NA	intron (N	intron (N	69669	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-457	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr10	45741987	45742607	+	0	NA	intron (N	intron (N	15031	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr13-236	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr13	23668484	23670784	+	0	NA	TTS (NM_0	TTS (NM_0	90274	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr13-369	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr13	36990316	36991903	+	0	NA	intron (N	intron (N	8231	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr13-484	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr13	48417186	48417469	+	0	NA	intron (N	L1PA7|LIN	-4214	NM_001162	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr13-524	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr13	52426770	52427513	+	0	NA	intron (N	intron (N	-20969	NM_199263	55901	Hs.325667	NM_018676	ENSG00000	THSD1	TMTSP|UNG	thrombosp	protein-coding
chr14-516	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr14	51699358	51699867	+	0	NA	intron (N	MIRc|SINE	-17671	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr15-755	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr15	75504965	75505511	+	0	NA	intron (N	SVA_D|Ret	-49423	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr17-679	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr17	67925272	67925587	+	0	NA	intron (N	FLAM_C|SI	68177	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr2-9585	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr2	9585658	9590308	+	0	NA	intron (N	(TAGGAG)r	-32153	NM_003183	6868	Hs.404914	NM_003183	ENSG00000	ADAM17	ADAM18|CD	ADAM meta	protein-coding
chr2-2893	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr2	28932310	28936954	+	0	NA	intron (N	intron (N	6649	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr2-5461	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr2	54615732	54619152	+	0	NA	intron (N	intron (N	59048	NM_178313	6711	Hs.503178	NM_003128	ENSG00000	SPTBN1	ELF|HEL10	spectrin	protein-coding
chr20-490	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr20	49066108	49069287	+	0	NA	intron (N	intron (N	21385	NM_001316	1434	Hs.90073	NM_001316	ENSG00000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr3-1568	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr3	15688579	15692171	+	0	NA	intron (N	intron (N	6996	NR_036085	1E+08		NR_036085	ENSG00000	MIR3134	-	microRNA	ncRNA
chr5-1406	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	Charlie1a	3664	NM_002109	3035	Hs.528050	NM_002109	ENSG00000	HARS	CMT2W|HRS	histidyl-	protein-coding
chr7-7348	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr7	73484205	73490244	+	0	NA	intron (N	intron (N	35069	NM_032408	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr8-9016	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr8	9016649	9017457	+	0	NA	intron (N	AluSx3|SI	13927	NM_001354	90459	Hs.20000	NM_153332	ENSG00000	ERI1	3’HEXO|HE	exoribonu	protein-coding
chr9-1519	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr9	15192287	15192652	+	0	NA	intron (N	intron (N	57749	NM_001168	158219	Hs.563630	NM_152574	ENSG00000	TTC39B	C9orf52	tetratric	protein-coding
chr9-9229	7.897513	-0.13217	0.824384	-0.16033	0.872625	0.981636	chr9	92296755	92300397	+	0	NA	intron (N	intron (N	-4820	NR_073446	3376	Hs.445403	NM_002161	ENSG00000	IARS	GRIDHH|IA	isoleucyl	protein-coding
chr5-1128	7.402775	-0.13828	0.862768	-0.16028	0.872661	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	-41980	NM_001204	6728	Hs.637001	NM_003135	ENSG00000	SRP19	-	signal re	protein-coding
chr1-6697	9.632519	0.120525	0.751988	0.160275	0.872665	0.981636	chr1	66970709	66972164	+	0	NA	intron (N	intron (N	41180	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr13-460	9.632519	0.120525	0.751988	0.160275	0.872665	0.981636	chr13	46005871	46006204	+	0	NA	intron (N	AluSg|SIN	46709	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr17-160	9.632519	0.120525	0.751988	0.160275	0.872665	0.981636	chr17	16077975	16081980	+	0	NA	exon (NM_	exon (NM_	73219	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr6-5660	9.632519	0.120525	0.751988	0.160275	0.872665	0.981636	chr6	56608496	56609731	+	0	NA	intron (N	intron (N	33776	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr9-1124	9.632519	0.120525	0.751988	0.160275	0.872665	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	non-codin	non-codin	-15257	NM_001287	158405	Hs.656619	NM_133465	ENSG00000	KIAA1958	-	KIAA1958	protein-coding
chr1-7756	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr1	77564960	77567275	+	0	NA	exon (NM_	exon (NM_	116541	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1989	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	Tigger1|D	17901	NR_040073	1E+08	Hs.711077	NR_040073		MIR181A1H	-	MIR181A1	ncRNA
chr11-105	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr11	10518737	10520053	+	0	NA	intron (N	intron (N	-10209	NM_001190	1E+08		NM_001190	ENSG00000	MTRNR2L8	HN8	MT-RNR2 l	protein-coding
chr11-466	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr11	46646098	46647270	+	0	NA	intron (N	AluSq|SIN	29408	NM_001346	9776	Hs.127403	NM_014741	ENSG00000	ATG13	KIAA0652|	autophagy	protein-coding
chr11-573	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr11	57307987	57310453	+	0	NA	exon (NM_	exon (NM_	15732	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr12-132	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	TTS (NM_0	TTS (NM_0	12434	NM_001170	192111	Hs.102558	NM_138575	ENSG00000	PGAM5	BXLBV68	PGAM fami	protein-coding
chr16-696	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr16	69628048	69630157	+	0	NA	intron (N	intron (N	63136	NM_138713	10725	Hs.371987	NM_006599	ENSG00000	NFAT5	NF-AT5|NF	nuclear f	protein-coding
chr17-146	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr17	1464172	1484338	+	0	NA	intron (N	AluSx1|SI	11146	NM_001363	4641	Hs.286226	NM_033375	ENSG00000	MYO1C	MMI-beta|	myosin IC	protein-coding
chr2-1572	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	10126	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr2-2192	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	5042	NM_005689	10058	Hs.107911	NM_005689	ENSG00000	ABCB6	ABC|LAN|M	ATP bindi	protein-coding
chr20-325	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr20	3258397	3259579	+	0	NA	intron (N	L2c|LINE|	-19798	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr3-1286	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	18430	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr3-1499	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	L1PA6|LIN	49041	NM_002628	5217	Hs.91747	NM_002628	ENSG00000	PFN2	D3S1319E|	profilin	protein-coding

chr4-1435	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-9299	NR_003675	441046	Hs.135705	NM_001011	ENSG0000C	GUSBP5	GYPELOC44	GUSB pse	pseudo
chr5-3730	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr5	37304932	37305796	+	0	NA	intron (N	AluJo|SIN	-55936	NM_023073	65250	Hs.586199	NM_023073	ENSG0000C	CPLANE1	C5orf42|I	ciliogene	protein-coding
chr5-7147	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr5	71470368	71472725	+	0	NA	intron (N	intron (N	15895	NM_018429	55814	Hs.258272	NM_018429	ENSG0000C	BDP1	DFNB112|I	B double	protein-coding
chr5-1384	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSg4|SI	-5910	NR_073449	51308	Hs.41609C	NM_016606	ENSG0000C	REEP2	C5orf19|S	receptor	protein-coding
chr9-9800	8.40011	-0.12831	0.800769	-0.16023	0.872697	0.981636	chr9	98005090	98006059	+	0	NA	intron (N	intron (N	22233	NM_006401	10541	Hs.730654	NM_006401	ENSG0000C	ANP32B	APRIL|PHA	acidic nu	protein-coding
chr1-1662	12.16862	0.108381	0.676628	0.160178	0.872741	0.981636	chr1	16626214	16626792	+	0	NA	intron (N	intron (N	4403	NR_026752	84809	Hs.631865	NR_026752	ENSG0000C	CROCCP2	CROCCL1	CROCC pse	pseudo
chr9-1268	8.812569	-0.128	0.799703	-0.16006	0.872833	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	MIRb|SINE	3582	NM_001099	403341	Hs.177633	NM_203482	ENSG0000C	ZBTB34	ZNF918	zinc fing	protein-coding
chr1-3899	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr1	38998558	39007620	+	0	NA	intron (N	intron (N	11813	NM_024595	79647	Hs.293563	NM_024595	ENSG0000C	AKIRIN1	C1orf108|	akirin 1	protein-coding
chr1-4025	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr1	40259801	40263425	+	0	NA	intron (N	L2c|LINE|	3377	NM_005857	10269	Hs.132642	NM_005857	ENSG0000C	ZMPSTE24	FACE-1|FA	zinc meta	protein-coding
chr1-1093	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MA9|LIN	-25811	NM_001265	343263	Hs.443402	NM_00101C	ENSG0000C	MYBPHL	-	myosin bi	protein-coding
chr10-286	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr10	28614790	28620176	+	0	NA	intron (N	intron (N	-60038	NM_012342	25805	Hs.533336	NM_012342	ENSG0000C	BAMBI	NMA	BMP and a	protein-coding
chr10-101	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-15566	NM_006993	10360	Hs.90691	NM_006993	ENSG0000C	NPM3	PORMIN|TM	nucleopho	protein-coding
chr11-344	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr11	34460752	34470103	+	0	NA	intron (N	intron (N	26493	NM_001752	847	Hs.502302	NM_001752	ENSG0000C	CAT	-	catalase	protein-coding
chr11-105	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	5091	NM_001223	834	Hs.2490	NM_001223	ENSG0000C	CASP1	ICE|IL1BC	caspase 1	protein-coding
chr14-497	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr14	49778296	49786646	+	0	NA	3’ UTR (N	3’ UTR (N	14318	NM_014315	23588	Hs.509264	NM_014315	ENSG0000C	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-885	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr14	88571558	88580249	+	0	NA	exon (NM_	exon (NM_	12556	NM_001326	79882	Hs.684046	NM_024824	ENSG0000C	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr14-103	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	39246	NM_00110C	7517	Hs.592325	NM_005432	ENSG0000C	XRCC3	CMM6	X-ray rep	protein-coding
chr16-275	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr16	27523952	27529105	+	0	NA	intron (N	HAL1|LINE	23385	NM_00152C	2975	Hs.371718	NM_00152C	ENSG0000C	GTF3C1	TFIIIC|TF	general t	protein-coding
chr17-160	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr17	16069288	16072419	+	0	NA	intron (N	AluSq2|SI	71029	NM_017775	54902	Hs.462316	NM_017775	ENSG0000C	TTC19	20102040I	tetratric	protein-coding
chr17-429	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr17	42959428	42962149	+	0	NA	intron (N	L2a|LINE|	3666	NM_001261	80755	Hs.317403	NM_001261	ENSG0000C	AARSD1	-	alanyl-tR	protein-coding
chr17-554	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr17	55406022	55414359	+	0	NA	intron (N	MIR3|SINE	11645	NM_012329	23531	Hs.463483	NM_012329	ENSG0000C	MMD	MMA|MMD1|	monocyte	protein-coding
chr17-803	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr17	80341345	80346157	+	0	NA	intron (N	intron (N	-71416	NR_148041	284131	Hs.389678	NM_173627	ENSG0000C	ENDOV	-	endonucle	protein-coding
chr17-803	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr17	80385161	80391050	+	0	NA	intron (N	AluY|SINE	-27062	NR_148041	284131	Hs.389678	NM_173627	ENSG0000C	ENDOV	-	endonucle	protein-coding
chr19-443	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr19	44327957	44339645	+	0	NA	intron (N	MSTA|LTR|	22879	NM_001083	7771	Hs.48589	NM_01338C	ENSG0000C	ZNF112	ZFP112|ZN	zinc fing	protein-coding
chr2-6933	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr2	69333549	69340006	+	0	NA	intron (N	AluJo|SIN	50450	NM_002056	2673	Hs.58030C	NM_002056	ENSG0000C	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-1602	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-4399	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG0000C	LINC02478	-	long inte	ncRNA
chr3-5840	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr3	58405593	58412083	+	0	NA	intron (N	intron (N	24994	NM_000925	5162	Hs.161357	NM_000925	ENSG0000C	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr5-5528	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr5	55285275	55298948	+	0	NA	intron (N	L1MB3|LIN	15583	NM_001345	54505	Hs.593268	NM_01903C	ENSG0000C	DHX29	DDX29	DExH-box	protein-coding
chr5-1341	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	FLAM_C|SI	-21973	NM_00693C	6500	Hs.171626	NM_00693C	ENSG0000C	SKP1	EMC19|OCP	S-phase k	protein-coding
chr6-3284	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr6	32846555	32851612	+	0	NA	exon (NM_	exon (NM_	3678	NM_001292	6890	Hs.352018	NM_000593	ENSG0000C	TAP1	ABC17|ABC	transport	protein-coding
chr7-7547	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr7	75471896	75475614	+	0	NA	intron (N	AluYa5|SI	12544	NR_160303	1E+08	Hs.712563	NM_001099	ENSG0000C	POM121C	POM121-2	POM121 tr	protein-coding
chr8-1411	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L1MB5|LIN	9657	NR_148197	22898	Hs.18166	NM_014957	ENSG0000C	DENND3	-	DENN doma	protein-coding
chr9-1213	10.15268	0.117046	0.731398	0.160031	0.872857	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	17851	NM_000177	2934	Hs.522373	NM_000177	ENSG0000C	GSN	ADF|AGEL	gelsolin	protein-coding
chr2-6280	7.954369	-0.13323	0.832618	-0.16001	0.872873	0.981636	chr2	62806492	62807137	+	0	NA	intron (N	L1MCa|LIN	99917	NM_001354	23301	Hs.271667	NM_015252	ENSG0000C	EHBP1	HPC12|NAC	EH domain	protein-coding
chr1-9238	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr1	92388296	92389225	+	0	NA	3’ UTR (N	3’ UTR (N	89701	NM_024813	79871	Hs.444421	NM_024813	ENSG0000C	RPAP2	C1orf82|R	RNA polym	protein-coding
chr10-459	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr10	45926808	45927461	+	0	NA	intron (N	L1ME2z|LI	45240	NR_160518	1.14E+08		NR_160518		PARGP1-AC	-	PARGP1-AC	pseudo
chr12-112	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-36599	NR_106921	1.02E+08		NR_106921	ENSG0000C	MIR6861	hsa-mir-6	microRNA	ncRNA
chr13-951	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr13	95156753	95160483	+	0	NA	intron (N	intron (N	-51726	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-590	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr15	59065847	59069911	+	0	NA	intron (N	intron (N	-37267	NM_004701	9133	Hs.194698	NM_004701	ENSG0000C	CCNB2	HsT17299	cyclin B2	protein-coding
chr17-369	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr17	36995683	36998143	+	0	NA	intron (N	intron (N	-36832	NR_036056	1E+08		NR_036056	ENSG0000C	MIR2909	-	microRNA	ncRNA
chr18-241	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr18	24166496	24167480	+	0	NA	intron (N	intron (N	27504	NM_138644	26256	Hs.511983	NM_012189	ENSG0000C	CABYR	CABYRa|CA	calcium b	protein-coding
chr19-393	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr19	39385716	39386567	+	0	NA	exon (NM_	exon (NM_	4965	NM_001256	54623	Hs.466714	NM_019088	ENSG0000C	PAF1	F23149_1|	PAF1 homo	protein-coding
chr2-1696	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx1|SI	21389	NM_004792	9360	Hs.470544	NM_004792	ENSG0000C	PPIG	CARS-Cyp|	peptidylp	protein-coding
chr21-255	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr21	25591966	25592693	+	0	NA	intron (N	L1MD1|LIN	-9105	NR_024092	282566	Hs.384586	NR_024092	ENSG0000C	LINC00515	C21orf71|	long inte	ncRNA
chr3-1722	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	THE1B|LTR	201146	NM_001135	64778	Hs.744888	NM_022763	ENSG0000C	FNDC3B	FAD104|PR	fibronect	protein-coding
chr3-1722	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	MamRTE1|L	159898	NM_004122	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth ho	protein-coding
chr7-8820	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr7	88207243	88210487	+	0	NA	intron (N	intron (N	-7795	NR_120517	1.03E+08	Hs.48904C	NR_120517		LOC102723	-	uncharact	ncRNA
chr8-9370	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr8	93703571	93707034	+	0	NA	intron (N	intron (N	4752	NR_156452	137392	Hs.125038	NM_145269	ENSG0000C	FAM92A	FAM92A1|F	family wi	protein-coding
chr8-9988	8.136747	0.130031	0.812875	0.159964	0.872909	0.981636	chr8	99881219	99883222	+	0	NA	intron (N	L1MB2|LIN	11487	NM_004374	1345	Hs.351875	NM_004374	ENSG0000C	COX6C	-	cytochrom	protein-coding
chr10-285	11.13615	0.112286	0.702051	0.15994	0.872928	0.981636	chr10	28524061	28526025	+	0	NA	intron (N	L1M4|LINE	7311	NR_033805	220906	Hs.403253	NR_033805		WAC-AS1	-	WAC antis	ncRNA
chr16-224	11.13615	0.112286	0.702051	0.15994	0.872928	0.981636	chr16	22472136	22474050	+	0	NA	intron (N	AluY|SINE	-31356	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019C	-	uncharact	ncRNA
chr6-1341	12.63978	0.106015	0.662959	0.159911	0.872951	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	3107	NM_001291	6446	Hs.510078	NM_005627	ENSG0000C	SGK1	SGK	serum/glu	protein-coding
chr1-1513	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	6290	NM_00133C	5298	Hs.632465	NM_002651	ENSG0000C	PI4KB	NPIK|PI4K	phosphati	protein-coding
chr1-1656	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	L1PA6|LIN	5034	NM_001365	223	Hs.2533	NM_000696	ENSG0000C	ALDH9A1	ALDH4|ALD	aldehyde	protein-coding
chr1-1931	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	13240	NR_031691	1E+08		NR_031691	ENSG0000C	MIR1278	MIRN1278|	microRNA	ncRNA
chr1-2401	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	89116	NM_020066	56776	Hs.24889	NM_020066	ENSG0000C	FMN2	-	formin 2	protein-coding
chr1-2402	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1M4b|LIN	134112	NM_020066	56776	Hs.24889	NM_020066	ENSG0000C	FMN2	-	formin 2	protein-coding
chr11-170	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr11	17091034	17091788	+	0	NA	exon (NM_	exon (NM_	-13744	NM_001017	6207	Hs.446588	NM_001017	ENSG0000C	RPS13	S13	ribosomal	protein-coding
chr11-653	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr11	65398580	65399670	+	0	NA	intron (N	AluY|SINE	12488	NM_00130C	83786	Hs.578433	NM_031904	ENSG0000C	FRMD8	FKSG44|iT	FERM doma	protein-coding
chr11-704	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr11	70424756	70438563	+	0	NA	intron (N	intron (N	33130	NM_001184	2017	Hs.596164	NM_005231	ENSG0000C	CTTN	EMS1	cortactin	protein-coding
chr12-458	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr12	45885654	45886771	+	0	NA	intron (N	THE1C-int	104362	NM_004719	9169	Hs.210367	NM_004719	ENSG0000C	SCAF11	CASP11|SF	SR-relate	protein-coding
chr12-510	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr12	51007341	51008263	+	0	NA	intron (N	AluJb|SIN	1413	NM_001174	4891	Hs.505545	NM_000617	ENSG0000C	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr12-132	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSp|SIN	16030	NM_001161	55743	Hs.720197	NM_018223	ENSG0000C	CHFR	RNF116|RN	checkpoin	protein-coding
chr13-793	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr13	79364566	79367350	+	0	NA	intron (N	intron (N	40263	NM_001286	64062	Hs.558528	NM_018605	ENSG0000C	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-711	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr14	71109470	71109954	+	0	NA	intron (N	intron (N	202253	NM_001308	22990	Hs.446559	NM_014982	ENSG0000C	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr15-349	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr15	34928336	34932528	+	0	NA	intron (N	intron (N	39310	NM_014691	9716	Hs.510958	NM_014691	ENSG0000C	AQR	IBP160|fS	aquarius	protein-coding
chr15-893	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr15	89315217	89328453	+	0	NA	exon (NM_	exon (NM_	4975	NR_106824	1.02E+08		NR_106824	ENSG0000C	MIR6766	hsa-mir-6	microRNA	ncRNA
chr16-146	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr16	14661724	14665285	+	0	NA	intron (N	AluY|SINE	30553	NM_016561	51283	Hs.435556	NM_016561	ENSG0000C	BFAR	BAR|RNF47	bifunctic	protein-coding
chr17-318	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr17	31869365	31875809	+	0	NA	intron (N	AluJo|SIN	-13343	NM_018405	55352	Hs.462729	NM_018405	ENSG0000C	COPRS	C17orf79|	coordinat	protein-coding
chr17-429	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr17	42987309	42989641	+	0	NA	intron (N	AluSx1|SI	7910	NM_001321	146923	Hs.632255	NM_173079	ENSG0000C	RUNDC1	-	RUN domai	protein-coding
chr17-679	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr17	67931944	67935564	+	0	NA	intron (N	intron (N	59852	NM_181656	284018	Hs.90790	NM_181655	ENSG0000C	C17orf58	-	chromosom	protein-coding
chr18-593	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr18	59336267	59342677	+	0	NA	intron (N	L1PB4|LIN	19793	NM_00557C	3998	Hs.465295	NM_00557C	ENSG0000C	LMAN1	ERGIC-53|	lectin, m	protein-coding
chr19-357	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr19	35721394	35727318	+	0	NA	intron (N	AluJo|SIN	6337	NM_014727	9757	Hs.92236	NM_014727	ENSG0000C	KMT2B	CXXC10|DY	lysine me	protein-coding
chr19-458	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr19	45828586	45849922	+	0	NA	intron (N	L1MC4|LIN	23893	NM_004819	8189	Hs.515475	NM_004819	ENSG0000C	SYMPK	SPK|SYM	symplekin	protein-coding
chr2-1638	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr2	1638914	1640071	+	0	NA	intron (N	intron (N	105023	NM_012293	7837	Hs.332197	NM_012293	ENSG0000C	PXDN	ASGD7|COR	peroxidas	protein-coding
chr2-1784	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	AluSx1|SI	10766	NM_019091	65977	Hs.41086	NM_019091	ENSG0000C	PLEKHA3	FAPP1	pleckstri	protein-coding
chr20-345	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr20	34533090	34537796	+	0	NA	3’ UTR (N	3’ UTR (N	-11401	NM_181509	84557	Hs.632273	NM_032514	ENSG0000C	MAP1LC3A	ATG8E|LC3	microtubu	protein-coding
chr20-496	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr20	49651617	49656297	+	0	NA	intron (N	intron (N	59921	NM_004776	9334	Hs.370487	NM_004776	ENSG0000C	B4GALT5	B4Gal-T5|	beta-1,4-	protein-coding
chr20-619	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr20	61991136	61993583	+	0	NA	intron (N	HAL1M8|LI	-38697	NR_031658	1E+08		NR_031658	ENSG0000C	MIR1257	MIRN1257|	microRNA	ncRNA
chr20-637	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr20	63709246	63716557	+	0	NA	intron (N	AluSz|SIN	4873	NM_032527	84619	Hs.590868	NM_032527	ENSG0000C	ZGPAT	GPATC6|GP	zinc fing	protein-coding
chr22-265	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr22	26502280	26509893	+	0	NA	intron (N	intron (N	6387	NM_012143	24144	Hs.20225	NM_012143	ENSG0000C	TFIP11	NTR1|STIP	tuftelin	protein-coding
chr3-1256	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr3	12569136	12575410	+	0	NA	exon (NM_	exon (NM_	15186	NM_014160	23609	Hs.591666	NM_014160	ENSG0000C	MKRN2	HSPC070|R	makorin r	protein-coding
chr3-4897	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr3	48978777	48981191	+	0	NA	intron (N	intron (N	-9924	NM_177938	54681	Hs.654944	NM_017732	ENSG0000C	P4HTM	EGLN4|HIF	prolyl 4-	protein-coding
chr4-9907	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr4	99079459	99086223	+	0	NA	intron (N	AluSx3|SI	5947	NM_000671	128	Hs.78989	NM_000671	ENSG0000C	ADH5	ADH-3|ADH	alcohol d	protein-coding
chr5-6938	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr5	69383431	69385328	+	0	NA	intron (N	AluJb|SIN	12925	NM_133339	5884	Hs.16184	NM_002873	ENSG0000C	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr5-1736	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr5	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	8230	NM_138369	91272	Hs.425091	NM_138369	ENSG0000C	BOD1	FAM44B	biorienta	protein-coding
chr6-7187	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr6	7187295	7189929	+	0	NA	intron (N	intron (N	80651	NM_001003	6239	Hs.298248	NM_002955	ENSG0000C	RREB1	FINB|HNT|	ras respo	protein-coding
chr7-7293	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr7	72939420	72944189	+	0	NA	intron (N	intron (N	12959	NR_033323	260294	Hs.510927	NM_148936	ENSG0000C	NSUN5P2	NOL1R2|NS	NSUN5 pse	pseudo
chr7-1573	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	31969	NR_058246	10049	Hs.490745	NM_005494	ENSG0000C	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-1320	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	MIRb|SINE	54605	NM_00108C	729330	Hs.653174	NM_00108C	ENSG0000C	OC90	PLA2L	otoconin	protein-coding
chr9-2692	9.169213	0.122848	0.76836	0.159884	0.872972	0.981636	chr9	26921215	26926305	+	0	NA	intron (N	intron (N	-23230	NM_001099	80173	Hs.145402	NM_025103	ENSG0000C	IFT74	BBS20|CCD	intraflag	protein-coding
chr10-924	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr10	92453978	92455064	+	0	NA	exon (NM_	exon (NM_	35860	NR_038243	1.01E+08	Hs.568772	NR_038243		MARK2P9	-	microtubu	pseudo
chr11-984	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr11	9845799	9847131	+	0	NA	intron (N	intron (N	7323	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG0000C	LOC10192	-	uncharact	ncRNA
chr12-110	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	12847	NM_033121	88455	Hs.528703	NM_033121	ENSG0000C	ANKRD13A	ANKRD13|N	ankyrin r	protein-coding
chr13-112	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	30208	NM_006322	10426	Hs.224152	NM_006322	ENSG0000C	TUBGCP3	104p|ALP6	tubulin g	protein-coding
chr13-113	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	non-codir	non-codir	17314	NM_000705	496	Hs.434202	NM_000705	ENSG0000C	ATP4B	ATP6B	ATPase H+	protein-coding
chr15-506	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr15	50613223	50615090	+	0	NA	exon (NM_	exon (NM_	-67490	NM_203494	373509	Hs.677758	NM_203494	ENSG0000C	USP50	-	ubiquitin	protein-coding
chr16-746	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr16	74657887	74661362	+	0	NA	intron (N	intron (N	7253	NM_018124	55159	Hs.567525	NM_018124	ENSG0000C	RFWD3	FANCW|RNF	ring fing	protein-coding
chr18-878	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr18	8788544	8790783	+	0	NA	intron (N	intron (N	72282	NM_015210	23255	Hs.707920	NM_015210	ENSG0000C	MTCL1	CCDC165|K	microtubu	protein-coding
chr18-368	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr18	36806930	36807835	+	0	NA	intron (N	intron (N	21620	NM_00133C	25941	Hs.436636	NM_015476	ENSG0000C	TPGS2	C18orf10|	tubulin p	protein-coding
chr19-108	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr19	10804756	10805063	+	0	NA	intron (N	L1MC|LINE	12587	NR_029586	406976		NR_029586	ENSG0000C	MIR199A1	MIR-199-s	microRNA	ncRNA
chr3-1946	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	intron (N	-18217	NM_001166	93109	Hs.478729	NM_138399	ENSG0000C	TMEM44	-	transmemb	protein-coding
chr4-3437	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr4	343721	346476	+	0	NA	intron (N	intron (N	-5059	NR_030297	693156		NR_030297	ENSG0000C	MIR571	MIRN571|I	microRNA	ncRNA
chr4-1221	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr4	1221187	1221873	+	0	NA	intron (N	L1ME3|LIN	11410	NR_104331	285463	Hs.707614	NR_104331	ENSG0000C	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr4-1688	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	AluSx1|SI	57091	NM_001367	23022	Hs.15122C	NM_016081	ENSG0000C	PALLD	CGI-151|(	palladin,	protein-coding
chr5-1427	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr5	14273617	14274477	+	0	NA	intron (N	L1MC5a|LI	130705	NM_007118	7204	Hs.130031	NM_007118	ENSG0000C	TRIO	ARHGEF23|	trio Rho	protein-coding
chr5-6608	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr5	66086255	66087590	+	0	NA	Intergeni	MER5A|DNA	-57378	NM_001323	140890	Hs.49367	NM_139168	ENSG0000C	SREK1	SFRS12|SF	splicing	protein-coding
chr6-3189	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr6	31894115	31894869	+	0	NA	intron (N	AluSx|SIN	2497	NM_001318	10919	Hs.709218	NM_006709	ENSG0000C	EHMT2	BAT8|C6or	euchromat	protein-coding
chr8-2306	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr8	23061502	23065319	+	0	NA	intron (N	L1MB2|LIN	-4819	NR_038873	286059	Hs.306673	NR_038873	ENSG0000C	LOC28605	-	TNF recep	pseudo
chr8-4312	7.443915	-0.13586	0.849903	-0.15985	0.872998	0.981636	chr8	43125828	43126464	+	0	NA	Intergeni	Intergeni	-14318	NM_001363	138050	Hs.600384	NM_152419	ENSG0000C	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr6-6357	12.11962	0.108329	0.678366	0.159691	0.873125	0.981636	chr6	63576280	63581903	+	0	NA	intron (N	intron (N	7079	NM_003463	7803	Hs.227777	NM_003463	ENSG0000C	PTP4A1	HH72|PRL-	protein t	protein-coding
chr6-1113	12.11962	0.108329	0.678366	0.159691	0.873125	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-102650	NR_034108	643749	Hs.486228	NR_034108	ENSG0000C	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr15-506	8.853708	-0.1256	0.786741	-0.15964	0.873164	0.981636	chr15	50641211	50643464	+	0	NA	intron (N	MER58A|DN	44460	NR_149154	54822	Hs.512894	NM_017672	ENSG0000C	TRPM7	ALSPDC|CH	transient	protein-coding
chr3-3313	8.853708	-0.1256	0.786741	-0.15964	0.873164	0.981636	chr3	33136442	33137000	+	0	NA	intron (N	MSTB|LTR|	22763	NM_006371	10491	Hs.517888	NM_006371	ENSG0000C	CRTAP	CASP|LEPR	cartilage	protein-coding
chr6-1284	6.949177	-0.14248	0.892683	-0.15961	0.873188	0.981636	chr6	1.28E+08	1.28E+08	+	0	NA	intron (N	MIR|SINE|	29995	NM_001291	5796	Hs.155919	NM_002844	ENSG0000C	PTPRK	R-PTP-kap	protein t	protein-coding
chrX-1507	6.949177	-0.14248	0.892683	-0.15961	0.873188	0.981636	chrX	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	20946	NM_001353	8776	Hs.347187	NM_003828	ENSG0000C	MTMR1	-	myotubula	protein-coding
chr18-127	6.503436	-0.14911	0.934516	-0.15956	0.87323	0.981636	chr18	12718488	12718946	+	0	NA	intron (N	intron (N	15675	NM_020232	56984	Hs.464652	NM_020232	ENSG0000C	PSMG2	CLAST3|HC	proteasom	protein-coding
chr1-1708	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr1	1708332	1710174	+	0	NA	intron (N	intron (N	9314	NR_002946	8511	Hs.67176C	NR_002946	ENSG0000C	MMP23A	MIFR|MIFR	matrix me	pseudo
chr1-3795	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr1	37956455	37958162	+	0	NA	3’ UTR (N	3’ UTR (N	-10251	NR_158628	3633	Hs.449942	NM_00554C	ENSG0000C	INPP5B	5PTase	inositol	protein-coding
chr10-734	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr10	73474260	73475377	+	0	NA	intron (N	intron (N	-20934	NR_132103	1.02E+08	Hs.434502	NR_132103	ENSG0000C	PPP3CB-AS	USP54-AS1	PPP3CB ar	ncRNA
chr11-656	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr11	65603045	65608186	+	0	NA	intron (N	intron (N	8606	NM_002419	4296	Hs.502872	NM_002419	ENSG0000C	MAP3K11	MEKK11|ML	mitogen-a	protein-coding
chr12-923	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr12	923952	928518	+	0	NA	intron (N	AluJo|SIN	6841	NM_001297	5893	Hs.410355	NM_134422	ENSG0000C	RAD52	-	RAD52 hom	protein-coding
chr14-730	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr14	73080570	73081488	+	0	NA	intron (N	AluSx1|SI	22495	NM_021239	58517	Hs.531106	NM_021239	ENSG0000C	RBM25	NET52|REI	RNA bindi	protein-coding

chr17-602	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr17	60221059	60223493	+	0	NA	intron (N	intron (N	9369	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr17-699	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr17	69964871	69965801	+	0	NA	intron (N	MLT1J1-ir	3629	NR_110875	1.03E+08	Hs.451409	NR_110874	ENSG00000	LINC01497	-	long inte	ncRNA
chr2-2414	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	AluSx1|SI	57519	NM_014808	9855	Hs.726316	NM_014808	ENSG00000	FARP2	FIR|FRG|F	FERM, ARH	protein-coding
chr6-2960	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr6	29609248	29609650	+	0	NA	intron (N	intron (N	18779	NM_021903	2550	Hs.167017	NM_001470	ENSG00000	GABBR1	GABABR1|G	gamma-ami	protein-coding
chr6-3744	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr6	37448958	37450808	+	0	NA	intron (N	L2c|LINE|	16662	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr8-3842	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr8	38427476	38429832	+	0	NA	intron (N	intron (N	39070	NM_001174	2260	Hs.264887	NM_015850	ENSG00000	FGFR1	BFGFR|CD3	fibroblas	protein-coding
chr9-1248	8.185745	0.130037	0.816073	0.159344	0.873398	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	12879	NM_030978	81873	Hs.132499	NM_030978	ENSG00000	ARPC5L	ARC16-2	actin rel	protein-coding
chr1-2916	7.946511	-0.13151	0.825324	-0.15934	0.8734	0.981636	chr1	29165810	29166877	+	0	NA	intron (N	intron (N	15557	NM_005626	6429	Hs.469970	NM_005626	ENSG00000	SRSF4	SFRS4|SRF	serine ar	protein-coding
chr12-570	7.946511	-0.13151	0.825324	-0.15934	0.8734	0.981636	chr12	57099277	57100459	+	0	NA	exon (NM_	exon (NM_	10421	NM_001178	6778	Hs.524518	NM_003153	ENSG00000	STAT6	D12S1644|	signal tr	protein-coding
chr14-919	7.946511	-0.13151	0.825324	-0.15934	0.8734	0.981636	chr14	91987099	91988170	+	0	NA	intron (N	intron (N	-39932	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr4-8873	7.946511	-0.13151	0.825324	-0.15934	0.8734	0.981636	chr4	88730831	88731671	+	0	NA	intron (N	intron (N	21462	NR_002806	285512	Hs.744957	NR_002806	ENSG00000	FAM13A-AS	FAM13A10S	FAM13A ar	ncRNA
chr6-1579	7.946511	-0.13151	0.825324	-0.15934	0.8734	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-53520	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr16-288	11.65631	0.109615	0.687929	0.159341	0.8734	0.981636	chr16	28825487	28836099	+	0	NA	intron (N	intron (N	7745	NM_145714	11273	Hs.460499	NM_007245	ENSG00000	ATXN2L	A2D|A2LG|	ataxin 2	protein-coding
chr19-388	11.65631	0.109615	0.687929	0.159341	0.8734	0.981636	chr19	38835788	38847435	+	0	NA	intron (N	intron (N	8366	NM_001533	3191	Hs.644906	NM_001533	ENSG00000	HNRNPL	HNRPL|P/C	heteroger	protein-coding
chr19-574	11.65631	0.109615	0.687929	0.159341	0.8734	0.981636	chr19	57490485	57494763	+	0	NA	intron (N	intron (N	4874	NM_001098	79744	Hs.744339	NM_024691	ENSG00000	ZNF419	ZAPHIR|ZN	zinc fing	protein-coding
chr3-1292	11.65631	0.109615	0.687929	0.159341	0.8734	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSc|SIN	-6094	NR_106884	1.02E+08		NR_106884	ENSG00000	MIR6826	hsa-mir-6	microRNA	ncRNA
chr6-1079	11.65631	0.109615	0.687929	0.159341	0.8734	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	Tigger1|D	39868	NM_007214	11231	Hs.26904	NM_007214	ENSG00000	SEC63	DNAJC23|E	SEC63 hom	protein-coding
chr1-5507	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr1	55075781	55075986	+	0	NA	intron (N	AluJr|SIN	35661	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr13-449	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr13	44999454	45000700	+	0	NA	intron (N	intron (N	10539	NM_018559	55425	Hs.731811	NM_018559	ENSG00000	GPALPP1	AD029|KIA	GPALPP mo	protein-coding
chr16-283	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr16	28377277	28380122	+	0	NA	TTS (NM_C	TTS (NM_C	12352	NR_107058	1.02E+08		NR_107058	ENSG00000	MIR6862-2	hsa-mir-6	microRNA	ncRNA
chr19-221	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr19	2210283	2211123	+	0	NA	exon (NM_	exon (NM_	23446	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr2-6394	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr2	63941205	63942405	+	0	NA	intron (N	AluSz|SIN	77623	NM_016516	51542	Hs.48499	NM_016516	ENSG00000	VPS54	HCC8|PPP1	VPS54 sub	protein-coding
chr4-1780	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr4	17802606	17804503	+	0	NA	exon (NM_	exon (NM_	7203	NR_144303	54876	Hs.614787	NM_017741	ENSG00000	DCAF16	C4orf30	DDB1 and	protein-coding
chr8-5696	8.698049	0.127074	0.797655	0.159309	0.873425	0.981636	chr8	56963405	56964266	+	0	NA	exon (NM_	exon (NM_	30032	NM_017813	54928	Hs.438689	NM_017813	ENSG00000	IMPAD1	GPAPP|IMF	inositol	protein-coding
chr1-7778	8.351112	-0.129	0.81027	-0.1592	0.873511	0.981636	chr1	7778296	7779743	+	0	NA	intron (N	AluY|SINE	-5168	NM_001289	8863	Hs.162200	NM_016831	ENSG00000	PER3	FASPS3|GI	period ci	protein-coding
chr16-670	8.351112	-0.129	0.81027	-0.1592	0.873511	0.981636	chr16	67067740	67067975	+	0	NA	intron (N	L1M4a1|LI	38708	NM_001368	865	Hs.460988	NM_001755	ENSG00000	CBFB	PEBP2B	core-binc	protein-coding
chr16-302	16.1672	0.095727	0.601344	0.159188	0.873521	0.981636	chr16	30252496	30252926	+	0	NA	Intergeni	AluSx|SIN	-4298	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr1-2186	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr1	21863688	21865505	+	0	NA	intron (N	MIRb|SINE	52331	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr1-3165	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr1	31653119	31653500	+	0	NA	intron (N	MIRb|SINE	-8433	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr1-4344	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr1	43443422	43444466	+	0	NA	intron (N	intron (N	-4595	NR_106793	1.02E+08		NR_106793	ENSG00000	MIR6735	hsa-mir-6	microRNA	ncRNA
chr1-2028	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	FLAM_A|SI	-8946	NM_002871	5877	Hs.90875	NM_002871	ENSG00000	RABIF	MSS4|RASC	RAB inter	protein-coding
chr10-100	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	11379	NM_017902	55662	Hs.500788	NM_017902	ENSG00000	HIF1AN	FIH1	hypoxia i	protein-coding
chr11-104	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr11	10498194	10500952	+	0	NA	intron (N	MIR|SINE|	8753	NR_039705	1.01E+08		NR_039705	ENSG00000	MIR4485	mir-4485	microRNA	ncRNA
chr12-123	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	24876	NM_012463	23545	Hs.25786	NM_012463	ENSG00000	ATP6V0A2	A2|ARCL|A	ATPase H+	protein-coding
chr16-368	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr16	3685596	3686494	+	0	NA	exon (NM_	exon (NM_	31341	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribo	protein-coding
chr16-485	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr16	4853143	4859661	+	0	NA	intron (N	intron (N	8022	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr19-448	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr19	44895357	44898114	+	0	NA	intron (N	L2b|LINE|	5481	NM_006114	10452	Hs.655909	NM_006114	ENSG00000	TOMM40	C19orf1|D	transloca	protein-coding
chr2-3831	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr2	38312186	38312798	+	0	NA	intron (N	AluSx3|SI	64038	NM_001330	64225	Hs.594950	NM_022374	ENSG00000	ATL2	ARL3IP2|A	atlastin	protein-coding
chr21-392	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr21	39239585	39240433	+	0	NA	intron (N	L1MC1|LIN	-56495	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr22-467	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr22	46793741	46794094	+	0	NA	intron (N	intron (N	19990	NM_001284	25771	Hs.435044	NM_014346	ENSG00000	TBC1D22A	C22orf4|H	TBC1 doma	protein-coding
chr3-1238	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L3|LINE|C	66183	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1722	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	MLT1D|LTR	181614	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr4-3153	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr4	3153871	3154944	+	0	NA	exon (NM_	exon (NM_	79726	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr5-1484	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	41392	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr7-1491	7.673441	0.133407	0.838084	0.159181	0.873526	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L2a|LINE|	6529	NM_003575	8427	Hs.729056	NM_003575	ENSG00000	ZNF282	HUB1	zinc fing	protein-coding
chr1-2643	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	26435737	26448380	+	0	NA	intron (N	L1ME2z|LI	9737	NM_205861	79947	Hs.369385	NM_024887	ENSG00000	DHDDS	CIT|CPT|D	dehydrodo	protein-coding
chr1-3754	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	37546208	37548961	+	0	NA	intron (N	AluSz|SIN	6709	NM_024700	79753	Hs.47232	NM_024700	ENSG00000	SNIP1	PML1|PMRE	Smad nucl	protein-coding
chr1-1444	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	L1MB5|LIN	19167	NM_173638	284565	Hs.523572	NM_173638	ENSG00000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr1-1798	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx3|SI	9342	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr1-2365	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	32363	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTF	HEAT repe	protein-coding
chr1-2402	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	LTR67B|LT	110295	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-933	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr10	93315388	93329846	+	0	NA	intron (N	intron (N	159717	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-956	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr10	95638869	95639085	+	0	NA	intron (N	AluJb|SIN	17734	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr11-651	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr11	65128043	65132421	+	0	NA	promoter-	promoter-	-254	NR_106809	1.02E+08		NR_106809	ENSG00000	MIR6751	hsa-mir-6	microRNA	ncRNA
chr11-108	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	MSTA|LTR|	12156	NM_001321	4863	Hs.171061	NM_002519	ENSG00000	NPAT	E14|E14/N	nuclear p	protein-coding
chr11-118	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	7707	NM_001257	1656	Hs.408461	NM_004397	ENSG00000	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr12-121	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSq|SIN	14448	NM_001353	23067	Hs.507122	NM_015048	ENSG00000	SETD1B	KMT2G|Set	SET domai	protein-coding
chr13-480	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr13	48076613	48083475	+	0	NA	TTS (NR_C	TTS (NR_C	2907	NR_046511	1.01E+08	Hs.616241	NR_046511	ENSG00000	MED4-AS1	MED4-AS	MED4 anti	ncRNA
chr13-482	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr13	48254822	48257136	+	0	NA	intron (N	intron (N	22773	NM_021999	9445	Hs.643683	NM_021999	ENSG00000	ITM2B	ABRI|BRI|	integral	protein-coding
chr14-353	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr14	35314713	35318370	+	0	NA	intron (N	intron (N	24159	NM_002791	5687	Hs.446260	NM_002791	ENSG00000	PSMA6	IOTA|PROS	proteasom	protein-coding
chr14-547	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr14	54759401	54765939	+	0	NA	intron (N	intron (N	7837	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr14-602	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr14	60285702	60286730	+	0	NA	3’ UTR (N	3’ UTR (N	-36980	NR_146481	1.02E+08		NR_146481	ENSG00000	LINC02322	-	long inte	ncRNA
chr15-485	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr15	48518329	48520950	+	0	NA	intron (N	intron (N	126149	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-904	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr15	90491230	90496080	+	0	NA	intron (N	intron (N	-36268	NM_022769	64784	Hs.567572	NM_022769	ENSG00000	CRTC3	TORC-3|TC	CREB regu	protein-coding
chr16-188	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr16	188387	191149	+	0	NA	3’ UTR (N	3’ UTR (N	9309	NM_005331	3049	Hs.247921	NM_005331	ENSG00000	HBQ1	HBQ	hemoglobi	protein-coding
chr16-247	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr16	24788672	24801408	+	0	NA	intron (N	intron (N	-50823	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr17-460	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr17	46030919	46035704	+	0	NA	intron (N	intron (N	34061	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr17-747	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr17	74771456	74773535	+	0	NA	intron (N	MIRb|SINE	3850	NM_001305	26151	Hs.144058	NM_015654	ENSG00000	NAT9	EBSP, hNA	N-acetylt	protein-coding
chr17-818	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr17	81894214	81897398	+	0	NA	intron (N	AluSc5|SI	3879	NM_001289	51529	Hs.534456	NM_016476	ENSG00000	ANAPC11	APC11|Apc	anaphase	protein-coding
chr18-459	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr18	45919511	45923890	+	0	NA	intron (N	intron (N	45629	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr18-509	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr18	50974440	50978603	+	0	NA	intron (N	THE1B|LTR	8481	NM_018696	55520	Hs.657360	NM_018696	ENSG00000	ELAC1	D29	elaC ribo	protein-coding
chr19-110	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	11099962	11131061	+	0	NA	intron (N	AluJr|SIN	2037	NR_106946	1.02E+08		NR_106946	ENSG00000	MIR6886	hsa-mir-6	microRNA	ncRNA
chr19-111	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	11172065	11178961	+	0	NA	intron (N	AluJr|SIN	19077	NM_015493	25959	Hs.284208	NM_015493	ENSG00000	KANK2	ANKRD25|M	KN motif	protein-coding
chr19-168	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	16876081	16876748	+	0	NA	intron (N	intron (N	-12585	NM_003950	9002	Hs.137574	NM_003950	ENSG00000	F2RL3	PAR4	F2R like	protein-coding
chr19-325	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	32597410	32599424	+	0	NA	intron (N	intron (N	10052	NR_145718	1.1E+08		NR_145718	ENSG00000	SNORA68B	-	small nuc	snoRNA
chr19-490	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	49002174	49007827	+	0	NA	intron (N	MLT1J|LTR	-4906	NR_106856	1.02E+08		NR_106856	ENSG00000	MIR6798	hsa-mir-6	microRNA	ncRNA
chr19-495	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr19	49599736	49605769	+	0	NA	intron (N	AluSq2|SI	11570	NM_020719	57479	Hs.590971	NM_020719	ENSG00000	PRR12	KIAA1205	proline r	protein-coding
chr2-5587	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	55876112	55879963	+	0	NA	intron (N	intron (N	45745	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-6107	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	61070913	61072572	+	0	NA	exon (NM_	exon (NM_	5533	NM_001330	84542	Hs.468653	NM_032506	ENSG00000	KIAA1841	-	KIAA1841	protein-coding
chr2-7023	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	70231875	70235886	+	0	NA	intron (N	intron (N	14748	NR_147227	7072	Hs.413123	NM_022037	ENSG00000	TIA1	TIA-1|WDM	TIA1 cyto	protein-coding
chr2-7452	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	74525357	74528129	+	0	NA	promoter-	promoter-	-512	NM_133637	165545	Hs.191705	NM_133637	ENSG00000	DQX1	-	DEAQ-box	protein-coding
chr2-1274	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	MIR|SINE|	35191	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr2-1592	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	43060	NR_106948	1.02E+08		NR_106948	ENSG00000	MIR6888	hsa-mir-6	microRNA	ncRNA
chr2-1967	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	L1PA11|LI	2864	NM_001206	9330	Hs.470996	NM_012086	ENSG00000	GTF3C3	TFIIIC102	general t	protein-coding
chr2-2004	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	41491	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr22-502	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr22	50285528	50290528	+	0	NA	exon (NM_	exon (NM_	-17648	NR_110887	5600	Hs.57732	NM_002751	ENSG00000	MAPK11	P38B|P38E	mitogen-a	protein-coding
chr3-1012	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr3	10124801	10128484	+	0	NA	3’ UTR (N	3’ UTR (N	10967	NM_018462	55845	Hs.649307	NM_018462	ENSG00000	BRK1	C3orf10|H	BRICK1 su	protein-coding
chr3-4904	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr3	49041626	49047777	+	0	NA	intron (N	intron (N	-15303	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMF	inosine m	protein-coding
chr3-1291	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSp|SIN	5333	NM_020701	57461	Hs.512661	NM_020701	ENSG00000	ISY1	FSAP33	ISY1 spli	protein-coding
chr3-1677	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	15851	NM_145860	11235	Hs.478150	NM_007217	ENSG00000	PDCD10	CCM3|TFAR	programme	protein-coding
chr4-2692	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr4	26922707	26923540	+	0	NA	intron (N	L1HS|LINE	62282	NM_020860	57620	Hs.744950	NM_020860	ENSG00000	STIM2	-	stromal i	protein-coding
chr4-8704	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr4	87046879	87048322	+	0	NA	intron (N	intron (N	40599	NM_005935	4299	Hs.480190	NM_005935	ENSG00000	AFF1	AF4|MLLT2	AF4/FMR2	protein-coding
chr5-1322	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	L2|LINE|L	5299	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr5-1345	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	53159	NM_015288	23338	Hs.732155	NM_015288	ENSG00000	JADE2	JADE-2|PH	jade fami	protein-coding
chr5-1347	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluJr4|SI	22027	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1384	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSp|SIN	-18999	NR_073449	51308	Hs.416090	NM_016606	ENSG00000	REEP2	C5orf19|S	receptor	protein-coding
chr5-1506	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	9594	NM_001109	11346	Hs.435228	NM_007286	ENSG00000	SYNPO	-	synaptopo	protein-coding
chr6-5303	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr6	53039310	53040507	+	0	NA	intron (N	L2a|LINE|	21894	NM_016513	22858	Hs.417022	NM_014920	ENSG00000	ICK	ECO|EJM10	intestina	protein-coding
chr6-1600	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJr4|SI	-41305	NR_003288	729603	Hs.674810	NR_003288	ENSG00000	LOC729603	-	calcineur	pseudo
chr7-7294	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr7	72945189	72950370	+	0	NA	TTS (NR_C	TTS (NR_C	6984	NR_033323	260294	Hs.510927	NM_148936	ENSG00000	NSUN5P2	NOL1R2|NS	NSUN5 pse	pseudo
chr7-9905	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr7	99051226	99058277	+	0	NA	intron (N	intron (N	41586	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1283	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	16279	NM_018077	55131	Hs.274263	NM_018077	ENSG00000	RBM28	ANES	RNA bindi	protein-coding
chr7-1300	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	MER1A|DNA	28478	NM_001363	51530	Hs.194157	NM_016478	ENSG00000	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr9-1047	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	30490	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr9-1140	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L1ME2|LIN	55911	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-1268	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-26647	NM_001099	403341	Hs.177633	NM_203482	ENSG00000	ZBTB34	ZNF918	zinc fing	protein-coding
chr9-1285	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSx1|SI	12204	NM_001499	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr9-1285	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSp|SIN	21955	NM_001499	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr9-1314	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	MIR|SINE|	-19322	NR_003050	692093		NR_003050	ENSG00000	SNORD62B	U62|U62B	small nuc	snoRNA
chrX-4004	8.656909	0.125402	0.787925	0.159155	0.873547	0.981636	chrX	40049820	40053888	+	0	NA	3’ UTR (N	3’ UTR (N	45612	NM_001123	54880	Hs.659681	NM_017745	ENSG00000	BCOR	ANOP2|MAA	BCL6 core	protein-coding
chr11-119	5.665364	0.155217	0.975975	0.159038	0.873639	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	48934	NM_005188	867	Hs.504096	NM_005188	ENSG00000	CBL	C-CBL|CBL	Cbl proto	protein-coding
chr10-355	6.177668	0.148992	0.937245	0.158968	0.873694	0.981636	chr10	35568446	35569559	+	0	NA	intron (N	intron (N	-36339	NM_153368	219770	Hs.638922	NM_153368	ENSG00000	GJD4	CX40.1	gap junct	protein-coding
chr11-653	6.177668	0.148992	0.937245	0.158968	0.873694	0.981636	chr11	65391888	65393246	+	0	NA	intron (N	intron (N	5930	NM_001300	83786	Hs.578433	NM_031904	ENSG00000	FRMD8	FKSG44|iT	FERM doma	protein-coding
chr17-181	6.177668	0.148992	0.937245	0.158968	0.873694	0.981636	chr17	1810428	1811383	+	0	NA	intron (N	LTR1A2|LT	18997	NM_052928	114826	Hs.514602	NM_052928	ENSG00000	SMYD4	ZMYND21	SET and M	protein-coding
chr17-772	6.177668	0.148992	0.937245	0.158968	0.873694	0.981636	chr17	77298137	77299453	+	0	NA	intron (N	intron (N	10904	NM_001113	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr7-7319	14.11836	-0.10052	0.632458	-0.15894	0.873718	0.981636	chr7	73191132	73196455	+	0	NA	intron (N	intron (N	-26846	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr1-7763	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr1	77632046	77633153	+	0	NA	exon (NM_	exon (NM_	50059	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1737	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	23930	NM_001171	91687	Hs.531856	NM_033319	ENSG00000	CENPL	C1orf155|	centromer	protein-coding
chr10-286	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr10	28681550	28684412	+	0	NA	TTS (NM_C	TTS (NM_C	5460	NM_012342	25805	Hs.533336	NM_012342	ENSG00000	BAMBI	NMA	BMP and a	protein-coding
chr11-123	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	MIRb|SINE	-22894	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr14-214	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr14	21409001	21417369	+	0	NA	intron (N	intron (N	-15784	NR_002916	319103	Hs.680078	NR_002916	ENSG00000	SNORD8	RNU6C|mgU	small nuc	snoRNA
chr14-777	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr14	77746857	77751113	+	0	NA	intron (N	L2c|LINE|	-11783	NR_161323	283579	Hs.375834	NM_174943	ENSG00000	C14orf178	-	chromosom	ncRNA
chr16-195	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr16	19542148	19544826	+	0	NA	intron (N	MER11A|LT	-12216	NR_158161	57020	Hs.654964	NM_020314	ENSG00000	VPS35L	C16orf62	VPS35 enc	protein-coding

chr16-466	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr16	46670489	46672534	+	0	NA	intron (N	AluSx3|SI	17667	NM_018206	55737	Hs.454528	NM_018206	ENSG00000	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr2-8502	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr2	85027937	85031154	+	0	NA	intron (N	AluJb|SIN	37802	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr5-1775	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr5	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	3196	NM_017510	54732	Hs.279929	NM_017510	ENSG00000	TMED9	GMP25|HSC	transmemb	protein-coding
chr7-9889	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr7	98891083	98894750	+	0	NA	intron (N	intron (N	11219	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr7-9892	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr7	98924902	98926513	+	0	NA	intron (N	intron (N	44010	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr7-1569	9.640377	0.119022	0.749286	0.158848	0.873789	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	4592	NM_138400	64434	Hs.15825	NM_138400	ENSG00000	NOM1	C7orf3|PF	nucleolar	protein-coding
chr10-750	7.616585	0.135201	0.851423	0.158794	0.873831	0.981636	chr10	75026536	75027552	+	0	NA	intron (N	AluSx|SIN	5311	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr3-5031	7.616585	0.135201	0.851423	0.158794	0.873831	0.981636	chr3	50319410	50319611	+	0	NA	intron (N	intron (N	3235	NM_003773	8692	Hs.76873	NM_003773	ENSG00000	HYAL2	LUCA2	hyaluroni	protein-coding
chr5-7463	7.616585	0.135201	0.851423	0.158794	0.873831	0.981636	chr5	74634272	74634982	+	0	NA	intron (N	intron (N	-5396	NM_001292	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamir	protein-coding
chr11-183	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr11	18305617	18307031	+	0	NA	exon (NM_	exon (NM_	15816	NM_007216	11234	Hs.437599	NM_007216	ENSG00000	HPS5	AIBP63|BL	HPS5 biog	protein-coding
chr11-830	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr11	83073869	83074710	+	0	NA	TTS (NR_C	TTS (NR_C	2223	NR_038903	1.01E+08	Hs.503429	NR_038903	ENSG00000	RAB30-DT	RAB30-AS1	RAB30 div	ncRNA
chr12-118	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	3439	NM_022491	64426	Hs.416630	NM_022491	ENSG00000	SUDS3	SAP45|SDS	SDS3 homc	protein-coding
chr13-727	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr13	72791352	72793679	+	0	NA	exon (NM_	exon (NM_	10382	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr14-697	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr14	69778417	69779067	+	0	NA	intron (N	intron (N	-11029	NR_029378	1E+08	Hs.729250	NR_029378		LOC100289	-	uncharact	ncRNA
chr14-731	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr14	73199873	73201748	+	0	NA	intron (N	AluSz|SIN	-36696	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr16-299	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr16	29963951	29966124	+	0	NA	intron (N	intron (N	2958	NR_161465	124446	Hs.460574	NM_194280	ENSG00000	TMEM219	IGFBP-3R	transmemb	protein-coding
chr17-671	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr17	67121594	67124005	+	0	NA	intron (N	intron (N	78245	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr18-231	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr18	23189150	23191414	+	0	NA	intron (N	intron (N	34457	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr19-408	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr19	4089269	4092037	+	0	NA	exon (NM_	exon (NM_	-23754	NM_015898	51341	Hs.591384	NM_015898	ENSG00000	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr19-983	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr19	9838289	9844267	+	0	NA	intron (N	intron (N	5960	NR_038830	5300	Hs.465849	NM_006221	ENSG00000	PIN1	DOD|UBL5	peptidylp	protein-coding
chr2-2083	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-12580	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyrc	protein-coding
chr2-2416	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	16923	NR_033255	1841	Hs.471873	NM_012145	ENSG00000	DTYMK	CDC8|PP37	deoxythym	protein-coding
chr21-372	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr21	37236774	37237762	+	0	NA	intron (N	intron (N	28765	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr3-1194	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	Tigger1|D	20379	NR_073506	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr4-1222	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	49602	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr6-1493	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	intron (N	L2|LINE|L	-18094	NM_001002	387082	Hs.657168	NM_001002	ENSG00000	SUMO4	IDDM5|SMT	small ubi	protein-coding
chr6-1552	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	24807	NM_016020	51106	Hs.279908	NM_016020	ENSG00000	TFB1M	CGI-75|CC	transcrip	protein-coding
chr6-1579	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-59379	NM_003898	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1025	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	5' UTR (N	5' UTR (N	678	NM_001363	1.08E+08		NM_001363	ENSG00000	UPK3BL2	-	uroplakir	protein-coding
chr9-9547	7.161137	0.137252	0.864534	0.158759	0.873859	0.981636	chr9	95471693	95474025	+	0	NA	intron (N	intron (N	9250	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr9-1518	5.153061	0.162555	1.024678	0.15864	0.873953	0.981636	chr9	15187063	15187390	+	0	NA	intron (N	intron (N	62992	NM_001168	158219	Hs.563630	NM_152574	ENSG00000	TTC39B	C9orf52	tetratric	protein-coding
chr14-951	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr14	95115059	95116435	+	0	NA	exon (NM_	exon (NM_	17756	NM_001195	23405	Hs.87889	NM_030621	ENSG00000	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr16-366	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr16	3661629	3663063	+	0	NA	intron (N	intron (N	7642	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribc	protein-coding
chr16-749	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr16	74923056	74924029	+	0	NA	intron (N	AluSx|SIN	61581	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr2-9508	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr2	95089418	95091312	+	0	NA	intron (N	intron (N	31192	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochonc	protein-coding
chr5-1297	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	LTR9D|LTR	-23216	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr7-7433	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr7	74339037	74340295	+	0	NA	intron (N	MIR|SINE|	50191	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIF	CAP-Gly c	protein-coding
chr7-1003	6.689972	0.143678	0.905869	0.158608	0.873978	0.981636	chr7	1E+08	1E+08	+	0	NA	promoter-	promoter-	-336	NR_106899	1.02E+08		NR_106899	ENSG00000	MIR6840	hsa-mir-6	microRNA	ncRNA
chr15-784	12.12748	0.107107	0.6755	0.15856	0.874015	0.981636	chr15	78488341	78489227	+	0	NA	intron (N	intron (N	-18780	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr1-6596	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr1	6596885	6599362	+	0	NA	intron (N	intron (N	4746	NM_001324	9903	Hs.7764	NM_014851	ENSG00000	KLHL21	-	kelch lik	protein-coding
chr1-6666	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr1	66664357	66667811	+	0	NA	intron (N	L1PA6|LIN	37644	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1095	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-6626	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr10-151	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr10	15102180	15106098	+	0	NA	exon (NM_	exon (NM_	6784	NM_006414	10557	Hs.94986	NM_006414	ENSG00000	RPP38	-	ribonucle	protein-coding
chr10-689	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr10	68944545	68945836	+	0	NA	intron (N	L1M5|LINE	-10980	NM_004728	9188	Hs.223141	NM_004728	ENSG00000	DDX21	GUA|GURDE	DExD-box	protein-coding
chr11-119	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	2977	NM_001311	7070	Hs.644697	NM_006288	ENSG00000	THY1	CD90|CDw9	Thy-1 cel	protein-coding
chr11-128	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr11	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9339	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS protc	protein-coding
chr12-144	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr12	14435953	14438785	+	0	NA	intron (N	intron (N	52088	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IF	activatir	protein-coding
chr13-514	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr13	51455702	51456214	+	0	NA	Intergeni	MER52A|LT	2613	NR_103812	1.01E+08	Hs.594897	NR_103812	ENSG00000	INTS6-AS1	-	INTS6 ant	ncRNA
chr13-112	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-103363	NR_046661	1.01E+08	Hs.658692	NR_046661	ENSG00000	ATP11A-AS	-	ATP11A ar	ncRNA
chr14-311	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr14	31139166	31141782	+	0	NA	intron (N	FAM|SINE|	67319	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-677	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr14	67796437	67798958	+	0	NA	exon (NM_	exon (NM_	18893	NM_015346	23503	Hs.98041	NM_015346	ENSG00000	ZFYVE26	FYVE-CENT	zinc fing	protein-coding
chr14-777	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr14	77726510	77727584	+	0	NA	intron (N	L1MA4|LIN	18944	NR_052025	81892	Hs.655105	NM_031210	ENSG00000	SLIRP	C14orf156	SRA stem-	protein-coding
chr15-434	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr15	43424352	43428364	+	0	NA	intron (N	AluSz|SIN	55257	NM_001286	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr15-572	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr15	57246737	57247963	+	0	NA	intron (N	intron (N	27920	NM_001306	6938	Hs.511504	NM_003205	ENSG00000	TCF12	CRS3|HEB|	transcrip	protein-coding
chr17-207	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr17	2078773	2080183	+	0	NA	intron (N	AluSc|SIN	9283	NM_001282	23293	Hs.448342	NM_017575	ENSG00000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-557	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr17	5572459	5574571	+	0	NA	intron (N	L1PA5|LIN	10994	NM_033004	22861	Hs.652273	NM_014922	ENSG00000	NLRP1	AIADK|CAR	NLR famil	protein-coding
chr17-827	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr17	82769133	82769526	+	0	NA	intron (N	MLT1F2|LT	17264	NM_005993	6904	Hs.464391	NM_005993	ENSG00000	TBCD	PEBAT|SSD	tubulin f	protein-coding
chr2-8732	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	8732391	8733642	+	0	NA	intron (N	intron (N	50960	NM_002166	3398	Hs.180919	NM_002166	ENSG00000	ID2	GIG8|ID2A	inhibitor	protein-coding
chr2-3253	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	32535610	32536044	+	0	NA	intron (N	L1PA4|LIN	3674	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-7415	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	74154638	74161804	+	0	NA	intron (N	intron (N	10240	NR_045637	1.01E+08	Hs.503348	NR_045634	ENSG00000	BOLA3-AS1	-	BOLA3 div	ncRNA
chr2-7487	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	74878069	74881119	+	0	NA	intron (N	MER5A1|DN	-29537	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr2-8534	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	85343233	85343552	+	0	NA	intron (N	intron (N	11136	NM_017750	54884	Hs.440401	NM_017750	ENSG00000	RETSAT	-	retinol s	protein-coding
chr2-8616	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	86164928	86166548	+	0	NA	intron (N	intron (N	27370	NR_039939	1.01E+08		NR_039939	ENSG00000	MIR4779	-	microRNA	ncRNA
chr2-1975	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	3' UTR (N	3' UTR (N	34677	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr2-2083	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MIR|SINE|	-6579	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyrc	protein-coding
chr2-2238	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	L2c|LINE|	-48308	NR_110906	130340	Hs.632555	NM_178814	ENSG00000	AP1S3	PSORS15	adaptor r	protein-coding
chr2-2325	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	TTS (NM_1	TTS (NM_1	3468	NM_145702	200765	Hs.211823	NM_145702	ENSG00000	TIGD1	EEYORE	tigger tr	protein-coding
chr3-5329	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr3	53292209	53292568	+	0	NA	exon (NM_	exon (NM_	-36274	NR_047580	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketc	protein-coding
chr3-5810	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr3	58104192	58107459	+	0	NA	intron (N	MER58A|DN	64810	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1417	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	TTS (NM_C	TTS (NM_C	8780	NM_014245	9616	Hs.134623	NM_014245	ENSG00000	RNF7	CKBBP1|RC	ring fing	protein-coding
chr3-1865	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	4196	NM_016306	51726	Hs.317192	NM_016306	ENSG00000	DNAJB11	ABBP-2|AE	DnaJ heat	protein-coding
chr4-1279	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr4	1.28E+08	1.28E+08	+	0	NA	intron (N	AluYm1|SI	8760	NM_001363	256471	Hs.480701	NM_152778	ENSG00000	MFSD8	CCMD|CLN7	major fac	protein-coding
chr5-3238	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr5	32384682	32385778	+	0	NA	intron (N	intron (N	9245	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-7469	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr5	74696984	74701263	+	0	NA	intron (N	AluSz|SIN	13890	NM_000521	3074	Hs.69293	NM_000521	ENSG00000	HEXB	ENC-1AS|H	hexosamir	protein-coding
chr5-9352	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr5	93521584	93523577	+	0	NA	intron (N	L1PA8|LIN	48763	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1339	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	L1MC4a|LI	17960	NR_036625	7416	Hs.519320	NM_003374	ENSG00000	VDAC1	PORIN|VDA	voltage c	protein-coding
chr6-3585	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr6	35855347	35856929	+	0	NA	intron (N	MER21C|LT	50786	NM_182548	222662	Hs.367947	NM_182548	ENSG00000	LHFPL5	DFNB67|TM	LHFPL tet	protein-coding
chr7-1571	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	45052	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitir	protein-coding
chr8-1057	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr8	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA3|LIN	266480	NR_125797	1.03E+08	Hs.571413	NR_125796		ZFPM2-AS1	SCAT3	ZFPM2 ant	ncRNA
chr8-1328	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-34125	NM_003235	7038	Hs.654591	NM_003235	ENSG00000	TG	AITD3|TGN	thyroglob	protein-coding
chr9-3302	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr9	33026452	33027438	+	0	NA	exon (NM_	exon (NM_	1672	NM_001539	3301	Hs.445203	NM_001539	ENSG00000	DNAJA1	DJ-2|DjA1	DnaJ heat	protein-coding
chr9-1253	8.392252	-0.12667	0.799004	-0.15853	0.874037	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluY|SINE	63546	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr7-8733	2.701278	-0.21797	1.37521	-0.1585	0.874064	0.981636	chr7	87331322	87331786	+	0	NA	intron (N	LTR8A|LTR	13938	NR_015381	11257	Hs.274329	NM_007233	ENSG00000	TP53TG1	LINC00096	TP53 targ	ncRNA
chr10-845	10.67284	0.113897	0.718857	0.158442	0.874109	0.981636	chr10	84513573	84514686	+	0	NA	exon (NM_	exon (NM_	88960	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-cc	protein-coding
chr19-522	10.67284	0.113897	0.718857	0.158442	0.874109	0.981636	chr19	52212941	52228803	+	0	NA	intron (N	intron (N	-1148	NR_106859	1.02E+08		NR_106859	ENSG00000	MIR6801	hsa-mir-6	microRNA	ncRNA
chr16-295	10.62385	0.113842	0.71876	0.158387	0.874152	0.981636	chr16	29564159	29565978	+	0	NA	intron (N	intron (N	30024	NR_135305	440354	Hs.552700	NR_002473		SMG1P2	-	SMG1 pseu	pseudo
chr1-1910	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr1	19109171	19162593	+	0	NA	intron (N	L1MEd|LIN	74384	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitir	protein-coding
chr1-1458	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluJr4|SI	10460	NM_001303	10623	Hs.515768	NM_006468	ENSG00000	POLR3C	RPC3|RPC6	RNA polym	protein-coding
chr11-118	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	MER21A|LT	15371	NM_001655	372	Hs.33642	NM_001655	ENSG00000	ARCN1	COPD|SRMM	archain 1	protein-coding
chr13-727	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr13	72768287	72773452	+	0	NA	intron (N	intron (N	11031	NM_001322	22894	Hs.744104	NM_014953	ENSG00000	DIS3	2810028N0	DIS3 homc	protein-coding
chr14-904	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr14	90400876	90406197	+	0	NA	intron (N	intron (N	5286	NM_001363	801	Hs.282410	NM_006888	ENSG00000	CALM1	CALML2|CA	calmoduli	protein-coding
chr17-507	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr17	50739978	50753374	+	0	NA	exon (NM_	exon (NM_	20842	NM_001358	55018	Hs.389460	NM_017928	ENSG00000	ANKRD40CL	C17orf73|	ANKRD40 (	protein-coding
chr2-1909	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	27259	NM_139266	6772	Hs.642990	NM_007315	ENSG00000	STAT1	CANDF7|IM	signal tr	protein-coding
chr3-1343	11.14401	0.110976	0.701106	0.158287	0.874231	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-1765	NR_106885	1.02E+08		NR_106885	ENSG00000	MIR6827	hsa-mir-6	microRNA	ncRNA
chr14-914	7.624443	0.133347	0.842992	0.158183	0.874313	0.981636	chr14	91484844	91485586	+	0	NA	intron (N	L2|LINE|L	24489	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr6-8554	7.624443	0.133347	0.842992	0.158183	0.874313	0.981636	chr6	85547779	85548107	+	0	NA	intron (N	L1MB3|LIN	45915	NM_153816	57231	Hs.485871	NM_020468	ENSG00000	SNX14	RGS-PX2|S	sorting r	protein-coding
chr1-8456	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr1	84568809	84569840	+	0	NA	intron (N	intron (N	5116	NM_004388	1486	Hs.513557	NM_004388	ENSG00000	CTBS	CTB	chitobias	protein-coding
chr1-2263	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSc8|SI	7771	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADF	poly(ADP-	protein-coding
chr11-973	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr11	9732844	9736222	+	0	NA	intron (N	intron (N	-23760	NR_036485	283104	Hs.632156	NR_036485	ENSG00000	SBF2-AS1	-	SBF2 anti	ncRNA
chr11-129	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr11	12915448	12915887	+	0	NA	intron (N	AluSz|SIN	73881	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-276	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr11	27692519	27693467	+	0	NA	intron (N	L3|LINE|C	6674	NM_170734	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr12-927	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr12	92796633	92803493	+	0	NA	intron (N	AluSx1|SI	63574	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr13-484	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr13	48456104	48456939	+	0	NA	intron (N	intron (N	-11852	NM_005767	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYF	lysophosp	protein-coding
chr14-320	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr14	32092361	32093617	+	0	NA	exon (NM_	exon (NM_	15685	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoC	Rho GTPas	protein-coding
chr15-633	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr15	63305052	63306498	+	0	NA	exon (NM_	exon (NM_	28170	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr15-654	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr15	65450147	65452221	+	0	NA	intron (N	intron (N	-28237	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOF	immunoglo	protein-coding
chr16-376	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr16	3767146	3771318	+	0	NA	exon (NM_	exon (NM_	-51708	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-533	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr16	53317879	53322247	+	0	NA	intron (N	AluJr|SIN	51149	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-164	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr17	16421152	16424827	+	0	NA	intron (N	MIR|SINE|	7418	NM_016113	51393	Hs.279746	NM_016113	ENSG00000	TRPV2	VRL|VRL-1	transient	protein-coding
chr17-446	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr17	44680541	44682832	+	0	NA	intron (N	intron (N	8090	NM_144609	124808	Hs.579115	NM_144609	ENSG00000	CCDC43	-	coiled-cc	protein-coding
chr19-211	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr19	21177907	21179702	+	0	NA	intron (N	(TG)n|Sim	36764	NM_133473	170959	Hs.156256	NM_133473	ENSG00000	ZNF431	-	zinc fing	protein-coding
chr19-473	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr19	47372874	47374073	+	0	NA	intron (N	L2b|LINE|	24158	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr2-4270	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr2	42708273	42709565	+	0	NA	exon (NM_	exon (NM_	55342	NM_148962	165140	Hs.168439	NM_148962	ENSG00000	OXER1	GPCR|GPR1	oxoeicosa	protein-coding
chr21-336	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr21	33623115	33624974	+	0	NA	intron (N	intron (N	17697	NM_145858	9946	Hs.352671	NM_145311	ENSG00000	CRYZL1	4P11|QOH-	crystalli	protein-coding
chr3-1217	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1ME2z|LI	36304	NM_001366	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr3-1237	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	12141	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1793	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	30988	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusir	protein-coding
chr4-1843	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	3' UTR (N	3' UTR (N	-6288	NR_125933	1.03E+08	Hs.432281	NR_125933	ENSG00000	LINC02362	-	long inte	ncRNA
chr5-1353	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	57419	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histc	protein-coding
chr6-7897	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr6	78977207	78978474	+	0	NA	intron (N	Tigger15a	100414	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr7-6052	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr7	6052674	6054938	+	0	NA	intron (N	AluSq|SIN	5369	NM_014413	27102	Hs.520205	NM_014413	ENSG00000	EIF2AK1	HCR|HRI	eukaryoti	protein-coding
chr7-3057	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr7	30577703	30579223	+	0	NA	promoter-	promoter-	-684	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr8-5578	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr8	55789711	55790890	+	0	NA	intron (N	intron (N	16854	NM_001363	96764	Hs.335068	NM_024831	ENSG00000	TGS1	NCOA6IP|F	trimethyl	protein-coding

chr9-3393	8.144605	0.12827	0.81117	0.158129	0.874355	0.981636	chr9	33932202	33934306	+	0	NA	intron (N	intron (N	1110	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitir	protein-coding
chr16-892	12.64764	0.104854	0.663184	0.158106	0.874373	0.981636	chr16	89220449	89234898	+	0	NA	exon (NM_	exon (NM_	9970	NM_182531	197320	Hs.647385	NM_182531	ENSG00000	ZNF778	-	zinc fing	protein-coding
chr21-466	12.64764	0.104854	0.663184	0.158106	0.874373	0.981636	chr21	46652315	46656139	+	0	NA	3' UTR (N	3' UTR (N	18553	NM_206962	3275	Hs.154163	NM_001535	ENSG00000	PRMT2	HRMT1L1	protein a	protein-coding
chr11-618	7.202276	0.139114	0.880144	0.158058	0.874411	0.981636	chr11	61886621	61887273	+	0	NA	intron (N	intron (N	4598	NM_021727	3995	Hs.21765	NM_021727	ENSG00000	FADS3	CYB5RP|LI	fatty aci	protein-coding
chr16-269	7.202276	0.139114	0.880144	0.158058	0.874411	0.981636	chr16	2696189	2698321	+	0	NA	intron (N	intron (N	14732	NM_018992	54442	Hs.61960	NM_018992	ENSG00000	KCTD5	-	potassium	protein-coding
chr15-228	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr15	22862911	22863532	+	0	NA	intron (N	AluSz6|SI	24580	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magr	protein-coding
chr15-587	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr15	58716613	58718331	+	0	NA	intron (N	intron (N	-23865	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4F	HSP90Bd	heat shoc	pseudo
chr15-789	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr15	78920866	78923366	+	0	NA	3' UTR (N	3' UTR (N	22982	NM_001319	1512	Hs.148641	NM_004390	ENSG00000	CTSH	ACC-4|ACC	cathepsir	protein-coding
chr16-234	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr16	23480885	23481269	+	0	NA	intron (N	intron (N	-27888	NM_153603	91949	Hs.185807	NM_153603	ENSG00000	COG7	CDG2E	component	protein-coding
chr19-541	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr19	54186014	54186719	+	0	NA	intron (N	L2|LINE|L	3214	NM_001146	79143	Hs.467279	NM_024298	ENSG00000	MBOAT7	BB1|LENG4	membrane	protein-coding
chr20-440	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr20	44056632	44058549	+	0	NA	intron (N	intron (N	111694	NM_001098	84969	Hs.26608	NM_032883	ENSG00000	TOX2	C20orf100	TOX high	protein-coding
chr3-1505	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	15462	NM_032025	83939	Hs.655782	NM_032025	ENSG00000	EIF2A	CDA02|EIF	eukaryoti	protein-coding
chr4-3135	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr4	3135155	3136171	+	0	NA	intron (N	intron (N	60982	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr5-1379	6.648833	0.141651	0.896593	0.157989	0.874466	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-35048	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr1-8419	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr1	84196623	84198232	+	0	NA	intron (N	(TTTTAT)n	15795	NM_001242	5567	Hs.487325	NM_002731	ENSG00000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-1590	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	27488	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|F	interferc	protein-coding
chr10-956	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr10	95617793	95623657	+	0	NA	intron (N	L1PA6|LIN	35986	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-996	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr10	99610225	99611465	+	0	NA	3' UTR (N	3' UTR (N	9594	NM_031212	81894	Hs.403790	NM_031212	ENSG00000	SLC25A28	MFRN2|MRS	solute ca	protein-coding
chr10-103	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	9940	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr11-434	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr11	43460731	43461288	+	0	NA	intron (N	intron (N	-98647	NR_031577	1E+08		NR_031577	ENSG00000	MIR670	hsa-mir-6	microRNA	ncRNA
chr11-636	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr11	63655284	63657586	+	0	NA	intron (N	L1MEc|LIN	14941	NM_015459	25923	Hs.356719	NM_015459	ENSG00000	ATL3	HSN1F	atlastin	protein-coding
chr11-111	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MDa|LIN	3655	NM_001352	79796	Hs.745155	NM_024740	ENSG00000	ALG9	CDG1L|DIE	ALG9 alph	protein-coding
chr12-123	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	30391	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPF	M-phase p	protein-coding
chr13-236	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr13	23629216	23629851	+	0	NA	intron (N	intron (N	50173	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr15-562	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr15	56222984	56223936	+	0	NA	intron (N	L1MEf|LIN	20419	NM_001368	64864	Hs.745089	NM_022841	ENSG00000	RFX7	RFXDC2	regulator	protein-coding
chr19-412	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr19	41288256	41290481	+	0	NA	intron (N	intron (N	-20804	NM_052848	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-cc	protein-coding
chr2-4328	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr2	43283638	43285041	+	0	NA	intron (N	MSTA-int|	57128	NR_027251	1E+08	Hs.194480	NM_178529	ENSG00000	LINC01126	-	long inte	ncRNA
chr2-7142	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr2	71425722	71429229	+	0	NA	intron (N	intron (N	-26086	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LC	dysferlir	protein-coding
chr2-1572	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	29085	NM_001304	57471	Hs.443894	NM_020711	ENSG00000	ERMN	JN|KIAA11	ermin	protein-coding
chr20-564	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr20	56447441	56447766	+	0	NA	intron (N	LTR78|LTR	-20982	NM_016407	51507	Hs.517134	NM_016407	ENSG00000	RTF2	C20orf43|	replicati	protein-coding
chr3-3730	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr3	37301345	37303168	+	0	NA	exon (NM_	exon (NM_	-58061	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr3-1291	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluY|SINE	12462	NM_001204	339122	Hs.381132	NM_198490	ENSG00000	RAB43	RAB11B|RA	RAB43, me	protein-coding
chr5-1380	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr5	13805782	13809076	+	0	NA	intron (N	intron (N	137051	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-7095	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr5	70953451	70957507	+	0	NA	Intergeni	Intergeni	30538	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr6-4191	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr6	41912338	41917283	+	0	NA	intron (N	intron (N	6133	NM_001305	9477	Hs.278434	NM_004275	ENSG00000	MED20	PRO0213|S	mediator	protein-coding
chr7-6593	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr7	6593593	6596557	+	0	NA	intron (N	AluJb|SIN	5054	NM_001303	79034	Hs.487511	NM_024067	ENSG00000	C7orf26	-	chromosom	protein-coding
chr7-7439	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr7	74394024	74397370	+	0	NA	intron (N	intron (N	-58209	NM_005685	9569	Hs.647056	NM_005685	ENSG00000	GTF2IRD1	BEN|CREAM	GTF2I rep	protein-coding
chr7-9891	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr7	98915195	98918150	+	0	NA	intron (N	intron (N	34975	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr7-1405	7.938653	-0.1298	0.821675	-0.15797	0.874478	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	3' UTR (N	3' UTR (N	58152	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr1-1627	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-30300	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1791	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSx1|SI	29903	NM_022371	64222	Hs.584957	NM_022371	ENSG00000	TOR3A	ADIR|ADIF	torsin fa	protein-coding
chr1-2312	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	FLAM_A|SI	27313	NM_001316	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr1-2448	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	non-codir	non-codir	8967	NM_198076	116228	Hs.411490	NM_198076	ENSG00000	COX20	FAM36A	cytochrom	protein-coding
chr10-733	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr10	73386345	73388686	+	0	NA	intron (N	AluSz|SIN	26543	NM_001156	310	Hs.631827	NM_001156	ENSG00000	ANXA7	ANX7|SNX|	annexin A	protein-coding
chr10-793	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr10	79349149	79354860	+	0	NA	intron (N	intron (N	4535	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr11-625	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr11	62592873	62598837	+	0	NA	exon (NM_	exon (NM_	-4332	NM_022830	64852	Hs.728983	NM_022830	ENSG00000	TUT1	PAPD2|RBM	terminal	protein-coding
chr11-129	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	9402	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr12-562	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr12	56238765	56256484	+	0	NA	intron (N	intron (N	10760	NM_173595	283373	Hs.524506	NM_173595	ENSG00000	ANKRD52	ANKRD33	ankyrin r	protein-coding
chr12-100	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr12	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	-18079	NM_001145	246213	Hs.116871	NM_139319	ENSG00000	SLC17A8	DFNA25|VG	solute ca	protein-coding
chr13-110	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	51702	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-498	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr14	49821755	49829313	+	0	NA	intron (N	AluJo|SIN	27254	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr15-799	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr15	79919407	79921494	+	0	NA	intron (N	LTR10E|LT	-2321	NR_028330	283687	Hs.722219	NM_175898		ST20-AS1	C15orf37	ST20 anti	ncRNA
chr16-895	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr16	89510674	89521220	+	0	NA	intron (N	AluSx3|SI	7544	NM_199367	6687	Hs.185597	NM_003119	ENSG00000	SPG7	CAR|CMAR|	SPG7 matr	protein-coding
chr17-418	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr17	41880726	41894935	+	0	NA	intron (N	intron (N	-22407	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr19-162	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr19	16208433	16212802	+	0	NA	intron (N	AluSq2|SI	12706	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAF	adaptor r	protein-coding
chr2-3254	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr2	32542998	32544091	+	0	NA	intron (N	intron (N	11391	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-2412	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	29239	NM_001320	3069	Hs.471851	NM_005336	ENSG00000	HDLBP	HBP|PRO29	high dens	protein-coding
chr20-444	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr20	44499584	44503592	+	0	NA	intron (N	L2c|LINE|	20482	NM_006811	10955	Hs.272168	NM_006811	ENSG00000	SERINC3	AIGP1|DIF	serine ir	protein-coding
chr21-452	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr21	45274153	45286149	+	0	NA	intron (N	intron (N	7744	NM_015227	23275	Hs.592164	NM_015227	ENSG00000	POFUT2	C21orf80|	protein (	protein-coding
chr22-382	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr22	38295541	38303631	+	0	NA	intron (N	AluSg4|SI	17847	NM_152221	1454	Hs.474833	NM_001894	ENSG00000	CSNK1E	CKIe|CKIe	casein ki	protein-coding
chr5-1383	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	-6587	NM_001364	995	Hs.656	NM_001790	ENSG00000	CDC25C	CDC25|PPF	cell divi	protein-coding
chr5-1684	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr5	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx|SIN	7064	NM_002887	5917	Hs.654907	NM_002887	ENSG00000	RARS	ArgRS|DAL	arginyl-t	protein-coding
chr7-9888	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr7	98881377	98884338	+	0	NA	TTS (NR_1	TTS (NR_1	1160	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr8-1439	10.16054	0.115612	0.732938	0.157738	0.874663	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	3' UTR (N	3' UTR (N	23511	NM_201384	5339	Hs.434248	NM_000445	ENSG00000	PLEC	EBS1|EBSM	plectin	protein-coding
chr11-121	8.84585	-0.12403	0.786558	-0.15769	0.874704	0.981636	chr11	12162197	12162960	+	0	NA	intron (N	intron (N	499	NM_001282	9645	Hs.501928	NM_014632	ENSG00000	MICAL2	MICAL-2|M	microtubu	protein-coding
chr4-8286	13.1188	0.102712	0.652114	0.157507	0.874846	0.981636	chr4	82867601	82880672	+	0	NA	intron (N	AluSg|SIN	17017	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AE	SEC31 hom	protein-coding
chr1-2201	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSp|SIN	-2062	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-919	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr10	91981640	91983647	+	0	NA	exon (NM_	exon (NM_	58873	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-685	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr11	68590510	68593151	+	0	NA	intron (N	intron (N	-92714	NM_015973	51083	Hs.278959	NM_015973	ENSG00000	GAL	ETL8|GAL-	galanin a	protein-coding
chr12-625	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr12	62501699	62502209	+	0	NA	intron (N	AluSg4|SI	35128	NM_015026	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homc	protein-coding
chr13-952	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr13	95246020	95248676	+	0	NA	intron (N	intron (N	37004	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr2-1112	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	MLT2D|LTR	37846	NR_039636	1.01E+08		NR_039636	ENSG00000	MIR4435-2	mir-4435-	microRNA	ncRNA
chr2-2239	9.128073	0.121212	0.770348	0.157347	0.874971	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	27978	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr16-214	6.908037	-0.1448	0.920598	-0.15729	0.875014	0.981636	chr16	21416352	21416678	+	0	NA	intron (N	intron (N	8863	NM_130464	23117	Hs.611072	NM_130464		NPIPB3	KIAA0220L	nuclear p	protein-coding
chr5-1808	13.63896	0.100786	0.641271	0.157167	0.875113	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	10648	NM_001172	643836	Hs.509227	NM_152283	ENSG00000	ZFP62	ZET|ZNF75	ZFP62 zir	protein-coding
chr17-501	9.689375	0.119045	0.757919	0.157068	0.875191	0.981636	chr17	50143506	50144707	+	0	NA	intron (N	L2a|LINE|	6571	NM_032595	84687	Hs.514323	NM_032595	ENSG00000	PPP1R9B	PPP1R6|PF	protein p	protein-coding
chr19-107	9.356304	-0.12305	0.783614	-0.15703	0.875222	0.981636	chr19	10761432	10761889	+	0	NA	intron (N	MIRc|SINE	-18594	NR_039903	1.01E+08		NR_039903	ENSG00000	MIR4748	mir-4748	microRNA	ncRNA
chr1-2254	10.6317	0.112474	0.716473	0.156983	0.875259	0.981636	chr1	2.25E+08	2.25E+08	+	0	NA	3' UTR (N	3' UTR (N	-68676	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr13-253	10.6317	0.112474	0.716473	0.156983	0.875259	0.981636	chr13	25331331	25333161	+	0	NA	intron (N	intron (N	30621	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUF	nucleopor	protein-coding
chr17-637	10.6317	0.112474	0.716473	0.156983	0.875259	0.981636	chr17	63755055	63756411	+	0	NA	intron (N	intron (N	-13747	NM_001363	92335	Hs.514402	NM_153335	ENSG00000	STRADA	LYK5|NY-E	STE20 rel	protein-coding
chr9-1102	10.6317	0.112474	0.716473	0.156983	0.875259	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger3b|	8950	NM_003329	7295	Hs.435136	NM_003329	ENSG00000	TXN	TRDX|TRX|	thioredox	protein-coding
chr2-2031	12.13533	0.105899	0.674701	0.156957	0.875279	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-47856	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr7-7536	12.13533	0.105899	0.674701	0.156957	0.875279	0.981636	chr7	75361451	75370449	+	0	NA	intron (N	intron (N	6750	NR_040583	54441	Hs.632310	NM_018991		STAG3L1	STAG3L1P|	stromal a	pseudo
chr10-101	7.889656	-0.13041	0.831363	-0.15686	0.875354	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq|SIN	11558	NM_003939	8945	Hs.643802	NM_003939	ENSG00000	BTRC	BETA-TRCF	beta-trar	protein-coding
chr17-428	7.889656	-0.13041	0.831363	-0.15686	0.875354	0.981636	chr17	42845283	42845675	+	0	NA	exon (NM_	exon (NM_	899	NM_001158	314	Hs.143102	NM_001158	ENSG00000	AOC2	DAO2|RAO|	amine oxi	protein-coding
chr3-1238	7.889656	-0.13041	0.831363	-0.15686	0.875354	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJb|SIN	35079	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr6-1780	7.889656	-0.13041	0.831363	-0.15686	0.875354	0.981636	chr6	17803314	17804145	+	0	NA	intron (N	intron (N	96686	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-4261	7.889656	-0.13041	0.831363	-0.15686	0.875354	0.981636	chr6	42612451	42612722	+	0	NA	intron (N	intron (N	48557	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitir	protein-coding
chr6-1498	6.990316	-0.1397	0.890863	-0.15681	0.875394	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	MER117|DN	-29256	NR_045126	1.01E+08	Hs.642734	NR_045126	ENSG00000	RAET1E-AS	RAET1G-AS	RAET1E ar	ncRNA
chr1-6663	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr1	66639444	66642633	+	0	NA	intron (N	AluSz6|SI	12598	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1007	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	MLT1H|LTR	12148	NM_001078	7412	Hs.109225	NM_001078	ENSG00000	VCAM1	CD106|INC	vascular	protein-coding
chr10-619	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr10	61913132	61916041	+	0	NA	intron (N	intron (N	12887	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-576	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr11	57698156	57702209	+	0	NA	3' UTR (N	3' UTR (N	12033	NR_157587	219541	Hs.43619	NM_153450	ENSG00000	MED19	DT2P1G7|I	mediator	protein-coding
chr11-613	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr11	61366562	61368904	+	0	NA	intron (N	intron (N	5359	NM_016464	51524	Hs.406530	NM_016464	ENSG00000	TMEM138	HSPC196	transmemt	protein-coding
chr12-674	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr12	6745440	6752046	+	0	NA	intron (N	intron (N	4173	NM_005439	8079	Hs.524214	NM_005439	ENSG00000	MLF2	NTN4	myeloid l	protein-coding
chr12-128	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr12	12824046	12830553	+	0	NA	exon (NM_	exon (NM_	13953	NM_016355	51202	Hs.719938	NM_016355	ENSG00000	DDX47	E4-DBP|HG	DEAD-box	protein-coding
chr12-120	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx1|SI	11114	NM_198202	51367	Hs.279913	NM_015918	ENSG00000	POP5	HSPC004|F	POP5 homc	protein-coding
chr14-748	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr14	74816493	74822306	+	0	NA	intron (N	AluSz|SIN	44435	NM_001080	283571	Hs.675293	NM_001080	ENSG00000	PROX2	PROX-2	prospero	protein-coding
chr16-306	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr16	30660900	30664075	+	0	NA	intron (N	intron (N	4056	NM_001105	64319	Hs.247186	NM_022452	ENSG00000	FBRS	FBS|FBS1	fibrosin	protein-coding
chr17-130	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr17	13000955	13003486	+	0	NA	intron (N	MER58A|DN	15807	NM_018127	60528	Hs.434232	NM_018127	ENSG00000	ELAC2	COXPD17|E	elaC ribc	protein-coding
chr17-418	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr17	41895747	41903500	+	0	NA	intron (N	intron (N	19328	NM_001096	47	Hs.387567	NM_001096	ENSG00000	ACLY	ACL|ATPCL	ATP citra	protein-coding
chr19-101	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr19	10159418	10163273	+	0	NA	intron (N	(AAAT)n|S	33608	NM_001318	1786	Hs.202672	NM_001379	ENSG00000	DNMT1	ADCADN|AI	DNA methy	protein-coding
chr19-556	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr19	55678477	55679774	+	0	NA	intron (N	intron (N	2500	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-7143	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr2	71430864	71434687	+	0	NA	intron (N	intron (N	-20786	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LC	dysferlir	protein-coding
chr20-638	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr20	63868048	63879581	+	0	NA	exon (NM_	exon (NM_	8544	NM_199363	7165	Hs.473296	NM_003288	ENSG00000	TPD52L2	D54|TPD54	TPD52 lik	protein-coding
chr22-411	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr22	41173075	41176170	+	0	NA	intron (N	intron (N	22879	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr3-4928	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr3	49282437	49294803	+	0	NA	intron (N	AluSq2|SI	-11388	NM_198562	375341	Hs.403828	NM_198562	ENSG00000	C3orf62	-	chromosom	protein-coding
chr3-1217	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA6|LIN	6555	NM_001366	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr3-1250	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MEc|LIN	-35077	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr3-1291	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	3' UTR (N	3' UTR (N	-7512	NM_001204	1.01E+08	Hs.512661	NM_001204	ENSG00000	ISY1-RAB4	ISY1	ISY1-RAB4	protein-coding
chr4-7997	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr4	79976146	79978716	+	0	NA	TTS (NM_C	TTS (NM_C	95798	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr6-4301	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr6	43018134	43020035	+	0	NA	intron (N	intron (N	-2198	NM_001318	4201	Hs.278362	NM_014623	ENSG00000	MEA1	HYS|MEA	male-enha	protein-coding
chr6-4361	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr6	43610012	43615533	+	0	NA	intron (N	intron (N	14581	NM_001286	54676	Hs.485449	NM_019096	ENSG00000	GTPBP2	JABELS	GTP bindi	protein-coding
chr6-1572	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	122994	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6c	transmemt	protein-coding
chr7-6741	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr7	6741788	6744813	+	0	NA	intron (N	AluJb|SIN	7995	NR_002217	441194	Hs.715590	NR_002217	ENSG00000	PMS2CL	PMS2P13	PMS2 C-te	pseudo
chr7-2350	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr7	23503242	23511221	+	0	NA	intron (N	AluSz6|SI	16843	NR_026676	256355	Hs.367935	NR_026676	ENSG00000	RPS2P32	RPS2_14_7	ribosomal	pseudo
chr7-1521	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	77667	NM_001371474								
chr9-1104	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	95887	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|(	sushi, vc	protein-coding
chrX-4719	9.648235	0.117518	0.749482	0.156799	0.875403	0.981636	chrX	47198026	47214742	+	0	NA	TTS (NR_C	TTS (NR_C	1536	NR_024616	8552	Hs.657350	NM_003669	ENSG00000	INE1	NCRNA0001	inactivat	ncRNA
chr1-1553	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	L1PREC2|L	-41316	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-2467	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	12390	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr11-974	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr11	9740353	9740693	+	0	NA	intron (N	intron (N	-17770	NR_036485	283104	Hs.632156	NR_036485	ENSG00000	SBF2-AS1	-	SBF2 anti	ncRNA
chr11-782	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr11	78209546	78211433	+	0	NA	exon (NM_	exon (NM_	21570	NM_020798	57558	Hs.531249	NM_020798	ENSG00000	USP35	-	ubiquitir	protein-coding

chr16-889	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr16	8895914	8898289	+	0	NA	intron (N	intron (N	-28089	NM_001278	23589	Hs.632184	NM_014316	ENSG00000	CARHSP1	CRHSP-24|	calcium r	protein-coding
chr17-584	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr17	58490546	58495036	+	0	NA	intron (N	intron (N	-4383	NM_001080	124535	Hs.380061	NM_001080	ENSG00000	HSF5	HSF 5|HST	heat shoc	protein-coding
chr17-671	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr17	67199179	67201436	+	0	NA	intron (N	intron (N	-44469	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr19-393	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr19	39354685	39360900	+	0	NA	intron (N	intron (N	15333	NM_001303	55095	Hs.612332	NM_018028	ENSG00000	SAMD4B	SMGB|Smau	sterile a	protein-coding
chr19-503	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr19	50378307	50379568	+	0	NA	intron (N	intron (N	2480	NM_007121	7376	Hs.432976	NM_007121	ENSG00000	NR1H2	LXR-b|LXR	nuclear r	protein-coding
chr2-2273	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	4072	NM_001277	56947	Hs.471528	NM_020194	ENSG00000	MFF	C2orf33|I	mitochond	protein-coding
chr9-1328	9.177071	0.121237	0.773298	0.156779	0.875419	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	21785	NM_001316	11092	Hs.62595	NM_018956	ENSG00000	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chr3-9858	6.136529	0.146699	0.935964	0.156735	0.875453	0.981636	chr3	98589778	98590585	+	0	NA	intron (N	AluSx|SIN	3430	NM_000097	1371	Hs.476982	NM_000097	ENSG00000	CPOX	COX|CPO|C	coproporp	protein-coding
chr1-9356	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr1	9356024	9357523	+	0	NA	intron (N	intron (N	63879	NM_025106	80176	Hs.8261	NM_025106	ENSG00000	SPSB1	SSB-1|SSE	splA/ryar	protein-coding
chr1-2201	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	27522	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr10-102	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	8434	NM_001178	51684	Hs.404089	NM_016169	ENSG00000	SUFU	JBTS32|PF	SUFU nega	protein-coding
chr12-576	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr12	57696328	57697346	+	0	NA	intron (N	Alu|SINE|	2705	NM_006812	10956	Hs.527861	NM_006812	ENSG00000	OS9	ERLEC2|OS	OS9 endop	protein-coding
chr12-131	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	36729	NM_015409	57634	Hs.723478	NM_015409	ENSG00000	EP400	CAGH32|P4	E1A bindi	protein-coding
chr15-494	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr15	49429475	49430713	+	0	NA	intron (N	intron (N	6852	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KC	fibroblas	protein-coding
chr17-533	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr17	533824	534403	+	0	NA	intron (N	AluSz6|SI	-88173	NM_182705	359845	Hs.345588	NM_182705	ENSG00000	RFLNB	CFM1|FAM1	refilin B	protein-coding
chr18-577	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr18	57741212	57742172	+	0	NA	intron (N	MLT1F2|LT	61623	NM_005603	5205	Hs.216623	NM_005603	ENSG00000	ATP8B1	ATPIC|BRI	ATPase ph	protein-coding
chr2-2061	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	7464	NM_001199	4719	Hs.471207	NM_005006	ENSG00000	NDUFS1	CI-75Kd|C	NADH:ubic	protein-coding
chr5-1685	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr5	16859461	16860256	+	0	NA	intron (N	intron (N	76430	NM_012334	4651	Hs.481720	NM_012334	ENSG00000	MYO10	-	myosin X	protein-coding
chr5-1549	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	6900	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr7-9951	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr7	99511775	99513625	+	0	NA	intron (N	intron (N	6695	NM_001318	23660	Hs.110839	NM_014569	ENSG00000	ZKSCAN5	ZFP-95|ZF	zinc fing	protein-coding
chr7-1041	7.632301	0.13149	0.838974	0.156727	0.87546	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	L1PA8|LIN	29720	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr15-395	14.11013	0.098936	0.631322	0.156712	0.875472	0.981636	chr15	39581184	39594452	+	0	NA	intron (N	MIR|SINE|	6739	NM_003246	7057	Hs.164226	NM_003246	ENSG00000	THBS1	THBS|THBS	thrombosp	protein-coding
chr9-7235	14.11013	0.098936	0.631322	0.156712	0.875472	0.981636	chr9	72354268	72364308	+	0	NA	intron (N	intron (N	5268	NM_001278	7763	Hs.406096	NM_006007	ENSG00000	ZFAND5	ZA20D2|ZF	zinc fing	protein-coding
chr14-914	8.309973	-0.13163	0.840001	-0.15671	0.875475	0.981636	chr14	91489452	91489756	+	0	NA	intron (N	intron (N	20100	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr12-194	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr12	1940371	1941743	+	0	NA	TTS (NR_1	TTS (NR_1	-4481	NR_036546	1E+08	Hs.737031	NR_036546	ENSG00000	LINC00940	-	long inte	ncRNA
chr12-781	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr12	78159382	78160161	+	0	NA	intron (N	intron (N	199975	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr12-118	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	L2c|LINE|	21905	NM_002567	5037	Hs.433863	NM_002567	ENSG00000	PEBP1	HCNP|HCNF	phosphati	protein-coding
chr17-645	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr17	64514006	64514689	+	0	NA	non-codir	non-codir	7370	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr18-186	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr18	186200	186465	+	0	NA	intron (N	AluJr|SIN	27775	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitir	protein-coding
chr21-462	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr21	46241200	46241874	+	0	NA	non-codir	non-codir	12306	NR_110565	114044	Hs.655095	NR_002776	ENSG00000	MCM3AP-AS	C21orf85|	MCM3AP ar	ncRNA
chr5-1284	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	116722	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillir	protein-coding
chr7-7434	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr7	74341883	74342112	+	0	NA	intron (N	intron (N	52522	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIF	CAP-Gly c	protein-coding
chr7-1296	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L1MEg|LIN	28000	NM_001040	4899	Hs.654363	NM_005011	ENSG00000	NRF1	ALPHA-PAI	nuclear r	protein-coding
chr7-1405	7.436057	-0.13392	0.855576	-0.15653	0.875614	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	56504	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr8-6663	10.11154	0.115547	0.738289	0.156506	0.875634	0.981636	chr8	66634272	66635294	+	0	NA	exon (NM_	exon (NM_	-21565	NM_001294	4603	Hs.445898	NM_001080	ENSG00000	MYBL1	A-MYB|AMY	MYB protc	protein-coding
chr15-281	8.894848	-0.12352	0.789663	-0.15642	0.8757	0.981636	chr15	28160045	28160330	+	0	NA	intron (N	L1PA5|LIN	-60872	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr5-3739	8.894848	-0.12352	0.789663	-0.15642	0.8757	0.981636	chr5	37392087	37392802	+	0	NA	intron (N	AluSx|SIN	13126	NM_001345	55100	Hs.213690	NM_018034	ENSG00000	WDR70	-	WD repeat	protein-coding
chr11-349	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr11	34913352	34913894	+	0	NA	intron (N	LTR12_|LT	-2507	NM_001166	8050	Hs.502315	NM_003477	ENSG00000	PDHX	DLDBP|E3E	pyruvate	protein-coding
chr11-689	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr11	68915268	68916220	+	0	NA	intron (N	AluSz|SIN	11893	NM_002180	3508	Hs.503048	NM_002180	ENSG00000	IGHMBP2	CATF1|CMT	immunoglc	protein-coding
chr15-430	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr15	43003545	43003978	+	0	NA	intron (N	intron (N	-82983	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr15-434	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr15	43454445	43456344	+	0	NA	intron (N	intron (N	37762	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDF	tumor prc	protein-coding
chr16-235	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr16	23548403	23552439	+	0	NA	intron (N	intron (N	6929	NM_001083	124454	Hs.620541	NM_001083	ENSG00000	EARS2	COXPD12|N	glutamyl-	protein-coding
chr16-892	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr16	89267037	89268344	+	0	NA	TTS (NM_C	TTS (NM_C	-28438	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-753	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr17	75320678	75322590	+	0	NA	intron (N	intron (N	-32185	NM_021734	60386	Hs.514470	NM_021734	ENSG00000	SLC25A19	DNC|MCPHA	solute ca	protein-coding
chr18-213	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr18	213683	216864	+	0	NA	TTS (NM_C	TTS (NM_C	52774	NM_005131	9984	Hs.712543	NM_005131	ENSG00000	THOC1	HPR1|P84|	THO compl	protein-coding
chr19-189	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr19	18925016	18926111	+	0	NA	intron (N	AluSx3|SI	5848	NM_019070	54555	Hs.143187	NM_019070	ENSG00000	DDX49	Dbp8|R270	DEAD-box	protein-coding
chr19-447	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr19	44756267	44760760	+	0	NA	promoter-	promoter-	-144	NR_107052	1.02E+08		NR_107052	ENSG00000	MIR8085	hsa-mir-8	microRNA	ncRNA
chr2-3724	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr2	37240236	37244478	+	0	NA	non-codir	non-codir	10699	NR_146408	55471	Hs.433466	NM_018607	ENSG00000	NDUFAF7	C2orf56|N	NADH:ubic	protein-coding
chr2-2349	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	4557	NM_001371305								
chr20-321	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr20	32160707	32163168	+	0	NA	intron (N	intron (N	28423	NR_002781	128854	Hs.647447	NR_002781	ENSG00000	TSPY26P	TSPYL3|bA	testis sp	pseudo
chr20-365	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr20	36523675	36525746	+	0	NA	intron (N	AluSp|SIN	-16809	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr21-436	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr21	43676308	43678555	+	0	NA	intron (N	intron (N	17871	NM_015056	23076	Hs.565725	NM_015056	ENSG00000	RRP1B	KIAA0179|	ribosomal	protein-coding
chr4-7306	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr4	730632	731355	+	0	NA	5’ UTR (N	5’ UTR (N	25161	NM_001317	10336	Hs.144309	NM_006315	ENSG00000	PCGF3	DONG1|RNF	polycomb	protein-coding
chr5-3702	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr5	37026076	37026826	+	0	NA	intron (N	intron (N	149682	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-7154	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr5	71549113	71551825	+	0	NA	intron (N	AluJr|SIN	-36871	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcrc	protein-coding
chr6-4224	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr6	42240881	42243302	+	0	NA	intron (N	AluJo|SIN	-24230	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochonc	protein-coding
chr7-1520	8.664767	0.123701	0.791527	0.156282	0.875811	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	LTR12D|LT	2633	NM_022087	63917	Hs.647109	NM_022087	ENSG00000	GALNT11	GALNAC-T1	polypepti	protein-coding
chr1-5513	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr1	55133498	55140050	+	0	NA	intron (N	L2a|LINE|	78590	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitir	protein-coding
chr1-8672	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr1	86722858	86726643	+	0	NA	intron (N	AluJb|SIN	20174	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr12-692	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr12	69254202	69261653	+	0	NA	intron (N	intron (N	15291	NR_031692	1E+08		NR_031692	ENSG00000	MIR1279	MIRN1279|	microRNA	ncRNA
chr12-107	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA5|LIN	20866	NM_001317	11137	Hs.506652	NM_007062	ENSG00000	PWP1	IEF-SSP-9	PWP1 homc	protein-coding
chr12-110	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSc|SIN	22362	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr13-370	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr13	37009875	37012394	+	0	NA	intron (N	intron (N	10348	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr17-161	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr17	16170286	16171730	+	0	NA	intron (N	L1MA7|LIN	-17812	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-497	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr17	49796663	49797848	+	0	NA	intron (N	AluY|SINE	8574	NM_001199	11143	Hs.21907	NM_007067	ENSG00000	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr17-603	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr17	60341901	60342831	+	0	NA	intron (N	L1P2|LINE	49767	NM_032582	84669	Hs.132868	NM_032582	ENSG00000	USP32	NY-REN-60	ubiquitir	protein-coding
chr2-9525	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	9525342	9525700	+	0	NA	intron (N	intron (N	30309	NM_003183	6868	Hs.404914	NM_003183	ENSG00000	ADAM17	ADAM18|CD	ADAM meta	protein-coding
chr2-2028	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	20281158	20283189	+	0	NA	intron (N	intron (N	45213	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio F	protein-coding
chr2-1274	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	(AC)n|Sim	29911	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr2-1709	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	exon (NM_	exon (NM_	67431	NM_015530	26003	Hs.431317	NM_015530	ENSG00000	GORASP2	GOLPH6|GF	golgi rea	protein-coding
chr2-1730	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	21141	NM_016653	51776	Hs.444451	NM_016653	ENSG00000	MAP3K20	AZK|CNM6|	mitogen-a	protein-coding
chr2-1819	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	intron (N	intron (N	27444	NM_001287	6744	Hs.196983	NM_006751	ENSG00000	ITPRID2	CS-1|CS1|	ITPR inte	protein-coding
chr2-2297	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	-62895	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr22-319	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr22	31955643	31958297	+	0	NA	3’ UTR (N	3’ UTR (N	-11608	NM_015372	25775	Hs.627602	NM_015372	ENSG00000	C22orf24	HSN44A4A	chromoson	protein-coding
chr4-3989	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr4	39895031	39898380	+	0	NA	intron (N	AluJb|SIN	81206	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr5-3701	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr5	37018987	37021447	+	0	NA	intron (N	intron (N	143448	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-1266	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSx1|SI	4058	NM_032177	51808	Hs.555731	NM_032177	ENSG00000	PHAX	RNUXA	phosphory	protein-coding
chr5-1808	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	TTS (NR_C	TTS (NR_C	-1198	NR_027183	729678	Hs.348292	NR_027183	ENSG00000	LINC00847	-	long inte	ncRNA
chr6-2482	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr6	24823661	24825315	+	0	NA	intron (N	intron (N	-25571	NM_001282	1.02E+08	Hs.635133	NM_001282	ENSG00000	ARMH2	C6orf229	armadillc	protein-coding
chr7-5750	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr7	5750892	5753084	+	0	NA	intron (N	AluSq4|SI	29675	NM_207111	54476	Hs.487458	NM_019011	ENSG00000	RNF216	CAHH|TRIA	ring fing	protein-coding
chr7-4742	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr7	47423244	47427886	+	0	NA	intron (N	intron (N	39238	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-5399	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr8	53990481	53991793	+	0	NA	intron (N	AluSz|SIN	31311	NM_201437	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr9-1073	8.384394	-0.12505	0.800425	-0.15622	0.875857	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	17096	NM_001244	5887	Hs.521640	NM_002874	ENSG00000	RAD23B	HHR23B|HR	RAD23 hom	protein-coding
chr11-335	15.10145	0.095656	0.612686	0.156126	0.875934	0.981636	chr11	3357680	3376102	+	0	NA	intron (N	AluSz6|SI	12255	NM_001130	7748	Hs.386294	NM_007152	ENSG00000	ZNF195	HRF1|ZNFF	zinc fing	protein-coding
chr1-1099	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	9818	NM_172212	1435	Hs.173894	NM_000757	ENSG00000	CSF1	CSF-1|MCS	colony st	protein-coding
chr1-1490	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	AluYj4|SI	5746	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-1715	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	36572	NM_015172	23215	Hs.494614	NM_015172	ENSG00000	PRRC2C	BAT2-iso|	proline r	protein-coding
chr1-2226	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	19546	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 c	protein-coding
chr10-999	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr10	99967889	99971824	+	0	NA	intron (N	L2c|LINE|	-38949	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr19-523	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr19	52312025	52323730	+	0	NA	intron (N	L1MB2|LIN	-18366	NM_001161	162963	Hs.147025	NM_173530	ENSG00000	ZNF610	-	zinc fing	protein-coding
chr2-9248	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr2	92489951	92492151	+	0	NA	Intergeni	ALR/Alpha	549918	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-259	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr21	25974007	25975952	+	0	NA	intron (N	intron (N	165411	NM_001136	351	Hs.434980	NM_000484	ENSG00000	APP	AAA|ABETA	amyloid b	protein-coding
chr5-1644	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr5	16449082	16453134	+	0	NA	TTS (NM_C	TTS (NM_C	-10006	NR_104625	1.02E+08	Hs.639360	NR_104625	ENSG00000	LINC02150	-	long inte	ncRNA
chr5-3713	11.15187	0.109665	0.702481	0.156111	0.875946	0.981636	chr5	37136926	37138821	+	0	NA	intron (N	THE1C|LTF	-111173	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr12-688	13.58997	0.100736	0.645904	0.155962	0.876063	0.981636	chr12	68808916	68812185	+	0	NA	intron (N	AluY|SINE	1526	NM_001145	4193	Hs.484551	NM_002392	ENSG00000	MDM2	ACTFS|HDM	MDM2 prot	protein-coding
chr12-104	13.12666	0.101591	0.651433	0.15595	0.876073	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	LTR13|LTF	7479	NM_001261	7296	Hs.654922	NM_003330	ENSG00000	TXNRD1	GRIM-12|T	thioredox	protein-coding
chr9-9675	13.12666	0.101591	0.651433	0.15595	0.876073	0.981636	chr9	96757168	96776095	+	0	NA	intron (N	intron (N	11456	NM_001314	22869	Hs.75264	NM_014930	ENSG00000	ZNF510	-	zinc fing	protein-coding
chrX-4133	13.12666	0.101591	0.651433	0.15595	0.876073	0.981636	chrX	41338655	41349328	+	0	NA	intron (N	intron (N	9825	NM_001363	1654	Hs.728563	NM_001356	ENSG00000	DDX3X	CAP-Rf|DE	DEAD-box	protein-coding
chr1-2208	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr1	22080244	22083100	+	0	NA	intron (N	intron (N	28963	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|C	cell divi	protein-coding
chr1-2535	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr1	25356220	25360516	+	0	NA	intron (N	Charlie4z	20034	NM_014313	23585	Hs.705699	NM_014313	ENSG00000	TMEM50A	IFNRC|SMF	transmemb	protein-coding
chr1-5868	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr1	58680841	58682390	+	0	NA	intron (N	intron (N	18447	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr1-1009	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	AluY|SINE	59380	NM_015958	51611	Hs.440776	NM_015958	ENSG00000	DPH5	AD-018|CC	diphthami	protein-coding
chr11-626	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr11	62633434	62633633	+	0	NA	5’ UTR (N	5’ UTR (N	6685	NM_001329	23193	Hs.595071	NM_014610	ENSG00000	GANAB	G2AN|GIIA	glucosida	protein-coding
chr11-116	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	11408	NM_032725	84811	Hs.437341	NM_032725	ENSG00000	BUD13	Cwc26|fSA	BUD13 hom	protein-coding
chr11-119	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	promoter-	promoter-	-676	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr11-125	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	AluJb|SIN	7707	NM_001278	3703	Hs.504237	NM_152713	ENSG00000	STT3A	ITM1|STT3	STT3 olig	protein-coding
chr12-910	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr12	910009	914050	+	0	NA	TTS (NM_C	TTS (NM_C	21047	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr13-114	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	22468	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BF	RAS p21 p	protein-coding
chr14-215	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr14	21501585	21503638	+	0	NA	intron (N	MIR|SINE|	8729	NM_019852	56339	Hs.168799	NM_019852	ENSG00000	METTL3	IME4|M6A|	methyltra	protein-coding
chr14-884	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr14	88484561	88485136	+	0	NA	intron (N	AluSx|SIN	70159	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTF	protein t	protein-coding
chr17-161	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr17	16125147	16126887	+	0	NA	intron (N	L1PB4|LIN	27179	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-562	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr19	5626235	5629384	+	0	NA	intron (N	intron (N	4726	NM_002967	6294	Hs.728802	NM_002967	ENSG00000	SAFB	HAP|HET|S	scaffold	protein-coding
chr19-351	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr19	35158049	35158700	+	0	NA	exon (NM_	exon (NM_	3639	NR_028406	53827	Hs.333418	NM_014164	ENSG00000	FXYD5	DYSAD|HSF	FXYD doma	protein-coding
chr2-3928	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr2	39281900	39283337	+	0	NA	intron (N	intron (N	-38635	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-9931	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr2	99316667	99324751	+	0	NA	intron (N	L1MC4|LIN	15624	NM_005783	10190	Hs.536122	NM_005783	ENSG00000	TXNDC9	APACD|PHL	thioredox	protein-coding
chr2-1351	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-1245	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr22-386	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr22	38683190	38685330	+	0	NA	3’ UTR (N	3’ UTR (N	2303	NM_020243	56993	Hs.595072	NM_020243	ENSG00000	TOMM22	1C9-2|MST	transloca	protein-coding
chr22-461	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr22	46179881	46181458	+	0	NA	intron (N	HERV1_LTF	29874	NM_001362	5465	Hs.103110	NM_005036	ENSG00000	PPARA	NR1C1|PPA	peroxison	protein-coding
chr3-1259	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr3	12596514	12598284	+	0	NA	intron (N	intron (N	40312	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|F	makorin r	protein-coding
chr3-1839	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-49343	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG00000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr4-7081	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr4	70819174	70820825	+	0	NA	3’ UTR (N	3’ UTR (N	19504	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr4-1223	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-22894	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr4-1451	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	36358	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding

chr4-1866	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	MIRb|SINE	56049	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-3716	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr5	37168080	37171409	+	0	NA	intron (N	AluSx|SIN	-79302	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr5-1266	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSz|SIN	10053	NM_032177	51808	Hs.555731	NM_032177	ENSG00000	PHAX	RNUXA	phosphory	protein-coding
chr5-1348	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	9218	NM_001135	134553	Hs.708536	NM_152409	ENSG00000	C5orf24	-	chromosom	protein-coding
chr5-1773	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3271	NM_001271	27166	Hs.744904	NM_013237	ENSG00000	PRELID1	CGI-106|P	PRELI dom	protein-coding
chr6-1390	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr6	1390508	1396209	+	0	NA	intron (N	CpG	-2947	NR_106778	1.02E+08		NR_106778	ENSG00000	MIR6720	hsa-mir-6	microRNA	ncRNA
chr6-4266	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr6	42662797	42666413	+	0	NA	intron (N	intron (N	57992	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-1371	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	20827	NM_001363	3459	Hs.520414	NM_000416	ENSG00000	IFNGR1	CD119|IFN	interfero	protein-coding
chr8-3898	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr8	38989714	38995100	+	0	NA	intron (N	AluJo|SIN	4102	NM_031940	83877	Hs.7471	NM_031940	ENSG00000	TM2D2	BLP1	TM2 domai	protein-coding
chr8-3907	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr8	39071246	39073183	+	0	NA	intron (N	intron (N	-35315	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr8-7685	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr8	76850478	76851202	+	0	NA	intron (N	intron (N	116010	NR_130460	1E+08		NR_130460	ENSG00000	MIR3149	-	microRNA	ncRNA
chr9-1299	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	Charlie4z	65264	NM_015033	23048	Hs.189409	NM_015033	ENSG00000	FNBP1	FBP17	formin bi	protein-coding
chrX-2013	7.930795	-0.12808	0.821515	-0.15591	0.876103	0.981636	chrX	20133608	20138530	+	0	NA	TTS (NR_0	TTS (NR_0	344	NR_023358	1E+08		NR_023358		SCARNA9L	-	small Ca	ncRNA
chr1-3208	7.104281	0.139019	0.891749	0.155895	0.876116	0.981636	chr1	32083750	32084121	+	0	NA	intron (N	AluSx|SIN	-3014	NR_049850	1.01E+08		NR_049850	ENSG00000	MIR5585	-	microRNA	ncRNA
chr1-1181	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr1	11815589	11818278	+	0	NA	intron (N	intron (N	10742	NM_001286	1185	Hs.193043	NM_001286	ENSG00000	CLCN6	CLC-6	chloride	protein-coding
chr1-6700	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr1	67002836	67004065	+	0	NA	3’ UTR (N	3’ UTR (N	50698	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-1519	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	LTR12C|LT	2236	NM_053055	117145	Hs.164070	NM_053055	ENSG00000	THEM4	CTMP	thioester	protein-coding
chr12-120	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	MIRb|SINE	17621	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG00000	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr14-547	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr14	54778191	54780162	+	0	NA	intron (N	intron (N	24343	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr15-904	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr15	90434712	90434911	+	0	NA	intron (N	Tigger4a|	46569	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr15-929	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr15	92973345	92975298	+	0	NA	intron (N	intron (N	69922	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr16-162	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr16	16252223	16256679	+	0	NA	intron (N	intron (N	21856	NM_173614	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL moc	protein-coding
chr17-732	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr17	7321288	7324721	+	0	NA	exon (NM_	exon (NM_	6331	NM_032442	84461	Hs.654794	NM_032442	ENSG00000	NEURL4	-	neuralize	protein-coding
chr17-427	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr17	42774912	42777912	+	0	NA	intron (N	AluSx3|SI	2963	NM_032353	84313	Hs.500165	NM_032353	ENSG00000	VPS25	DERP9|EAP	vacuolar	protein-coding
chr17-501	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr17	50134661	50136391	+	0	NA	intron (N	intron (N	-5366	NM_001257	201191	Hs.567769	NM_174920	ENSG00000	SAMD14	-	sterile a	protein-coding
chr17-819	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr17	81913836	81915939	+	0	NA	intron (N	intron (N	3289	NM_016538	51547	Hs.514636	NM_016538	ENSG00000	SIRT7	SIR2L7	sirtuin 7	protein-coding
chr2-1512	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr2	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12486	NM_198557	375287	Hs.302442	NM_198557	ENSG00000	RBM43	C2orf38	RNA bindi	protein-coding
chr21-392	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr21	39204546	39205662	+	0	NA	intron (N	intron (N	-21590	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-4787	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr3	47870520	47872217	+	0	NA	intron (N	L2b|LINE|	21813	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr4-5546	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr4	55465915	55466432	+	0	NA	intron (N	THE1C|LTR	70216	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr8-9812	9.135931	0.119634	0.768969	0.155578	0.876366	0.981636	chr8	98128024	98132711	+	0	NA	intron (N	intron (N	12527	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr1-3945	11.62303	0.107043	0.688069	0.155571	0.876371	0.981636	chr1	39453948	39461395	+	0	NA	intron (N	L2c|LINE|	-33965	NM_181809	353500	Hs.472497	NM_181809	ENSG00000	BMP8A	-	bone morp	protein-coding
chr20-367	11.62303	0.107043	0.688069	0.155571	0.876371	0.981636	chr20	36796400	36796632	+	0	NA	intron (N	intron (N	-22753	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr1-2296	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	MIRb|SINE	19255	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr15-566	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr15	56676142	56676479	+	0	NA	intron (N	intron (N	57776	NM_001288	54816	Hs.511477	NM_017661	ENSG00000	ZNF280D	SUHW4|ZNF	zinc fing	protein-coding
chr16-683	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr16	68337791	68337990	+	0	NA	intron (N	L2c|LINE|	26776	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr2-6148	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr2	61488040	61488395	+	0	NA	exon (NM_	exon (NM_	-17130	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr3-1261	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr3	12611174	12612336	+	0	NA	intron (N	intron (N	51753	NM_001354	5894	Hs.159130	NM_002880	ENSG00000	RAF1	CMD1NN|CR	Raf-1 pro	protein-coding
chr6-1005	8.88699	-0.12187	0.783465	-0.15555	0.876384	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	AluYc|SIN	-46179	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr1-1611	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	4398	NM_001039	9191	Hs.744092	NM_004216	ENSG00000	DEDD	CASP8IP1|	death eff	protein-coding
chr1-1657	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	L2a|LINE|	3011	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|F	transmemb	protein-coding
chr1-1930	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	AluSx1|SI	5248	NM_197962	51022	Hs.458283	NM_016066	ENSG00000	GLRX2	CGI-133|G	glutaredo	protein-coding
chr1-2465	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSz6|SI	10432	NM_022366	64216	Hs.7395	NM_022366	ENSG00000	TFB2M	Hkp1|mtTF	transcrip	protein-coding
chr10-934	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr10	93412403	93412692	+	0	NA	intron (N	intron (N	69787	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr10-102	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	25043	NM_000102	1586	Hs.438016	NM_000102	ENSG00000	CYP17A1	CPT7|CYP1	cytochrom	protein-coding
chr12-193	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr12	19360781	19362460	+	0	NA	exon (NM_	exon (NM_	-77872	NM_001114	121536	Hs.126497	NM_153207	ENSG00000	AEBP2	-	AE bindin	protein-coding
chr12-644	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr12	64470734	64472511	+	0	NA	intron (N	AluSz|SIN	19502	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr12-111	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJo|SIN	13232	NM_005475	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr12-123	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluY|SINE	3976	NM_001414	1967	Hs.741273	NM_001414	ENSG00000	EIF2B1	EIF2B|EIF	eukaryoti	protein-coding
chr15-619	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr15	61944631	61945844	+	0	NA	intron (N	THE1C|LTR	115210	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr16-149	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr16	14988754	14991010	+	0	NA	intron (N	CpG	14856	NM_001285	23042	Hs.370781	NM_015027	ENSG00000	PDXDC1	LP8165	pyridoxal	protein-coding
chr16-717	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr16	71731686	71733394	+	0	NA	3’ UTR (N	3’ UTR (N	-7839	NM_015020	23035	Hs.709458	NM_015020	ENSG00000	PHLPP2	PHLPPL|PP	PH domain	protein-coding
chr16-844	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr16	84479084	84483130	+	0	NA	intron (N	intron (N	-13746	NR_146503	1.05E+08	Hs.610979	NR_146503	ENSG00000	ATP2C2-AS	-	ATP2C2 an	ncRNA
chr18-458	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr18	45853237	45855930	+	0	NA	intron (N	AluJr|SIN	28908	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-419	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr19	41900294	41900591	+	0	NA	intron (N	MER3|DNA|	15999	NM_199002	9138	Hs.631550	NM_004706	ENSG00000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr2-6940	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr2	69402015	69402775	+	0	NA	intron (N	AluJo|SIN	-15141	NM_001244	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr3-1790	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	41059	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr4-7792	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr4	7792125	7793995	+	0	NA	intron (N	Charlie1|	38970	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr5-1442	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr5	14426720	14427713	+	0	NA	intron (N	intron (N	-36767	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr7-7765	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr7	77655734	77657306	+	0	NA	Intergeni	AluSx4|SI	39745	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr8-9916	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr8	99162779	99163327	+	0	NA	intron (N	LTR12C|LT	149787	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-3789	8.152463	0.126473	0.813202	0.155525	0.876407	0.981636	chr9	37895200	37896945	+	0	NA	intron (N	AluSz6|SI	8055	NM_033412	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr16-482	8.615769	0.123635	0.795288	0.155459	0.876459	0.981636	chr16	48296989	48297707	+	0	NA	intron (N	AluSx|SIN	-49809	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr2-3256	8.615769	0.123635	0.795288	0.155459	0.876459	0.981636	chr2	32564781	32566673	+	0	NA	intron (N	THE1C|LTR	9091	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr1-7781	10.1194	0.114119	0.734432	0.155384	0.876519	0.981636	chr1	77813950	77814553	+	0	NA	intron (N	intron (N	34446	NM_001363	374986	Hs.437755	NM_198549	ENSG00000	MIGA1	FAM73A	mitoguard	protein-coding
chr12-531	10.1194	0.114119	0.734432	0.155384	0.876519	0.981636	chr12	53184348	53185131	+	0	NA	intron (N	intron (N	-3814	NM_001244	51380	Hs.279815	NM_015989	ENSG00000	CSAD	CSD|PCAP	cysteine	protein-coding
chr6-1391	10.6807	0.112511	0.724134	0.155373	0.876528	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	31792	NM_016217	51696	Hs.197644	NM_016217	ENSG00000	HECA	HDC|HDCL|	hdc homol	protein-coding
chr7-1400	7.485054	-0.13315	0.857541	-0.15527	0.876611	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	26055	NM_022750	64761	Hs.12646	NM_022750	ENSG00000	PARP12	ARTD12|MS	poly(ADP-	protein-coding
chr9-1377	7.485054	-0.13315	0.857541	-0.15527	0.876611	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3977	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr5-1361	8.837992	-0.1225	0.78935	-0.1552	0.876666	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	MLT1F2|LT	-21427	NR_026763	9597	Hs.59666	NM_022001	ENSG00000	SMAD5-AS1	DAMS|SMAD	SMAD5 ant	ncRNA
chr6-2961	8.837992	-0.1225	0.78935	-0.1552	0.876666	0.981636	chr6	29613112	29613315	+	0	NA	intron (N	intron (N	15015	NM_021903	2550	Hs.167017	NM_001470	ENSG00000	GABBR1	GABABR1|G	gamma-ami	protein-coding
chr1-2259	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	Intergeni	MIRb|SINE	3457	NR_106799	1.02E+08		NR_106799	ENSG00000	MIR6741	hsa-mir-6	microRNA	ncRNA
chr10-956	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr10	95607825	95611334	+	0	NA	intron (N	MIRb|SINE	47132	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr12-147	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr12	14792633	14793764	+	0	NA	intron (N	intron (N	10280	NM_016312	51729	Hs.655138	NM_016312	ENSG00000	WBP11	NPWBP|PPP	WW domain	protein-coding
chr12-108	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	13549	NM_014706	9733	Hs.584842	NM_014706	ENSG00000	SART3	DSAP1|P10	spliceoso	protein-coding
chr12-132	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	4064	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr17-202	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr17	20231517	20233724	+	0	NA	intron (N	intron (N	76548	NM_001033	92521	Hs.431045	NM_152904	ENSG00000	SPECC1	CYTSB|HCM	sperm ant	protein-coding
chr2-2327	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSg|SIN	14109	NM_002242	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr8-9810	7.681299	0.131409	0.84676	0.15519	0.876671	0.981636	chr8	98103225	98105575	+	0	NA	intron (N	intron (N	12771	NM_005836	10247	Hs.18426	NM_005836	ENSG00000	RIDA	HRSP12|P1	reactive	protein-coding
chr10-844	8.193603	0.128162	0.826051	0.15515	0.876703	0.981636	chr10	84491121	84491320	+	0	NA	intron (N	L1PA5|LIN	66051	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|G	coiled-co	protein-coding
chr13-484	8.193603	0.128162	0.826051	0.15515	0.876703	0.981636	chr13	48427186	48428129	+	0	NA	promoter-	promoter-	-749	NM_001162	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr19-881	8.193603	0.128162	0.826051	0.15515	0.876703	0.981636	chr19	881113	883330	+	0	NA	intron (N	intron (N	10966	NM_005481	10025	Hs.365207	NM_005481	ENSG00000	MED16	DRIP92|TH	mediator	protein-coding
chr1-2075	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr1	20756351	20759160	+	0	NA	intron (N	intron (N	-25052	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr11-653	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr11	65340175	65344460	+	0	NA	intron (N	AluJr|SIN	8465	NM_001330	5977	Hs.13495	NM_006268	ENSG00000	DPF2	CSS7|REQ|	double PH	protein-coding
chr12-571	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr12	57138959	57145859	+	0	NA	intron (N	intron (N	5210	NR_131938	1.06E+08	Hs.609540	NR_131938	ENSG00000	LRP1-AS	-	LRP1 anti	ncRNA
chr16-161	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr16	16130871	16145125	+	0	NA	intron (N	AluJr|SIN	85473	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr17-143	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr17	1434470	1437066	+	0	NA	intron (N	AluJr|SIN	20464	NM_016823	1398	Hs.461896	NM_005206	ENSG00000	CRK	CRKII|p38	CRK proto	protein-coding
chr17-419	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr17	41987362	42001684	+	0	NA	intron (N	AluSx|SIN	22642	NM_001144	7266	Hs.500156	NM_003315	ENSG00000	DNAJC7	DJ11|DJC7	DnaJ heat	protein-coding
chr2-2002	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr2	20028272	20040781	+	0	NA	intron (N	intron (N	17102	NM_014713	9741	Hs.467807	NM_014713	ENSG00000	LAPTM4A	HUMORF13|	lysosomal	protein-coding
chr3-4456	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr3	44568641	44572681	+	0	NA	exon (NM_	exon (NM_	-14303	NM_001351	1.1E+08	Hs.157035	NM_001351732		ZNF660-ZN	-	ZNF660-ZN	protein-coding
chr5-3480	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr5	34807534	34831139	+	0	NA	intron (N	Charlie4a	-19828	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr7-6400	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr7	6400795	6402214	+	0	NA	intron (N	intron (N	26977	NM_006908	5879	Hs.413812	NM_006908	ENSG00000	RAC1	MIG5|MRD4	Rac famil	protein-coding
chr7-7418	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr7	74187727	74197032	+	0	NA	intron (N	intron (N	1181	NR_030321	693175		NR_030321	ENSG00000	MIR590	MIRN590|h	microRNA	ncRNA
chr7-1119	10.63956	0.111105	0.716683	0.155026	0.876801	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	135042	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr16-301	7.168995	0.13512	0.871678	0.155011	0.876812	0.981636	chr16	30117069	30121787	+	0	NA	intron (N	FLAM_C|SI	3792	NM_002746	5595	Hs.861	NM_002746	ENSG00000	MAPK3	ERK-1|ERK	mitogen-a	protein-coding
chr17-820	7.168995	0.13512	0.871678	0.155011	0.876812	0.981636	chr17	82056853	82057953	+	0	NA	TTS (NM_0	TTS (NM_0	5505	NM_212492	2873	Hs.268530	NM_004127	ENSG00000	GPS1	COPS1|CSN	G protein	protein-coding
chr22-214	7.168995	0.13512	0.871678	0.155011	0.876812	0.981636	chr22	21445063	21447300	+	0	NA	exon (NM_	exon (NM_	-20989	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr3-1970	7.168995	0.13512	0.871678	0.155011	0.876812	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJb|SIN	-16790	NM_033316	4241	Hs.184727	NM_005929	ENSG00000	MELTF	CD228|MAP	melanotra	protein-coding
chr7-1557	7.168995	0.13512	0.871678	0.155011	0.876812	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	38987	NR_132318	6469	Hs.164537	NM_000193	ENSG00000	SHH	HHG1|HLP3	sonic hed	protein-coding
chr11-111	8.449107	-0.12786	0.825134	-0.15496	0.876851	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx|SIN	-6643	NM_033425	85458	Hs.655626	NM_033425	ENSG00000	DIXDC1	CCD1	DIX domai	protein-coding
chr18-633	8.705906	0.125314	0.808759	0.154946	0.876864	0.981636	chr18	63343431	63344131	+	0	NA	intron (N	HAL1|LINE	23425	NM_002035	2531	Hs.74050	NM_002035	ENSG00000	KDSR	DHSR|EKVP	3-ketodih	protein-coding
chr9-3554	8.705906	0.125314	0.808759	0.154946	0.876864	0.981636	chr9	35548375	35548836	+	0	NA	intron (N	intron (N	9973	NM_001135	9853	Hs.493796	NM_014806	ENSG00000	RUSC2	Iporin|MR	RUN and S	protein-coding
chr10-457	10.1684	0.114157	0.737194	0.154853	0.876937	0.981636	chr10	45742655	45747800	+	0	NA	intron (N	intron (N	17961	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr11-958	10.1684	0.114157	0.737194	0.154853	0.876937	0.981636	chr11	9586481	9587543	+	0	NA	intron (N	AluJb|SIN	12325	NM_001143	7465	Hs.249441	NM_003390	ENSG00000	WEE1	WEE1A|WEE	WEE1 G2 c	protein-coding
chr17-803	10.1684	0.114157	0.737194	0.154853	0.876937	0.981636	chr17	80346750	80354003	+	0	NA	exon (NM_	exon (NM_	-64791	NR_148041	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr3-1444	10.1684	0.114157	0.737194	0.154853	0.876937	0.981636	chr3	14445221	14449679	+	0	NA	intron (N	intron (N	44844	NM_001134	6533	Hs.529488	NM_003043	ENSG00000	SLC6A6	TAUT	solute ca	protein-coding
chr6-3717	15.09212	-0.09478	0.612598	-0.15471	0.877047	0.981636	chr6	37172597	37175797	+	0	NA	3’ UTR (N	3’ UTR (N	4045	NM_001243	5292	Hs.81170	NM_002648	ENSG00000	PIM1	PIM	Pim-1 pro	protein-coding
chr1-1093	8.433391	-0.12446	0.804432	-0.15471	0.877047	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	26417	NM_001205	6272	Hs.485195	NM_002959	ENSG00000	SORT1	Gp95|LDLC	sortilin	protein-coding
chr15-419	8.433391	-0.12446	0.804432	-0.15471	0.877047	0.981636	chr15	41918777	41919256	+	0	NA	intron (N	MIRb|SINE	-2401	NR_120332	1.02E+08	Hs.680195	NR_120332		EHD4-AS1	-	EHD4 anti	ncRNA
chr2-9861	8.433391	-0.12446	0.804432	-0.15471	0.877047	0.981636	chr2	98612515	98614901	+	0	NA	intron (N	intron (N	5119	NM_001330	25972	Hs.13370	NM_014044	ENSG00000	UNC50	GMH1|HSD2	unc-50 in	protein-coding
chr5-8357	8.433391	-0.12446	0.804432	-0.15471	0.877047	0.981636	chr5	83576753	83577470	+	0	NA	intron (N	L1ME3E|LI	-14797	NR_136215	1.05E+08	Hs.643801	NR_136215	ENSG00000	VCAN-AS1	-	VCAN anti	ncRNA
chr7-5516	8.433391	-0.12446	0.804432	-0.15471	0.877047	0.981636	chr7	55162914	55163780	+	0	NA	intron (N	intron (N	25602	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr2-1270	6.941319	-0.14014	0.906378	-0.15461	0.877125	0.981636	chr2	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	18721	NM_001320	274	Hs.193163	NM_004305	ENSG00000	BIN1	AMPH2|AMP	bridging	protein-coding
chr6-7905	6.941319	-0.14014	0.906378	-0.15461	0.877125	0.981636	chr6	79051985	79052213	+	0	NA	intron (N	L2c|LINE|	26155	NM_017934	55023	Hs.511817	NM_017934	ENSG00000	PHIP	BRWD2|DCA	pleckstri	protein-coding
chr1-4277	10.10581	0.214942	1.390419	0.154588	0.877146	0.981636	chr1	42775184	42775439	+	0	NA	exon (NM_	exon (NM_	8062	NR_040733	79078	Hs.148845	NM_024097	ENSG00000	C1orf50	-	chromosom	protein-coding
chr1-5424	6.656691	0.139374	0.901891	0.154535	0.877188	0.981636	chr1	54241141	54243211	+	0	NA	exon (NM_	exon (NM_	5733	NR_103541	619518	Hs.591438	NM_001034	ENSG00000	SSBP3-AS1	C1orf191|	SSBP3 ant	ncRNA
chr11-643	6.656691	0.139374	0.901891	0.154535	0.877188	0.981636	chr11	64320843	64322273	+	0	NA	intron (N	intron (N	3316	NM_001358	25824	Hs.502823	NM_012094	ENSG00000	PRDX5	ACR1|AOEB	peroxired	protein-coding
chr19-144	6.656691	0.139374	0.901891	0.154535	0.877188	0.981636	chr19	14460914	14462894	+	0	NA	intron (N	intron (N	13450	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr4-2483	6.656691	0.139374	0.901891	0.154535	0.877188	0.981636	chr4	24830997	24831253	+	0	NA	intron (N	intron (N	35552	NM_003102	6649	Hs.2420	NM_003102	ENSG00000	SOD3	EC-SOD	superoxid	protein-coding
chr2-9386	14.58915	0.096197	0.622814	0.154455	0.877251	0.981636	chr2	93867628	93867827	+	0	NA	Intergeni	ALR/Alpha	340692	NR_146108	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr11-459	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr11	45937440	45938523	+	0	NA	intron (N	intron (N	15325	NM_001300	120071	Hs.86543	NM_152312	ENSG00000	LARGE2	GYLTL1B|P	LARGE xyl	protein-coding
chr11-467	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr11	46772807	46773275	+	0	NA	intron (N	AluSc|SIN	-10542	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr12-104	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	L1PA8|LIN	5189	NM_013320	29915	Hs.506558	NM_013320	ENSG00000	HCFC2	HCF-2|HCF	host cell	protein-coding

chr14-694	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr14	69456503	69457619	+	0	NA	intron (N	intron (N	-27667	NM_001161	400224	Hs.509796	NM_001161	ENSG00000	PLEKHD1	UPF0639	pleckstri	protein-coding
chr15-526	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr15	52624329	52624797	+	0	NA	intron (N	MamSINE1|	27477	NM_001286	56204	Hs.152385	NM_019600	ENSG00000	FAM214A	KIAA1370	family wi	protein-coding
chr17-625	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr17	62575550	62577920	+	0	NA	exon (NM_	exon (NM_	-50935	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr2-2034	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	72428	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr6-1586	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	(CTCACC)n	17109	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr9-9652	7.640159	0.129593	0.839121	0.154439	0.877264	0.981636	chr9	96526249	96526467	+	0	NA	intron (N	AluY|SINE	40473	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr1-1935	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr1	19354234	19357400	+	0	NA	intron (N	intron (N	43491	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-2094	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr1	20941489	20942271	+	0	NA	exon (NM_	exon (NM_	46552	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr14-528	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr14	52890053	52893936	+	0	NA	intron (N	L2b|LINE|	59056	NM_006832	10979	Hs.509343	NM_006832	ENSG00000	FERMT2	KIND2|MIG	fermitin	protein-coding
chr17-450	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr17	45081885	45087504	+	0	NA	intron (N	FLAM_C|SI	23377	NM_021079	4836	Hs.532790	NM_021079	ENSG00000	NMT1	NMT	N-myristo	protein-coding
chr21-360	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr21	36052584	36056915	+	0	NA	intron (N	intron (N	5615	NM_001007	54093	Hs.606200	NM_017438	ENSG00000	SETD4	C21orf18|	SET domai	protein-coding
chr21-372	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr21	37223155	37225040	+	0	NA	3’ UTR (N	3’ UTR (N	15594	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr22-411	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr22	41160433	41166148	+	0	NA	intron (N	AluYa5|SI	34211	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr5-1548	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	TTS (NM_0	TTS (NM_0	28751	NM_001301	9337	Hs.26703	NM_004779	ENSG00000	CNOT8	CAF1|CALI	CCR4-NOT	protein-coding
chr6-1109	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L2c|LINE|	4123	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr6-1597	8.879132	-0.12028	0.780327	-0.15414	0.877497	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJb|SIN	-10040	NM_005891	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Co	protein-coding
chr1-2353	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluY|SINE	14031	NM_001287	6905	Hs.744998	NM_003193	ENSG00000	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr11-106	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr11	10622612	10623664	+	0	NA	intron (N	intron (N	29163	NM_001098	10335	Hs.501898	NM_130385	ENSG00000	MRVI1	IRAG|JAW1	murine re	protein-coding
chr16-365	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr16	3658277	3658720	+	0	NA	TTS (NM_0	TTS (NM_0	3794	NM_001351	1773	Hs.629638	NM_005223	ENSG00000	DNASE1	DNL1|DRNI	deoxyribo	protein-coding
chr17-425	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr17	42564553	42566466	+	0	NA	exon (NM_	exon (NM_	-1551	NM_170607	6945	Hs.383019	NM_170607	ENSG00000	MLX	MAD7|MXD7	MAX dimer	protein-coding
chr17-465	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr17	46548070	46549226	+	0	NA	exon (NM_	exon (NM_	31064	NM_001330	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr19-194	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr19	19465568	19469345	+	0	NA	intron (N	L1ME3A|LI	32393	NR_030370	693225		NR_030370	ENSG00000	MIR640	MIRN640|h	microRNA	ncRNA
chr19-361	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr19	36182207	36183741	+	0	NA	exon (NM_	exon (NM_	-30527	NM_001864	1346	Hs.421621	NM_001864	ENSG00000	COX7A1	COX7A|COX	cytochrom	protein-coding
chr4-1186	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-2388	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr5-1135	9.656093	0.115991	0.752577	0.154124	0.877512	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	50720	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr1-1933	8.623627	0.121981	0.792023	0.154012	0.8776	0.981636	chr1	19339349	19339860	+	0	NA	exon (NM_	exon (NM_	27278	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr17-383	8.623627	0.121981	0.792023	0.154012	0.8776	0.981636	chr17	3839470	3840235	+	0	NA	intron (N	MIR|SINE|	6394	NM_001114	55421	Hs.120963	NM_018553	ENSG00000	NCBP3	C17orf85|	nuclear c	protein-coding
chr3-1838	8.623627	0.121981	0.792023	0.154012	0.8776	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	25180	NM_001037	55486	Hs.478469	NM_018622	ENSG00000	PARL	PRO2207|P	presenili	protein-coding
chr7-1393	8.623627	0.121981	0.792023	0.154012	0.8776	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	19920	NM_016019	51631	Hs.731488	NM_016019	ENSG00000	LUC7L2	CGI-59|CC	LUC7 like	protein-coding
chr19-526	13.13452	0.10047	0.65257	0.15396	0.877641	0.981636	chr19	52611986	52620547	+	0	NA	intron (N	intron (N	19582	NR_023311	7696	Hs.373648	NM_003438		ZNF137P	ZNF137|pH	zinc fing	pseudo
chr9-8396	13.60568	0.098559	0.641157	0.153721	0.87783	0.981636	chr9	83968996	83978160	+	0	NA	intron (N	intron (N	-3721	NR_029605	407043		NR_029605	ENSG00000	MIR7-1	MIRN7-1|h	microRNA	ncRNA
chr16-482	6.982458	-0.13758	0.895037	-0.15372	0.877833	0.981636	chr16	48290218	48290832	+	0	NA	intron (N	MER21B|LT	-42986	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr12-104	11.63089	0.105786	0.688288	0.153695	0.877851	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	41976	NM_001008	493861	Hs.659857	NM_001008	ENSG00000	EID3	NS4EB|NSE	EP300 int	protein-coding
chr16-482	11.63089	0.105786	0.688288	0.153695	0.877851	0.981636	chr16	48285852	48287784	+	0	NA	intron (N	L1M4|LINE	-39279	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr2-6187	11.63089	0.105786	0.688288	0.153695	0.877851	0.981636	chr2	61874274	61884932	+	0	NA	intron (N	intron (N	9053	NM_006430	10575	Hs.421509	NM_006430	ENSG00000	CCT4	CCT-DELTA	chaperoni	protein-coding
chr5-3888	11.63089	0.105786	0.688288	0.153695	0.877851	0.981636	chr5	38881476	38888013	+	0	NA	intron (N	intron (N	38732	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr13-952	10.12726	0.11269	0.733296	0.153675	0.877866	0.981636	chr13	95262218	95266784	+	0	NA	intron (N	L1MC4|LIN	36945	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MC	ATP bindi	protein-coding
chr15-424	10.12726	0.11269	0.733296	0.153675	0.877866	0.981636	chr15	42414412	42418784	+	0	NA	3’ UTR (N	3’ UTR (N	11819	NM_173089	825	Hs.143261	NM_000070	ENSG00000	CAPN3	CANP3|CAN	calpain 3	protein-coding
chr2-3238	10.12726	0.11269	0.733296	0.153675	0.877866	0.981636	chr2	32382356	32384070	+	0	NA	intron (N	AluSg|SIN	26185	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr20-270	27.53325	0.073562	0.478734	0.153659	0.877879	0.981636	chr20	27091973	27092179	+	0	NA	Intergeni	ALR/Alpha	-882843	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-777	6.144387	0.144263	0.938965	0.15364	0.877894	0.981636	chr10	77780703	77781113	+	0	NA	Intergeni	Intergeni	-143100	NM_001322	3778	Hs.144795	NM_002247	ENSG00000	KCNMA1	BKTM|CADE	potassium	protein-coding
chr1-6188	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr1	6188903	6197265	+	0	NA	intron (N	intron (N	6511	NM_000983	6146	Hs.515329	NM_000983	ENSG00000	RPL22	EAP|HBP15	ribosomal	protein-coding
chr1-2123	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	intron (N	6629	NR_004389	692157	Hs.707958	NR_004389	ENSG00000	SNORA16B	U98b	small nuc	snoRNA
chr10-118	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr10	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	7048	NM_022063	63877	Hs.105575	NM_022063	ENSG00000	FAM204A	C10orf84|	family wi	protein-coding
chr11-662	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr11	66270025	66275142	+	0	NA	intron (N	intron (N	3944	NM_030981	81876	Hs.300816	NM_030981	ENSG00000	RAB1B	-	RAB1B, me	protein-coding
chr12-215	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr12	21515900	21517033	+	0	NA	3’ UTR (N	3’ UTR (N	-9830	NM_030572	80763	Hs.130692	NM_030572	ENSG00000	SPX	C12orf39	spexin ho	protein-coding
chr13-209	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr13	20985709	20991246	+	0	NA	exon (NM_	exon (NM_	-39049	NR_104058	1.02E+08	Hs.637638	NR_104058	ENSG00000	LINC00367	-	long inte	ncRNA
chr14-650	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr14	65076570	65079011	+	0	NA	intron (N	intron (N	-12128	NR_045122	1.01E+08	Hs.711267	NR_045122	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-747	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr14	74732659	74733976	+	0	NA	intron (N	LTR104_Ma	20173	NM_001318	51077	Hs.579828	NM_015962	ENSG00000	FCF1	Bka|C14or	FCF1 rRNA	protein-coding
chr14-776	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr14	77674160	77675473	+	0	NA	intron (N	AluSz6|SI	33207	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homo	protein-coding
chr14-100	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr14	1E+08	1E+08	+	0	NA	intron (N	intron (N	8465	NM_004184	7453	Hs.497599	NM_004184	ENSG00000	WARS	GAMMA-2|h	tryptopha	protein-coding
chr15-740	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr15	74033240	74035350	+	0	NA	intron (N	intron (N	39579	NM_033244	5371	Hs.526464	NM_002675	ENSG00000	PML	MYL|PP867	promyeloc	protein-coding
chr16-318	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr16	31888572	31897565	+	0	NA	intron (N	THE1B-int	19261	NM_003414	10308	Hs.460645	NM_003414	ENSG00000	ZNF267	HZF2	zinc fing	protein-coding
chr16-756	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr16	75626470	75631111	+	0	NA	intron (N	intron (N	-5509	NM_001324	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr17-500	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr17	50089589	50090531	+	0	NA	3’ UTR (N	3’ UTR (N	-4677	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr18-458	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr18	45887982	45889830	+	0	NA	intron (N	intron (N	63231	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-452	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr19	45281542	45283847	+	0	NA	intron (N	AluSg7|SI	31423	NM_001199	57787	Hs.34314	NM_031417	ENSG00000	MARK4	MARK4L|MA	microtubu	protein-coding
chr2-8648	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr2	86482294	86486816	+	0	NA	intron (N	intron (N	43094	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1018	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-91156	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr2-1178	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	-8659	NR_158150	1.08E+08		NR_158150		LOC107985	-	uncharact	ncRNA
chr2-2009	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	MER106A|D	8959	NR_033915	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr3-4264	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr3	42642771	42647575	+	0	NA	intron (N	intron (N	-8524	NM_145166	92999	Hs.409561	NM_145166	ENSG00000	ZBTB47	ZNF651	zinc fing	protein-coding
chr3-5814	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr3	58144931	58151045	+	0	NA	intron (N	intron (N	22647	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr4-1381	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-42026	NR_037866	641365	Hs.435630	NR_037866	ENSG00000	LINC00616	-	long inte	ncRNA
chr5-7817	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr5	78172542	78175982	+	0	NA	intron (N	L1PA6|LIN	120436	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr5-1511	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-14001	NM_001252	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr5-1795	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSz|SIN	8498	NM_001040	80230	Hs.306769	NM_025158	ENSG00000	RUFY1	RABIP4|ZF	RUN and F	protein-coding
chr6-1779	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr6	17793828	17801803	+	0	NA	intron (N	AluJr|SIN	90772	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr8-1933	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr8	19333197	19338052	+	0	NA	intron (N	MER58A|DN	21648	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-2259	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr8	22593570	22595801	+	0	NA	TTS (NM_0	TTS (NM_0	-4914	NM_001013	541565	Hs.743508	NM_173686	ENSG00000	C8orf58	-	chromosom	protein-coding
chr9-1278	8.425533	-0.12282	0.799426	-0.15363	0.877898	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	8323	NR_136302	1.03E+08		NR_136302	ENSG00000	LOC102723	-	uncharact	ncRNA
chr1-2488	7.477196	-0.13134	0.855477	-0.15353	0.877983	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	intron (N	intron (N	4866	NM_001350	55657	Hs.377705	NM_017865	ENSG00000	ZNF692	AREBP|Zfp	zinc fing	protein-coding
chr17-400	7.477196	-0.13134	0.855477	-0.15353	0.877983	0.981636	chr17	40083935	40084694	+	0	NA	intron (N	intron (N	16275	NM_021724	9572	Hs.724	NM_021724	ENSG00000	NR1D1	EAR1|REVE	nuclear r	protein-coding
chr8-1729	7.477196	-0.13134	0.855477	-0.15353	0.877983	0.981636	chr8	17292392	17293225	+	0	NA	intron (N	L1PA7|LIN	45850	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr15-725	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr15	72576942	72579342	+	0	NA	intron (N	Tigger2|D	-9075	NR_030359	693215		NR_030359	ENSG00000	MIR630	MIRN630|h	microRNA	ncRNA
chr19-114	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr19	11437071	11439265	+	0	NA	intron (N	intron (N	-2386	NM_001302	115948	Hs.124010	NM_145045	ENSG00000	CCDC151	CILD30	coiled-co	protein-coding
chr20-392	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr20	3920258	3920859	+	0	NA	intron (N	intron (N	-2995	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr3-5809	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr3	58098195	58099732	+	0	NA	intron (N	intron (N	71672	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr7-7304	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr7	73040690	73042262	+	0	NA	Intergeni	Intergeni	-11714	NR_003664	728524	Hs.571275	NM_001023562		SPDYE8P	-	speedy/RI	pseudo
chr7-1394	11.15972	0.108337	0.70621	0.153407	0.878078	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	21634	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr13-111	8.376536	-0.12342	0.805095	-0.1533	0.878165	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	Intergeni	Intergeni	-8514	NM_001303	121793	Hs.210677	NM_152324	ENSG00000	TEX29	C13orf16|	testis ex	protein-coding
chr17-766	8.376536	-0.12342	0.805095	-0.1533	0.878165	0.981636	chr17	76680090	76681129	+	0	NA	non-codin	non-codin	8054	NM_001363	439921	Hs.250723	NM_198530	ENSG00000	MXRA7	-	matrix re	protein-coding
chr2-7140	8.376536	-0.12342	0.805095	-0.1533	0.878165	0.981636	chr2	71403733	71404702	+	0	NA	intron (N	intron (N	-49344	NM_001130	8291	Hs.252180	NM_003494	ENSG00000	DYSF	FER1L1|LG	dysferlin	protein-coding
chr3-1491	8.376536	-0.12342	0.805095	-0.1533	0.878165	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSp|SIN	12356	NM_032383	84343	Hs.558314	NM_032383	ENSG00000	HPS3	BLOC2S1|S	HPS3 biog	protein-coding
chr3-1505	8.376536	-0.12342	0.805095	-0.1533	0.878165	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3457	NM_014445	27230	Hs.518326	NM_014445	ENSG00000	SERP1	RAMP4	stress as	protein-coding
chr1-7789	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr1	77894050	77895543	+	0	NA	intron (N	AluSx3|SI	-5257	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr10-619	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr10	61966013	61968217	+	0	NA	intron (N	L3|LINE|C	65416	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-557	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr12	55751929	55753588	+	0	NA	non-codin	non-codin	9636	NM_005811	10220	Hs.600883	NM_005811	ENSG00000	GDF11	BMP-11|BM	growth di	protein-coding
chr12-105	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	L1MB8|LIN	4839	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr16-118	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr16	11878391	11880293	+	0	NA	intron (N	AluSg7|SI	-27800	NM_015659	26156	Hs.401842	NM_015659	ENSG00000	RSL1D1	CSIG|L12|	ribosomal	protein-coding
chr17-418	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr17	41825343	41825542	+	0	NA	non-codin	non-codin	-10243	NM_001329	317719	Hs.127510	NM_152467	ENSG00000	KLHL10	SPGF11	kelch lik	protein-coding
chr17-448	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr17	44879050	44880812	+	0	NA	intron (N	intron (N	19437	NM_001258	9343	Hs.151787	NM_004247	ENSG00000	EFTUD2	MFDGA|MFD	elongatio	protein-coding
chr18-458	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr18	45886528	45887038	+	0	NA	intron (N	AluSp|SIN	61108	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-131	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr19	13126507	13126764	+	0	NA	intron (N	intron (N	8371	NM_052876	112939	Hs.531614	NM_052876	ENSG00000	NACC1	BEND8|BTE	nucleus a	protein-coding
chr21-332	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr21	33272700	33273415	+	0	NA	intron (N	Tigger3c|	6690	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr3-1125	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-23646	NM_001348	55032	Hs.237480	NM_017945	ENSG00000	SLC35A5	-	solute ca	protein-coding
chr4-5648	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr4	56483956	56485625	+	0	NA	exon (NM_	exon (NM_	17173	NR_151856	6731	Hs.237825	NM_006947	ENSG00000	SRP72	BMFF|BMFS	signal re	protein-coding
chr5-5306	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr5	53064754	53067345	+	0	NA	intron (N	intron (N	43708	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr5-7744	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr5	77447095	77449725	+	0	NA	intron (N	intron (N	43906	NM_018268	55255	Hs.482573	NM_018268	ENSG00000	WDR41	MSTP048	WD repeat	protein-coding
chr6-4264	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr6	42644682	42646463	+	0	NA	exon (NM_	exon (NM_	77025	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr7-7417	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr7	74176363	74177580	+	0	NA	intron (N	intron (N	2615	NM_031992	7458	Hs.520943	NM_022170	ENSG00000	EIF4H	WBSCR1|WS	eukaryoti	protein-coding
chr7-1301	7.922937	-0.12632	0.824845	-0.15315	0.87828	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSz|SIN	-15240	NR_149033	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr10-590	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr10	5909172	5911970	+	0	NA	intron (N	intron (N	16185	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr11-591	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr11	59189143	59197095	+	0	NA	intron (N	intron (N	19808	NM_001039	219972	Hs.744920	NM_001039	ENSG00000	MPEG1	MPG1|MPS1	macrophag	protein-coding
chr12-534	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr12	53485373	53487036	+	0	NA	exon (NM_	exon (NM_	13254	NM_001193	7786	Hs.713539	NM_006301	ENSG00000	MAP3K12	DLK|MEKK1	mitogen-a	protein-coding
chr12-570	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr12	57094871	57095510	+	0	NA	TTS (NM_0	TTS (NM_0	6076	NM_001330	4665	Hs.159223	NM_005967	ENSG00000	NAB2	MADER	NGFI-A bi	protein-coding
chr15-408	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr15	40898584	40901836	+	0	NA	exon (NM_	exon (NM_	5760	NM_020857	57617	Hs.23876	NM_020857	ENSG00000	VPS18	PEP3	VPS18 cor	protein-coding
chr17-199	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr17	19917496	19919641	+	0	NA	intron (N	AluJb|SIN	-50632	NM_014683	9706	Hs.168762	NM_014683	ENSG00000	ULK2	ATG1B|Unc	unc-51 li	protein-coding
chr4-1837	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	42654	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr6-7348	9.143789	0.118031	0.770722	0.153143	0.878285	0.981636	chr6	73481549	73484235	+	0	NA	intron (N	AluYk2|SI	21155	NM_001123	25821	Hs.347614	NM_012123	ENSG00000	MTO1	CGI-02|CC	mitochond	protein-coding
chr17-432	12.66335	0.10252	0.669466	0.153137	0.878291	0.981636	chr17	43264362	43264987	+	0	NA	Intergeni	ERV3-16A3	2149	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr16-294	13.08552	0.100403	0.655672	0.153129	0.878296	0.981636	chr16	29449671	29450247	+	0	NA	TTS (NR_0	TTS (NR_0	614	NR_002454	606724	Hs.744975	NR_002454		LOC606724	-	coronin 1	pseudo
chr1-1239	30.46479	-0.07022	0.458643	-0.15311	0.878311	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2466707	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5640	8.103465	0.126313	0.825073	0.153093	0.878325	0.981636	chr7	5640393	5641520	+	0	NA	intron (N	L1MD|LINE	39505	NR_046834	1.01E+08	Hs.665728	NR_046834	ENSG00000	RNF216-IT	-	RNF216 in	ncRNA
chr7-1342	8.103465	0.126313	0.825073	0.153093	0.878325	0.981636	chr7	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	20532	NM_032826	84912	Hs.490181	NM_032826	ENSG00000	SLC35B4	YEA|YEA4	solute ca	protein-coding
chr17-599	9.184929	0.119575	0.781627	0.152982	0.878413	0.981636	chr17	59923174	59923574	+	0	NA	intron (N	AluSz6|SI	30253	NR_161462	6198	Hs.463642	NM_003161	ENSG00000	RPS6KB1	PS6K|S6K|	ribosomal	protein-coding
chr3-1430	9.184929	0.119575	0.781627	0.152982	0.878413	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	L2b|LINE|	42103	NM_001320	23350	Hs.596572	NM_001080	ENSG00000	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr14-965	7.127855	0.133105	0.870391	0.152926	0.878457	0.981636	chr14	96565188	96566049	+	0	NA	3’ UTR (N	3’ UTR (N	62753	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr2-2030	7.127855	0.133105	0.870391	0.152926	0.878457	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx|SIN	85795	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr4-1028	7.127855	0.133105	0.870391	0.152926	0.878457	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	16572	NM_001300	7323	Hs.518773	NM_003340	ENSG00000	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chr5-1503	7.127855	0.133105	0.870391	0.152926	0.878457	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	14350	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr5-1510	7.127855	0.133105	0.870391	0.152926	0.878457	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	19729	NM_001258	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr17-423	12.62221	0.101304	0.663408	0.152703	0.878632	0.981636	chr17	42343599	42346912	+	0	NA	intron (N	AluSp|SIN	43187	NM_001369	6774	Hs.463059	NM_003150	ENSG00000	STAT3	ADMIO|ADM	signal tr	protein-coding

chr19-439	12.62221	0.101304	0.663408	0.152703	0.878632	0.981636	chr19	43912720	43927370	+	0	NA	intron (N	intron (N	15237	NM_003425	7596	Hs.381285	NM_003425	ENSG00000	ZNF45	KOX5|ZNF1	zinc fing	protein-coding
chr2-8537	12.62221	0.101304	0.663408	0.152703	0.878632	0.981636	chr2	85378543	85381432	+	0	NA	intron (N	MER4-int|	25218	NM_001135	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr10-997	8.672625	0.121943	0.798714	0.152674	0.878656	0.981636	chr10	99755719	99757116	+	0	NA	TTS (NM_0	TTS (NM_0	-23751	NM_001320	1355	Hs.28326	NM_004376	ENSG00000	COX15	CEMCOX2	cytochrom	protein-coding
chr19-368	8.672625	0.121943	0.798714	0.152674	0.878656	0.981636	chr19	36859922	36860583	+	0	NA	intron (N	AluY|SINE	8601	NM_001242	25850	Hs.362324	NM_003419	ENSG00000	ZNF345	HZF10	zinc fing	protein-coding
chr5-6571	8.672625	0.121943	0.798714	0.152674	0.878656	0.981636	chr5	65711530	65712650	+	0	NA	intron (N	AluJo|SIN	10019	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr1-7770	7.881798	-0.12859	0.842342	-0.15265	0.878672	0.981636	chr1	77708314	77709388	+	0	NA	intron (N	L1MC4|LIN	-25424	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr15-671	7.881798	-0.12859	0.842342	-0.15265	0.878672	0.981636	chr15	67111169	67111661	+	0	NA	intron (N	L1MB7|LIN	-14301	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr20-368	7.881798	-0.12859	0.842342	-0.15265	0.878672	0.981636	chr20	36838792	36839247	+	0	NA	intron (N	MIRc|SINE	20854	NM_199181	140710	Hs.460807	NM_080627	ENSG00000	SOGA1	C20orf117	suppresso	protein-coding
chr5-1771	7.881798	-0.12859	0.842342	-0.15265	0.878672	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSx|SIN	9721	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr1-3780	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr1	37803080	37806822	+	0	NA	intron (N	MIRb|SINE	-2839	NM_198446	127687	Hs.532749	NM_198446	ENSG00000	C1orf122	ALAESM	chromosom	protein-coding
chr12-927	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr12	92776803	92779582	+	0	NA	intron (N	intron (N	41703	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr14-214	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr14	21421564	21431672	+	0	NA	intron (N	MIRc|SINE	10657	NM_020920	57680	Hs.530698	NM_020920	ENSG00000	CHD8	AUTS18|HE	chromodom	protein-coding
chr19-583	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr19	58337505	58340297	+	0	NA	exon (NM_	exon (NM_	4213	NR_106864	1.02E+08		NR_106864	ENSG00000	MIR6806	hsa-mir-6	microRNA	ncRNA
chr6-9940	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr6	99404034	99407733	+	0	NA	intron (N	intron (N	-11688	NM_017421	51805	Hs.713623	NM_017421	ENSG00000	COQ3	DHHBMT|DH	coenzyme	protein-coding
chr9-1223	10.64742	0.109717	0.71939	0.152514	0.878781	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	4839	NM_001271	5742	Hs.201978	NM_000962	ENSG00000	PTGS1	COX1|COX3	prostagla	protein-coding
chr21-440	7.428199	-0.13188	0.865468	-0.15238	0.878886	0.981636	chr21	44075715	44075914	+	0	NA	intron (N	AluSp|SIN	1490	NM_001351	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr4-1451	6.607693	0.139174	0.913778	0.152306	0.878946	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	16938	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding
chr5-7286	11.11858	0.106983	0.702649	0.152257	0.878984	0.981636	chr5	72861085	72863634	+	0	NA	intron (N	AluJo|SIN	14220	NM_001364	3842	Hs.482497	NM_002270	ENSG00000	TNPO1	IPO2|KPNB	transport	protein-coding
chr9-9922	11.11858	0.106983	0.702649	0.152257	0.878984	0.981636	chr9	99227830	99231578	+	0	NA	intron (N	L1MA2|LIN	7422	NM_006808	10952	Hs.191887	NM_006808	ENSG00000	SEC61B	-	SEC61 tra	protein-coding
chr12-494	7.210134	0.136823	0.898752	0.152236	0.879001	0.981636	chr12	49462448	49462871	+	0	NA	intron (N	LTR1D|LTR	73485	NR_033267	1E+08	Hs.687044	NR_033267		LOC100335	-	FGFR1 onc	pseudo
chr1-2312	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	exon (NM_	exon (NM_	29735	NM_001316	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr11-749	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr11	74935319	74936824	+	0	NA	intron (N	intron (N	13020	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr14-241	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr14	24149535	24153843	+	0	NA	intron (N	intron (N	4191	NM_017999	55072	Hs.375217	NM_017999	ENSG00000	RNF31	HOIP|Paul	ring fing	protein-coding
chr16-699	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr16	69993155	69997259	+	0	NA	intron (N	intron (N	-35139	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr20-347	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr20	34748737	34749805	+	0	NA	intron (N	L1MC5|LIN	33133	NM_001242	23054	Hs.368971	NM_014071	ENSG00000	NCOA6	AIB3|ASC2	nuclear r	protein-coding
chr3-1543	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	10073	NM_020865	170506	Hs.446270	NM_020865	ENSG00000	DHX36	DDX36|G4R	DEAH-box	protein-coding
chr3-1809	8.871274	-0.11873	0.780144	-0.15219	0.879037	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	L1PB2|LIN	31175	NM_001190	131118	Hs.230601	NM_145261	ENSG00000	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr1-2225	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	AluSz|SIN	-6885	NR_110613	1.01E+08	Hs.553851	NR_110613	ENSG00000	TAF1A-AS1	-	TAF1A ant	ncRNA
chr12-894	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr12	894906	896549	+	0	NA	intron (N	AluSz|SIN	37349	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr12-275	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr12	27578951	27579684	+	0	NA	intron (N	L1ME3A|LI	55111	NM_001198	8496	Hs.172445	NM_003622	ENSG00000	PPFIBP1	L2|SGT2|h	PPFIA bin	protein-coding
chr15-425	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr15	42530561	42531434	+	0	NA	intron (N	intron (N	17796	NM_153260	255252	Hs.234681	NM_153260	ENSG00000	LRRC57	-	leucine r	protein-coding
chr21-372	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr21	37230645	37231974	+	0	NA	intron (N	intron (N	22806	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr3-1702	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	-64320	NM_005414	6498	Hs.536655	NM_005414	ENSG00000	SKIL	SNO|SnoA|	SKI like	protein-coding
chr7-3287	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr7	32870095	32871060	+	0	NA	exon (NM_	exon (NM_	21183	NM_015483	25948	Hs.372541	NM_015483	ENSG00000	KBTBD2	BKLHD1	kelch rep	protein-coding
chr7-7601	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr7	76018587	76018801	+	0	NA	intron (N	L1MB7|LIN	11830	NM_001317	51657	Hs.11615	NM_016086	ENSG00000	STYXL1	DUSP24|MK	serine/th	protein-coding
chr8-1936	8.160321	0.124612	0.81907	0.152138	0.879078	0.981636	chr8	19365391	19365781	+	0	NA	intron (N	intron (N	51610	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr19-359	8.111323	0.12458	0.819491	0.152022	0.87917	0.981636	chr19	35998248	35998458	+	0	NA	Intergeni	AluSq2|SI	3165	NM_001042	644096	Hs.356460	NM_001042	ENSG00000	SDHAF1	LYRM8	succinate	protein-coding
chr7-7661	8.111323	0.12458	0.819491	0.152022	0.87917	0.981636	chr7	76611083	76612030	+	0	NA	exon (NM_	exon (NM_	15747	NM_152992	22932	Hs.488877	NM_012230	ENSG00000	POMZP3	POM-ZP3|P	POM121 ar	protein-coding
chr2-3243	9.614954	0.11443	0.752785	0.152008	0.87918	0.981636	chr2	32431315	32432538	+	0	NA	intron (N	L2a|LINE|	74898	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr20-233	9.614954	0.11443	0.752785	0.152008	0.87918	0.981636	chr20	23374489	23376522	+	0	NA	non-codir	non-codir	11142	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTB	GDNF indu	protein-coding
chr3-1255	9.614954	0.11443	0.752785	0.152008	0.87918	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSp|SIN	32716	NM_022776	114885	Hs.477440	NM_022776	ENSG00000	OSBPL11	ORP-11|OR	oxysterol	protein-coding
chr1-1919	13.09338	0.099283	0.653153	0.152006	0.879182	0.981636	chr1	19190807	19194739	+	0	NA	intron (N	L2a|LINE|	17493	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr17-501	13.61354	0.097477	0.641386	0.151978	0.879204	0.981636	chr17	50187779	50201460	+	0	NA	exon (NM_	exon (NM_	7020	NM_000088	1277	Hs.172928	NM_000088	ENSG00000	COL1A1	EDSARTH1|	collagen	protein-coding
chr1-3756	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	37565574	37570181	+	0	NA	intron (N	intron (N	10937	NM_003462	7802	Hs.406050	NM_003462	ENSG00000	DNALI1	P28|dJ423	dynein ax	protein-coding
chr1-3941	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	39419313	39424819	+	0	NA	intron (N	AluYj4|SI	12993	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-4634	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	46346736	46347455	+	0	NA	intron (N	intron (N	5917	NM_001256	387338	Hs.163424	NM_199044	ENSG00000	NSUN4	SHTAP	NOP2/Sun	protein-coding
chr1-5181	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	51814634	51815641	+	0	NA	intron (N	intron (N	21265	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-6819	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	68190655	68192651	+	0	NA	intron (N	L2c|LINE|	-8043	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-7757	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr1	77575145	77576833	+	0	NA	intron (N	intron (N	106669	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr10-285	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr10	28583862	28585635	+	0	NA	intron (N	intron (N	51630	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr10-956	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr10	95639891	95643197	+	0	NA	intron (N	AluJr4|SI	15167	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr11-371	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr11	3710317	3717128	+	0	NA	intron (N	intron (N	-42338	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-183	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr11	18333029	18337578	+	0	NA	intron (N	L1MC5a|LI	12736	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr11-111	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	17449	NM_015191	23235	Hs.269128	NM_015191	ENSG00000	SIK2	LOH11CR1I	salt indu	protein-coding
chr12-476	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr12	47678038	47679664	+	0	NA	intron (N	L1PA6|LIN	27179	NM_024604	79657	Hs.437855	NM_024604	ENSG00000	RPAP3	Tah1|hSpa	RNA polym	protein-coding
chr12-641	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr12	64142284	64144094	+	0	NA	3’ UTR (N	3’ UTR (N	79107	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-762	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr12	76293875	76297068	+	0	NA	intron (N	HERVH-int	35588	NR_146531	1.05E+08		NR_146531		LNCOG	LINC02407	lncRNA os	ncRNA
chr13-110	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	76780	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-734	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr14	73406334	73410061	+	0	NA	intron (N	AluY|SINE	50383	NM_001005	8650	Hs.525443	NM_003744	ENSG00000	NUMB	C14orf41|	NUMB endo	protein-coding
chr14-103	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	28459	NM_001130	3831	Hs.20107	NM_005552	ENSG00000	KLC1	KLC|KNS2|	kinesin l	protein-coding
chr15-724	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr15	72477855	72480748	+	0	NA	intron (N	intron (N	4971	NM_005744	25820	Hs.268787	NM_005744	ENSG00000	ARIH1	ARI|HARI|	ariadne R	protein-coding
chr15-904	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr15	90480840	90485579	+	0	NA	intron (N	intron (N	-46714	NM_022769	64784	Hs.567572	NM_022769	ENSG00000	CRTC3	TORC-3|TO	CREB regu	protein-coding
chr16-881	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr16	8819984	8821604	+	0	NA	intron (N	intron (N	22955	NM_000303	5373	Hs.625732	NM_000303	ENSG00000	PMM2	CDG1|CDG1	phosphoma	protein-coding
chr16-214	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr16	21482001	21485170	+	0	NA	intron (N	intron (N	-17941	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-691	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr16	69150486	69158539	+	0	NA	intron (N	intron (N	21863	NM_032830	84916	Hs.461113	NM_032830	ENSG00000	UTP4	CIRH1A|CI	UTP4 smal	protein-coding
chr16-744	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr16	74457825	74458508	+	0	NA	intron (N	intron (N	-36696	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr17-134	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	1349024	1358198	+	0	NA	intron (N	AluSx1|SI	46611	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|H	tyrosine	protein-coding
chr17-429	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	42990934	42993885	+	0	NA	3’ UTR (N	3’ UTR (N	-5864	NM_001349	6155	Hs.514196	NM_000988	ENSG00000	RPL27	DBA16|L27	ribosomal	protein-coding
chr17-440	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	44057642	44063606	+	0	NA	intron (N	intron (N	6047	NM_001371445								
chr17-452	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	45267369	45275108	+	0	NA	intron (N	intron (N	-9144	NM_152343	124783	Hs.412719	NM_152343	ENSG00000	SPATA32	AEP2|C17o	spermatog	protein-coding
chr17-475	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	47590474	47598280	+	0	NA	intron (N	Tigger3b|	-55542	NM_002265	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr17-488	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	48859226	48861380	+	0	NA	intron (N	intron (N	29268	NM_001261	10241	Hs.514920	NM_005831	ENSG00000	CALCOCO2	NDP52	calcium b	protein-coding
chr17-600	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	60046218	60050906	+	0	NA	intron (N	intron (N	-5457	NR_039890	1.01E+08		NR_039890	ENSG00000	MIR4737	-	microRNA	ncRNA
chr17-742	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr17	74208012	74210063	+	0	NA	TTS (NR_0	TTS (NR_0	4284	NR_026914	85001	Hs.706954	NM_032915	ENSG00000	MGC16275	-	uncharact	ncRNA
chr18-266	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr18	2666661	2675738	+	0	NA	intron (N	AluSp|SIN	15312	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr18-232	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr18	23217805	23218617	+	0	NA	intron (N	intron (N	62386	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAB	Cdk5 and	protein-coding
chr19-479	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr19	4793320	4794911	+	0	NA	3’ UTR (N	3’ UTR (N	2381	NM_018708	55527	Hs.515082	NM_018708	ENSG00000	FEM1A	EPRAP	fem-1 hom	protein-coding
chr2-3339	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	33396666	33399379	+	0	NA	intron (N	intron (N	-20494	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-5393	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	53935359	53935945	+	0	NA	intron (N	intron (N	35341	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr2-5452	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	54527006	54530034	+	0	NA	promoter-	promoter-	-702	NR_002229	56969	Hs.657366	NM_020217		RPL23AP32	RPL23A_9_	ribosomal	pseudo
chr2-6942	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	69425599	69429207	+	0	NA	intron (N	AluSg|SIN	10032	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-1709	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSq2|SI	29741	NM_015530	26003	Hs.431317	NM_015530	ENSG00000	GORASP2	GOLPH6|GR	golgi rea	protein-coding
chr2-1710	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	MLT1D-int	30912	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr20-509	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr20	5098053	5100748	+	0	NA	TTS (NM_0	TTS (NM_0	13676	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr20-213	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr20	21368556	21369587	+	0	NA	intron (N	L1MA3|LIN	28455	NM_033176	644524		NM_033176	ENSG00000	NKX2-4	NKX2.4|NK	NK2 homeo	protein-coding
chr20-385	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr20	38557895	38560959	+	0	NA	intron (N	AluSx1|SI	-21770	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr20-628	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr20	62888879	62896796	+	0	NA	exon (NM_	exon (NM_	-9934	NR_145839	1.1E+08		NR_145839		SNORA117	-	small nuc	snoRNA
chr22-205	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr22	20553884	20557352	+	0	NA	intron (N	intron (N	47571	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr22-416	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr22	41604797	41607362	+	0	NA	intron (N	L2b|LINE|	14964	NM_015704	27351	Hs.570455	NM_015704	ENSG00000	DESI1	D15Wsu75e	desumoyla	protein-coding
chr3-3698	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	36983795	36988326	+	0	NA	3’ UTR (N	3’ UTR (N	7071	NM_014805	9852	Hs.28020	NM_014805	ENSG00000	EPM2AIP1	-	EPM2A int	protein-coding
chr3-4446	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	44461069	44462607	+	0	NA	intron (N	HUERS-P1-	15832	NM_001369	353274	Hs.250481	NM_181489	ENSG00000	ZNF445	ZKSCAN15|	zinc fing	protein-coding
chr3-4892	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	48922395	48926559	+	0	NA	intron (N	AluJr|SIN	-5092	NR_161301	646450	Hs.720727	NM_001123	ENSG00000	ARIH2OS	C3orf71	ariadne R	ncRNA
chr3-4935	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	49359800	49369540	+	0	NA	intron (N	(AAAT)n|S	-6070	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHP	glutathio	protein-coding
chr3-5813	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	58130465	58139826	+	0	NA	intron (N	AluJb|SIN	35490	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1137	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	41208	NM_001690	523	Hs.477155	NM_001690	ENSG00000	ATP6V1A	ARCL2D|AT	ATPase H+	protein-coding
chr3-1226	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	6112	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr3-1460	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	1.46E+08	1.46E+08	+	0	NA	intron (N	L1PA16|LI	-7247	NR_146297	1.1E+08		NR_146297	ENSG00000	LNCSRLR	lncRNA-SR	lncRNA sc	ncRNA
chr3-1701	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	exon (NM_	exon (NM_	32594	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr4-1218	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-14663	NM_001237	890	Hs.58974	NM_001237	ENSG00000	CCNA2	CCN1|CCNA	cyclin A2	protein-coding
chr4-1230	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	MER70A|LT	167885	NM_001345	166378	Hs.709648	NM_145207	ENSG00000	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr5-3704	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr5	37044666	37045227	+	0	NA	intron (N	intron (N	168177	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-7672	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr5	76726076	76730740	+	0	NA	intron (N	L1MA8|LIN	12282	NM_001992	2149	Hs.482562	NM_001992	ENSG00000	F2R	CF2R|HTR|	coagulati	protein-coding
chr5-1093	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	29597	NM_014819	9867	Hs.483036	NM_014819	ENSG00000	PJA2	Neurodap1	praja rin	protein-coding
chr5-1350	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	-4128	NR_161235	1.01E+08		NR_161235		C5orf66	-	chromosom	ncRNA
chr5-1406	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	L1ME3G|LI	2096	NR_037428	1.01E+08		NR_037428	ENSG00000	MIR3655	-	microRNA	ncRNA
chr6-3476	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr6	34762482	34770577	+	0	NA	intron (N	intron (N	9024	NM_003093	6631	Hs.1063	NM_003093	ENSG00000	SNRPC	U1C|Yhc1	small nuc	protein-coding
chr6-1437	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L1PA7|LIN	-43300	NM_001329	84946	Hs.185675	NM_032860	ENSG00000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr6-1703	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	63141	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr7-1732	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	17328639	17331963	+	0	NA	intron (N	intron (N	31649	NM_001621	196	Hs.171189	NM_001621	ENSG00000	AHR	RP85|bHLH	aryl hydr	protein-coding
chr7-7466	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	74664347	74666856	+	0	NA	intron (N	MIR|SINE|	7883	NM_001518	2969	Hs.647041	NM_001518	ENSG00000	GTF2I	BAP135|BT	general t	protein-coding
chr7-1003	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSp|SIN	-3844	NR_103728	1.02E+08	Hs.521075	NR_103728		PVRIG2P	-	poliovir	pseudo
chr7-1051	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	101849	NM_001350	6733	Hs.285197	NM_182691	ENSG00000	SRPK2	SFRSK2	SRSF prot	protein-coding
chr7-1168	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	30397	NM_006136	830	Hs.446123	NM_006136	ENSG00000	CAPZA2	CAPPA2|CA	capping a	protein-coding
chr7-1521	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	91577	NM_001371474								
chr8-1245	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L2|LINE|L	9576	NM_005005	4715	Hs.15977	NM_005005	ENSG00000	NDUFB9	B22|CI-B2	NADH:ubiq	protein-coding
chr9-3749	8.417675	-0.1212	0.797664	-0.15194	0.879235	0.981636	chr9	37492154	37494623	+	0	NA	intron (N	MIRc|SINE	7440	NM_022490	64425	Hs.591087	NM_022490	ENSG00000	POLR1E	PAF53|PRA	RNA polym	protein-coding
chr3-1490	10.59842	0.109646	0.721675	0.151933	0.87924	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	AluJo|SIN	-18420	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG00000	HLTF-AS1	-	HLTF anti	ncRNA
chr10-890	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr10	89003063	89006012	+	0	NA	intron (N	intron (N	-11562	NR_028371	1E+08	Hs.244139	NR_028371		FAS-AS1	FAS-AS|FA	FAS antis	ncRNA
chr10-110	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-93542	NM_130439	4601	Hs.602078	NM_005962	ENSG00000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr12-111	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-18314	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr14-547	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr14	54750998	54753813	+	0	NA	intron (N	intron (N	-2428	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr15-654	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr15	65494252	65498476	+	0	NA	intron (N	intron (N	20910	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr16-301	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr16	30190733	30192036	+	0	NA	Intergeni	AluSp|SIN	2163	NR_135304	552900	Hs.444600	NM_001031	ENSG00000	BOLA2	BOLA2A|BO	bolA fami	protein-coding

chr17-633	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr17	63376843	63377650	+	0	NA	intron (N	THE1D-int	63021	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr22-287	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr22	28780953	28783645	+	0	NA	intron (N	AluSx1|SI	9162	NM_001284	150275	Hs.406460	NM_173510	ENSG00000	CCDC117	dJ366L4.1	coiled-cc	protein-coding
chr3-9783	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr3	9783689	9786029	+	0	NA	intron (N	AluSq2|SI	-7636	NM_001024	10093	Hs.323342	NM_005718	ENSG00000	ARPC4	ARC20|P20	actin rel	protein-coding
chr3-6409	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr3	64098905	64100693	+	0	NA	exon (NM_	exon (NM_	-3671	NR_046701	1.01E+08	Hs.668874	NR_046701		PRICKLE2-	-	PRICKLE2	ncRNA
chr5-1798	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L1M5|LINE	10253	NM_198868	23061	Hs.155829	NM_015043	ENSG00000	TBC1D9B	GRAMD9B	TBC1 doma	protein-coding
chr9-3391	8.631485	0.120298	0.792199	0.151853	0.879303	0.981636	chr9	33912458	33914028	+	0	NA	intron (N	AluSx1|SI	21121	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitir	protein-coding
chr6-1509	9.086934	0.119442	0.788376	0.151504	0.879578	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	MLT1J|LTR	-12676	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr11-129	7.722438	0.133053	0.878345	0.151481	0.879596	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-6979	NM_001143	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr2-2011	10.13512	0.11124	0.734839	0.15138	0.879676	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	non-codin	non-codin	-7059	NR_040030	65072	Hs.664613	NR_040030	ENSG00000	CFLAR-AS1	ALS2CR10	CFLAR ant	ncRNA
chr11-124	10.17626	0.112662	0.744307	0.151365	0.879688	0.981636	chr11	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	29905	NM_001130	4013	Hs.152944	NM_014622	ENSG00000	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr3-9788	8.079892	0.131617	0.869634	0.151348	0.879701	0.981636	chr3	97887249	97887467	+	0	NA	intron (N	intron (N	65347	NM_153605	131544	Hs.733378	NM_153605	ENSG00000	CRYBG3	DKFZp6670	crystalli	protein-coding
chr1-2056	11.63875	0.104514	0.69069	0.151319	0.879724	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	16681	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr2-2164	11.63875	0.104514	0.69069	0.151319	0.879724	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	exon (NM_	exon (NM_	2243	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr1-2580	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr1	25808606	25810399	+	0	NA	intron (N	L2b|LINE|	9309	NM_020451	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr1-1553	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-27970	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr11-948	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr11	94839185	94839732	+	0	NA	intron (N	MIRb|SINE	71102	NM_001301	154810	Hs.503594	NM_130847	ENSG00000	AMOTL1	JEAP	angiomoti	protein-coding
chr12-120	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluY|SINE	9426	NR_033684	283459	Hs.706889	NM_176818	ENSG00000	GATC	15E1.2	glutamyl-	protein-coding
chr13-951	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr13	95118562	95119223	+	0	NA	intron (N	L3|LINE|C	-91452	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-902	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr15	90230461	90231454	+	0	NA	exon (NM_	exon (NM_	2984	NM_006384	10519	Hs.715556	NM_006384	ENSG00000	CIB1	CIB|CIBP|	calcium a	protein-coding
chr18-107	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr18	10726406	10726646	+	0	NA	intron (N	CpG	33123	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr2-1658	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr2	1658436	1659227	+	0	NA	intron (N	intron (N	85684	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-1481	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	AluY|SINE	-157484	NM_181742	5000	Hs.558364	NM_002552	ENSG00000	ORC4	ORC4L|ORC	origin re	protein-coding
chr6-1816	7.648017	0.127621	0.843434	0.151311	0.87973	0.981636	chr6	18168255	18168776	+	0	NA	intron (N	L1MB5|LIN	13093	NM_001364	221656	Hs.709336	NM_153042	ENSG00000	KDM1B	AOF1|C6or	lysine de	protein-coding
chr12-760	21.80955	-0.07945	0.525195	-0.15127	0.879763	0.981636	chr12	76027992	76031108	+	0	NA	3’ UTR (N	3’ UTR (N	2226	NM_007350	22822	Hs.602085	NM_007350	ENSG00000	PHLDA1	DT1P1B11|	pleckstri	protein-coding
chr13-953	9.37387	-0.11618	0.76878	-0.15112	0.879882	0.981636	chr13	95305901	95306789	+	0	NA	Intergeni	L1PA4|LIN	-4894	NM_001105	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MC	ATP bindi	protein-coding
chr14-544	9.094792	0.117889	0.780358	0.15107	0.87992	0.981636	chr14	54482287	54483637	+	0	NA	intron (N	intron (N	6018	NM_004124	2764	Hs.151413	NM_004124	ENSG00000	GMFB	GMF	glia matu	protein-coding
chr21-626	9.094792	0.117889	0.780358	0.15107	0.87992	0.981636	chr21	6262248	6262986	+	0	NA	intron (N	intron (N	4719	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr18-993	7.469339	-0.12945	0.857254	-0.151	0.879974	0.981636	chr18	9931896	9934228	+	0	NA	intron (N	AluSg7|SI	19046	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP assc	protein-coding
chr1-6483	9.663951	0.114418	0.75868	0.150812	0.880124	0.981636	chr1	64833507	64834344	+	0	NA	TTS (NM_0	TTS (NM_0	88850	NM_018211	55225	Hs.591443	NM_018211	ENSG00000	RAVER2	-	ribonucle	protein-coding
chr16-511	9.663951	0.114418	0.75868	0.150812	0.880124	0.981636	chr16	51139946	51140458	+	0	NA	exon (NM_	exon (NM_	10395	NM_001127	6299	Hs.135787	NM_002968	ENSG00000	SALL1	HEL-S-89|	spalt lik	protein-coding
chr9-1337	9.663951	0.114418	0.75868	0.150812	0.880124	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-27923	NM_007101	1757	Hs.198003	NM_007101	ENSG00000	SARDH	BPR-2|DMG	sarcosine	protein-coding
chr10-890	10.60628	0.108287	0.71938	0.150528	0.880348	0.981636	chr10	89013957	89014861	+	0	NA	non-codin	non-codin	-21434	NR_028371	1E+08	Hs.244139	NR_028371		FAS-AS1	FAS-AS|FA	FAS antis	ncRNA
chr15-762	7.689157	0.129296	0.860377	0.150278	0.880545	0.981636	chr15	76211153	76212675	+	0	NA	Intergeni	Intergeni	-30428	NR_120360	1.02E+08	Hs.631721	NR_120360	ENSG00000	LOC101929	-	uncharact	ncRNA
chr19-488	7.689157	0.129296	0.860377	0.150278	0.880545	0.981636	chr19	48860747	48861269	+	0	NA	intron (N	AluSx|SIN	7609	NM_001161	57664	Hs.9469	NM_020904	ENSG00000	PLEKHA4	PEPP1	pleckstri	protein-coding
chr19-189	8.920271	-0.11823	0.786781	-0.15027	0.880551	0.981636	chr19	18936902	18938817	+	0	NA	intron (N	intron (N	1190	NM_001145	9454	Hs.720208	NM_004838	ENSG00000	HOMER3	HOMER-3|V	homer sca	protein-coding
chr3-1888	8.920271	-0.11823	0.786781	-0.15027	0.880551	0.981636	chr3	1.89E+08	1.89E+08	+	0	NA	3’ UTR (N	3’ UTR (N	72744	NR_046873	1.01E+08	Hs.616287	NR_046873	ENSG00000	TPRG1-AS1	-	TPRG1 ant	ncRNA
chr4-5404	8.920271	-0.11823	0.786781	-0.15027	0.880551	0.981636	chr4	54043743	54044201	+	0	NA	intron (N	L1PA4|LIN	20633	NM_012110	26511	Hs.335393	NM_012110	ENSG00000	CHIC2	BTL	cysteine	protein-coding
chr7-1472	8.935987	-0.1216	0.809313	-0.15025	0.880567	0.981636	chr7	1472925	1473362	+	0	NA	exon (NM_	exon (NM_	-13673	NM_182924	79778	Hs.376617	NM_024723	ENSG00000	MICALL2	JRAB|MICA	MICAL lik	protein-coding
chr19-269	21.11413	0.081104	0.539943	0.150209	0.8806	0.981636	chr19	26924459	26925713	+	0	NA	Intergeni	ALR/Alpha	-868345	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1558	8.119181	0.122814	0.817772	0.150182	0.880621	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJr|SIN	-23073	NR_132767	1.07E+08		NR_132767		SCARNA26E	-	small Caj	ncRNA
chr11-647	8.119181	0.122814	0.817772	0.150182	0.880621	0.981636	chr11	6476732	6478426	+	0	NA	intron (N	intron (N	-3120	NM_001248	10612	Hs.591992	NM_006458	ENSG00000	TRIM3	BERP|HAC1	tripartit	protein-coding
chr2-1178	8.119181	0.122814	0.817772	0.150182	0.880621	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	3243	NM_006773	8886	Hs.744922	NM_006773	ENSG00000	DDX18	Has1|MrDb	DEAD-box	protein-coding
chr5-1771	8.119181	0.122814	0.817772	0.150182	0.880621	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	15668	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr18-216	7.591162	0.129265	0.86107	0.150122	0.880668	0.981636	chr18	21629171	21630289	+	0	NA	3’ UTR (N	3’ UTR (N	17416	NM_006938	6632	Hs.464734	NM_006938	ENSG00000	SNRPD1	HsT2456|S	small nuc	protein-coding
chr10-350	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr10	35026857	35027352	+	0	NA	intron (N	intron (N	47179	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr11-749	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr11	74909412	74909936	+	0	NA	intron (N	intron (N	39417	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr11-754	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr11	75410494	75410987	+	0	NA	intron (N	SVA_E|Ret	6319	NR_000025	114599	Hs.689080	NR_000025	ENSG00000	SNORD15B	RNU15B|U1	small nuc	snoRNA
chr22-214	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr22	21471164	21471846	+	0	NA	Intergeni	AluJb|SIN	4335	NM_001207	645426	Hs.376511	NM_001207	ENSG00000	TMEM191C	-	transmemb	protein-coding
chr7-4475	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr7	44757221	44757957	+	0	NA	intron (N	intron (N	1401	NM_174929	83637	Hs.77978	NM_031449	ENSG00000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr7-1330	7.135713	0.131017	0.872827	0.150107	0.880681	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	15178	NM_017812	54927	Hs.655010	NM_017812	ENSG00000	CHCHD3	MICOS19|M	coiled-cc	protein-coding
chr1-2051	8.20146	0.126188	0.840706	0.150098	0.880688	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	L2c|LINE|	44265	NM_199462	25778	Hs.6874	NM_015375	ENSG00000	DSTYK	CAKUT1|Du	dual seri	protein-coding
chr6-1164	8.20146	0.126188	0.840706	0.150098	0.880688	0.981636	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	-34141	NM_001276	441168	Hs.381220	NM_001010	ENSG00000	CALHM6	C6orf187|	calcium h	protein-coding
chr10-133	9.151647	0.116377	0.775674	0.150033	0.880739	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	CpG	9130	NM_138384	92170	Hs.501578	NM_138384	ENSG00000	MTG1	GTP|GTPBP	mitochond	protein-coding
chr18-123	9.151647	0.116377	0.775674	0.150033	0.880739	0.981636	chr18	12347373	12348236	+	0	NA	intron (N	AluSg|SIN	29472	NM_006796	10939	Hs.726355	NM_006796	ENSG00000	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr4-3983	9.151647	0.116377	0.775674	0.150033	0.880739	0.981636	chr4	39837717	39839412	+	0	NA	intron (N	AluJb|SIN	139347	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr9-9417	9.151647	0.116377	0.775674	0.150033	0.880739	0.981636	chr9	94174182	94174413	+	0	NA	Intergeni	MER21B|LT	-1660	NR_029476	406881		NR_029476	ENSG00000	MIRLET7A1	LET7A1|MI	microRNA	ncRNA
chr12-480	6.664549	0.136944	0.912794	0.150027	0.880743	0.981636	chr12	48046148	48046963	+	0	NA	intron (N	intron (N	-42079	NM_033150	1280	Hs.408182	NM_001844	ENSG00000	COL2A1	ANFH|AOM|	collagen	protein-coding
chr11-116	7.964077	-0.12392	0.826247	-0.14997	0.880785	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	FLAM_A|SI	-111626	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr2-1350	7.964077	-0.12392	0.826247	-0.14997	0.880785	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	MER83C|LT	19329	NM_012233	22930	Hs.306327	NM_012233	ENSG00000	RAB3GAP1	P130|RAB3	RAB3 GTPa	protein-coding
chr15-446	9.10265	0.116334	0.775755	0.149962	0.880795	0.981636	chr15	44619819	44621083	+	0	NA	intron (N	intron (N	43211	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr11-763	9.622812	0.112915	0.752981	0.149958	0.880798	0.981636	chr11	763553	766266	+	0	NA	3’ UTR (N	3’ UTR (N	12578	NM_001318	347862	Hs.218362	NM_182612	ENSG00000	GATD1	PDDC1	glutamine	protein-coding
chr8-1981	9.622812	0.112915	0.752981	0.149958	0.880798	0.981636	chr8	19819800	19822564	+	0	NA	intron (N	MLT1C|LTR	3766	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integrato	protein-coding
chr9-2720	9.622812	0.112915	0.752981	0.149958	0.880798	0.981636	chr9	27202697	27203906	+	0	NA	intron (N	intron (N	79492	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr4-1222	9.366012	-0.11462	0.764451	-0.14994	0.880813	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA11|LI	-84809	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr6-1006	9.366012	-0.11462	0.764451	-0.14994	0.880813	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA11|LI	-158359	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr8-4233	9.366012	-0.11462	0.764451	-0.14994	0.880813	0.981636	chr8	42330607	42331337	+	0	NA	exon (NM_	exon (NM_	-7522	NM_002690	5423	Hs.654484	NM_002690	ENSG00000	POLB	-	DNA polym	protein-coding
chr5-1353	6.900179	-0.14221	0.948472	-0.14994	0.880813	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	60224	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr12-571	8.368678	-0.12176	0.813218	-0.14973	0.880979	0.981636	chr12	57103914	57104316	+	0	NA	intron (N	MIR|SINE|	6174	NM_001178	6778	Hs.524518	NM_003153	ENSG00000	STAT6	D12S1644|	signal tr	protein-coding
chr5-6616	8.368678	-0.12176	0.813218	-0.14973	0.880979	0.981636	chr5	66161255	66164092	+	0	NA	intron (N	intron (N	17838	NM_139168	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr11-656	8.863416	-0.1172	0.782916	-0.14969	0.881006	0.981636	chr11	65653914	65655522	+	0	NA	exon (NM_	exon (NM_	5526	NR_039709	1.01E+08		NR_039709	ENSG00000	MIR4489	mir-4489	microRNA	ncRNA
chr12-111	8.863416	-0.1172	0.782916	-0.14969	0.881006	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	AluY|SINE	63040	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr15-558	8.863416	-0.1172	0.782916	-0.14969	0.881006	0.981636	chr15	55832153	55833369	+	0	NA	intron (N	intron (N	84370	NM_001284	4734	Hs.1565	NM_006154	ENSG00000	NEDD4	NEDD4-1|R	NEDD4 E3	protein-coding
chr3-3386	8.863416	-0.1172	0.782916	-0.14969	0.881006	0.981636	chr3	33863282	33864559	+	0	NA	intron (N	intron (N	65290	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr5-1393	8.863416	-0.1172	0.782916	-0.14969	0.881006	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	L1M4|LINE	11696	NM_001033	51247	Hs.396644	NM_016480	ENSG00000	PAIP2	PAIP-2|PA	poly(A) b	protein-coding
chr1-6812	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr1	68126793	68127311	+	0	NA	intron (N	AluJr|SIN	56558	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr10-136	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr10	13646656	13647046	+	0	NA	3’ UTR (N	3’ UTR (N	59886	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr15-767	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr15	76785773	76786129	+	0	NA	intron (N	L1PA6|LIN	75993	NM_001145	49855	Hs.458986	NM_020843	ENSG00000	SCAPER	IDDRP|MST	S-phase c	protein-coding
chr17-289	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr17	28942709	28944548	+	0	NA	intron (N	AluSx1|SI	7890	NM_001033	57649	Hs.444173	NM_020889	ENSG00000	PHF12	PF1	PHD finge	protein-coding
chr20-490	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr20	49017914	49019349	+	0	NA	intron (N	intron (N	27425	NR_110625	1.03E+08	Hs.209000	NR_110624	ENSG00000	CSE1L-AS1	-	CSE1L ant	ncRNA
chr6-1473	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-141707	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr7-7655	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr7	76551205	76553660	+	0	NA	intron (N	intron (N	3091	NR_029411	1E+08	Hs.712837	NR_029411	ENSG00000	LOC100133	-	uncharact	ncRNA
chr7-1207	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	MLT1J1|LT	60902	NM_012338	23554	Hs.16529	NM_012338	ENSG00000	TSPAN12	EVR5|NET-	tetraspar	protein-coding
chr9-3566	7.915079	-0.1245	0.831824	-0.14967	0.881024	0.981636	chr9	35660404	35660921	+	0	NA	3’ UTR (N	3’ UTR (N	2370	NM_174923	203260	Hs.745107	NM_174923	ENSG00000	CCDC107	PSEC0222	coiled-cc	protein-coding
chr1-8518	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr1	85182129	85182599	+	0	NA	exon (NM_	exon (NM_	18652	NM_032184	84144	Hs.533853	NM_032184	ENSG00000	SYDE2	-	synapse d	protein-coding
chr10-689	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr10	68909631	68911790	+	0	NA	intron (N	intron (N	9395	NM_024045	79009	Hs.522984	NM_024045	ENSG00000	DDX50	GU2|GUB|R	DExD-box	protein-coding
chr10-731	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr10	73143261	73149263	+	0	NA	intron (N	intron (N	-20055	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr10-965	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr10	96558828	96562010	+	0	NA	intron (N	intron (N	26593	NM_020123	56889	Hs.500674	NM_020123	ENSG00000	TM9SF3	EP70-P-is	transmemb	protein-coding
chr11-114	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	5973	NM_001286	10179	Hs.7527	NM_016090	ENSG00000	RBM7	-	RNA bindi	protein-coding
chr12-588	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr12	58878201	58879959	+	0	NA	exon (NM_	exon (NM_	40466	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr12-797	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr12	79787603	79788778	+	0	NA	intron (N	intron (N	-97093	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr12-797	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr12	79792891	79798426	+	0	NA	exon (NM_	exon (NM_	-104561	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr14-230	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr14	23072586	23079327	+	0	NA	intron (N	AluSp|SIN	-4387	NM_001164	22985	Hs.124490	NM_014977	ENSG00000	ACIN1	ACINUS|AC	apoptotic	protein-coding
chr14-731	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr14	73117242	73120098	+	0	NA	intron (N	intron (N	-17837	NM_000021	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr15-410	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr15	41067657	41075103	+	0	NA	intron (N	L1PA5|LIN	44866	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-422	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr15	42236189	42238336	+	0	NA	intron (N	intron (N	-28958	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr16-374	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr16	3740250	3741041	+	0	NA	intron (N	intron (N	-23121	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-374	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr16	3747191	3749367	+	0	NA	intron (N	AluSg7|SI	-30755	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr17-848	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr17	8483855	8485018	+	0	NA	intron (N	intron (N	48552	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-159	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr17	15974924	15975418	+	0	NA	exon (NM_	exon (NM_	24533	NM_001042	125150	Hs.593985	NM_001042	ENSG00000	ZSWIM7	SWS1	zinc fing	protein-coding
chr18-270	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr18	2700728	2702551	+	0	NA	intron (N	intron (N	45752	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr19-342	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr19	34220922	34226376	+	0	NA	intron (N	intron (N	-30905	NM_014686	9710	Hs.330073	NM_014686	ENSG00000	KIAA0355	-	KIAA0355	protein-coding
chr2-3935	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr2	39354827	39355977	+	0	NA	intron (N	AluJb|SIN	81883	NM_003618	8491	Hs.655750	NM_003618	ENSG00000	MAP4K3	GLK|MAPKK	mitogen-a	protein-coding
chr2-1602	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-21114	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr2-1961	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	exon (NM_	exon (NM_	15076	NM_004226	9262	Hs.88297	NM_004226	ENSG00000	STK17B	DRAK2	serine/th	protein-coding
chr2-2082	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	L1MC1|LIN	28744	NM_001178	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoir	protein-coding
chr2-2161	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	AluSz|SIN	32503	NM_021141	7520	Hs.388739	NM_021141	ENSG00000	XRCC5	KARP-1|KA	X-ray rep	protein-coding
chr20-563	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr20	56395710	56405618	+	0	NA	intron (N	intron (N	8019	NM_001324	1477	Hs.172865	NM_001324	ENSG00000	CSTF1	CstF-50|C	cleavage	protein-coding
chr22-223	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr22	22309788	22311826	+	0	NA	intron (N	L1MA9|LIN	12709	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr22-407	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr22	40771056	40774136	+	0	NA	intron (N	AluJo|SIN	41362	NR_039923	1.01E+08		NR_039923	ENSG00000	MIR4766	mir-4766	microRNA	ncRNA
chr3-1856	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-59378	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr5-7146	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr5	71463851	71468994	+	0	NA	intron (N	intron (N	10771	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr5-1461	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	28778	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr6-4728	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr6	47283921	47284295	+	0	NA	exon (NM_	exon (NM_	25797	NM_014452	27242	Hs.443577	NM_014452	ENSG00000	TNFRSF21	BM-018|CD	TNF recep	protein-coding
chr7-2995	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr7	29951252	29953484	+	0	NA	intron (N	intron (N	37433	NM_014766	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr8-9487	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr8	94872307	94874528	+	0	NA	exon (NM_	exon (NM_	21837	NM_057749	9134	Hs.521693	NM_004702	ENSG00000	CCNE2	CYCE2	cyclin E2	protein-coding
chr8-1022	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSc|SIN	20443	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-9203	8.409817	-0.11956	0.799081	-0.14963	0.881059	0.981636	chr9	92032234	92033120	+	0	NA	intron (N	AluY|SINE	-82449	NM_001318	4920	Hs.98255	NM_004560	ENSG00000	ROR2	BDB|BDB1|	receptor	protein-coding
chr11-619	15.08389	0.091665	0.612881	0.149565	0.881108	0.981636	chr11	61963839	61967191	+	0	NA	TTS (NM_0	TTS (NM_0	2119	NM_002032	2495	Hs.524910	NM_002032	ENSG00000	FTH1	FHC|FTH|F	ferritin	protein-coding
chr1-3609	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr1	36091842	36094111	+	0	NA	intron (N	MIR|SINE|	4084	NM_017825	54936	Hs.18021	NM_017825	ENSG00000	ADPRHL2	ARH3|CONE	ADP-ribos	protein-coding
chr1-4028	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr1	40286146	40288388	+	0	NA	intron (N	AluJb|SIN	29031	NM_005857	10269	Hs.132642	NM_005857	ENSG00000	ZMPSTE24	FACE-1|FA	zinc meta	protein-coding
chr1-5420	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr1	54204046	54207849	+	0	NA	intron (N	L2c|LINE|	5780	NM_016491	51253	Hs.584908	NM_016491	ENSG00000	MRPL37	L2mt|L37m	mitochond	protein-coding
chr1-1207	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	MLT2A1|LT	-18291	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr12-117	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	L1MEf|LIN	-28050	NR_103809	1.01E+08	Hs.657861	NR_103809	ENSG00000	LOC100506	-	uncharact	ncRNA

chr15-429	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr15	42974489	42977041	+	0	NA	intron (N	AluJr|SIN	-54987	NM_17350	146057	Hs.646511	NM_17350	ENSG0000	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr17-210	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr17	21024863	21028581	+	0	NA	intron (N	AluJo|SIN	16289	NM_01527	23326	Hs.46249	NM_01527	ENSG0000	USP22	USP3L	ubiquitir	protein-coding
chr17-375	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr17	37535177	37535935	+	0	NA	intron (N	intron (N	45665	NM_00702	11072	Hs.91448	NM_00702	ENSG0000	DUSP14	MKP-L|MKF	dual spec	protein-coding
chr18-260	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr18	26028713	26030381	+	0	NA	intron (N	L2a|LINE|	61066	NM_001007	6760	Hs.129261	NM_005637	ENSG0000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr2-318	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr2	31898449	31900186	+	0	NA	intron (N	L1PA7|LIN	-95337	NR_146994	1.05E+08	Hs.58038	NR_146994	ENSG0000	LINC0194	-	long inte	ncRNA
chr22-237	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr22	23793588	23795363	+	0	NA	intron (N	AluJr|SIN	7509	NM_00307	6598	Hs.53435	NM_00307	ENSG0000	SMARCB1	BAF47|CSS	SWI/SNF r	protein-coding
chr5-347	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr5	34763493	34769037	+	0	NA	intron (N	THE1A-int	-72899	NM_14472	153657	Hs.43574	NM_14472	ENSG0000	TTC23L	MC25-1	tetratric	protein-coding
chr9-130	8.912414	-0.11664	0.780602	-0.14942	0.881222	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	L1M5|LINE	-13898	NR_16214	1.13E+08		NR_162140		MIR12126	-	microRNA	ncRNA
chr1-362	6.152245	0.14165	0.94809	0.149406	0.881233	0.981636	chr1	3627142	3627799	+	0	NA	intron (N	intron (N	2455	NM_182752	127262	Hs.20529	NM_18275	ENSG0000	TPRG1L	FAM79A|h-	tumor prc	protein-coding
chr22-209	6.152245	0.14165	0.94809	0.149406	0.881233	0.981636	chr22	20985347	20986123	+	0	NA	intron (N	intron (N	3438	NM_006767	8216	Hs.78788	NM_006767	ENSG0000	LZTR1	BTBD29|LZ	leucine z	protein-coding
chr13-270	8.639343	0.118558	0.795818	0.148977	0.881572	0.981636	chr13	27075098	27075297	+	0	NA	exon (NM_	exon (NM_	-50336	NR_046547	1.01E+08	Hs.52492	NR_046547		USP12-AS1	-	USP12 ant	ncRNA
chr14-372	8.639343	0.118558	0.795818	0.148977	0.881572	0.981636	chr14	37293158	37293963	+	0	NA	intron (N	L1PA4|LIN	95623	NM_00119	145282	Hs.66039	NM_138731	ENSG0000	MIPOL1	CCDC193	mirror-in	protein-coding
chr16-691	8.639343	0.118558	0.795818	0.148977	0.881572	0.981636	chr16	69119609	69121698	+	0	NA	intron (N	intron (N	11506	NM_00136	1.13E+08	Hs.85962	NM_001002847		DERPC	CHTF8	DERPC prc	protein-coding
chr2-177	8.639343	0.118558	0.795818	0.148977	0.881572	0.981636	chr2	1.77E+08	1.77E+08	+	0	NA	TTS (NR_	TTS (NR_	938	NR_03607	1E+08		NR_03607	ENSG0000	MIR3128	mir-3128	microRNA	ncRNA
chr6-436	8.639343	0.118558	0.795818	0.148977	0.881572	0.981636	chr6	43677576	43678420	+	0	NA	intron (N	intron (N	9814	NM_01813	55168	Hs.52014	NM_01813	ENSG0000	MRPS18A	HumanS18	mitochon	protein-coding
chr11-672	10.61414	0.10691	0.71959	0.148571	0.881892	0.981636	chr11	67224919	67225888	+	0	NA	intron (N	AluSz|SIN	-14611	NM_00125	22992	Hs.124147	NM_01230	ENSG0000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr13-102	10.61414	0.10691	0.71959	0.148571	0.881892	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MB8|LIN	36029	NM_00101	196541	Hs.50862	NM_00101	ENSG0000	METTL21C	C13orf39	methyltra	protein-coding
chr4-293	10.61414	0.10691	0.71959	0.148571	0.881892	0.981636	chr4	2938082	2940556	+	0	NA	exon (NM_	exon (NM_	3773	NR_01545	317648	Hs.39817	NR_01545	ENSG0000	NOP14-AS1	C4orf10|	NOP14 ant	ncRNA
chr6-436	10.61414	0.10691	0.71959	0.148571	0.881892	0.981636	chr6	43600773	43602283	+	0	NA	intron (N	AluSq2|SI	25343	NM_001291	5429	Hs.655467	NM_00650	ENSG0000	POLH	RAD30|RAD	DNA polym	protein-coding
chrX-242	10.61414	0.10691	0.71959	0.148571	0.881892	0.981636	chrX	24209467	24212295	+	0	NA	exon (NM_	exon (NM_	61152	NM_00117	7543	Hs.336681	NM_00341	ENSG0000	ZFX	ZNF926	zinc fing	protein-coding
chr2-610	10.14297	0.10975	0.739105	0.148491	0.881955	0.981636	chr2	61031214	61033008	+	0	NA	exon (NM_	exon (NM_	-13852	NM_00132	150962	Hs.36834	NM_14470	ENSG0000	PUS10	CCDC139|	pseudouri	protein-coding
chr6-313	10.14297	0.10975	0.739105	0.148491	0.881955	0.981636	chr6	31353732	31355592	+	0	NA	TTS (NR_1	TTS (NR_1	654	NR_106951	1.02E+08		NR_106951	ENSG0000	MIR6891	hsa-mir-	microRNA	ncRNA
chr17-557	9.192787	0.117837	0.793716	0.148462	0.881978	0.981636	chr17	55773544	55774410	+	0	NA	intron (N	intron (N	22872	NM_00110	58488	Hs.28521	NM_02121	ENSG0000	PCTP	PC-TP|ST	phosphati	protein-coding
chr16-69	13.10909	0.097033	0.653608	0.148458	0.881981	0.981636	chr16	69370016	69371033	+	0	NA	exon (NM_	exon (NM_	15483	NM_00565	7014	Hs.63335	NM_00565	ENSG0000	TERF2	TRBF2|TR	telomeric	protein-coding
chr1-153	11.6466	0.103213	0.695331	0.148438	0.881997	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	Intergeni	Intergeni	-1528	NM_006694	10899	Hs.6396	NM_006694	ENSG0000	JTB	HJTB|HSP	jumping t	protein-coding
chr14-321	8.680483	0.120098	0.809833	0.1483	0.882106	0.981636	chr14	32136559	32137004	+	0	NA	intron (N	L1MB5|LIN	59477	NM_00117	394	Hs.59231	NM_00117	ENSG0000	ARHGAP5	GFI2|Rho	Rho GTPa	protein-coding
chr12-327	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr12	327516	328998	+	0	NA	intron (N	intron (N	61063	NM_00104	5927	Hs.76272	NM_00505	ENSG0000	KDM5A	RBBP-2|R	lysine de	protein-coding
chr13-99	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr13	99550292	99550683	+	0	NA	intron (N	L2|LINE|L	-26625	NR_12639	1.04E+08	Hs.639387	NR_126390		LINC0103	-	long inte	ncRNA
chr15-50	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr15	50588875	50589769	+	0	NA	intron (N	AluSz|SIN	-42656	NM_203494	373509	Hs.67775	NM_203494	ENSG0000	USP50	-	ubiquitir	protein-coding
chr3-880	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr3	88055172	88056370	+	0	NA	exon (NM_	exon (NM_	3225	NM_00366	8545	Hs.44481	NM_00366	ENSG0000	CGGBP1	CGGBP|p2	CGG tripl	protein-coding
chr4-7564	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr4	75644692	75644956	+	0	NA	3’ UTR (N	3’ UTR (N	-14296	NM_00133	8999	Hs.59169	NM_00394	ENSG0000	CDKL2	KKIAMRE|	cyclin de	protein-coding
chr5-143	9.358154	-0.11312	0.762894	-0.14828	0.882125	0.981636	chr5	14320173	14322782	+	0	NA	intron (N	intron (N	-142506	NR_14581	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr1-329	8.582488	0.12003	0.809945	0.148195	0.882189	0.981636	chr1	32936891	32937090	+	0	NA	exon (NM_	exon (NM_	27819	NM_001127	127544	Hs.591504	NM_153341	ENSG0000	RNF19B	IBRDC3|N	ring fing	protein-coding
chr22-411	7.606877	0.125599	0.848497	0.148026	0.882323	0.981636	chr22	41117920	41118994	+	0	NA	intron (N	intron (N	25865	NM_00136	2033	Hs.517517	NM_00142	ENSG0000	EP300	KAT3B|MK	E1A bindi	protein-coding
chr1-2444	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	24449405	24452171	+	0	NA	intron (N	intron (N	34763	NM_00132	57185	Hs.52344	NM_02044	ENSG0000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr1-314	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	31424345	31431963	+	0	NA	intron (N	AluSx1|SI	14341	NM_01856	347735	Hs.27065	NM_01856	ENSG0000	SERINC2	FKSG84|P	serine ir	protein-coding
chr1-1114	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	9581	NM_00168	515	Hs.51487	NM_00168	ENSG0000	ATP5PB	ATP5F1|PI	ATP synth	protein-coding
chr1-1457	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L2a|LINE|	40637	NR_10384	11126	Hs.488237	NM_00705	ENSG0000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr1-1831	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1929	NR_14904	1.11E+08	Hs.60406	NR_14904	ENSG0000	LAMC1-AS1	lnc-LAMC	LAMC1 ant	ncRNA
chr1-220	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	41681	NM_00444	2058	Hs.49778	NM_00444	ENSG0000	EPRS	EARS|GLU	glutamyl-	protein-coding
chr1-223	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1M5|LINE	37973	NM_001031	7159	Hs.52396	NM_00542	ENSG0000	TP53BP2	53BP2|AS	tumor prc	protein-coding
chr1-231	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	4022	NM_00101	83932	Hs.55489	NM_03201	ENSG0000	SPRTN	C1orf124|	SprT-like	protein-coding
chr10-38	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr10	38095878	38096833	+	0	NA	intron (N	intron (N	2018	NM_001324	7587	Hs.29257	NM_003421	ENSG0000	ZNF37A	KOX21|ZN	zinc fing	protein-coding
chr10-43	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr10	43387165	43395178	+	0	NA	intron (N	AluSx1|SI	5660	NM_00109	3185	Hs.808	NM_00496	ENSG0000	HNRNPF	HNRPF|OK/	heteroger	protein-coding
chr10-60	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr10	60906809	60907562	+	0	NA	intron (N	THE1B|LT	37000	NM_00135	9886	Hs.737374	NM_01483	ENSG0000	RHOBTB1	-	Rho relat	protein-coding
chr10-93	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr10	93331415	93345055	+	0	NA	intron (N	intron (N	144099	NM_013451	26509	Hs.60208	NM_013451	ENSG0000	MYOF	FER1L3	myoferlir	protein-coding
chr11-86	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr11	8690766	8700902	+	0	NA	intron (N	intron (N	10395	NR_002977	677826	Hs.74555	NR_002977	ENSG0000	SNORA3B	ACA3-2|S	small nuc	snoRNA
chr11-114	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	TTS (NM_	TTS (NM_	10958	NM_01552	25996	Hs.67719	NM_01552	ENSG0000	REXO2	CGI-114|	RNA exon	protein-coding
chr12-574	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr12	57494051	57506738	+	0	NA	exon (NM_	exon (NM_	-11570	NM_00131	64333	Hs.43712	NM_03249	ENSG0000	ARHGAP9	10C|RGL1	Rho GTPa	protein-coding
chr13-23	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr13	23356555	23359052	+	0	NA	intron (N	intron (N	17705	NM_00127	26278	Hs.15949	NM_01436	ENSG0000	SACS	ARSACS|D	sacsin m	protein-coding
chr14-241	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr14	24162647	24169866	+	0	NA	3’ UTR (N	3’ UTR (N	4991	NM_006084	10379	Hs.1706	NM_006084	ENSG0000	IRF9	IRF-9|IS	interferc	protein-coding
chr14-347	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr14	34758485	34758802	+	0	NA	intron (N	intron (N	-43820	NR_02813	1073	Hs.180141	NM_021914	ENSG0000	CFL2	NEM7	cofilin	protein-coding
chr14-101	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-330	NR_03613	574410		NR_02996	ENSG0000	MIR323B	MIR453|M	microRNA	ncRNA
chr14-10	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	2278	NM_00101	9529	Hs.5443	NM_00487	ENSG0000	BAG5	BAG-5	BCL2 ass	protein-coding
chr16-24	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr16	24939919	24943865	+	0	NA	intron (N	intron (N	73477	NM_00100	55114	Hs.37379	NM_018054	ENSG0000	ARHGAP17	MST066|M	Rho GTPa	protein-coding
chr16-287	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr16	28713023	28721312	+	0	NA	intron (N	AluSc8|SI	5747	NM_00109	728689	Hs.567374	NM_00109	ENSG0000	EIF3CL	-	eukaryoti	protein-coding
chr16-30	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr16	30078579	30085570	+	0	NA	intron (N	AluY|SINE	6080	NM_00272	5531	Hs.53433	NM_00272	ENSG0000	PPP4C	PP-X|PP4|	protein	protein-coding
chr16-58	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr16	58518797	58535212	+	0	NA	intron (N	FAM|SINE|	11525	NR_13458	79918	Hs.731691	NM_02486	ENSG0000	SETD6	-	SET domai	protein-coding
chr16-84	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr16	84093012	84093585	+	0	NA	intron (N	intron (N	23644	NM_003791	8720	Hs.75890	NM_003791	ENSG0000	MBTPS1	PCSK8|S1	membrane	protein-coding
chr17-53	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr17	5382682	5387230	+	0	NA	3’ UTR (N	3’ UTR (N	-34685	NM_00116	84268	Hs.46208	NM_03230	ENSG0000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-41	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr17	41975471	41986532	+	0	NA	intron (N	intron (N	13204	NM_00133	1267	Hs.273621	NM_03313	ENSG0000	CNP	CNP1	2’,3’-cyc	protein-coding
chr17-47	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr17	47618921	47619940	+	0	NA	intron (N	AluSp|SIN	-30489	NM_00226	3837	Hs.53279	NM_00226	ENSG0000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr17-59	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr17	59079289	59080882	+	0	NA	intron (N	intron (N	26795	NR_148347	4591	Hs.57907	NM_015294	ENSG0000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr19-40	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr19	4035710	4037947	+	0	NA	intron (N	intron (N	28701	NM_001317	51341	Hs.591384	NM_01589	ENSG0000	ZBTB7A	FBI-1|FBI	zinc fing	protein-coding
chr19-49	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr19	49926431	49927854	+	0	NA	intron (N	AluSz|SIN	-1560	NM_01206	22809	Hs.9754	NM_01206	ENSG0000	ATF5	ATFX|HMF	activatir	protein-coding
chr2-325	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr2	32597918	32609135	+	0	NA	intron (N	AluSz|SIN	-24524	NM_00119	55622	Hs.46812	NM_01773	ENSG0000	TTC27	-	tetratric	protein-coding
chr2-3714	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr2	37143583	37149972	+	0	NA	intron (N	intron (N	1045	NM_00113	5610	Hs.131431	NM_00275	ENSG0000	EIF2AK2	EIF2AK1|	eukaryoti	protein-coding
chr2-702	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr2	70283236	70288311	+	0	NA	intron (N	intron (N	7451	NM_001317	6637	Hs.465167	NM_00309	ENSG0000	SNRPG	SMG|Sm-G	small nuc	protein-coding
chr2-978	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr2	97885276	97888156	+	0	NA	intron (N	L1M2c|LIN	109232	NM_01534	23505	Hs.46937	NM_01534	ENSG0000	TMEM131	CC28|PRO1	transmem	protein-coding
chr2-1217	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr2	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	7867	NM_00462	7247	Hs.75066	NM_00462	ENSG0000	TSN	BCLF-1|C	translin	protein-coding
chr20-32	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr20	32846828	32849416	+	0	NA	intron (N	AluJb|SIN	-10801	NM_00114	388795		NM_00114	ENSG0000	EFCAB8	-	EF-hand	protein-coding
chr21-31	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr21	31699629	31702680	+	0	NA	exon (NM_	exon (NM_	30964	NM_00114	57466	Hs.17255	NM_02070	ENSG0000	SCAF4	SFRS15|S	SR-relat	protein-coding
chr22-45	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr22	45814444	45814953	+	0	NA	intron (N	MER1B|DN	54174	NR_03991	1.01E+08		NR_03991	ENSG0000	MIR4762	-	microRNA	ncRNA
chr3-9364	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr3	9364583	9369017	+	0	NA	intron (N	intron (N	3746	NM_01545	25917	Hs.443081	NM_01545	ENSG0000	THUMPD3	-	THUMP do	protein-coding
chr3-1997	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr3	19974342	19981048	+	0	NA	intron (N	MIRc|SINE	30598	NM_004162	5868	Hs.47566	NM_004162	ENSG0000	RAB5A	RAB5	RAB5A, m	protein-coding
chr3-1111	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	100377	NM_00124	25945	Hs.293917	NM_01548	ENSG0000	NECTIN3	CD113|CD	nectin c	protein-coding
chr3-180	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6045	NM_001042	151613	Hs.43213	NM_133462	ENSG0000	TTC14	DRDL5813|	tetratric	protein-coding
chr4-109	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-20278	NM_01791	55013	Hs.23414	NM_01791	ENSG0000	MCUB	CCDC109B	mitochon	protein-coding
chr4-154	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr4	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	6202	NM_00266	5356	Hs.24999	NM_00266	ENSG0000	PLRG1	Cwc1|PRL1	pleiotro	protein-coding
chr4-159	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	76031	NM_001351	9693	Hs.744884	NM_014247	ENSG0000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr5-682	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr5	68292968	68295417	+	0	NA	intron (N	intron (N	1615	NM_001242	5295	Hs.13222	NM_181504	ENSG0000	PIK3R1	AGM7|GRB1	phosphoi	protein-coding
chr5-177	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	L1ME3A|LI	51293	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, m	protein-coding
chr6-328	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr6	32829566	32830736	+	0	NA	intron (N	intron (N	8619	NM_01883	6891	Hs.502	NM_000544	ENSG0000	TAP2	ABC18|AB	transport	protein-coding
chr8-3894	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr8	38943812	38946376	+	0	NA	intron (N	intron (N	-29134	NM_153692	203100	Hs.661014	NM_153692	ENSG0000	HTRA4	-	HtrA seri	protein-coding
chr8-479	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr8	47951111	47957399	+	0	NA	intron (N	intron (N	5881	NM_001081	5591	Hs.491682	NM_006904	ENSG0000	PRKDC	DNA-PKC|	protein k	protein-coding
chr8-739	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr8	73950945	73957005	+	0	NA	intron (N	L1MB5|LIN	17933	NM_001204	6921	Hs.533437	NM_005648	ENSG0000	ELOC	SIII|TCE	elongin	protein-coding
chr8-133	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	(AC)n|Sim	39944	NM_00113	10397	Hs.372914	NM_006096	ENSG0000	NDRG1	CAP43|CM	N-myc dow	protein-coding
chr9-777	8.904556	-0.11508	0.777475	-0.14802	0.882327	0.981636	chr9	77727542	77728596	+	0	NA	intron (N	AluSc|SIN	-79747	NM_004297	9630	Hs.65779	NM_004297	ENSG0000	GNA14	-	G protei	protein-coding
chr11-57	8.168179	0.122652	0.82908	0.147938	0.882392	0.981636	chr11	57319579	57320382	+	0	NA	intron (N	intron (N	4972	NM_03339	85456	Hs.53073	NM_03339	ENSG0000	TNKS1BP1	TAB182	tankyras	protein-coding
chr12-13	8.168179	0.122652	0.82908	0.147938	0.882392	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSz6|SI	-20889	NR_00329	347918	Hs.12211	NM_18261	ENSG0000	EP400P1	EP400NL	EP400 ps	pseudo
chr15-437	8.168179	0.122652	0.82908	0.147938	0.882392	0.981636	chr15	43799002	43800281	+	0	NA	promoter-	promoter-	456	NM_00125	619189	Hs.42412	NM_00125	ENSG0000	SERINC4	-	serine ir	protein-coding
chr5-1807	8.168179	0.122652	0.82908	0.147938	0.882392	0.981636	chr5	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	11011	NM_001364	4245	Hs.51981	NM_00240	ENSG0000	MGAT1	GLCNAC-TI	mannosyl	protein-coding
chr16-71	7.956219	-0.12219	0.826087	-0.14791	0.882414	0.981636	chr16	71897668	71898374	+	0	NA	intron (N	intron (N	2490	NM_00127	9798	Hs.232194	NM_014761	ENSG0000	IST1	CHMP8|OL	IST1 fact	protein-coding
chr17-75	7.956219	-0.12219	0.826087	-0.14791	0.882414	0.981636	chr17	75318813	75319982	+	0	NA	3’ UTR (N	3’ UTR (N	-29948	NM_021734	60386	Hs.51447	NM_021734	ENSG0000	SLC25A19	DNC|MCPH	solute c	protein-coding
chr22-311	7.956219	-0.12219	0.826087	-0.14791	0.882414	0.981636	chr22	31181456	31182699	+	0	NA	intron (N	L1MC5a|LI	21895	NR_02420	91445	Hs.51755	NM_152267	ENSG0000	RNF185	-	ring fing	protein-coding
chr3-4261	7.956219	-0.12219	0.826087	-0.14791	0.882414	0.981636	chr3	42618185	42618473	+	0	NA	intron (N	AluSq10|	-17251	NM_001201	9117	Hs.44589	NM_00420	ENSG0000	SEC22C	SEC22L3	SEC22 hom	protein-coding
chr11-73	7.461481	-0.12744	0.862965	-0.14768	0.882594	0.981636	chr11	73924890	73925402	+	0	NA	intron (N	AluSz|SIN	-25173	NM_153614	374407	Hs.56788	NM_153614	ENSG0000	DNAJB13	CILD34|R	DnaJ heat	protein-coding
chr22-26	7.461481	-0.12744	0.862965	-0.14768	0.882594	0.981636	chr22	26532276	26532636	+	0	NA	intron (N	AluSg|SIN	19924	NR_14452	1.01E+08	Hs.405877	NR_144529		LOC100507	-	uncharact	ncRNA
chr4-1844	7.461481	-0.12744	0.862965	-0.14768	0.882594	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-23429	NR_12593	1.03E+08	Hs.432281	NR_12593	ENSG0000	LINC0236	-	long inte	ncRNA
chr9-329	7.461481	-0.12744	0.862965	-0.14768	0.882594	0.981636	chr9	32995676	32995875	+	0	NA	intron (N	AluY|SINE	5801	NM_00119	54840	Hs.20158	NM_01769	ENSG0000	APTX	AOA|AOA1|	aprataxi	protein-coding
chr2-3334	8.127039	0.120984	0.819818	0.147574	0.882679	0.981636	chr2	33342015	33342604	+	0	NA	intron (N	intron (N	-76207	NR_03962	1.01E+08		NR_03962	ENSG0000	MIR4430	-	microRNA	ncRNA
chr22-45	8.127039	0.120984	0.819818	0.147574	0.882679	0.981636	chr22	45323081	45324424	+	0	NA	intron (N	intron (N	5309	NM_00134	55007	Hs.26501	NM_017911	ENSG0000	FAM118A	C22orf8	family wi	protein-coding
chr17-18	8.590346	0.11841	0.803026	0.147454	0.882774	0.981636	chr17	1858210	1858582	+	0	NA	intron (N	intron (N	28391	NM_00135	6117	Hs.46192	NM_00294	ENSG0000	RPA1	HSSB|MST	replicati	protein-coding
chr17-49	7.420341	-0.1297	0.880124	-0.14736	0.882848	0.981636	chr17	4984766	4984965	+	0	NA	intron (N	AluSg|SIN	2596	NM_001171	23125	Hs.63224	NM_01509	ENSG0000	CAMTA2	-	calmoduli	protein-coding
chr10-131	7.655875	0.125539	0.852159	0.147319	0.88288	0.981636	chr10	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MEd|LIN	32510	NM_004052	664	Hs.14487	NM_004052	ENSG0000	BNIP3	NIP3	BCL2 inte	protein-coding
chr6-372	7.655875	0.125539	0.852159	0.147319	0.88288	0.981636	chr6	3726357	3726633	+	0	NA	intron (N	intron (N	25517	NM_18337	221749	Hs.48450	NM_18337	ENSG0000	PXDC1	C6orf145	PX domai	protein-coding
chr8-656	7.655875	0.125539	0.852159	0.147319	0.88288	0.981636	chr8	65621634	65622777	+	0	NA	intron (N	AluJo|SIN	11972	NM_01812	55156	Hs.26954	NM_01812	ENSG0000	ARMC1	Arcp	armadill	protein-coding
chr1-944	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr1	94482580	94484741	+	0	NA	intron (N	L1PA5|LIN	58099	NM_00199	2152	Hs.62192	NM_00199	ENSG0000	F3	CD142|TF|	coagulati	protein-coding
chr1-243	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-28223	NR_039824	1.01E+08		NR_039824	ENSG0000	MIR4677	mir-4677	microRNA	ncRNA
chr15-77	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr15	77046543	77046789	+	0	NA	3’ UTR (N	3’ UTR (N	24443	NM_00116	10099	Hs.74486	NM_005724	ENSG0000	TSPAN3	TM4-A|TM	tetraspa	protein-coding
chr4-7577	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr4	75770605	75771679	+	0	NA	intron (N	intron (N	46620	NM_00129	8615	Hs.744877	NM_00371	ENSG0000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-112	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSz6|SI	-45298	NM_001204	6728	Hs.637001	NM_00313	ENSG0000	SRP19	-	signal r	protein-coding
chr5-134	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluYm1|SI	2300	NM_00113	134553	Hs.70853	NM_15240	ENSG0000	C5orf24	-	chromoso	protein-coding
chr6-831	9.630669	0.111357	0.756087	0.14728	0.882911	0.981636	chr6	83128925	83129463	+	0	NA	exon (NM_	exon (NM_	61528	NM_01501	23033	Hs.52024	NM_01501	ENSG0000	DOP1A	DOP1|DOP	DOP1 leu	protein-coding
chr14-22	10.18411	0.111107	0.754525	0.147255	0.882931	0.981636	chr14	22833555	22834138	+	0	NA	intron (N	AluSp|SIN	-2739	NM_00499	4323	Hs.2399	NM_00499	ENSG0000	MMP14	MMP-14|M	matrix m	protein-coding
chr9-954	9.884324	-0.11629	0.790255	-0.14715	0.88301	0.981636	chr9	95445312	95445683	+	0	NA	non-codi	non-codi	-18112	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr8-1251	9.86075	-0.11112	0.756309	-0.14693	0.883187	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MEc|LIN	12637	NM_17368	286053	Hs.388297	NM_17368	ENSG0000	NSMCE2	C8orf36|	NSE2 (MM	protein-coding
chrX-1297	9.671809	0.112779	0.768021	0.146844	0.883255	0.981636	chrX	12975359	12976107	+	0	NA	intron (N	CpG	623	NM_02110	7114	Hs.437277	NM_02110	ENSG0000	TMSB4X	FX|PTMB4|	thymosin	protein-coding
chr9-121	9.573814	0.112689	0.767671	0.146794	0.883295	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	non-codi	non-codi	3470	NR_10356	57000	Hs.52237	NM_02025	ENSG0000	GSN-AS1	C9orf31|	GSN anti	ncRNA
chr1-156	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr1	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	-8373	NM_144702	149499	Hs.491734	NM_144702	ENSG0000	LRRC71	C1orf92	leucine	protein-coding
chr13-274	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr13	27430685	27432216	+	0	NA	intron (N	L1PB2|LIN	6831	NM_002097	2971	Hs.445977	NM_002097	ENSG0000	GTF3A	AP2|TFIII	general t	protein-coding
chr19-154	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr19	15403228	15403653	+	0	NA	intron (N	intron (N	15548	NM_014371	26993	Hs.39980	NM_014371	ENSG0000	AKAP8L	HA95|HAP	A-kinase	protein-coding
chr4-1431	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	8299	NM_00129	84640	Hs.48084	NM_032557	ENSG0000	USP38	HP43.8KD	ubiquitir	protein-coding

chr6-5661	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr6	56613596	56614542	+	0	NA	TTS (NM_0	TTS (NM_0	28820	NM_015548	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr8-4307	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr8	43074003	43075127	+	0	NA	intron (N	L1MD2|LIN	18242	NM_002027	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-7029	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr9	70290245	70292992	+	0	NA	intron (N	L1M4|LINE	32640	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr9-9206	8.401959	-0.1179	0.803742	-0.14669	0.883379	0.981636	chr9	92060974	92063980	+	0	NA	intron (N	L1MD1|LIN	52936	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr12-100	8.855558	-0.11566	0.78875	-0.14664	0.883415	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	AluSx3|SI	12091	NR_048568	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr5-1499	8.855558	-0.11566	0.78875	-0.14664	0.883415	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	5268	NM_030953	81789	Hs.169333	NM_030953	ENSG00000	TIGD6	-	tigger tr	protein-coding
chr11-119	12.07663	0.099691	0.680017	0.146601	0.883447	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJb|SIN	27297	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr19-381	12.12563	0.099748	0.680525	0.146575	0.883467	0.981636	chr19	38162033	38163367	+	0	NA	promoter-	promoter-	-396	NR_145800	1.1E+08		NR_145800		SNORD152	-	small nuc	snoRNA
chr2-1315	6.193384	0.143349	0.978101	0.146559	0.88348	0.981636	chr2	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	16641	NR_026922	150776	Hs.535622	NR_026922	ENSG00000	LOC150776	-	sphingomy	pseudo
chr1-1806	11.17544	0.10557	0.721205	0.146381	0.883621	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	L1PA4|LIN	51581	NM_004736	9213	Hs.227656	NM_004736	ENSG00000	XPR1	IBGC6|SLC	xenotropi	protein-coding
chr14-351	7.143571	0.128802	0.880032	0.146361	0.883637	0.981636	chr14	35105978	35106289	+	0	NA	intron (N	AluY|SINE	16409	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr17-427	7.143571	0.128802	0.880032	0.146361	0.883637	0.981636	chr17	42713235	42713637	+	0	NA	intron (N	intron (N	-5285	NR_106838	1.02E+08		NR_106838	ENSG00000	MIR6780A	hsa-mir-6	microRNA	ncRNA
chr22-217	7.143571	0.128802	0.880032	0.146361	0.883637	0.981636	chr22	21777118	21777455	+	0	NA	intron (N	L2|LINE|L	-41492	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr7-1286	7.143571	0.128802	0.880032	0.146361	0.883637	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	-10514	NM_001128	346653	Hs.445236	NM_001012	ENSG00000	FAM71F2	FAM137B	family wi	protein-coding
chr1-1863	8.450957	-0.11732	0.801792	-0.14632	0.883671	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	29613	NM_001127	10216	Hs.647723	NM_005807	ENSG00000	PRG4	CACP|HAPC	proteogly	protein-coding
chr15-739	8.450957	-0.11732	0.801792	-0.14632	0.883671	0.981636	chr15	73947002	73948030	+	0	NA	intron (N	intron (N	-19268	NR_040068	1E+08	Hs.599785	NR_040066	ENSG00000	LOXL1-AS1	-	LOXL1 ant	ncRNA
chr6-3141	8.450957	-0.11732	0.801792	-0.14632	0.883671	0.981636	chr6	3141120	3141945	+	0	NA	intron (N	AluSx3|SI	16012	NM_001310	7280	Hs.654543	NM_001069	ENSG00000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr7-9829	8.450957	-0.11732	0.801792	-0.14632	0.883671	0.981636	chr7	98290860	98294617	+	0	NA	3' UTR (N	3' UTR (N	11052	NM_015379	25798	Hs.567438	NM_015379	ENSG00000	BRI3	I3	brain pro	protein-coding
chr5-1098	9.159505	0.114648	0.784024	0.14623	0.88374	0.981636	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-42564	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr2-2399	9.350296	-0.11165	0.764066	-0.14613	0.883819	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	L1MC4|LIN	38824	NR_136157	4705	Hs.277677	NM_004544	ENSG00000	NDUFA10	CI-42KD|C	NADH:ubiq	protein-coding
chr5-1311	9.350296	-0.11165	0.764066	-0.14613	0.883819	0.981636	chr5	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	4136	NM_005340	3094	Hs.483305	NM_005340	ENSG00000	HINT1	HINT|NMAN	histidine	protein-coding
chr1-1455	10.26535	-0.11066	0.75737	-0.14611	0.883837	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	non-codin	non-codin	34372	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG00000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr1-3265	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr1	32656939	32677527	+	0	NA	intron (N	LTR13A|LT	15875	NM_001135	5928	Hs.16003	NM_005610	ENSG00000	RBBP4	NURF55|RB	RB bindin	protein-coding
chr1-3938	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr1	39385520	39386741	+	0	NA	intron (N	intron (N	-22943	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-9230	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr1	92303928	92305976	+	0	NA	intron (N	AluSz6|SI	5893	NM_024813	79871	Hs.444421	NM_024813	ENSG00000	RPAP2	C1orf82|R	RNA polym	protein-coding
chr1-2431	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-33322	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr10-679	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr10	67906836	67910792	+	0	NA	intron (N	AluSz|SIN	17412	NM_001314	23411	Hs.369779	NM_012238	ENSG00000	SIRT1	SIR2|SIR2	sirtuin 1	protein-coding
chr10-925	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr10	92554119	92556074	+	0	NA	intron (N	L1M1|LINE	18410	NM_001322	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr10-936	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr10	93696264	93699866	+	0	NA	intron (N	intron (N	4507	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr10-119	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	18612	NM_001243	22876	Hs.369755	NM_014937	ENSG00000	INPP5F	MSTP007|M	inositol	protein-coding
chr11-648	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr11	64871182	64875153	+	0	NA	intron (N	intron (N	5442	NR_162101	1.13E+08		NR_162101		MIR10392	-	microRNA	ncRNA
chr11-776	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr11	77682359	77686179	+	0	NA	intron (N	intron (N	-46463	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr11-125	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	-8126	NM_001114	1111	Hs.24529	NM_001274	ENSG00000	CHEK1	CHK1	checkpoin	protein-coding
chr12-105	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	THE1C|LTR	43200	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr13-110	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr13	1.1E+08	1.11E+08	+	0	NA	intron (N	MIRb|SINE	10079	NR_046583	1.01E+08	Hs.508716	NR_046583	ENSG00000	COL4A2-AS	-	COL4A2 an	ncRNA
chr14-732	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr14	73206150	73209433	+	0	NA	intron (N	MER52A|LT	-29715	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr14-921	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr14	92157201	92159649	+	0	NA	intron (N	intron (N	36456	NM_001322	53981	Hs.657632	NM_017437	ENSG00000	CPSF2	CPSF100	cleavage	protein-coding
chr15-772	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr15	77206152	77209002	+	0	NA	intron (N	L1MC2|LIN	17827	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr15-856	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr15	85664330	85665823	+	0	NA	intron (N	AluJo|SIN	45126	NM_001270	11214	Hs.459211	NM_006738	ENSG00000	AKAP13	AKAP-13|A	A-kinase	protein-coding
chr16-117	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	11748720	11757863	+	0	NA	intron (N	intron (N	-10434	NR_136673	51061	Hs.313847	NM_015914	ENSG00000	TXNDC11	EFP1	thioredox	protein-coding
chr16-150	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	15059693	15069865	+	0	NA	intron (N	intron (N	-8700	NM_001270	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAD	N-termina	protein-coding
chr16-214	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	21466467	21469322	+	0	NA	intron (N	intron (N	-33439	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr16-303	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	30350552	30353734	+	0	NA	3' UTR (N	3' UTR (N	2791	NM_001243	10421	Hs.202677	NM_006110	ENSG00000	CD2BP2	FWP010|LI	CD2 cytop	protein-coding
chr16-533	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	53306207	53308044	+	0	NA	intron (N	intron (N	64087	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr16-683	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	68301469	68304334	+	0	NA	intron (N	intron (N	8045	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr16-746	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	74642107	74644823	+	0	NA	intron (N	intron (N	23412	NM_018124	55159	Hs.567525	NM_018124	ENSG00000	RFWD3	FANCW|RNF	ring fing	protein-coding
chr16-897	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr16	89733268	89738301	+	0	NA	intron (N	AluSx1|SI	14247	NM_001113	92822	Hs.290154	NM_152287	ENSG00000	ZNF276	CENP-Z|CE	zinc fing	protein-coding
chr18-276	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr18	2769651	2773645	+	0	NA	intron (N	intron (N	-75358	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr18-954	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr18	9545277	9550676	+	0	NA	intron (N	intron (N	66583	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr18-995	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr18	9952242	9954903	+	0	NA	intron (N	LTR65|LTR	39556	NM_003574	9218	Hs.165195	NM_003574	ENSG00000	VAPA	VAP-33|VA	VAMP asso	protein-coding
chr18-361	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr18	36110397	36115081	+	0	NA	intron (N	intron (N	16601	NM_012319	25800	Hs.79136	NM_012319	ENSG00000	SLC39A6	LIV-1|ZIP	solute ca	protein-coding
chr19-101	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr19	10146016	10151403	+	0	NA	intron (N	intron (N	-28810	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr19-323	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr19	32352954	32355580	+	0	NA	exon (NM_	exon (NM_	8657	NM_014910	22847	Hs.205392	NM_014910	ENSG00000	ZNF507	-	zinc fing	protein-coding
chr19-325	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr19	32584825	32589750	+	0	NA	exon (NM_	exon (NM_	6097	NM_004708	9141	Hs.443831	NM_004708	ENSG00000	PDCD5	TFAR19	programme	protein-coding
chr2-3252	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr2	32525239	32529397	+	0	NA	intron (N	Tigger4|D	-4835	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-5388	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr2	53883447	53896180	+	0	NA	intron (N	intron (N	-29780	NM_001164	1E+08	Hs.40763	NM_001164	ENSG00000	GPR75-ASB	ASB-3|ASB	GPR75-ASB	protein-coding
chr2-2267	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	61035	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr2-2297	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	AluJb|SIN	-79952	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr2-2310	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	26172	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr20-345	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr20	34540155	34542849	+	0	NA	TTS (NM_0	TTS (NM_0	-5342	NM_181509	84557	Hs.632273	NM_032514	ENSG00000	MAP1LC3A	ATG8E|LC3	microtubu	protein-coding
chr20-367	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr20	36752259	36752934	+	0	NA	3' UTR (N	3' UTR (N	-6506	NM_032013	57446	Hs.437338	NM_022477	ENSG00000	NDRG3	-	NDRG fami	protein-coding
chr22-383	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr22	38312062	38312947	+	0	NA	intron (N	intron (N	4929	NM_152221	1454	Hs.474833	NM_001894	ENSG00000	CSNK1E	CKIe|CKIe	casein ki	protein-coding
chr22-458	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr22	45851021	45852934	+	0	NA	Intergeni	MLT1B|LTR	91453	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-3252	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr3	32525162	32528545	+	0	NA	exon (NM_	exon (NM_	-20464	NR_106753	1.02E+08		NR_106753	ENSG00000	MIR548AY	hsa-mir-5	microRNA	ncRNA
chr3-1721	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	FLAM_A|SI	74191	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr4-2912	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr4	2912577	2920692	+	0	NA	intron (N	L1PA7|LIN	17603	NM_001120	10227	Hs.632581	NM_001120	ENSG00000	MFSD10	TETRAN|TE	major fac	protein-coding
chr4-7575	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr4	75752539	75756825	+	0	NA	intron (N	L2|LINE|L	30160	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-7211	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr5	72114884	72121125	+	0	NA	intron (N	intron (N	10529	NM_005909	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-9574	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr5	95748423	95754309	+	0	NA	intron (N	FLAM_A|SI	-19264	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr5-1275	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	3' UTR (N	3' UTR (N	36010	NM_130809	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr5-1464	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSc|SIN	24436	NM_006706	10915	Hs.443465	NM_006706	ENSG00000	TCERG1	CA150|TAF	transcrip	protein-coding
chr5-1798	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	CpG	1563	NM_054013	11282	Hs.567419	NM_014275	ENSG00000	MGAT4B	GNT-IV|GN	alpha-1,3	protein-coding
chr6-8217	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr6	82170438	82175495	+	0	NA	intron (N	intron (N	-71201	NR_149135	1.03E+08	Hs.485841	NR_149134		LINC02542	-	long inte	ncRNA
chr6-1308	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	57097	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr6-1323	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	L1PB1|LIN	46756	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr7-5474	8.896698	-0.11354	0.777291	-0.14607	0.883866	0.981636	chr7	54749222	54757668	+	0	NA	intron (N	intron (N	5766	NM_014302	23480	Hs.488282	NM_014302	ENSG00000	SEC61G	SSS1	SEC61 tra	protein-coding
chr21-258	9.407152	-0.11272	0.771821	-0.14604	0.883891	0.981636	chr21	25894069	25894536	+	0	NA	intron (N	Tigger1|D	-158648	NM_001003	522	Hs.246310	NM_001685	ENSG00000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr7-1539	9.407152	-0.11272	0.771821	-0.14604	0.883891	0.981636	chr7	1539311	1540607	+	0	NA	exon (NM_	exon (NM_	-5079	NR_149036	1E+08	Hs.656985	NR_149036		LOC100128	-	uncharact	ncRNA
chr13-955	9.581672	0.111224	0.761904	0.145982	0.883936	0.981636	chr13	95580790	95581122	+	0	NA	3' UTR (N	3' UTR (N	28236	NM_006984	9071	Hs.534377	NM_006984	ENSG00000	CLDN10	CPETRL3|H	claudin 1	protein-coding
chr15-590	9.581672	0.111224	0.761904	0.145982	0.883936	0.981636	chr15	59092542	59093234	+	0	NA	intron (N	AluJr|SIN	-12258	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr5-1578	9.581672	0.111224	0.761904	0.145982	0.883936	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	53903	NM_014666	9685	Hs.644000	NM_014666	ENSG00000	CLINT1	CLINT|ENT	clathrin	protein-coding
chr17-557	9.852892	-0.10959	0.750932	-0.14594	0.883971	0.981636	chr17	55771884	55772479	+	0	NA	intron (N	intron (N	21076	NM_001102	58488	Hs.285218	NM_021213	ENSG00000	PCTP	PC-TP|STA	phosphati	protein-coding
chr9-4409	15.10182	-0.08973	0.615586	-0.14576	0.88411	0.981636	chr9	44094417	44094926	+	0	NA	Intergeni	ALR/Alpha	968505	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-358	9.118366	0.113123	0.77613	0.145752	0.884117	0.981636	chr14	35838005	35838253	+	0	NA	intron (N	L1PA7|LIN	11791	NM_032352	84312	Hs.525299	NM_032352	ENSG00000	BRMS1L	BRMS1	BRMS1 lik	protein-coding
chr20-333	9.118366	0.113123	0.77613	0.145752	0.884117	0.981636	chr20	3331379	3332454	+	0	NA	intron (N	AluSz6|SI	75746	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr12-519	7.614735	0.123674	0.848643	0.145732	0.884133	0.981636	chr12	51975582	51976756	+	0	NA	intron (N	intron (N	22789	NM_020327	91	Hs.438918	NM_004302	ENSG00000	ACVR1B	ACTRIB|AC	activin A	protein-coding
chr1-7771	11.09316	0.10294	0.706448	0.145714	0.884147	0.981636	chr1	77710013	77710430	+	0	NA	intron (N	intron (N	-26794	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr2-4322	14.10828	0.092559	0.635333	0.145686	0.884169	0.981636	chr2	43222536	43225699	+	0	NA	3' UTR (N	3' UTR (N	2489	NM_006887	678	Hs.503093	NM_006887	ENSG00000	ZFP36L2	BRF2|ERF-	ZFP36 rin	protein-coding
chr12-781	9.309157	-0.11389	0.782473	-0.14556	0.884271	0.981636	chr12	78122110	78122403	+	0	NA	exon (NM_	exon (NM_	237490	NR_135021	1.05E+08	Hs.156898	NR_135021	ENSG00000	LINC02424	-	long inte	ncRNA
chr16-159	8.36082	-0.12005	0.825165	-0.14549	0.884324	0.981636	chr16	15970144	15970656	+	0	NA	intron (N	MLT1J|LTR	20784	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr5-1264	8.36082	-0.12005	0.825165	-0.14549	0.884324	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	8877	NM_001146	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr1-4275	9.399294	-0.11115	0.764614	-0.14537	0.884419	0.981636	chr1	42757660	42762201	+	0	NA	intron (N	intron (N	7154	NM_022356	64175	Hs.720014	NM_022356	ENSG00000	P3H1	GROS1|LEP	prolyl 3-	protein-coding
chr11-301	9.399294	-0.11115	0.764614	-0.14537	0.884419	0.981636	chr11	3010698	3013137	+	0	NA	intron (N	intron (N	-17477	NR_046580	1.01E+08	Hs.274873	NR_046580	ENSG00000	CARS-AS1	-	CARS anti	ncRNA
chr16-194	9.399294	-0.11115	0.764614	-0.14537	0.884419	0.981636	chr16	194875	200152	+	0	NA	intron (N	Charlie2b	17054	NM_005331	3049	Hs.247921	NM_005331	ENSG00000	HBQ1	HBQ	hemoglobi	protein-coding
chr19-422	9.399294	-0.11115	0.764614	-0.14537	0.884419	0.981636	chr19	42224844	42227996	+	0	NA	3' UTR (N	3' UTR (N	6108	NM_133444	116115	Hs.137282	NM_133444	ENSG00000	ZNF526	-	zinc fing	protein-coding
chr1-5243	8.647201	0.116734	0.803038	0.145366	0.884422	0.981636	chr1	52430279	52431311	+	0	NA	intron (N	MIR|SINE|	26193	NM_032864	84950	Hs.5301	NM_032284	ENSG00000	PRPF38A	PRP38A|Pr	pre-mRNA	protein-coding
chr1-9268	8.647201	0.116734	0.803038	0.145366	0.884422	0.981636	chr1	92687667	92688135	+	0	NA	intron (N	L1PA6|LIN	97207	NM_001350	7813	Hs.594434	NM_005665	ENSG00000	EVI5	EVI-5|NB4	ecotropic	protein-coding
chr5-1432	8.647201	0.116734	0.803038	0.145366	0.884422	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	105300	NM_001364	2908	Hs.122926	NM_000176	ENSG00000	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr11-737	7.094573	0.12867	0.885904	0.145241	0.88452	0.981636	chr11	73719972	73720204	+	0	NA	intron (N	intron (N	40005	NM_001243	5870	Hs.503222	NM_002869	ENSG00000	RAB6A	RAB6	RAB6A, me	protein-coding
chr22-455	7.948361	-0.12039	0.829431	-0.14514	0.884598	0.981636	chr22	45522657	45523192	+	0	NA	intron (N	L2a|LINE|	20041	NM_001996	2192	Hs.24601	NM_001996	ENSG00000	FBLN1	FBLN|FIBL	fibulin 1	protein-coding
chr8-5857	7.948361	-0.12039	0.829431	-0.14514	0.884598	0.981636	chr8	58571923	58574583	+	0	NA	intron (N	intron (N	19992	NM_005625	6386	Hs.200804	NM_005625	ENSG00000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr10-108	6.631267	0.132487	0.914078	0.144941	0.884758	0.981636	chr10	1081799	1082776	+	0	NA	intron (N	intron (N	-25583	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr1-1401	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr1	1401208	1401814	+	0	NA	TTS (NM_0	TTS (NM_0	1981	NR_015434	148413	Hs.741357	NR_015434	ENSG00000	MRPL20-AS	-	MRPL20 an	ncRNA
chr1-2352	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluY|SINE	-36650	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr10-871	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr10	87136710	87138208	+	0	NA	intron (N	L1MEf|LIN	42253	NM_019054	54537	Hs.500419	NM_019054	ENSG00000	SHLD2	FAM35A|FA	shieldin	protein-coding
chr17-626	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr17	62606196	62608388	+	0	NA	intron (N	AluY|SINE	-20378	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr22-176	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr22	17694970	17695414	+	0	NA	intron (N	MLT1J2|LT	-11466	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr4-8470	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr4	84703430	84705568	+	0	NA	intron (N	intron (N	121372	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr6-1101	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	13455	NM_015891	51362	Hs.428147	NM_015891	ENSG00000	CDC40	EHB3|PRP1	cell divi	protein-coding
chr8-1298	8.443099	-0.1157	0.800026	-0.14462	0.885008	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2|LINE|L	-64757	NM_031415	56169	Hs.133244	NM_031415	ENSG00000	GSDMC	MLZE	gasdermin	protein-coding
chr14-350	9.845034	-0.10812	0.74818	-0.14451	0.885098	0.981636	chr14	35058307	35059260	+	0	NA	intron (N	AluJo|SIN	12539	NM_173607	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr18-502	7.184711	0.130412	0.902574	0.144489	0.885114	0.981636	chr18	50269335	50269948	+	0	NA	exon (NM_	exon (NM_	-3146	NM_145020	220136	Hs.658630	NM_145020	ENSG00000	CFAP53	CCDC11|HT	cilia and	protein-coding
chr3-3699	10.10969	0.106797	0.739342	0.144449	0.885146	0.981636	chr3	36995580	36996037	+	0	NA	intron (N	intron (N	2458	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr12-623	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr12	6234975	6239392	+	0	NA	intron (N	AluSq2|SI	36783	NM_001769	928	Hs.114286	NM_001769	ENSG00000	CD9	BTCC-1|DR	CD9 molec	protein-coding
chr12-297	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr12	29754368	29756646	+	0	NA	intron (N	intron (N	28435	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr12-108	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	-3373	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr14-241	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr14	24154776	24158908	+	0	NA	intron (N	intron (N	-4423	NM_006084	10379	Hs.1706	NM_006084	ENSG00000	IRF9	IRF-9|ISG	interfero	protein-coding
chr16-150	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr16	15088131	15092286	+	0	NA	intron (N	AluSq2|SI	4127	NM_001301	54700	Hs.460078	NM_018427	ENSG00000	RRN3	A-270G1.2	RRN3 homo	protein-coding
chr17-160	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr17	16096671	16098556	+	0	NA	intron (N	MER21C|LT	55583	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr2-2580	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr2	25803842	25805106	+	0	NA	intron (N	intron (N	-9783	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr22-279	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr22	27922317	27923406	+	0	NA	intron (N	AluY|SINE	-2249	NR_036169	1E+08		NR_036169	ENSG00000	MIR3199-1	mir-3199-	microRNA	ncRNA
chr4-1505	9.391436	-0.10964	0.760303	-0.1442	0.885339	0.981636	chr4	15052457	15055814	+	0	NA	exon (NM_	exon (NM_	51654	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr5-3469	8.134897	0.11906	0.825725	0.144188	0.885352	0.981636	chr5	346913	347153	+	0	NA	intron (N	L1ME4b|LI	42857	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding

chr7-6492	8.134897	0.11906	0.825725	0.144188	0.885352	0.981636	chr7	64921750	64922347	+	0	NA	intron (N	L1M3|LINE	18806	NM_021148	10793	Hs.520889	NM_021148	ENSG00000	ZNF273	HZF9	zinc fing	protein-coding
chr2-9721	11.14216	0.1029	0.713956	0.144127	0.8854	0.981636	chr2	97214747	97216011	+	0	NA	intron (N	intron (N	-63338	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr8-4300	8.721622	0.121501	0.845626	0.143682	0.885752	0.981636	chr8	43008911	43009390	+	0	NA	intron (N	AluSx1|SI	-47149	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr1-3165	7.50262	-0.12468	0.867987	-0.14364	0.885786	0.981636	chr1	31658672	31658871	+	0	NA	intron (N	intron (N	-13895	NR_033686	553115	Hs.470417	NM_012392	ENSG00000	PEF1	ABP32|PEF	penta-EF-	protein-coding
chr10-125	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	MLT1F2|LT	-9179	NR_039704	1.01E+08		NR_039704	ENSG00000	MIR4484	mir-4484	microRNA	ncRNA
chr13-331	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr13	33103673	33106780	+	0	NA	3’ UTR (N	3’ UTR (N	80865	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr13-449	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr13	44977226	44980533	+	0	NA	intron (N	intron (N	10592	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr14-516	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr14	51692930	51694837	+	0	NA	intron (N	intron (N	-23400	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr19-126	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr19	12656789	12658277	+	0	NA	exon (NM_	exon (NM_	9209	NM_000528	4125	Hs.356769	NM_000528	ENSG00000	MAN2B1	LAMAN|MAN	mannosida	protein-coding
chr2-3929	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr2	39290590	39294638	+	0	NA	intron (N	MLT1B|LTR	-48631	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-2031	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	L2a|LINE|	-45054	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr3-2747	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr3	27477394	27478347	+	0	NA	intron (N	AluSx|SIN	6514	NM_001321	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr5-9590	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr5	95903808	95908544	+	0	NA	intron (N	intron (N	53944	NR_026936	202299	Hs.8373	NM_175616	ENSG00000	LINC01554	C5orf27|F	long inte	ncRNA
chr6-9939	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr6	99399979	99403559	+	0	NA	intron (N	MER33|DNA	-7574	NM_017421	51805	Hs.713623	NM_017421	ENSG00000	COQ3	DHHBMT|DH	coenzyme	protein-coding
chr6-1008	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	MLT2A2|LT	61900	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr6-1112	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7788	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr9-1301	8.88884	-0.11199	0.780052	-0.14357	0.885843	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	39922	NR_135124	401554	Hs.522437	NR_135124	ENSG00000	GPRACR	LncGPR107	GPR107 ac	ncRNA
chr15-425	7.453623	-0.1253	0.872916	-0.14354	0.885864	0.981636	chr15	42520166	42520555	+	0	NA	intron (N	intron (N	24726	NM_003825	8773	Hs.511149	NM_003825	ENSG00000	SNAP23	HsT17016|	synaptoso	protein-coding
chr9-3634	8.945695	-0.11298	0.787333	-0.1435	0.885897	0.981636	chr9	36343450	36344675	+	0	NA	intron (N	AluSx1|SI	56207	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr9-1113	8.945695	-0.11298	0.787333	-0.1435	0.885897	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	-63957	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHC	olfactory	protein-coding
chr12-111	9.200645	0.115998	0.810095	0.143191	0.88614	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	SVA_F|Ret	36750	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr6-1113	8.394102	-0.11618	0.811849	-0.1431	0.886211	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA3|LIN	-98793	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr9-9597	8.394102	-0.11618	0.811849	-0.1431	0.886211	0.981636	chr9	95972068	95972723	+	0	NA	exon (NM_	exon (NM_	49416	NR_024129	1E+08	Hs.434310	NR_024129	ENSG00000	LINC00092	NCRNA0009	long inte	ncRNA
chr11-114	8.8477	-0.1141	0.797875	-0.14301	0.886282	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	6234	NM_006169	4837	Hs.503911	NM_006169	ENSG00000	NNMT	-	nicotinam	protein-coding
chr14-711	8.8477	-0.1141	0.797875	-0.14301	0.886282	0.981636	chr14	71102312	71102824	+	0	NA	intron (N	intron (N	195109	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr22-507	10.62985	0.104032	0.727602	0.142979	0.886307	0.981636	chr22	50789438	50790263	+	0	NA	intron (N	intron (N	6121	NR_026982	284942	Hs.406135	NM_203302		RPL23AP82	RPL23A_43	ribosomal	pseudo
chr16-249	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr16	24973152	24974131	+	0	NA	intron (N	L2c|LINE|	41728	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr17-536	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr17	5360816	5362548	+	0	NA	intron (N	intron (N	-57959	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr18-458	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr18	45884009	45885274	+	0	NA	exon (NM_	exon (NM_	58966	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr20-176	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr20	17624871	17636304	+	0	NA	intron (N	intron (N	51655	NM_001365	6238	Hs.472213	NM_004587	ENSG00000	RRBP1	ES/130|ES	ribosome	protein-coding
chr4-1501	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr4	15015203	15016522	+	0	NA	intron (N	MER44A|DN	13381	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr9-1252	8.937837	-0.11144	0.781154	-0.14266	0.886559	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx|SIN	12808	NM_005347	3309	Hs.743241	NM_005347	ENSG00000	HSPA5	BIP|GRP78	heat shoc	protein-coding
chr1-2057	9.837177	-0.1067	0.747981	-0.14265	0.886567	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	23247	NM_022731	64710	Hs.213061	NM_022731	ENSG00000	NUCKS1	JC7|NUCKS	nuclear c	protein-coding
chr5-1516	9.837177	-0.1067	0.747981	-0.14265	0.886567	0.981636	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSq2|SI	4672	NR_109873	1.02E+08	Hs.571023	NR_109873	ENSG00000	CLMAT3	CTB-113P1	colorecta	ncRNA
chr1-1123	9.126223	0.111419	0.781108	0.142642	0.886573	0.981636	chr1	11233870	11234354	+	0	NA	intron (N	intron (N	28439	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAP	mechanist	protein-coding
chr1-2676	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr1	26760615	26768047	+	0	NA	intron (N	intron (N	-23632	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr1-1100	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	16999	NM_006492	257	Hs.669953	NM_006492	ENSG00000	ALX3	FND|FND1	ALX homeo	protein-coding
chr1-1129	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MA6|LIN	4823	NR_103744	1.01E+08	Hs.418285	NR_103743	ENSG00000	SLC16A1-A	-	SLC16A1 a	ncRNA
chr1-2226	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	11614	NM_022831	64853	Hs.156625	NM_022831	ENSG00000	AIDA	C1orf80	axin inte	protein-coding
chr1-2431	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	55491	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-119	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	18744	NR_136663	7073	Hs.501203	NM_003252	ENSG00000	TIAL1	TCBP|TIAR	TIA1 cyto	protein-coding
chr11-112	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	TTS (NR_0	TTS (NR_0	2368	NR_160400	26521	Hs.279915	NM_012459	ENSG00000	TIMM8B	DDP2|TIM8	transloca	protein-coding
chr12-575	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr12	57511339	57518789	+	0	NA	intron (N	intron (N	2376	NR_106816	1.02E+08		NR_106816	ENSG00000	MIR6758	hsa-mir-6	microRNA	ncRNA
chr16-678	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr16	67830468	67832216	+	0	NA	exon (NM_	exon (NM_	-10978	NM_020457	57215	Hs.632200	NM_020457	ENSG00000	THAP11	CTG-B43a|	THAP doma	protein-coding
chr16-696	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr16	69674851	69684958	+	0	NA	intron (N	AluY|SINE	28771	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr17-365	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr17	36577699	36588780	+	0	NA	intron (N	AluSc|SIN	-8640	NM_024308	79154	Hs.462859	NM_024308	ENSG00000	DHRS11	ARPG836|S	dehydroge	protein-coding
chr17-579	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr17	57973659	57974864	+	0	NA	3’ UTR (N	3’ UTR (N	13993	NM_007146	7716	Hs.463569	NM_007146	ENSG00000	VEZF1	DB1|ZNF16	vascular	protein-coding
chr17-751	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr17	75143000	75148489	+	0	NA	intron (N	HY1|scRNA	7549	NM_001288	51155	Hs.532803	NM_016185	ENSG00000	JPT1	ARM2|HN1|	Jupiter m	protein-coding
chr18-260	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr18	26031566	26036054	+	0	NA	intron (N	intron (N	56803	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr19-212	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr19	2122665	2123761	+	0	NA	intron (N	intron (N	26298	NM_001039	113177	Hs.424049	NM_052878	ENSG00000	IZUMO4	C19orf36|	IZUMO fam	protein-coding
chr19-165	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr19	16552905	16555178	+	0	NA	intron (N	AluSz6|SI	-11604	NM_006387	10523	Hs.740364	NM_006387	ENSG00000	CHERP	DAN16|SCA	calcium b	protein-coding
chr19-406	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr19	40622785	40624674	+	0	NA	exon (NM_	exon (NM_	22360	NM_001042	8425	Hs.466766	NM_003573	ENSG00000	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr2-5391	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	53919737	53925854	+	0	NA	intron (N	intron (N	48198	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr2-9511	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	95112039	95115194	+	0	NA	intron (N	intron (N	7941	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochond	protein-coding
chr2-1179	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	75094	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr2-1495	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-7920	NR_110240	1.02E+08	Hs.5324	NR_110240	ENSG00000	LOC101929	-	uncharact	ncRNA
chr2-1573	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	15854	NM_001304	57471	Hs.443894	NM_020711	ENSG00000	ERMN	JN|KIAA11	ermin	protein-coding
chr2-2034	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx3|SI	77030	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr20-319	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr20	3197510	3197919	+	0	NA	intron (N	AluSx|SIN	6968	NM_023935	65992	Hs.471975	NM_023935	ENSG00000	DDRGK1	C20orf116	DDRGK dom	protein-coding
chr20-343	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr20	34369318	34373928	+	0	NA	intron (N	intron (N	8350	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIP	itchy E3	protein-coding
chr21-316	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr21	31691176	31694928	+	0	NA	intron (N	intron (N	33430	NM_000454	6647	Hs.443914	NM_000454	ENSG00000	SOD1	ALS|ALS1|	superoxid	protein-coding
chr22-408	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr22	40837861	40840973	+	0	NA	intron (N	intron (N	17222	NM_003932	6767	Hs.712713	NM_003932	ENSG00000	ST13	AAG2|FAM1	ST13 Hsp7	protein-coding
chr3-4346	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr3	43462705	43463302	+	0	NA	intron (N	THE1B-int	-111041	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr3-4871	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr3	48710118	48713815	+	0	NA	intron (N	intron (N	5255	NM_001005	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr4-5542	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr4	55423189	55425726	+	0	NA	intron (N	intron (N	28500	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr4-6765	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr4	67658340	67662572	+	0	NA	intron (N	THE1D-int	40699	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr4-7580	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr4	75808603	75815645	+	0	NA	intron (N	intron (N	87602	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-3893	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr5	38931180	38935758	+	0	NA	3’ UTR (N	3’ UTR (N	87457	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-7998	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr5	79986735	79988310	+	0	NA	intron (N	intron (N	3740	NM_001167	345778	Hs.531418	NM_001010	ENSG00000	MTX3	-	metaxin 3	protein-coding
chr5-1346	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	43963	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr6-7210	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr6	7210898	7212016	+	0	NA	intron (N	intron (N	101742	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr7-4728	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr7	47280673	47291228	+	0	NA	intron (N	intron (N	178853	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-5514	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr7	55145847	55148381	+	0	NA	intron (N	intron (N	37275	NM_001346	1956	Hs.488293	NM_005228	ENSG00000	EGFR	ERBB|ERBB	epidermal	protein-coding
chr7-9202	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr7	92026509	92028050	+	0	NA	intron (N	SVA_A|Ret	86404	NM_005751	10142	Hs.651221	NM_005751	ENSG00000	AKAP9	AKAP-9|AK	A-kinase	protein-coding
chr8-6726	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr8	67260734	67263014	+	0	NA	intron (N	FLAM_C|SI	81907	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|B	ADP ribos	protein-coding
chr8-1250	9.383578	-0.10816	0.758752	-0.14255	0.886646	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSq2|SI	38433	NM_003129	6713	Hs.71465	NM_003129	ENSG00000	SQLE	-	squalene	protein-coding
chr11-475	9.597388	0.108205	0.759367	0.142494	0.88669	0.981636	chr11	47581260	47583539	+	0	NA	exon (NM_	exon (NM_	3325	NM_004551	4722	Hs.502528	NM_004551	ENSG00000	NDUFS3	CI-30|MC1	NADH:ubiq	protein-coding
chr5-7388	9.597388	0.108205	0.759367	0.142494	0.88669	0.981636	chr5	73885829	73886709	+	0	NA	intron (N	intron (N	72723	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr9-1372	9.597388	0.108205	0.759367	0.142494	0.88669	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	exon (NM_	exon (NM_	-4847	NM_017723	54863	Hs.495541	NM_017723	ENSG00000	TOR4A	C9orf167	torsin fa	protein-coding
chr15-904	7.663733	0.123309	0.865801	0.142422	0.886747	0.981636	chr15	90416449	90416648	+	0	NA	intron (N	L1PA5|LIN	28306	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr1-1087	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	MER33|DNA	48892	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-1131	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	39217	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr1-1715	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-57975	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr11-740	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr11	74082102	74084949	+	0	NA	intron (N	L1PA6|LIN	-74288	NM_022803	7352	Hs.101337	NM_003356	ENSG00000	UCP3	SLC25A9	uncouplin	protein-coding
chr16-574	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr16	57439184	57441657	+	0	NA	intron (N	MER11B|LT	6965	NM_020313	57019	Hs.4900	NM_020313	ENSG00000	CIAPIN1	Anamorsin	cytokine	protein-coding
chr20-185	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr20	18510065	18513158	+	0	NA	intron (N	intron (N	3671	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr3-1216	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	HAL1|LINE	-24043	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr7-4292	8.435241	-0.11405	0.801446	-0.14231	0.886837	0.981636	chr7	42924725	42925836	+	0	NA	intron (N	intron (N	6894	NM_002787	5683	Hs.333786	NM_002787	ENSG00000	PSMA2	HC3|MU|PM	proteasom	protein-coding
chr11-114	9.679667	0.111052	0.78097	0.142198	0.886924	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	TTS (NM_0	TTS (NM_0	16800	NM_006169	4837	Hs.503911	NM_006169	ENSG00000	NNMT	-	nicotinam	protein-coding
chr14-774	9.167363	0.112821	0.7961	0.141717	0.887304	0.981636	chr14	77453063	77453475	+	0	NA	intron (N	intron (N	4332	NM_001193	63894	Hs.16157	NM_022067	ENSG00000	VIPAS39	C14orf133	VPS33B in	protein-coding
chr2-1135	7.940503	-0.11849	0.836439	-0.14166	0.887349	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	MLT1F|LTR	-17326	NR_026821	654412	Hs.640260	NR_026821	ENSG00000	FAM138B	F379|bA39	family wi	ncRNA
chr3-1506	7.940503	-0.11849	0.836439	-0.14166	0.887349	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	8791	NM_016275	51714	Hs.369052	NM_016275	ENSG00000	SELENOT	SELT	selenopro	protein-coding
chr3-9987	10.58871	0.10263	0.724973	0.141564	0.887425	0.981636	chr3	99870531	99871162	+	0	NA	intron (N	intron (N	5327	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr4-1828	10.67099	0.105273	0.743662	0.14156	0.887428	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26307	NM_001351	1635	Hs.183850	NM_001921	ENSG00000	DCTD	-	dCMP deam	protein-coding
chr1-6657	10.11755	0.105267	0.743626	0.14156	0.887428	0.981636	chr1	66573510	66573757	+	0	NA	intron (N	L1PA13|LI	39480	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chrX-1560	9.886174	-0.10627	0.751006	-0.1415	0.887472	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	Intergeni	Intergeni	-5432	NR_138048	1E+08		NR_138048	ENSG00000	WASIR1	NCRNA0028	WASH and	ncRNA
chr10-119	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	AluJb|SIN	12138	NM_007190	11196	Hs.435004	NM_007190	ENSG00000	SEC23IP	MSTP053|P	SEC23 int	protein-coding
chr11-303	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr11	3031704	3040008	+	0	NA	intron (N	MER68B|LT	6462	NR_046580	1.01E+08	Hs.274873	NR_046580	ENSG00000	CARS-AS1	-	CARS anti	ncRNA
chr11-377	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr11	3772848	3775680	+	0	NA	intron (N	AluSx3|SI	23282	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr14-345	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr14	34577894	34578835	+	0	NA	intron (N	AluSz|SIN	-21975	NR_004400	26863		NR_004400	ENSG00000	RNVU1-18	RNU1-25|R	RNA, vari	snRNA
chr14-351	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr14	35107331	35113232	+	0	NA	intron (N	MER5B|DNA	12261	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr14-501	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr14	50110858	50111870	+	0	NA	intron (N	intron (N	5208	NR_049739	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr14-512	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr14	51247164	51252142	+	0	NA	intron (N	intron (N	9406	NM_030755	81542	Hs.125221	NM_030755	ENSG00000	TMX1	PDIA11|TM	thioredox	protein-coding
chr15-735	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr15	73567174	73571326	+	0	NA	non-codin	non-codin	293	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr17-263	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr17	2638076	2640973	+	0	NA	intron (N	intron (N	45870	NM_000430	5048	Hs.77318	NM_000430	ENSG00000	PAFAH1B1	LIS1|LIS2	platelet	protein-coding
chr17-358	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr17	35834881	35840583	+	0	NA	intron (N	AluY|SINE	28248	NM_139215	8148	Hs.402752	NM_003487	ENSG00000	TAF15	Npl3|RBP5	TATA-box	protein-coding
chr17-619	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr17	61920715	61921677	+	0	NA	intron (N	L1ME4a|LI	6786	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr19-342	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr19	34229108	34230074	+	0	NA	TTS (NM_0	TTS (NM_0	-24963	NM_014686	9710	Hs.330073	NM_014686	ENSG00000	KIAA0355	-	KIAA0355	protein-coding
chr2-3652	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr2	36521502	36524878	+	0	NA	intron (N	intron (N	74978	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr21-345	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr21	34516049	34521950	+	0	NA	intron (N	MIR|SINE|	5638	NM_001285	1827	Hs.282326	NM_004414	ENSG00000	RCAN1	ADAPT78|C	regulator	protein-coding
chr3-5842	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr3	58422470	58431848	+	0	NA	TTS (NM_0	TTS (NM_0	6673	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr4-5754	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr4	5754252	5758246	+	0	NA	intron (N	intron (N	45048	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-5786	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr4	5786539	5788411	+	0	NA	intron (N	MLT1D|LTR	76274	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-7887	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr4	78870569	78874176	+	0	NA	intron (N	intron (N	67066	NM_001040	152559	Hs.657312	NM_177453	ENSG00000	PAQR3	RKTG	progestin	protein-coding
chr7-2319	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr7	23192526	23194229	+	0	NA	intron (N	LTR12C|LT	11329	NM_001370	11097	Hs.408241	NM_007342	ENSG00000	NUP42	CG1|NLP-1	nucleopor	protein-coding
chr7-1521	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	63672	NM_001371474								
chr9-1243	8.929979	-0.10991	0.778025	-0.14126	0.887661	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-4746	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr5-1510	7.9895	-0.11784	0.835178	-0.1411	0.887791	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	16434	NM_001258	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr1-2126	8.655059	0.114799	0.814199	0.140996	0.887873	0.981636	chr1	21260266	21260556	+	0	NA	intron (N	MIRb|SINE	19204	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr15-399	8.61392	0.113269	0.803555	0.14096	0.887901	0.981636	chr15	39976857	39977210	+	0	NA	intron (N	AluSz6|SI	42918	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr1-1199	10.06855	0.105168	0.746199	0.140938	0.887919	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	-29147	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr2-9626	10.06855	0.105168	0.746199	0.140938	0.887919	0.981636	chr2	96268116	96268501	+	0	NA	intron (N	AluSx|SIN	2083	NM_004804	9391	Hs.12109	NM_004804	ENSG00000	CIAO1	CIA1|WDR3	cytosolic	protein-coding
chr9-3573	9.878316	-0.10479	0.745655	-0.14053	0.888243	0.981636	chr9	35734773	35737326	+	0	NA	TTS (NM_0	TTS (NM_0	3127	NR_106912	1.02E+08		NR_106912	ENSG00000	MIR6853	hsa-mir-6	microRNA	ncRNA

chr3-1848	8.880982	-0.11041	0.785866	-0.1405	0.888267	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	43176	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr6-5649	8.880982	-0.11041	0.785866	-0.1405	0.888267	0.981636	chr6	56490963	56493654	+	0	NA	exon (NM_	exon (NM_	-98180	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FF	collagen	protein-coding
chr1-1614	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr1	16146830	16149568	+	0	NA	intron (N	intron (N	7870	NM_001329	1969	Hs.171596	NM_004431	ENSG00000	EPHA2	ARCC2|CTF	EPH recep	protein-coding
chr10-100	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-22586	NM_017893	57715	Hs.591923	NM_017893	ENSG00000	SEMA4G	-	semaphori	protein-coding
chr11-433	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr11	43328637	43332613	+	0	NA	intron (N	intron (N	18629	NM_001142	8539	Hs.435771	NM_006595	ENSG00000	API5	AAC-11|AA	apoptosis	protein-coding
chr11-627	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr11	62710786	62712343	+	0	NA	intron (N	intron (N	-1945	NR_037948	26580	Hs.533709	NM_032667	ENSG00000	BSCL2	GNG3LG|HM	BSCL2 lip	protein-coding
chr12-462	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr12	46202780	46204529	+	0	NA	intron (N	intron (N	62862	NM_001278	81539	Hs.533770	NM_030674	ENSG00000	SLC38A1	ATA1|NAT2	solute ca	protein-coding
chr12-962	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr12	96298436	96300752	+	0	NA	intron (N	AluSq4|SI	44096	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr13-331	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr13	33115181	33120198	+	0	NA	3’ UTR (N	3’ UTR (N	68402	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr14-306	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr14	30653084	30654630	+	0	NA	intron (N	intron (N	31538	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr15-762	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr15	76230912	76231548	+	0	NA	intron (N	intron (N	28922	NR_028510	7302	Hs.684881	NR_002721		TYRO3P	-	TYRO3P pr	pseudo
chr17-321	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr17	32174953	32180480	+	0	NA	intron (N	AluY|SINE	-26145	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr2-2350	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	9373	NM_001371306								
chr20-367	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr20	36793205	36793659	+	0	NA	exon (NM_	exon (NM_	-19669	NM_001145	79980	Hs.632268	NM_024918	ENSG00000	DSN1	C20orf172	DSN1 comp	protein-coding
chr20-499	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr20	49951542	49954515	+	0	NA	3’ UTR (N	3’ UTR (N	16631	NM_018683	55905	Hs.144949	NM_018683	ENSG00000	RNF114	PSORS12|Z	ring fing	protein-coding
chr3-4792	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr3	47926092	47928184	+	0	NA	intron (N	AluSx1|SI	77583	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr5-7534	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr5	75344579	75349001	+	0	NA	intron (N	AluSx1|SI	9570	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr6-7523	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr6	75237156	75241056	+	0	NA	intron (N	AluSx|SIN	4695	NR_158783	1347	Hs.70312	NM_001865	ENSG00000	COX7A2	COX7AL|CC	cytochrom	protein-coding
chr9-2690	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr9	26905202	26906004	+	0	NA	exon (NM_	exon (NM_	-12775	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr9-9765	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr9	97651831	97659489	+	0	NA	intron (N	intron (N	21839	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCE	nuclear c	protein-coding
chr9-1101	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	35158	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr9-1105	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	76988	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vc	protein-coding
chr9-1322	9.37572	-0.10669	0.759918	-0.1404	0.888343	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	90911	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr2-2030	9.829319	-0.10531	0.750333	-0.14036	0.888379	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	Charlie4a	63953	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr14-582	8.427383	-0.11234	0.806117	-0.13936	0.889166	0.981636	chr14	58232444	58233211	+	0	NA	intron (N	intron (N	-11978	NR_038123	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr2-9859	8.427383	-0.11234	0.806117	-0.13936	0.889166	0.981636	chr2	98599595	98600094	+	0	NA	3’ UTR (N	3’ UTR (N	8668	NM_001008	493753	Hs.596537	NM_001008	ENSG00000	COA5	6330578E1	cytochrom	protein-coding
chr22-201	8.427383	-0.11234	0.806117	-0.13936	0.889166	0.981636	chr22	20119360	20122541	+	0	NA	intron (N	intron (N	3205	NM_001278	5902	Hs.24763	NM_002882	ENSG00000	RANBP1	HTF9A	RAN bindi	protein-coding
chr7-1285	8.427383	-0.11234	0.806117	-0.13936	0.889166	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	L2a|LINE|	-58728	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr1-9284	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr1	92849583	92850588	+	0	NA	intron (N	AluJo|SIN	9366	NR_002444	26782	Hs.180946	NR_002444	ENSG00000	SNORA66	RNU66|U66	small nuc	snoRNA
chr1-1130	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	(T)n|Simp	26367	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr1-1147	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	exon (NM_	exon (NM_	-9449	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr10-119	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-4643	NM_213649	119559	Hs.655168	NM_178867	ENSG00000	SFXN4	BCRM1|COX	siderofle	protein-coding
chr12-158	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr12	15898043	15905240	+	0	NA	intron (N	intron (N	-9691	NM_001300	51071	Hs.39429	NM_015954	ENSG00000	DERA	CGI-26|DE	deoxyribo	protein-coding
chr12-106	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	3133	NM_001319	90488	Hs.257664	NM_152261	ENSG00000	TMEM263	C12orf23	transmemb	protein-coding
chr13-302	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr13	30279474	30280130	+	0	NA	intron (N	intron (N	27209	NM_001014	84056	Hs.243596	NM_032116	ENSG00000	KATNAL1	-	katanin c	protein-coding
chr14-306	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr14	30602070	30603404	+	0	NA	intron (N	AluJr|SIN	-19517	NM_001283	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr16-649	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr16	64970725	64973098	+	0	NA	intron (N	intron (N	150152	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr17-324	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr17	32446970	32450103	+	0	NA	intron (N	AluSq2|SI	4026	NM_002815	5717	Hs.443379	NM_002815	ENSG00000	PSMD11	Rpn6|S9|p	proteasom	protein-coding
chr19-101	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr19	10107851	10111293	+	0	NA	promoter-	promoter-	-177	NR_003688	1E+08		NR_003688	ENSG00000	SNORD105B	-	small nuc	snoRNA
chr2-8504	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr2	85047911	85050885	+	0	NA	exon (NM_	exon (NM_	17949	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr2-1743	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13374	NM_001145	1E+08		NM_001145	ENSG00000	SP9	ZNF990	Sp9 trans	protein-coding
chr2-2162	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-11076	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr4-2642	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr4	26429086	26431134	+	0	NA	intron (N	intron (N	60374	NM_000730	886	Hs.129	NM_000730	ENSG00000	CCKAR	CCK-A|CCK	cholecyst	protein-coding
chr4-3889	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr4	38894336	38900775	+	0	NA	intron (N	intron (N	29523	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-4202	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr4	42021229	42024281	+	0	NA	intron (N	intron (N	32225	NM_006345	10463	Hs.479634	NM_006345	ENSG00000	SLC30A9	BILAPES|C	solute ca	protein-coding
chr4-1186	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	656	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr8-1939	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr8	19393389	19396239	+	0	NA	non-codin	non-codin	80838	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-1334	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	112990	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1113	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSz|SIN	-35256	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRH0	olfactory	protein-coding
chrX-4647	8.922121	-0.10837	0.777842	-0.13932	0.889201	0.981636	chrX	46470910	46473958	+	0	NA	intron (N	intron (N	25137	NM_001129	55634	Hs.632800	NM_017776	ENSG00000	KRBOX4	ZNF673	KRAB box	protein-coding
chr3-1225	10.07641	0.103727	0.745048	0.139221	0.889275	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-13508	NM_002264	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr1-2147	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr1	21477291	21479755	+	0	NA	intron (N	intron (N	-30461	NM_001369	249	Hs.75431	NM_000478	ENSG00000	ALPL	AP-TNAP|A	alkaline	protein-coding
chr11-467	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr11	46767020	46771174	+	0	NA	intron (N	AluSz|SIN	-6598	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr13-951	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr13	95162518	95167029	+	0	NA	intron (N	AluSq|SIN	-45571	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-229	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr14	22972569	22975046	+	0	NA	intron (N	intron (N	3035	NM_198086	84962	Hs.655832	NM_032876	ENSG00000	AJUBA	JUB	ajuba LIM	protein-coding
chr15-489	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr15	48990405	48993290	+	0	NA	3’ UTR (N	3’ UTR (N	-27928	NM_203349	399694	Hs.642615	NM_203349	ENSG00000	SHC4	RaLP|SHCD	SHC adapt	protein-coding
chr16-880	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr16	8800187	8817062	+	0	NA	intron (N	intron (N	10785	NM_000303	5373	Hs.625732	NM_000303	ENSG00000	PMM2	CDG1|CDG1	phosphoma	protein-coding
chr19-387	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr19	38704297	38706989	+	0	NA	intron (N	intron (N	38831	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr7-4736	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr7	47368254	47369492	+	0	NA	exon (NM_	exon (NM_	95930	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-3823	9.870458	-0.10335	0.742917	-0.13911	0.889362	0.981636	chr8	38237897	38238350	+	0	NA	exon (NM_	exon (NM_	6170	NM_001164	23259	Hs.434966	NM_015214	ENSG00000	DDHD2	SAMWD1|SF	DDHD doma	protein-coding
chr1-2581	9.424717	-0.1062	0.763635	-0.13907	0.889396	0.981636	chr1	25811642	25812019	+	0	NA	exon (NM_	exon (NM_	-8076	NM_001099	56181	Hs.149305	NM_019557	ENSG00000	MTFR1L	FAM54B|HY	mitochond	protein-coding
chr16-225	9.424717	-0.1062	0.763635	-0.13907	0.889396	0.981636	chr16	22515306	22518005	+	0	NA	intron (N	intron (N	3132	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr3-1837	9.424717	-0.1062	0.763635	-0.13907	0.889396	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	49063	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr6-1201	9.424717	-0.1062	0.763635	-0.13907	0.889396	0.981636	chr6	12017164	12018527	+	0	NA	intron (N	LTR12C|LT	5533	NM_002114	3096	Hs.567284	NM_002114	ENSG00000	HIVEP1	CIRIP|CRY	human imm	protein-coding
chr7-9220	9.424717	-0.1062	0.763635	-0.13907	0.889396	0.981636	chr7	92207140	92207751	+	0	NA	intron (N	L1MA4|LIN	-3347	NR_031616	1E+08		NR_031616	ENSG00000	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr14-101	8.386244	-0.11437	0.823775	-0.13884	0.889578	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	5258	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT2O|DHC	dynein cy	protein-coding
chr12-100	6.126821	0.133901	0.965659	0.138663	0.889717	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	FLAM_A|SI	10311	NR_048568	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr20-414	7.630451	0.11947	0.861797	0.138629	0.889744	0.981636	chr20	41439783	41440079	+	0	NA	intron (N	intron (N	-73113	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chr6-4296	7.630451	0.11947	0.861797	0.138629	0.889744	0.981636	chr6	42969133	42969407	+	0	NA	intron (N	intron (N	8516	NM_018960	27232	Hs.144914	NM_018960	ENSG00000	GNMT	HEL-S-182	glycine N	protein-coding
chr4-1139	10.12541	0.103662	0.750783	0.138072	0.890184	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	76448	NM_001354	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr1-3540	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr1	35407769	35409788	+	0	NA	intron (N	L1ME3G|LI	-42701	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr11-595	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr11	59579304	59581556	+	0	NA	intron (N	intron (N	14728	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr12-506	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr12	50695373	50696352	+	0	NA	exon (NM_	exon (NM_	-68239	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatir	protein-coding
chr12-121	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	5055	NM_001353	23067	Hs.507122	NM_015048	ENSG00000	SETD1B	KMT2G|Set	SET domai	protein-coding
chr16-889	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr16	8894798	8895745	+	0	NA	intron (N	intron (N	-26259	NM_001278	23589	Hs.632184	NM_014316	ENSG00000	CARHSP1	CRHSP-24|	calcium r	protein-coding
chr17-283	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr17	28339944	28346605	+	0	NA	intron (N	intron (N	7513	NM_021137	7126	Hs.76090	NM_021137	ENSG00000	TNFAIP1	B12|B61|E	TNF alpha	protein-coding
chr17-295	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr17	29502067	29505404	+	0	NA	intron (N	AluJb|SIN	63302	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-470	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr17	47064222	47064922	+	0	NA	Intergeni	AluSc|SIN	-85319	NM_203400	388394	Hs.367999	NM_203400	ENSG00000	RPRML	-	reprimo l	protein-coding
chr17-673	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr17	67345234	67352378	+	0	NA	intron (N	AluJo|SIN	17771	NM_002816	5718	Hs.4295	NM_002816	ENSG00000	PSMD12	Rpn5|STIS	proteasom	protein-coding
chr19-109	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr19	1091477	1092340	+	0	NA	intron (N	intron (N	3467	NM_002695	5434	Hs.24301	NM_002695	ENSG00000	POLR2E	RPABC1|RF	RNA polym	protein-coding
chr19-469	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr19	4699569	4704280	+	0	NA	intron (N	intron (N	21918	NR_158699	91039	Hs.515081	NM_139159	ENSG00000	DPP9	DP9|DPLP9	dipeptidy	protein-coding
chr19-371	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr19	37163988	37170670	+	0	NA	intron (N	AluSx3|SI	5107	NM_199126	199704	Hs.659236	NM_152655	ENSG00000	ZNF585A	-	zinc fing	protein-coding
chr2-9851	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr2	9851574	9856285	+	0	NA	intron (N	MIR3|SINE	10455	NM_005680	9014	Hs.584833	NM_005680	ENSG00000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr2-8645	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr2	86456641	86458459	+	0	NA	intron (N	intron (N	16089	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr22-305	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr22	30586065	30589396	+	0	NA	intron (N	intron (N	4180	NM_001243	23481	Hs.517543	NM_014303	ENSG00000	PES1	NOP7|PES	pescadill	protein-coding
chr22-414	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr22	41460786	41467726	+	0	NA	intron (N	intron (N	4436	NM_032758	84844	Hs.474980	NM_032758	ENSG00000	PHF5A	INI|Rds3|P	PHD finge	protein-coding
chr3-1275	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	1159	NR_106883	1.02E+08		NR_106883	ENSG00000	MIR6825	hsa-mir-6	microRNA	ncRNA
chr5-1405	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-21790	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-3141	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr6	31411708	31418194	+	0	NA	intron (N	intron (N	11356	NM_001177	1.01E+08	Hs.130838	NM_000247	ENSG00000	MICA	MIC-A|PER	MHC class	protein-coding
chr6-3378	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr6	33782724	33784682	+	0	NA	intron (N	intron (N	3239	NM_001143	221496	Hs.444845	NM_181336	ENSG00000	LEMD2	CTRCT42|L	LEM domai	protein-coding
chr6-1086	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	-86924	NR_033376	387111	Hs.520310	NR_033376	ENSG00000	LINC00222	C6orf181|	long inte	ncRNA
chr9-1329	9.41686	-0.10472	0.75933	-0.13791	0.890309	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	32267	NM_001316	11092	Hs.62595	NM_018956	ENSG00000	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chr12-424	9.367862	-0.10522	0.763845	-0.13775	0.890434	0.981636	chr12	42459034	42460946	+	0	NA	exon (NM_	exon (NM_	23625	NM_001144	144165	Hs.524348	NM_153026	ENSG00000	PRICKLE1	EPM1B|RIL	prickle p	protein-coding
chr7-1557	9.821461	-0.10394	0.755313	-0.13762	0.890543	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	68988	NR_132318	6469	Hs.164537	NM_000193	ENSG00000	SHH	HHG1|HLP3	sonic hed	protein-coding
chr1-2173	11.11673	0.098759	0.717795	0.137587	0.890567	0.981636	chr1	21733083	21733336	+	0	NA	intron (N	AluSz|SIN	49940	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitir	protein-coding
chr5-1549	8.621777	0.111375	0.810825	0.13736	0.890746	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSz6|SI	18298	NM_001014	29093	Hs.483924	NM_014180	ENSG00000	MRPL22	HSPC158|I	mitochond	protein-coding
chr1-6703	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr1	67039637	67041800	+	0	NA	intron (N	L2a|LINE|	13430	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-2044	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6330	NM_032833	84919	Hs.304376	NM_032833	ENSG00000	PPP1R15B	CREP|MSSG	protein p	protein-coding
chr1-2200	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	HAL1|LINE	30518	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr13-484	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr13	48465088	48466708	+	0	NA	intron (N	L1HS|LINE	-21229	NM_005767	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr2-3712	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr2	37124759	37126213	+	0	NA	intron (N	MLT1G3|LT	22336	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr2-1909	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	Tigger2a|	20542	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr2-2161	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	-18726	NR_037701	150967	Hs.56876	NM_001199	ENSG00000	LINC01963	PKI55	long inte	ncRNA
chr22-404	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr22	40425261	40425595	+	0	NA	intron (N	intron (N	38012	NM_001282	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardir	protein-coding
chr3-1612	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	3’ UTR (N	3’ UTR (N	30556	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr3-1962	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21460	NM_152672	200931	Hs.630585	NM_152672	ENSG00000	SLC51A	OSTA|OSTa	solute ca	protein-coding
chr4-1450	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	L1ME1|LIN	2939	NM_001318	10393	Hs.480876	NM_014885	ENSG00000	ANAPC10	APC10|DOC	anaphase	protein-coding
chr7-7760	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr7	77606043	77608439	+	0	NA	exon (NM_	exon (NM_	69198	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr8-1301	9.8626	-0.10194	0.742717	-0.13726	0.890829	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-42796	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr1-1863	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	3683	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr1-2073	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	4455	NR_125349	1604	Hs.126517	NM_000574	ENSG00000	CD55	CHAPLE|CR	CD55 mole	protein-coding
chr12-128	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr12	1.29E+08	1.29E+08	+	0	NA	intron (N	L1M5|LINE	19773	NM_145648	121260	Hs.507260	NM_145648	ENSG00000	SLC15A4	FP12591|P	solute ca	protein-coding
chr16-188	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr16	18867959	18869493	+	0	NA	intron (N	intron (N	57678	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr17-999	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr17	999455	1001408	+	0	NA	intron (N	intron (N	3302	NM_013337	29928	Hs.745034	NM_013337	ENSG00000	TIMM22	TEX4|TIM2	transloca	protein-coding
chr19-576	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr19	57698852	57699141	+	0	NA	non-codin	non-codin	10208	NR_110974	7710	Hs.646378	NM_003444	ENSG00000	ZNF154	pHZ-92	zinc fing	protein-coding
chr3-2739	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr3	27397133	27398656	+	0	NA	intron (N	intron (N	-28434	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-1224	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA6|LIN	32207	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr6-1472	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	AluJr|SIN	-13922	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr7-6695	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr7	66954527	66956087	+	0	NA	intron (N	intron (N	34082	NM_017994	55069	Hs.488478	NM_017994	ENSG00000	TMEM248	C7orf42	transmemb	protein-coding
chr8-1230	8.914263	-0.10679	0.780603	-0.13681	0.891184	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10628	NM_001363	79139	Hs.241576	NM_024295	ENSG00000	DERL1	DER-1|DER	derlin 1	protein-coding
chr17-547	12.6615	0.095077	0.695093	0.136783	0.891202	0.981636	chr17	5474301	5474730	+	0	NA	non-codin	non-codin	5423	NR_135644	1.05E+08	Hs.242774	NR_135644	ENSG00000	LOC105371	-	uncharact	ncRNA
chr14-583	9.326722	-0.10729	0.78488	-0.13669	0.891274	0.981636	chr14	58348932	58349213	+	0	NA	intron (N	L1MB3|LIN	-46858	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr6-1121	8.468523	-0.11009	0.806191	-0.13655	0.891383	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	Charlie13	23936	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding

chr22-240	7.973785	-0.11424	0.838389	-0.13627	0.891611	0.981636	chr22	24083208	24083424	+	0	NA	exon (NM_	exon (NM_	71946	NM_001199	23523	Hs.517478	NM_012295	ENSG00000	CABIN1	CAIN|KB-3	calcineur	protein-coding
chr1-4270	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr1	42700161	42704576	+	0	NA	non-codin	non-codin	19232	NR_132737	4904	Hs.473583	NM_004559	ENSG00000	YBX1	BP-8|CBF-	Y-box bin	protein-coding
chr1-1131	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	44262	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr1-2018	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSx1|SI	9887	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr10-102	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq|SIN	6663	NM_004741	9221	Hs.523238	NM_004741	ENSG00000	NOLC1	NOPP130|N	nucleolar	protein-coding
chr11-107	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr11	10771897	10776850	+	0	NA	intron (N	intron (N	23127	NM_001346	9646	Hs.725151	NM_014633	ENSG00000	CTR9	SH2BP1|TS	CTR9 homo	protein-coding
chr11-111	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	13951	NM_002716	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr12-107	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr12	10705939	10710720	+	0	NA	intron (N	intron (N	14994	NM_003651	8531	Hs.221889	NM_003651	ENSG00000	YBX3	CSDA|CSDA	Y-box bin	protein-coding
chr12-640	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr12	64047984	64050375	+	0	NA	intron (N	L1MA3|LIN	173117	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr12-122	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSq2|SI	21786	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr13-413	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr13	41361722	41363185	+	0	NA	intron (N	intron (N	-50415	NM_001354	9617	Hs.382176	NM_004294	ENSG00000	MTRF1	MRF1|MTTF	mitochond	protein-coding
chr13-110	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	25219	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr14-212	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr14	21258601	21266232	+	0	NA	intron (N	intron (N	7063	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heterogen	protein-coding
chr16-118	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr16	11836994	11842707	+	0	NA	exon (NM_	exon (NM_	-11018	NR_024050	400500	Hs.24611	NR_024049	ENSG00000	BCAR4	-	breast ca	ncRNA
chr17-307	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr17	30790810	30792610	+	0	NA	non-codin	non-codin	32982	NM_015986	51379	Hs.649372	NM_015986	ENSG00000	CRLF3	CREME-9|C	cytokine	protein-coding
chr17-450	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr17	45093879	45100747	+	0	NA	intron (N	intron (N	17120	NR_106842	1.02E+08		NR_106842	ENSG00000	MIR6784	hsa-mir-6	microRNA	ncRNA
chr17-624	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr17	62446591	62446942	+	0	NA	intron (N	intron (N	22881	NM_181725	339175	Hs.381204	NM_181725	ENSG00000	METTL2A	METTL2	methyltra	protein-coding
chr17-815	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr17	81563955	81566264	+	0	NA	intron (N	intron (N	1493	NR_130140	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homo	protein-coding
chr18-510	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr18	51078216	51079335	+	0	NA	3' UTR (N	3' UTR (N	48562	NM_005359	4089	Hs.75862	NM_005359	ENSG00000	SMAD4	DPC4|JIP|	SMAD fami	protein-coding
chr2-3387	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr2	3387666	3390132	+	0	NA	intron (N	intron (N	9205	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr2-3544	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr2	3544482	3552164	+	0	NA	intron (N	L2b|LINE|	10010	NM_001286	246243	Hs.568006	NM_002936	ENSG00000	RNASEH1	H1RNA|PEC	ribonucle	protein-coding
chr2-1999	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	-5643	NM_001039	129450	Hs.204619	NM_152382	ENSG00000	TYW5	C2orf60|h	tRNA-yW s	protein-coding
chr2-2381	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluY|SINE	14407	NM_030768	80895	Hs.92033	NM_030768	ENSG00000	ILKAP	ILKAP2|II	ILK assoc	protein-coding
chr20-345	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr20	34529206	34531032	+	0	NA	5' UTR (N	5' UTR (N	13735	NM_014183	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr20-573	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr20	57353971	57357736	+	0	NA	intron (N	intron (N	3645	NM_001190	1E+08		NM_001190	ENSG00000	MTRNR2L3	HN3	MT-RNR2 l	protein-coding
chr3-2743	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr3	27432618	27442763	+	0	NA	intron (N	intron (N	19088	NM_001258	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr3-1324	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	76492	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr4-8806	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr4	88065566	88066376	+	0	NA	intron (N	intron (N	58336	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr4-1689	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	AluSx4|SI	81296	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-3490	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr5	34909198	34912431	+	0	NA	intron (N	intron (N	4690	NR_026591	5810	Hs.38114	NM_002853	ENSG00000	RAD1	HRAD1|REC	RAD1 chec	protein-coding
chr5-5526	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr5	55261730	55263376	+	0	NA	non-codin	non-codin	-28836	NR_125347	10309	Hs.3041	NM_021147	ENSG00000	CCNO	CCNU|CILD	cyclin O	protein-coding
chr5-1379	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	52406	NM_014386	27039	Hs.716884	NM_014386	ENSG00000	PKD2L2	TRPP5	polycysti	protein-coding
chr5-1495	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MA4|LIN	26643	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr6-7293	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr6	7293270	7310025	+	0	NA	intron (N	MER117|DN	11552	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-2838	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr6	28389287	28393767	+	0	NA	non-codin	non-codin	7239	NM_001368	9753	Hs.134816	NM_014724	ENSG00000	ZSCAN12	ZFP96|ZNF	zinc fing	protein-coding
chr7-6406	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr7	6406448	6417645	+	0	NA	intron (N	AluSx1|SI	35908	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr7-1032	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	Charlie7a	4921	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr7-1055	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSq2|SI	5628	NM_021930	60561	Hs.531388	NM_021930	ENSG00000	RINT1	RINT-1	RAD50 int	protein-coding
chr8-6708	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr8	67080516	67081072	+	0	NA	intron (N	MER21C|LT	-3054	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr9-1275	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	57400	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr9-1275	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	40885	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr9-1333	9.409002	-0.10326	0.757781	-0.13626	0.891614	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	7836	NM_001278	6835	Hs.159448	NM_017503	ENSG00000	SURF2	SURF-2	surfeit 2	protein-coding
chr12-694	10.35734	-0.09904	0.729365	-0.13579	0.891989	0.981636	chr12	69487023	69488279	+	0	NA	intron (N	Tigger1|D	17263	NM_001278	10818	Hs.593446	NM_006654	ENSG00000	FRS2	FRS1A|FRS	fibroblas	protein-coding
chr13-237	7.061292	0.123788	0.912556	0.13565	0.892098	0.981636	chr13	23780309	23780596	+	0	NA	intron (N	L1PA5|LIN	-108416	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr4-5693	9.911598	-0.10151	0.748712	-0.13558	0.89215	0.981636	chr4	56930521	56931949	+	0	NA	exon (NM_	exon (NM_	22322	NM_001193	5978	Hs.307836	NM_005612	ENSG00000	REST	DFNA27|GI	RE1 silen	protein-coding
chr4-1866	9.911598	-0.10151	0.748712	-0.13558	0.89215	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	40781	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr1-4357	8.963261	-0.10619	0.785121	-0.13525	0.892414	0.981636	chr1	43579031	43579564	+	0	NA	intron (N	intron (N	48414	NM_002840	5792	Hs.272062	NM_002840	ENSG00000	PTPRF	BNAH2|LAR	protein t	protein-coding
chr12-110	8.150613	0.114802	0.850508	0.13498	0.892628	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz6|SI	17959	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr1-2779	9.854742	-0.10055	0.745056	-0.13496	0.892647	0.981636	chr1	27793977	27795020	+	0	NA	intron (N	intron (N	21279	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr10-864	9.854742	-0.10055	0.745056	-0.13496	0.892647	0.981636	chr10	86499061	86500302	+	0	NA	intron (N	MER44A|DN	22103	NM_001318	23063	Hs.203099	NM_015045	ENSG00000	WAPL	FOE|KIAA0	WAPL cohe	protein-coding
chr16-693	9.854742	-0.10055	0.745056	-0.13496	0.892647	0.981636	chr16	69382057	69384481	+	0	NA	intron (N	Tigger4a|	2738	NM_005652	7014	Hs.63335	NM_005652	ENSG00000	TERF2	TRBF2|TRF	telomeric	protein-coding
chr17-578	9.854742	-0.10055	0.745056	-0.13496	0.892647	0.981636	chr17	57846423	57846746	+	0	NA	intron (N	SVA_B|Ret	3460	NM_016070	51649	Hs.5836	NM_016070	ENSG00000	MRPS23	CGI-138|H	mitochond	protein-coding
chr8-3830	9.854742	-0.10055	0.745056	-0.13496	0.892647	0.981636	chr8	38304768	38305956	+	0	NA	exon (NM_	exon (NM_	-36130	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTF	phospholi	protein-coding
chr1-1656	9.90374	-0.10008	0.743375	-0.13462	0.89291	0.981636	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	16779	NM_001365	223	Hs.2533	NM_000696	ENSG00000	ALDH9A1	ALDH4|ALD	aldehyde	protein-coding
chr13-370	9.90374	-0.10008	0.743375	-0.13462	0.89291	0.981636	chr13	37033411	37040585	+	0	NA	intron (N	AluSz|SIN	22489	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr13-113	9.90374	-0.10008	0.743375	-0.13462	0.89291	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	promoter-	promoter-	-746	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA	ncRNA
chr18-874	9.90374	-0.10008	0.743375	-0.13462	0.89291	0.981636	chr18	8749034	8749535	+	0	NA	intron (N	intron (N	31903	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr8-2224	9.90374	-0.10008	0.743375	-0.13462	0.89291	0.981636	chr8	22247690	22252296	+	0	NA	intron (N	intron (N	4860	NM_001722	661	Hs.148342	NM_001722	ENSG00000	POLR3D	BN51T|RPC	RNA polym	protein-coding
chr2-9765	9.360004	-0.10373	0.770671	-0.1346	0.892931	0.981636	chr2	97654151	97654809	+	0	NA	Intergeni	Intergeni	8418	NM_001862	1329	Hs.1342	NM_001862	ENSG00000	COX5B	COXVB	cytochrom	protein-coding
chr7-1314	9.360004	-0.10373	0.770671	-0.1346	0.892931	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	Tigger1|D	74691	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr18-224	9.141939	0.107697	0.801652	0.134344	0.89313	0.981636	chr18	224411	224631	+	0	NA	intron (N	AluSx1|SI	43526	NM_005131	9984	Hs.712543	NM_005131	ENSG00000	THOC1	HPR1|P84|	THO compl	protein-coding
chr12-463	16.58003	-0.07915	0.589171	-0.13434	0.893133	0.981636	chr12	46359195	46372644	+	0	NA	intron (N	intron (N	6854	NM_001307	54407	Hs.221847	NM_018976	ENSG00000	SLC38A2	ATA2|PRO1	solute ca	protein-coding
chr1-2306	8.460665	-0.10841	0.807619	-0.13424	0.893216	0.981636	chr1	23069842	23070569	+	0	NA	intron (N	AluSz|SIN	25900	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr4-1135	8.460665	-0.10841	0.807619	-0.13424	0.893216	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	MLT1A0|LT	231147	NM_001321	817	Hs.144114	NM_001221	ENSG00000	CAMK2D	CAMKD	calcium/c	protein-coding
chr9-8631	8.460665	-0.10841	0.807619	-0.13424	0.893216	0.981636	chr9	86316300	86317128	+	0	NA	intron (N	intron (N	-34176	NM_030940	81689	Hs.449291	NM_030940	ENSG00000	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr2-6110	6.605843	0.125187	0.932623	0.134231	0.89322	0.981636	chr2	61105164	61105373	+	0	NA	intron (N	AluSx1|SI	39059	NM_001330	84542	Hs.468653	NM_032506	ENSG00000	KIAA1841	-	KIAA1841	protein-coding
chr19-126	10.34948	-0.09767	0.727978	-0.13417	0.893268	0.981636	chr19	12612456	12615380	+	0	NA	intron (N	intron (N	2998	NM_153358	163049	Hs.720677	NM_153358	ENSG00000	ZNF791	-	zinc fing	protein-coding
chr3-1978	10.34948	-0.09767	0.727978	-0.13417	0.893268	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	61747	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-5541	10.34948	-0.09767	0.727978	-0.13417	0.893268	0.981636	chr4	55415857	55419338	+	0	NA	intron (N	intron (N	21640	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr1-3563	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr1	35633602	35636441	+	0	NA	intron (N	AluSp|SIN	-3484	NM_001199	5690	Hs.471441	NM_002794	ENSG00000	PSMB2	HC7-I	proteasom	protein-coding
chr1-6704	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr1	67045634	67051742	+	0	NA	intron (N	intron (N	5460	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-2296	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	3' UTR (N	3' UTR (N	23891	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr12-110	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSq2|SI	9153	NM_016238	51434	Hs.719935	NM_016238	ENSG00000	ANAPC7	APC7	anaphase	protein-coding
chr12-123	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx1|SI	3000	NM_001324	387893	Hs.443735	NM_020382	ENSG00000	KMT5A	PR-Set7|F	lysine me	protein-coding
chr13-952	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr13	95231023	95233857	+	0	NA	intron (N	AluSg|SIN	22096	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr15-434	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr15	43437643	43438485	+	0	NA	intron (N	MSTD|LTR|	55092	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDF	tumor pro	protein-coding
chr16-187	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr16	18791906	18796249	+	0	NA	intron (N	AluSz6|SI	-3743	NM_001019	6210	Hs.370504	NM_001019	ENSG00000	RPS15A	DBA20|S15	ribosomal	protein-coding
chr16-531	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr16	53156424	53157431	+	0	NA	exon (NM_	exon (NM_	1001	NM_001308	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr16-847	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr16	84768180	84769326	+	0	NA	intron (N	intron (N	-51232	NM_031476	83716	Hs.513779	NM_031476	ENSG00000	CRISPLD2	CRISP11|L	cysteine	protein-coding
chr17-569	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr17	56902842	56908284	+	0	NA	intron (N	MER33|DNA	8486	NM_005082	7706	Hs.528952	NM_005082	ENSG00000	TRIM25	EFP|RNF14	tripartit	protein-coding
chr2-1992	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr2	19926625	19929703	+	0	NA	intron (N	MER9a2|LT	-26181	NM_001008	130502	Hs.591547	NM_001008	ENSG00000	TTC32	-	tetratric	protein-coding
chr2-2307	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L1MEc|LIN	75191	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr4-3949	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr4	39499453	39501791	+	0	NA	intron (N	intron (N	20367	NR_026854	401127	Hs.383197	NR_026854	ENSG00000	LOC401127	-	WD repeat	pseudo
chr5-7285	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr5	72853820	72859708	+	0	NA	intron (N	Tigger13a	8625	NM_001364	3842	Hs.482497	NM_002270	ENSG00000	TNPO1	IPO2|KPNB	transport	protein-coding
chr6-1552	9.401144	-0.10178	0.758944	-0.13411	0.893314	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	20255	NM_001001	49861	Hs.567491	NM_001001	ENSG00000	CLDN20	-	claudin 2	protein-coding
chr4-1690	10.56329	0.098214	0.733008	0.133987	0.893413	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	MSTB|LTR|	8530	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr1-4041	8.955403	-0.10467	0.781982	-0.13386	0.893516	0.981636	chr1	40413964	40414617	+	0	NA	intron (N	intron (N	17490	NM_001198	64744	Hs.15200	NM_022733	ENSG00000	SMAP2	SMAP1L	small Arf	protein-coding
chr9-1104	8.955403	-0.10467	0.781982	-0.13386	0.893516	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJr|SIN	104108	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr9-1113	8.955403	-0.10467	0.781982	-0.13386	0.893516	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-65927	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHO	olfactory	protein-coding
chr1-2575	8.906405	-0.10516	0.786416	-0.13373	0.89362	0.981636	chr1	25759140	25759380	+	0	NA	intron (N	intron (N	-40933	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr1-1147	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	AluJb|SIN	-4869	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr1-2240	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	non-codin	non-codin	17481	NR_136593	1E+08	Hs.568390	NR_136590		LOC100287	-	septin 7	pseudo
chr11-340	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr11	34072062	34074074	+	0	NA	intron (N	Tigger3a|	21337	NM_005898	4076	Hs.471818	NM_005898	ENSG00000	CAPRIN1	GPIAP1|GP	cell cycl	protein-coding
chr11-641	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr11	64192832	64206890	+	0	NA	intron (N	AluY|SINE	-6819	NM_178443	83706	Hs.180535	NM_031471	ENSG00000	FERMT3	KIND3|MIG	fermitin	protein-coding
chr12-110	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	18592	NR_148517	400073	Hs.44817	NM_207435	ENSG00000	C12orf76	-	chromosom	protein-coding
chr13-110	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	58612	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-738	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr14	73892998	73896418	+	0	NA	intron (N	AluSz|SIN	7849	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding
chr15-297	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr15	29715511	29735475	+	0	NA	intron (N	intron (N	50558	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr16-703	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr16	70316077	70318425	+	0	NA	intron (N	AluSz|SIN	18198	NM_001257	11269	Hs.221761	NM_007242	ENSG00000	DDX19B	DBP5|DDX1	DEAD-box	protein-coding
chr16-756	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr16	75631490	75640350	+	0	NA	exon (NM_	exon (NM_	11767	NM_001130	3735	Hs.3100	NM_005548	ENSG00000	KARS	CMTRIB|DF	lysyl-tRN	protein-coding
chr18-871	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr18	8717911	8724353	+	0	NA	intron (N	intron (N	3751	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-439	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr19	43928669	43933039	+	0	NA	intron (N	MER33|DNA	4428	NM_003425	7596	Hs.381285	NM_003425	ENSG00000	ZNF45	KOX5|ZNF1	zinc fing	protein-coding
chr19-477	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr19	47714940	47718574	+	0	NA	exon (NM_	exon (NM_	3335	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr20-535	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr20	53566269	53567064	+	0	NA	TTS (NM_0	TTS (NM_0	13896	NR_110051	1.02E+08		NR_110051		LOC101927	-	uncharact	ncRNA
chr22-217	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr22	21787422	21789379	+	0	NA	intron (N	intron (N	-52606	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr3-1250	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	36586	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr4-6831	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr4	68315942	68318716	+	0	NA	intron (N	intron (N	32761	NM_001330	91746	Hs.175955	NM_133370	ENSG00000	YTHDC1	YT521|YT5	YTH domai	protein-coding
chr4-7597	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr4	75970825	75978200	+	0	NA	intron (N	AluSz6|SI	-6278	NR_125906	1.02E+08	Hs.637575	NR_125906	ENSG00000	LOC101928	-	uncharact	ncRNA
chr5-5526	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr5	55264328	55278427	+	0	NA	intron (N	AluSx|SIN	36317	NM_001345	54505	Hs.593268	NM_019030	ENSG00000	DHX29	DDX29	DExH-box	protein-coding
chr5-1511	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	26472	NM_001193	309	Hs.412117	NM_001155	ENSG00000	ANXA6	ANX6|CBP6	annexin A	protein-coding
chr5-1797	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	-9722	NM_014757	9794	Hs.631951	NM_014757	ENSG00000	MAML1	Mam-1|Mam	mastermin	protein-coding
chr7-6460	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr7	6460389	6476015	+	0	NA	intron (N	intron (N	15950	NM_006854	11014	Hs.654552	NM_006854	ENSG00000	KDELR2	ELP-1|ERD	KDEL endo	protein-coding
chr7-2798	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr7	27989974	27990205	+	0	NA	intron (N	L1PA5|LIN	-190368	NR_034097	1E+08	Hs.434307	NR_034097		JAZF1-AS1	-	JAZF1 ant	ncRNA
chr8-3908	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr8	39089381	39092429	+	0	NA	intron (N	intron (N	-16624	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr9-8634	9.895882	-0.09867	0.740644	-0.13322	0.894023	0.981636	chr9	86344240	86346201	+	0	NA	intron (N	intron (N	9190	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr2-2377	9.457999	-0.10269	0.772991	-0.13285	0.894315	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	-43505	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr15-784	9.846884	-0.09915	0.750008	-0.1322	0.894824	0.981636	chr15	78463068	78464588	+	0	NA	intron (N	FRAM|SINE	25407	NM_001320	3658	Hs.436031	NM_004136	ENSG00000	IREB2	ACO3|IRE-	iron resp	protein-coding
chr1-2085	9.450141	-0.10124	0.765783	-0.1322	0.894826	0.981636	chr1	20856398	20857154	+	0	NA	intron (N	intron (N	-70088	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-1759	9.450141	-0.10124	0.765783	-0.1322	0.894826	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	-17916	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Caj	ncRNA
chr2-2381	10.34162	-0.09634	0.728953	-0.13216	0.894861	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	intron (N	10036	NM_030768	80895	Hs.92033	NM_030768	ENSG00000	ILKAP	ILKAP2|II	ILK assoc	protein-coding
chr12-809	8.947545	-0.10312	0.781798	-0.13191	0.895059	0.981636	chr12	8093889	8094469	+	0	NA	intron (N	intron (N	11905	NM_015509	25977	Hs.555927	NM_015509	ENSG00000	NECAP1	EIEE21	NECAP end	protein-coding
chr2-2030	8.947545	-0.10312	0.781798	-0.13191	0.895059	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	MLT1A1|LT	31657	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr1-5486	3.205725	-0.16752	1.272755	-0.13162	0.895284	0.981636	chr1	54864972	54865542	+	0	NA	intron (N	intron (N	21938	NM_014762	1718	Hs.498727	NM_014762	ENSG00000	DHCR24	DCE|NblaC	24-dehydr	protein-coding

chr6-7351	17.55379	-0.07545	0.573519	-0.13156	0.895331	0.981636	chr6	73515430	73520912	+	0	NA	TTS (NR_1	TTS (NR_1	267	NR_132981	1.07E+08		NR_132981		SNORD141B	-	small nuc	snoRNA
chr7-1075	8.411667	-0.10864	0.826178	-0.13149	0.895385	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	MER58A|DN	-9758	NM_001270	11062	Hs.97627	NM_181581	ENSG00000	DUS4L	DUS4|PP35	dihydrour	protein-coding
chr1-5178	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr1	51786953	51792341	+	0	NA	TTS (NM_0	TTS (NM_0	46755	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr11-860	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr11	86024213	86026111	+	0	NA	intron (N	AluSc|SIN	43922	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr15-230	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr15	23008021	23008281	+	0	NA	intron (N	FLAM_C|SI	-27253	NM_001324	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr17-596	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr17	59669187	59669994	+	0	NA	intron (N	intron (N	38008	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAP	peptidyl-	protein-coding
chr2-2327	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	5356	NM_002242	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr5-1763	9.393286	-0.10028	0.762865	-0.13146	0.895414	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	AluY|SINE	2682	NM_020444	57179	Hs.743257	NM_020444	ENSG00000	KIAA1191	p33MONOX|	KIAA1191	protein-coding
chr1-2431	11.56247	0.092623	0.70465	0.131445	0.895423	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	AluY|SINE	65943	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-100	10.39062	-0.09591	0.729729	-0.13143	0.895435	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	L1MB3|LIN	4789	NM_001278	1147	Hs.198998	NM_001278	ENSG00000	CHUK	IKBKA|IKK	component	protein-coding
chr11-123	10.39062	-0.09591	0.729729	-0.13143	0.895435	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx1|SI	5361	NM_024769	79827	Hs.591949	NM_024769	ENSG00000	CLMP	ACAM|ASAM	CXADR lik	protein-coding
chr18-216	10.39062	-0.09591	0.729729	-0.13143	0.895435	0.981636	chr18	21623138	21624702	+	0	NA	exon (NM_	exon (NM_	11606	NM_006938	6632	Hs.464734	NM_006938	ENSG00000	SNRPD1	HsT2456|S	small nuc	protein-coding
chr20-384	10.39062	-0.09591	0.729729	-0.13143	0.895435	0.981636	chr20	38420444	38422381	+	0	NA	intron (N	intron (N	3918	NR_002910	26776	Hs.400876	NR_002910	ENSG00000	SNORA71B	RNU71B|U7	small nuc	snoRNA
chr1-2075	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr1	20759247	20777024	+	0	NA	intron (N	intron (N	18553	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-6741	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr1	67416879	67426208	+	0	NA	intron (N	intron (N	8859	NM_001018	26135	Hs.530412	NM_015640	ENSG00000	SERBP1	CGI-55|CH	SERPINE1	protein-coding
chr1-9524	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr1	95241547	95242670	+	0	NA	intron (N	LTR22B1|L	7898	NM_015485	25950	Hs.483512	NM_015485	ENSG00000	RWDD3	RSUME	RWD domai	protein-coding
chr1-1002	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	-3504	NR_110435	1.01E+08	Hs.192268	NR_110434		RTCA-AS1	-	RTCA anti	ncRNA
chr1-1828	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-4663	NR_148933	647070	Hs.191518	NR_148933		LOC647070	-	uncharact	ncRNA
chr10-687	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr10	68746331	68763686	+	0	NA	promoter-	promoter-	-164	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr10-110	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	7497	NM_005871	10285	Hs.632093	NM_005871	ENSG00000	SMNDC1	SMNR|SPF3	survival	protein-coding
chr12-507	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr12	50796271	50800915	+	0	NA	intron (N	AluY|SINE	34492	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr12-716	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr12	71605921	71637180	+	0	NA	intron (N	AluSz|SIN	42298	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr12-719	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr12	71909665	71911479	+	0	NA	intron (N	L1PA3|LIN	-28273	NM_173353	121278	Hs.736576	NM_173353	ENSG00000	TPH2	ADHD7|NTF	tryptopha	protein-coding
chr13-110	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	87277	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr13-114	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	MLT1A|LTR	7817	NR_049839	1.01E+08		NR_049839	ENSG00000	MIR548AR	-	microRNA	ncRNA
chr14-230	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr14	23097045	23099683	+	0	NA	TTS (NM_0	TTS (NM_0	-2750	NM_001164	22985	Hs.124490	NM_014977	ENSG00000	ACIN1	ACINUS|AC	apoptotic	protein-coding
chr14-504	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr14	50478067	50484563	+	0	NA	intron (N	(AT)n|Sim	51254	NM_198794	11183	Hs.130491	NM_006575	ENSG00000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr15-484	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr15	48463664	48474734	+	0	NA	intron (N	intron (N	137002	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr15-491	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr15	49132272	49135297	+	0	NA	exon (NM_	exon (NM_	21815	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sign	protein-coding
chr15-784	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr15	78482878	78486333	+	0	NA	intron (N	Tigger12|	-22959	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr17-557	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr17	5577881	5581523	+	0	NA	intron (N	L1PA15|LI	4807	NM_033004	22861	Hs.652273	NM_014922	ENSG00000	NLRP1	AIADK|CAR	NLR famil	protein-coding
chr17-160	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr17	16001330	16010006	+	0	NA	intron (N	intron (N	5844	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-471	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr17	47133744	47147117	+	0	NA	intron (N	intron (N	48865	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr17-471	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr17	47148688	47158355	+	0	NA	intron (N	intron (N	35774	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AP	cell divi	protein-coding
chr2-1668	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	1668563	1680588	+	0	NA	intron (N	intron (N	69940	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COP	peroxidas	protein-coding
chr2-6148	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	61489281	61501808	+	0	NA	exon (NM_	exon (NM_	-24457	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr2-1698	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-4901	NR_145754	1.1E+08		NR_145754		SNORD3K	-	small nuc	snoRNA
chr2-1909	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	Tigger1|D	36355	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr2-2022	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	exon (NM_	exon (NM_	6265	NR_145774	1.1E+08		NR_145774	ENSG00000	SNORD70B	-	small nuc	snoRNA
chr2-2082	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	L2a|LINE|	22922	NM_001178	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr21-290	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr21	29055414	29071002	+	0	NA	intron (N	L2c|LINE|	10440	NM_006585	10694	Hs.125113	NM_006585	ENSG00000	CCT8	C21orf112	chaperoni	protein-coding
chr21-348	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr21	34825573	34835285	+	0	NA	intron (N	intron (N	58270	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr21-391	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr21	39199447	39200322	+	0	NA	intron (N	AluSq2|SI	-16370	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-6904	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr3	69046176	69048319	+	0	NA	intron (N	intron (N	1788	NR_036087	1E+08		NR_036087	ENSG00000	MIR3136	mir-3136	microRNA	ncRNA
chr3-1237	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	86347	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1335	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSx|SIN	9157	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr3-1414	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	42254	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr4-1026	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	FLAM_A|SI	111006	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr4-1188	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	29527	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr4-1866	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	AluJo|SIN	32185	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-3239	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr5	32395992	32404196	+	0	NA	non-codin	non-codin	-5619	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr6-3010	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr6	3010089	3012888	+	0	NA	intron (N	L1M3f|LIN	11330	NM_001318	4835	Hs.533050	NM_000904	ENSG00000	NQO2	DHQV|DIA6	N-ribosyl	protein-coding
chr8-2020	9.888024	-0.09727	0.740444	-0.13136	0.89549	0.981636	chr8	20208892	20210776	+	0	NA	intron (N	intron (N	12453	NM_001693	526	Hs.295917	NM_001693	ENSG00000	ATP6V1B2	ATP6B1B2|	ATPase H+	protein-coding
chr12-121	8.014924	-0.11147	0.848973	-0.1313	0.895536	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	5693	NM_001005	84678	Hs.524800	NM_032590	ENSG00000	KDM2B	CXXC2|FBX	lysine de	protein-coding
chr9-3245	8.117331	0.111147	0.846525	0.131298	0.895539	0.981636	chr9	32450949	32451428	+	0	NA	TTS (NM_0	TTS (NM_0	66545	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr1-2293	8.452807	-0.10665	0.812315	-0.13129	0.895548	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	Intergeni	L2c|LINE|	4063	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr3-4903	8.452807	-0.10665	0.812315	-0.13129	0.895548	0.981636	chr3	49034582	49035002	+	0	NA	intron (N	intron (N	-5394	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr17-632	9.352146	-0.10219	0.780644	-0.13091	0.895849	0.981636	chr17	63203169	63203971	+	0	NA	intron (N	L1ME3Cz|L	236697	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr5-7822	10.09998	0.098988	0.758112	0.130571	0.896115	0.981636	chr5	78221089	78221295	+	0	NA	intron (N	L1MC4|LIN	73506	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr8-4297	8.509662	-0.10744	0.823326	-0.13049	0.896175	0.981636	chr8	42977472	42977862	+	0	NA	intron (N	AluSz6|SI	-78632	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr1-1800	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	79479	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-2237	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	47750	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr11-130	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	12333	NM_001301	399979	Hs.444024	NM_014758	ENSG00000	SNX19	CHET8	sorting n	protein-coding
chr12-798	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr12	79838451	79839874	+	0	NA	intron (N	THE1C-int	74749	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr15-989	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr15	98957364	98963505	+	0	NA	3’ UTR (N	3’ UTR (N	45222	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr19-803	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr19	803566	813715	+	0	NA	exon (NM_	exon (NM_	3700	NR_039900	1.01E+08		NR_039900	ENSG00000	MIR4745	mir-4745	microRNA	ncRNA
chr2-1214	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-61425	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr3-1287	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-48162	NR_162138	1.13E+08		NR_162138		MIR12124	-	microRNA	ncRNA
chr5-1492	10.38276	-0.09453	0.725959	-0.13022	0.896393	0.981636	chr5	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	61062	NM_001370	22885	Hs.49688	NM_014945	ENSG00000	ABLIM3	HMFN1661	actin bin	protein-coding
chr10-457	9.434425	-0.09833	0.759919	-0.1294	0.897041	0.981636	chr10	45754555	45755550	+	0	NA	non-codin	non-codin	27786	NM_001367	253725	Hs.365286	NM_015262	ENSG00000	WASHC2C	FAM21A|FA	WASH comp	protein-coding
chr15-654	9.434425	-0.09833	0.759919	-0.1294	0.897041	0.981636	chr15	65462868	65467092	+	0	NA	intron (N	intron (N	-42033	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOP	immunoglo	protein-coding
chr3-1506	9.434425	-0.09833	0.759919	-0.1294	0.897041	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	L1PA3|LIN	12652	NM_016275	51714	Hs.369052	NM_016275	ENSG00000	SELENOT	SELT	selenopro	protein-coding
chr3-1978	9.434425	-0.09833	0.759919	-0.1294	0.897041	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	AluSz6|SI	54050	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr6-4206	9.434425	-0.09833	0.759919	-0.1294	0.897041	0.981636	chr6	42065985	42067125	+	0	NA	intron (N	intron (N	16031	NM_138572	129685	Hs.520122	NM_138572	ENSG00000	TAF8	II|TAF|TA	TATA-box	protein-coding
chr20-372	10.8285	-0.09254	0.715117	-0.1294	0.897041	0.981636	chr20	37207223	37208081	+	0	NA	intron (N	intron (N	-28104	NM_213632	140699	Hs.349125	NM_152503	ENSG00000	MROH8	C20orf131	maestro h	protein-coding
chr1-2403	9.937021	-0.09679	0.749324	-0.12917	0.897226	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1PA16|LI	255799	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr16-218	9.937021	-0.09679	0.749324	-0.12917	0.897226	0.981636	chr16	21842241	21844020	+	0	NA	intron (N	AluSq2|SI	14527	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr4-1432	9.937021	-0.09679	0.749324	-0.12917	0.897226	0.981636	chr4	1.43E+08	1.43E+08	+	0	NA	intron (N	AluJb|SIN	19645	NM_001290	84640	Hs.480848	NM_032557	ENSG00000	USP38	HP43.8KD	ubiquitin	protein-coding
chr1-1030	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr1	10302887	10304695	+	0	NA	exon (NM_	exon (NM_	4825	NR_125730	1.04E+08		NR_125730	ENSG00000	RNU6-2	U6-2	RNA, U6 s	snRNA
chr11-102	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA2|LIN	23471	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr18-911	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr18	9119181	9120967	+	0	NA	intron (N	intron (N	16646	NR_110771	1.02E+08	Hs.656442	NR_110771	ENSG00000	NDUFV2-AS	-	NDUFV2 an	ncRNA
chr2-9619	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr2	96191138	96194444	+	0	NA	intron (N	intron (N	-15625	NR_046322	285033	Hs.58648	NM_001037228		STARD7-AS	-	STARD7 an	ncRNA
chr5-1380	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-14692	NR_037900	1E+08	Hs.616629	NR_037900		LOC100130	-	uncharact	ncRNA
chr5-1495	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	42052	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr7-9245	9.880166	-0.09586	0.742775	-0.12905	0.897314	0.981636	chr7	92455701	92457565	+	0	NA	non-codin	non-codin	9151	NR_052016	57798	Hs.21145	NM_021167	ENSG00000	GATAD1	CMD2B|ODA	GATA zinc	protein-coding
chr2-6137	10.05884	0.097476	0.756897	0.128784	0.897529	0.981636	chr2	61377572	61378215	+	0	NA	intron (N	intron (N	39484	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr12-558	8.596354	0.105786	0.822406	0.12863	0.89765	0.981636	chr12	55838432	55838966	+	0	NA	non-codin	non-codin	4237	NR_073606	4327	Hs.591033	NM_002429	ENSG00000	MMP19	CODA|MMP1	matrix me	protein-coding
chr10-320	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr10	32007513	32023829	+	0	NA	intron (N	intron (N	40754	NM_004521	3799	Hs.327736	NM_004521	ENSG00000	KIF5B	HEL-S-61|	kinesin f	protein-coding
chr11-625	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr11	62561804	62572993	+	0	NA	promoter-	promoter-	-327	NR_106805	1.02E+08		NR_106805	ENSG00000	MIR6747	hsa-mir-6	microRNA	ncRNA
chr11-106	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr11	1.06E+08	1.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13733	NM_032424	84437	Hs.266782	NM_032424	ENSG00000	MSANTD4	KIAA1826	Myb/SANT	protein-coding
chr16-245	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr16	24562590	24567987	+	0	NA	intron (N	intron (N	25701	NM_032626	5930	Hs.188553	NM_006910	ENSG00000	RBBP6	MY038|P2P	RB bindin	protein-coding
chr16-532	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr16	53277743	53279178	+	0	NA	intron (N	L1PB1|LIN	70009	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-476	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr17	47651628	47684712	+	0	NA	intron (N	intron (N	17105	NM_001276	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr18-202	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr18	202932	205904	+	0	NA	intron (N	intron (N	45861	NM_005151	9097	Hs.464416	NM_005151	ENSG00000	USP14	TGT	ubiquitin	protein-coding
chr18-486	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr18	48664833	48666526	+	0	NA	intron (N	L1MB5|LIN	-4921	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr19-585	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr19	58555906	58556705	+	0	NA	intron (N	intron (N	-1200	NM_198426	27243	Hs.12107	NM_014453	ENSG00000	CHMP2A	BC-2|BC2|	charged m	protein-coding
chr4-1187	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	68646	NM_014822	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1393	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	17908	NM_005847	9963	Hs.643467	NM_005847	ENSG00000	SLC23A1	SLC23A2|S	solute ca	protein-coding
chr7-6387	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr7	6387569	6389823	+	0	NA	intron (N	intron (N	14169	NM_006908	5879	Hs.413812	NM_006908	ENSG00000	RAC1	MIG5|MRD4	Rac famil	protein-coding
chr8-5607	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr8	56071543	56073498	+	0	NA	TTS (NM_0	TTS (NM_0	1381	NR_002437	26795		NR_002437	ENSG00000	SNORD54	RNU54|U54	small nuc	snoRNA
chr8-1411	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	38810	NR_148197	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-1213	10.3749	-0.09319	0.724576	-0.12861	0.897668	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	21363	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr16-551	7.958069	-0.11014	0.856509	-0.12859	0.897679	0.981636	chr16	551621	551820	+	0	NA	intron (N	intron (N	8443	NR_036137	1E+08		NR_036137	ENSG00000	MIR3176	mir-3176	microRNA	ncRNA
chr1-2199	10.8775	-0.09217	0.718049	-0.12836	0.897867	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L2c|LINE|	49670	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr11-129	11.32324	-0.09038	0.704475	-0.12829	0.897916	0.981636	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	409	NM_006165	4798	Hs.530539	NM_006165	ENSG00000	NFRKB	INO80G	nuclear f	protein-coding
chr22-205	9.385428	-0.09874	0.769681	-0.12828	0.897925	0.981636	chr22	20514084	20514287	+	0	NA	intron (N	intron (N	6138	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr1-2436	9.929163	-0.09539	0.743986	-0.12821	0.89798	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	MLT1G|LTR	241311	NM_181690	10000	Hs.498292	NM_005465	ENSG00000	AKT3	MPPH|MPPH	AKT serin	protein-coding
chr12-132	9.929163	-0.09539	0.743986	-0.12821	0.89798	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-18665	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr19-406	9.929163	-0.09539	0.743986	-0.12821	0.89798	0.981636	chr19	40682110	40682859	+	0	NA	intron (N	MIR|SINE|	7680	NM_001289	9253	Hs.326953	NM_004756	ENSG00000	NUMBL	CAG3A|CTG	NUMB like	protein-coding
chr1-1505	17.09234	-0.07445	0.5816	-0.12801	0.89814	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1246	NR_104133	574406	Hs.516243	NM_001025	ENSG00000	ADAMTSL4-	C1orf138	ADAMTSL4	ncRNA
chr4-4998	10.86964	-0.09082	0.713357	-0.12731	0.898697	0.981636	chr4	49987791	49988390	+	0	NA	Intergeni	ALR/Alpha	1001448	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-5868	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr1	58689965	58691874	+	0	NA	intron (N	intron (N	9143	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr1-2056	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	3’ UTR (N	3’ UTR (N	17980	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr16-219	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr16	21914012	21915127	+	0	NA	Intergeni	Intergeni	-38792	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr18-105	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr18	10546582	10552148	+	0	NA	intron (N	intron (N	23338	NM_003826	8774	Hs.464622	NM_003826	ENSG00000	NAPG	GAMMASNAP	NSF attac	protein-coding
chr6-1114	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA16|LI	-23801	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6o	TRAF3IP2	ncRNA
chr7-2085	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr7	208506	210741	+	0	NA	intron (N	intron (N	17052	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMP	FAM20C go	protein-coding
chr8-1728	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr8	17280098	17283477	+	0	NA	intron (N	L1M5|LINE	34829	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr8-1250	9.426567	-0.09685	0.761084	-0.12725	0.898744	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L1ME5|LIN	37600	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr1-4051	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr1	40514811	40515649	+	0	NA	exon (NM_	exon (NM_	6511	NM_001346	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr12-928	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr12	92806923	92809595	+	0	NA	intron (N	L1ME2z|LI	71770	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-108	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	34922	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr21-372	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr21	37200009	37203735	+	0	NA	3’ UTR (N	3’ UTR (N	-6631	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA

chr22-507	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr22	50792061	50792260	+	0	NA	intron (	MER4A1|LT	8431	NR_02698	284942	Hs.40613	NM_203302		RPL23AP8	RPL23A_4	ribosomal	pseudo
chr9-123	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	32807	NM_005294	2844	Hs.72203	NM_005294	ENSG0000	GPR21	-	G protei	protein-coding
chr9-132	9.921306	-0.094	0.741254	-0.12681	0.89909	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	33167	NM_00132	64794	Hs.660767	NM_02277	ENSG0000	DDX31	PPP1R25	DEAD-box	protein-coding
chr10-127	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (	intron (	126950	NM_00129	1793	Hs.15919	NM_00138	ENSG0000	DOCK1	DOCK180|c	dedicato	protein-coding
chr14-517	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr14	51702451	51709356	+	0	NA	intron (	intron (	-11380	NM_001267	122786	Hs.434914	NM_15233	ENSG0000	FRMD6	C14orf31|	FERM doma	protein-coding
chr17-724	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr17	7240465	7241263	+	0	NA	exon (NM_	exon (NM_	-1407	NM_024297	79142	Hs.644724	NM_024297	ENSG0000	PHF23	hJUNE-1b	PHD finge	protein-coding
chr17-818	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr17	81886832	81889984	+	0	NA	non-codi	non-codi	-2382	NM_00128	51529	Hs.53445	NM_01647	ENSG0000	ANAPC11	APC11|Apc	anaphase	protein-coding
chr4-5427	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr4	54272110	54277426	+	0	NA	intron (	intron (	40808	NM_001347	5156	Hs.74615	NM_00620	ENSG0000	PDGFRA	CD140A|P	platelet	protein-coding
chr8-117	10.36705	-0.09185	0.725547	-0.12659	0.899263	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	100703	NR_14579	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr2-1714	9.872308	-0.09443	0.747713	-0.12629	0.899502	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (	AluJr|SI	-35385	NM_02477	79828	Hs.13514	NM_02477	ENSG0000	METTL8	TIP	methyltra	protein-coding
chr12-58	10.86178	-0.0895	0.710932	-0.1259	0.899815	0.981636	chr12	58874396	58876562	+	0	NA	intron (	intron (	44067	NM_00113	121227	Hs.25373	NM_153377	ENSG0000	LRIG3	LIG3	leucine	protein-coding
chr15-671	10.86178	-0.0895	0.710932	-0.1259	0.899815	0.981636	chr15	67184122	67193610	+	0	NA	intron (	intron (	22711	NM_00114	4088	Hs.72798	NM_00590	ENSG0000	SMAD3	HSPC193|	SMAD fami	protein-coding
chr14-88	10.41604	-0.09142	0.729026	-0.1254	0.900205	0.981636	chr14	88602464	88603753	+	0	NA	intron (	intron (	8688	NM_20766	79882	Hs.68404	NM_024824	ENSG0000	ZC3H14	MRT56|MS	zinc fing	protein-coding
chr19-19	10.41604	-0.09142	0.729026	-0.1254	0.900205	0.981636	chr19	19016592	19019211	+	0	NA	intron (	intron (	15616	NR_14791	10147	Hs.77876	NM_014884	ENSG0000	SUGP2	SFRS14|S	SURP and	protein-coding
chr14-814	8.486088	-0.10255	0.817906	-0.12538	0.900226	0.981636	chr14	81493263	81493540	+	0	NA	intron (	AluSz|SI	40452	NM_00506	6400	Hs.18130	NM_00506	ENSG0000	SEL1L	Hrd3|PRO1	SEL1L ad	protein-coding
chr5-813	9.831168	-0.09628	0.768487	-0.12529	0.900294	0.981636	chr5	81304806	81305548	+	0	NA	intron (	intron (	3590	NM_001131	84240	Hs.15536	NM_03228	ENSG0000	ZCCHC9	PPP1R41	zinc fing	protein-coding
chr1-230	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr1	23092143	23094833	+	0	NA	exon (NM_	exon (NM_	49183	NR_036057	1E+08		NR_036057	ENSG0000	MIR3115	mir-3115	microRNA	ncRNA
chr10-68	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr10	68371448	68375538	+	0	NA	intron (	AluJr|SI	33696	NM_017987	55680	Hs.653144	NM_017987	ENSG0000	RUFY2	RABIP4R|	RUN and	protein-coding
chr11-12	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (	intron (	4064	NM_00313	6734	Hs.36837	NM_00313	ENSG0000	SRPRA	DP|SRPR|	SRP rece	protein-coding
chr12-98	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr12	98648646	98650992	+	0	NA	intron (	L2c|LINE|	4519	NM_18186	317	Hs.552567	NM_00116	ENSG0000	APAF1	APAF-1|C	apoptoti	protein-coding
chr12-101	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	11489	NM_001177	400	Hs.37261	NM_001177	ENSG0000	ARL1	ARFL1	ADP ribo	protein-coding
chr13-32	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr13	32235185	32238916	+	0	NA	intron (	intron (	74904	NM_00113	646799	Hs.569254	NM_00113	ENSG0000	ZAR1L	Z3CXXC7|	zygote a	protein-coding
chr15-82	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr15	82813147	82820600	+	0	NA	intron (	intron (	7245	NM_00108	123720	Hs.37736	NM_00108	ENSG0000	WHAMM	WHAMM1|W	WASP hom	protein-coding
chr15-101	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	17134	NM_01491	22856	Hs.11048	NM_01491	ENSG0000	CHSY1	CHSY|CSS1	chondroit	protein-coding
chr16-53	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr16	53273813	53276781	+	0	NA	intron (	AluSx1|SI	66846	NM_00135	80205	Hs.59159	NM_015287	ENSG0000	CHD9	AD013|CH	chromodo	protein-coding
chr17-46	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr17	46049186	46050715	+	0	NA	intron (	AluSx|SI	50700	NM_001007	246744	Hs.661831	NM_001007	ENSG0000	STH	MAPTIT	saitohin	protein-coding
chr19-12	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr19	12097933	12098836	+	0	NA	intron (	MER9a1|LT	6087	NM_00134	388507	Hs.12747	NM_001004314		ZNF788P	ZNF788	zinc fing	protein-coding
chr2-741	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr2	74162336	74172296	+	0	NA	intron (	AluSx3|SI	10998	NM_001317	55233	Hs.60209	NM_018221	ENSG0000	MOB1A	C2orf6|M	MOB kina	protein-coding
chr20-44	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr20	44480717	44480954	+	0	NA	intron (	MLT10|LT	4961	NM_001261	79183	Hs.28386	NM_024331	ENSG0000	TTPAL	C20orf121	alpha to	protein-coding
chr3-690	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr3	69024389	69027384	+	0	NA	intron (	intron (	-12202	NM_00127	285203	Hs.51805	NM_173654	ENSG0000	EOGT	AER61|AO	EGF doma	protein-coding
chr4-183	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (	L1MB8|LI	-33283	NR_12647	1.02E+08	Hs.57071	NR_12647	ENSG0000	WWC2-AS1	-	WWC2 anti	ncRNA
chr7-776	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr7	77626796	77629174	+	0	NA	intron (	intron (	68280	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG0000	APTR	RSBN1L-A	Alu-media	ncRNA
chr9-703	9.913448	-0.0926	0.741054	-0.12496	0.900558	0.981636	chr9	70305303	70308057	+	0	NA	intron (	intron (	47702	NM_01511	23137	Hs.53418	NM_01511	ENSG0000	SMC5	SMC5L1	structur	protein-coding
chr15-70	9.418709	-0.09531	0.765012	-0.12459	0.900852	0.981636	chr15	70662639	70665916	+	0	NA	intron (	intron (	29028	NR_12648	1.05E+08		NR_12648	ENSG0000	SALRNA2	SAL-RNA2|	senescen	ncRNA
chr19-84	9.418709	-0.09531	0.765012	-0.12459	0.900852	0.981636	chr19	8463599	8465884	+	0	NA	intron (	intron (	19766	NM_03120	4670	Hs.46580	NM_00596	ENSG0000	HNRNPM	CEAR|HNR	heteroge	protein-coding
chr7-128	9.418709	-0.09531	0.765012	-0.12459	0.900852	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	13033	NM_018077	55131	Hs.27426	NM_018077	ENSG0000	RBM28	ANES	RNA bindi	protein-coding
chr12-124	11.35652	-0.08747	0.702543	-0.1245	0.900921	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (	intron (	102048	NM_00120	9612	Hs.13751	NM_00631	ENSG0000	NCOR2	CTG26|N-	nuclear	protein-coding
chr10-11	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	6487	NM_00719	11196	Hs.435004	NM_00719	ENSG0000	SEC23IP	MSTP053|	SEC23 int	protein-coding
chr12-49	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr12	49054841	49055316	+	0	NA	intron (	intron (	246	NM_00348	8085	Hs.731384	NM_00348	ENSG0000	KMT2D	AAD10|AL	lysine m	protein-coding
chr12-10	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (	MIR3|SIN	22434	NR_13389	83892	Hs.524731	NM_031954	ENSG0000	KCTD10	BTBD28|M	potassiu	protein-coding
chr12-114	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	11503	NM_18148	6910	Hs.38171	NM_00019	ENSG0000	TBX5	HOS	T-box tr	protein-coding
chr14-23	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr14	23029207	23033594	+	0	NA	intron (	intron (	3500	NM_002797	5693	Hs.42299	NM_002797	ENSG0000	PSMB5	LMPX|MB1|	proteaso	protein-coding
chr17-29	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr17	29262560	29264941	+	0	NA	3’ UTR (	3’ UTR (	16893	NM_00520	1411	Hs.46275	NM_00520	ENSG0000	CRYBA1	CRYB1|CT	crystalli	protein-coding
chr17-384	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr17	38495366	38507511	+	0	NA	intron (	AluY|SIN	72974	NM_00119	57636	Hs.37444	NM_02087	ENSG0000	ARHGAP23	-	Rho GTPa	protein-coding
chr19-241	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr19	24124587	24130530	+	0	NA	exon (NM_	exon (NM_	35889	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr20-441	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr20	44197326	44200630	+	0	NA	intron (	MER44C|D	-11400	NM_02043	57158	Hs.441737	NM_02043	ENSG0000	JPH2	CMH17|JP-	junctoph	protein-coding
chr5-167	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr5	16709056	16711525	+	0	NA	intron (	intron (	-93232	NM_001034	54463	Hs.481704	NM_01900	ENSG0000	RETREG1	FAM134B|	reticulo	protein-coding
chr5-747	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr5	74769119	74771798	+	0	NA	intron (	intron (	-3087	NM_170681	84340	Hs.277154	NM_03238	ENSG0000	GFM2	EF-G2mt|	G elonga	protein-coding
chr5-1774	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (	AluSx|SI	-3391	NM_001364	1627	Hs.13031	NM_00439	ENSG0000	DBN1	D0S117E	drebrin 1	protein-coding
chr8-1411	10.40819	-0.09008	0.72526	-0.1242	0.901157	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	22446	NR_148197	22898	Hs.18166	NM_014957	ENSG0000	DENND3	-	DENN dom	protein-coding
chr16-15	10.35919	-0.09051	0.728904	-0.12417	0.901182	0.981636	chr16	15079137	15080139	+	0	NA	intron (	AluSx1|SI	14697	NM_001301	54700	Hs.46007	NM_018427	ENSG0000	RRN3	A-270G1.	RRN3 hom	protein-coding
chr3-4711	10.35919	-0.09051	0.728904	-0.12417	0.901182	0.981636	chr3	47112306	47113778	+	0	NA	intron (	intron (	50935	NM_01415	29072	Hs.517941	NM_012271	ENSG0000	SETD2	HBP231|H	SET domai	protein-coding
chr7-927	10.35919	-0.09051	0.728904	-0.12417	0.901182	0.981636	chr7	92724477	92725915	+	0	NA	intron (	intron (	108763	NM_00125	1021	Hs.11988	NM_00125	ENSG0000	CDK6	MCPH12|P	cyclin d	protein-coding
chr15-98	10.85393	-0.08821	0.710721	-0.12412	0.90122	0.981636	chr15	98911190	98913703	+	0	NA	intron (	intron (	93210	NM_00110	145814	Hs.592021	NM_00110	ENSG0000	PGPEP1L	-	pyroglut	protein-coding
chr2-241	10.85393	-0.08821	0.710721	-0.12412	0.90122	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (	intron (	3609	NM_00132	3069	Hs.471851	NM_00533	ENSG0000	HDLBP	HBP|PRO2	high den	protein-coding
chr1-205	3.692605	-0.14646	1.18052	-0.12407	0.901263	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	Intergeni	L1ME4a|LI	-3268	NR_13518	148811	Hs.177744	NM_152491	ENSG0000	PM20D1	Cps1	peptidas	protein-coding
chr1-173	18.05824	-0.07032	0.566887	-0.12404	0.901282	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	promoter-	promoter-	-245	NR_00394	26774		NR_003940		SNORD80	RNU100|U	small nuc	snoRNA
chr15-43	9.86445	-0.09296	0.755418	-0.12306	0.902063	0.981636	chr15	43348948	43349241	+	0	NA	3’ UTR (	3’ UTR (	18422	NM_00101	161823	Hs.53391	NM_00101	ENSG0000	ADAL	-	adenosin	protein-coding
chr5-140	9.86445	-0.09296	0.755418	-0.12306	0.902063	0.981636	chr5	14003618	14003817	+	0	NA	Intergeni	MLT1G|LT	-59237	NM_00136	1767	Hs.21236	NM_00136	ENSG0000	DNAH5	CILD3|DN	dynein a	protein-coding
chr10-61	7.99135	-0.10573	0.859289	-0.12304	0.902072	0.981636	chr10	6106093	6106713	+	0	NA	intron (	intron (	17057	NM_00114	84991	Hs.49854	NM_03290	ENSG0000	RBM17	SPF45	RNA bindi	protein-coding
chr12-11	10.90292	-0.08784	0.7162	-0.12265	0.902384	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	-56002	NM_00134	51347	Hs.64442	NM_016281	ENSG0000	TAOK3	DPK|JIK|	TAO kina	protein-coding
chr10-30	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr10	30017029	30019154	+	0	NA	intron (	intron (	41495	NM_00135	57608	Hs.53395	NM_02084	ENSG0000	JCAD	KIAA1462	junction	protein-coding
chr14-584	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr14	58432462	58433411	+	0	NA	intron (	AluSx1|SI	5217	NM_001364	9786	Hs.23253	NM_01474	ENSG0000	KIAA0586	JBTS23|S	KIAA0586	protein-coding
chr2-2014	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (	L1MA3|LI	8998	NM_00120	55437	Hs.65233	NM_018571	ENSG0000	STRADB	ALS2CR2|	STE20 re	protein-coding
chr20-49	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr20	49249059	49251659	+	0	NA	intron (	MIRb|SIN	27698	NM_02103	57169	Hs.371794	NM_02103	ENSG0000	ZNFX1	-	zinc fin	protein-coding
chr21-41	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr21	41990873	41993578	+	0	NA	exon (NM_	exon (NM_	-16969	NR_119384	150142	Hs.14383	NM_19807	ENSG0000	ZNF295-A	C21orf121	ZNF295 a	ncRNA
chr6-107	9.90559	-0.09117	0.743385	-0.12265	0.902387	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (	intron (	65705	NM_007214	11231	Hs.26904	NM_007214	ENSG0000	SEC63	DNAJC23|	SEC63 ho	protein-coding
chr10-271	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr10	27119323	27124315	+	0	NA	intron (	AluSx1|SI	-21321	NM_01491	22852	Hs.361041	NM_01491	ENSG0000	ANKRD26	THC2|bA1	ankyrin	protein-coding
chr10-93	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr10	93354414	93362580	+	0	NA	intron (	L1PA10|LI	123837	NM_013451	26509	Hs.60208	NM_013451	ENSG0000	MYOF	FER1L3	myoferli	protein-coding
chr12-347	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr12	347569	355442	+	0	NA	intron (	intron (	37815	NM_00104	5927	Hs.76272	NM_00505	ENSG0000	KDM5A	RBBP-2|R	lysine d	protein-coding
chr14-71	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr14	71052999	71053949	+	0	NA	intron (	AluSq2|SI	146015	NM_00130	22990	Hs.44655	NM_01498	ENSG0000	PCNX1	PCNX|PCN	pecanex 1	protein-coding
chr15-504	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr15	50439338	50441018	+	0	NA	intron (	intron (	15773	NM_00112	9101	Hs.443731	NM_005154	ENSG0000	USP8	HumORF8|	ubiquiti	protein-coding
chr16-27	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr16	2757411	2775723	+	0	NA	exon (NM_	exon (NM_	10713	NM_20701	6923	Hs.17277	NM_00710	ENSG0000	ELOB	SIII|TCE	elongin	protein-coding
chr19-36	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr19	36575621	36582041	+	0	NA	TTS (NR_1	TTS (NR_1	-5539	NM_00135	57711	Hs.65496	NM_020951	ENSG0000	ZNF529	-	zinc fin	protein-coding
chr2-372	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr2	37201910	37208158	+	0	NA	TTS (NM_	TTS (NM_	8538	NM_00132	1.01E+08	Hs.66695	NM_00132	ENSG0000	CEBPZOS	CEBPZ-AS1	CEBPZ op	protein-coding
chr2-856	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr2	85636257	85648517	+	0	NA	intron (	intron (	25812	NM_00054	6439	Hs.51269	NM_00054	ENSG0000	SFTPB	PSP-B|SF	surfacta	protein-coding
chr20-11	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr20	11921986	11923981	+	0	NA	exon (NM_	exon (NM_	5090	NM_01496	22903	Hs.70936	NM_01496	ENSG0000	BTBD3	dJ742J24.	BTB domai	protein-coding
chr20-344	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr20	34478423	34484109	+	0	NA	intron (	intron (	14941	NR_030374	693229		NR_030374	ENSG0000	MIR644A	MIR644|MI	microRNA	ncRNA
chr4-108	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (	intron (	4228	NM_00131	6164	Hs.438227	NM_00099	ENSG0000	RPL34	L34	ribosomal	protein-coding
chr6-564	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr6	56456451	56459904	+	0	NA	3’ UTR (	3’ UTR (	-64049	NM_00131	81578	Hs.47629	NM_03082	ENSG0000	COL21A1	COLA1L|F	collagen	protein-coding
chr6-821	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr6	82198733	82202794	+	0	NA	intron (	(T)n|Sim	46981	NM_00130	25998	Hs.30642	NM_01552	ENSG0000	IBTK	BTBD26|B	inhibito	protein-coding
chr7-130	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (	intron (	13864	NR_11047	378805	Hs.15055	NM_00108	ENSG0000	LINC-PIN	LincRNA-	long int	ncRNA
chr9-922	10.40033	-0.08874	0.723878	-0.12259	0.902431	0.981636	chr9	92267152	92278043	+	0	NA	intron (	AluSx1|SI	19950	NR_037424	1.01E+08		NR_037424	ENSG0000	MIR3651	mir-3651	microRNA	ncRNA
chr1-119	8.478231	-0.10072	0.822639	-0.12244	0.902552	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	70219	NM_02440	4853	Hs.48736	NM_02440	ENSG0000	NOTCH2	AGS2|HJC	notch re	protein-coding
chr7-329	9.962445	-0.09202	0.752842	-0.12224	0.902712	0.981636	chr7	32988643	32988852	+	0	NA	intron (	AluJo|SI	9273	NM_001284	11328	Hs.103934	NM_00727	ENSG0000	FKBP9	FKBP60|F	FKBP pro	protein-coding
chr14-761	10.84607	-0.08694	0.712723	-0.12198	0.902915	0.981636	chr14	76166623	76168585	+	0	NA	3’ UTR (	3’ UTR (	13250	NR_110314	55668	Hs.410231	NM_01792	ENSG0000	GPATCH2L	C14orf11	G-patch	protein-coding
chr1-277	11.34081	-0.08492	0.697939	-0.12168	0.903155	0.981636	chr1	27789853	27791822	+	0	NA	intron (	AluSq2|SI	17618	NM_177424	23673	Hs.52385	NM_177424	ENSG0000	STX12	STX13|ST	syntaxin	protein-coding
chr19-21	10.89507	-0.08653	0.711517	-0.12161	0.903206	0.981636	chr19	2191463	2192072	+	0	NA	intron (	intron (	27834	NM_03248	84444	Hs.713641	NM_03248	ENSG0000	DOT1L	DOT1|KMT4	DOT1 lik	protein-coding
chr5-177	10.89507	-0.08653	0.711517	-0.12161	0.903206	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	23010	NM_001031	53917	Hs.16258	NM_130781	ENSG0000	RAB24	-	RAB24, m	protein-coding
chr4-7307	10.35133	-0.08914	0.734746	-0.12133	0.903432	0.981636	chr4	73077968	73078817	+	0	NA	intron (	AluSz|SI	-8633	NM_00130	285521	Hs.356697	NM_173827	ENSG0000	COX18	COX18HS	cytochro	protein-coding
chr1-291	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr1	29158024	29159457	+	0	NA	intron (	AluJb|SI	23160	NM_00562	6429	Hs.46997	NM_00562	ENSG0000	SRSF4	SFRS4|SR	serine a	protein-coding
chr14-31	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr14	31601018	31602040	+	0	NA	intron (	L1PA3|LI	23613	NM_001201	80224	Hs.288981	NM_02515	ENSG0000	NUBPL	C14orf127	nucleoti	protein-coding
chr18-26	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr18	26052321	26052825	+	0	NA	intron (	intron (	38040	NM_001007	6760	Hs.129261	NM_005637	ENSG0000	SS18	SSXT|SYT	SS18 sub	protein-coding
chr22-451	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr22	45168409	45173034	+	0	NA	intron (	intron (	6050	NM_15364	10762	Hs.47510	NM_00717	ENSG0000	NUP50	NPAP60|N	nucleopo	protein-coding
chr3-177	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (	MLT2B1|LT	158761	NM_001321	79718	Hs.714201	NM_02466	ENSG0000	TBL1XR1	C21|DC42|	transduc	protein-coding
chr5-334	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr5	33457139	33469308	+	0	NA	intron (	intron (	22447	NR_04767	6897	Hs.48186	NM_15229	ENSG0000	TARS	ThrRS	threonyl-	protein-coding
chr8-1411	10.39247	-0.0874	0.724847	-0.12057	0.904028	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (	intron (	28516	NR_148197	22898	Hs.18166	NM_014957	ENSG0000	DENND3	-	DENN dom	protein-coding
chr17-14	9.369712	-0.09543	0.793124	-0.12032	0.904231	0.981636	chr17	1431002	1431328	+	0	NA	intron (	intron (	25067	NM_01682	1398	Hs.46189	NM_00520	ENSG0000	CRK	CRKII|p3	CRK prot	protein-coding
chr1-400	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr1	40060025	40075171	+	0	NA	exon (NM_	exon (NM_	26747	NM_00135	10487	Hs.370581	NM_006367	ENSG0000	CAP1	CAP|CAP1-	cyclase	protein-coding
chr1-938	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr1	93868714	93875121	+	0	NA	intron (	intron (	7289	NM_014597	30836	Hs.85769	NM_014597	ENSG0000	DNTTIP2	ERBP|FCF	deoxynucl	protein-coding
chr1-109	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	SVA_B|Ret	2526	NM_00564	6884	Hs.63242	NM_00564	ENSG0000	TAF13	MRT60|TA	TATA-box	protein-coding
chr11-14	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr11	14509612	14518270	+	0	NA	TTS (NM_	TTS (NM_	6504	NM_00278	5682	Hs.10279	NM_00278	ENSG0000	PSMA1	HC2|HEL-	proteaso	protein-coding
chr11-354	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr11	35482281	35483463	+	0	NA	intron (	L1PA8|LI	42744	NM_001001	25891	Hs.55044	NM_01543	ENSG0000	PAMR1	DKFZP586	peptidas	protein-coding
chr2-469	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr2	46903863	46909248	+	0	NA	intron (	AluJb|SI	9251	NM_001171	90411	Hs.66215	NM_13927	ENSG0000	MCFD2	F5F8D|F5	multiple	protein-coding
chr2-207	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (	AluSx3|SI	32617	NM_14528	151194	Hs.664764	NM_14528	ENSG0000	METTL21A	FAM119A|	methyltra	protein-coding
chr5-144	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr5	14457638	14485693	+	0	NA	intron (	intron (	7682	NR_14581	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr9-7107	10.88721	-0.08524	0.709097	-0.12021	0.904319	0.981636	chr9	710794	713384	+	0	NA	exon (NM_	exon (NM_	5412	NM_001354	23189	Hs.306764	NM_01515	ENSG0000	KANK1	ANKRD15|	KN motif	protein-coding
chr2-1084	4.187343	-0.13354	1.111436	-0.12015	0.904364	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (	intron (	23051	NR_02806	9648	Hs.43650	NM_18145	ENSG0000	GCC2	GCC185|R	GRIP and	protein-coding
chr14-52	11.3898	-0.08461	0.705201	-0.11999	0.904494	0.981636	chr14	52901603	52902481	+	0	NA	intron (	HAL1|LIN	49008	NM_00683	10979	Hs.50934	NM_00683	ENSG0000	FERMT2	KIND2|MI	fermitin	protein-coding
chr17-31	9.946729	-0.08928	0.744751	-0.11988	0.904576	0.981636	chr17	31862595	31865133	+	0	NA	intron (	AluJb|SI	-4620	NM_01840	55352	Hs.46272	NM_01840	ENSG0000	COPRS	C17orf79|	coordina	protein-coding
chr10-87	9.897732	-0.0897	0.748324	-0.11987	0.904584	0.981636	chr10	87524761	87527364	+	0	NA	intron (	L1PA5|LI	18229	NM_00117	9562	Hs.12126	NM_004897	ENSG0000	MINPP1	HIPER1|M	multiple	protein-coding
chr21-371	9.451991	-0.0918	0.766405	-0.11979	0.904653	0.981636	chr21	37124611	37125519	+	0	NA	intron (	intron (	42118	NM_00331	7267	Hs.368214	NM_00331	ENSG0000	TTC3	DCRR1|RN	tetratri	protein-coding
chr9-122	9.451991	-0.0918	0.766405	-0.11979	0.904653	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	2152	NM_00662	10773	Hs.65459	NM_00662	ENSG0000	ZBTB6	ZID|ZNF4	zinc fin	protein-coding
chr12-45	10.44147	-0.08693	0.730997	-0.11892	0.905342	0.981636	chr12	45850121	45851949	+	0	NA	exon (NM_	exon (NM_	121326	NM_001347	196528	Hs.317304	NM_152641	ENSG0000	ARID2	BAF200|C	AT-rich i	protein-coding
chr9-378	8.470373	-0.09877	0.830839	-0.11887	0.905375	0.981636	chr9	37860324	37860523	+	0	NA	intron (	intron (	43704	NM_033412	92014	Hs.63412	NM_033412	ENSG0000	SLC25A51	CG7943|M	solute c	protein-coding
chr1-663	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr1	66360728	66371371	+	0	NA	intron (	L3b|LINE|	11514	NM_001297	5142	Hs.19807	NM_00260	ENSG0000	PDE4B	DPDE4|PD	phosphodi	protein-coding
chr1-2057	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (	intron (	31177	NM_022731	64710	Hs.213061	NM_022731	ENSG0000	NUCKS1	JC7|NUCK	nuclear	protein-coding
chr11-11	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr11	11884338	11887784	+	0	NA	intron (	L1PA10|LI	44638	NM_00133	55031	Hs.57725	NM_017944	ENSG0000	USP47	TRFP	ubiquiti	protein-coding
chr11-66	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr11	66639788	66648228	+	0	NA	exon (NM_	exon (NM_	5305	NM_00119	5936	Hs.52382	NM_00289	ENSG0000	RBM4	LARK|RBM4	RNA bindi	protein-coding
chr16-294	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr16	29437334	29438594	+	0	NA	non-codi	non-codi	9062	NR_13531	1E+08	Hs.55270	NR_13531	ENSG0000	SMG1P6	-	SMG1 pse	pseudo
chr17-32	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr17	32357906	32381176	+	0	NA	intron (	intron (	19403	NM_003457	7756	Hs.50077	NM_003457	ENSG0000	ZNF207	BuGZ|hBu	zinc fin	protein-coding
chr2-357	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr2	3575847	3582005	+	0	NA	intron (	intron (	3666	NM_001011	6201	Hs.53434	NM_001011	ENSG0000	RPS7	DBA8|S7|	ribosomal	protein-coding
chr3-185	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (	intron (	-26330	NR_12632	646600	Hs.64794	NR_027317	ENSG0000	IGF2BP2-	C3orf65	IGF2BP2	ncRNA

chr3-1944	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (	intron (	19002	NM_024524	79572	Hs.52960	NM_024524	ENSG0000	ATP13A3	AFURS1	ATPase 1	protein-coding
chr4-533	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr4	53389760	53392556	+	0	NA	intron (	intron (	13505	NM_001134	81608	Hs.55510	NM_030917	ENSG0000	FIP1L1	FIP1|Rhe|	factor i	protein-coding
chr5-138	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	6390	NM_004134	3313	Hs.18423	NM_004134	ENSG0000	HSPA9	CRP40|CS	heat shoc	protein-coding
chr5-168	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (	MLT2A1|LT	-16413	NM_00135	345630	Hs.16626	NM_00135	ENSG0000	FBLL1	-	fibrillar	protein-coding
chr6-1121	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (	L1PA7|LI	-35845	NR_12119	1.02E+08	Hs.510007	NR_121193		LOC101927	-	uncharact	ncRNA
chr7-1934	10.87935	-0.08396	0.708886	-0.11843	0.905723	0.981636	chr7	193499	202604	+	0	NA	intron (	intron (	5480	NM_02022	56975	Hs.13474	NM_02022	ENSG0000	FAM20C	DMP-4|DM	FAM20C g	protein-coding
chr8-131	10.38461	-0.08603	0.7282	-0.11814	0.905954	0.981636	chr8	13108854	13114847	+	0	NA	intron (	intron (	4394	NM_001164	10395	Hs.13429	NM_006094	ENSG0000	DLC1	ARHGAP7|	DLC1 Rho	protein-coding
chr6-1354	9.938871	-0.08788	0.744551	-0.11803	0.906047	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	14395	NM_001134	54806	Hs.386684	NM_017651	ENSG0000	AHI1	AHI-1|JB	Abelson	protein-coding
chr16-30	11.37409	-0.08206	0.696355	-0.11784	0.906192	0.981636	chr16	30300077	30301090	+	0	NA	intron (	AluSq2|SI	34791	NR_00245	595101	Hs.65465	NR_00245	ENSG0000	SMG1P5	-	SMG1 pse	pseudo
chr3-149	11.37409	-0.08206	0.696355	-0.11784	0.906192	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (	intron (	33418	NM_00413	2992	Hs.47789	NM_00413	ENSG0000	GYG1	GSD15|GY	glycogeni	protein-coding
chr6-5661	10.43361	-0.08561	0.727226	-0.11772	0.906292	0.981636	chr6	56615801	56617334	+	0	NA	exon (NM_	exon (NM_	26322	NM_01554	667	Hs.60491	NM_00172	ENSG0000	DST	BP240|BP	dystonin	protein-coding
chr1-1681	11.86883	-0.08042	0.689534	-0.11663	0.907155	0.981636	chr1	1.68E+08	1.68E+08	+	0	NA	intron (	AluJb|SI	18080	NM_001031	261726	Hs.209431	NM_15290	ENSG0000	TIPRL	TIP|TIP41	TOR sign	protein-coding
chr4-121	10.87149	-0.08267	0.710882	-0.11629	0.907423	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	16235	NM_001154	308	Hs.48065	NM_001154	ENSG0000	ANXA5	ANX5|ENX	annexin	protein-coding
chr6-136	10.87149	-0.08267	0.710882	-0.11629	0.907423	0.981636	chr6	1.36E+08	1.36E+08	+	0	NA	intron (	intron (	19733	NM_001077	9774	Hs.48654	NM_01473	ENSG0000	BCLAF1	BTF|bK211	BCL2 ass	protein-coding
chr19-211	11.36623	-0.08082	0.695105	-0.11627	0.907436	0.981636	chr19	21180772	21184651	+	0	NA	exon (NM_	exon (NM_	40671	NM_13347	170959	Hs.15625	NM_13347	ENSG0000	ZNF431	-	zinc fin	protein-coding
chr7-9941	11.36623	-0.08082	0.695105	-0.11627	0.907436	0.981636	chr7	99410678	99413910	+	0	NA	intron (	Kanga2_a|	3122	NR_16213	1.13E+08		NR_162133		MIR12119	-	microRNA	ncRNA
chr7-1521	10.42575	-0.08428	0.725841	-0.11611	0.907565	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	101983	NM_001371474								
chr18-79	8.024632	-0.10088	0.872078	-0.11568	0.907903	0.981636	chr18	79918936	79919431	+	0	NA	intron (	intron (	32470	NM_00114	80148	Hs.288284	NM_02507	ENSG0000	SLC66A2	PQLC1	solute c	protein-coding
chr7-597	11.86097	-0.07918	0.685366	-0.11553	0.908027	0.981636	chr7	5976031	5978705	+	0	NA	intron (	intron (	-6685	NM_17356	222967	Hs.44233	NM_17356	ENSG0000	RSPH10B	-	radial s	protein-coding
chr19-53	10.92049	-0.08226	0.712169	-0.11551	0.908043	0.981636	chr19	53090596	53092047	+	0	NA	intron (	intron (	-4284	NM_00132	90338	Hs.655967	NM_03328	ENSG0000	ZNF160	F11|HKr1	zinc fin	protein-coding
chr6-1494	12.30671	-0.07806	0.676274	-0.11543	0.908103	0.981636	chr6	1.49E+08	1.49E+08	+	0	NA	3’ UTR (	3’ UTR (	9601	NM_00100	387082	Hs.65716	NM_00100	ENSG0000	SUMO4	IDDM5|SM	small ubi	protein-coding
chr3-172	8.949395	-0.09248	0.807101	-0.11458	0.90878	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	3’ UTR (	3’ UTR (	69666	NM_00134	1894	Hs.51829	NM_01809	ENSG0000	ECT2	ARHGEF31	epitheli	protein-coding
chr12-69	11.35837	-0.07959	0.695923	-0.11437	0.908946	0.981636	chr12	69587021	69595655	+	0	NA	intron (	intron (	5449	NM_00119	10576	Hs.18977	NM_006431	ENSG0000	CCT2	99D8.1|C	chaperoni	protein-coding
chr16-30	11.35837	-0.07959	0.695923	-0.11437	0.908946	0.981636	chr16	30066441	30074246	+	0	NA	TTS (NM_	TTS (NM_	4583	NM_184041	226	Hs.51349	NM_000034	ENSG0000	ALDOA	ALDA|GSD1	aldolase,	protein-coding
chr4-8281	11.35837	-0.07959	0.695923	-0.11437	0.908946	0.981636	chr4	82817750	82831481	+	0	NA	exon (NM_	exon (NM_	-25758	NM_02490	79966	Hs.379191	NM_02490	ENSG0000	SCD5	ACOD4|FA	stearoyl-	protein-coding
chr1-2201	11.41523	-0.08047	0.704703	-0.11419	0.909086	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (	L1PA7|LI	30526	NR_03170	1E+08		NR_03170	ENSG0000	MIR664A	MIR664|M	microRNA	ncRNA
chr8-1447	11.85311	-0.07797	0.683192	-0.11413	0.909138	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (	intron (	1798	NR_10690	1.02E+08		NR_10690	ENSG0000	MIR6850	hsa-mir-	microRNA	ncRNA
chr1-193	10.91263	-0.08099	0.709748	-0.11411	0.909154	0.981636	chr1	1.93E+08	1.93E+08	+	0	NA	intron (	AluSx|SI	8128	NR_13561	1.07E+08		NR_13561	ENSG0000	SCARNA18	-	small Ca	ncRNA
chr10-151	10.91263	-0.08099	0.709748	-0.11411	0.909154	0.981636	chr10	15131848	15135415	+	0	NA	intron (	AluJr|SI	21716	NR_03650	1E+08	Hs.714691	NR_03650	ENSG0000	PPIAP30	-	peptidyl	pseudo
chr2-985	10.91263	-0.08099	0.709748	-0.11411	0.909154	0.981636	chr2	9856345	9858845	+	0	NA	intron (	THE1D|LT	14121	NM_00568	9014	Hs.58483	NM_00568	ENSG0000	TAF1B	MGC:9349|	TATA-box	protein-coding
chr21-45	10.91263	-0.08099	0.709748	-0.11411	0.909154	0.981636	chr21	45271562	45272799	+	0	NA	intron (	L1PB1|LI	15715	NM_015227	23275	Hs.592164	NM_015227	ENSG0000	POFUT2	C21orf80|	protein	protein-coding
chr11-95	10.41789	-0.08292	0.726813	-0.11409	0.909166	0.981636	chr11	95979208	95979460	+	0	NA	exon (NM_	exon (NM_	-55127	NM_01615	8898	Hs.18132	NM_01615	ENSG0000	MTMR2	CMT4B|CM	myotubul	protein-coding
chr14-10	10.41789	-0.08292	0.726813	-0.11409	0.909166	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (	AluSq2|SI	42273	NM_03094	81693	Hs.534494	NM_03094	ENSG0000	AMN	PRO1028|	amnion a	protein-coding
chr5-401	9.436275	-0.08856	0.777202	-0.11395	0.909281	0.981636	chr5	401660	402235	+	0	NA	intron (	L1M3|LIN	41213	NR_12652	116349	Hs.44670	NM_138464	ENSG0000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr11-11	3.718028	-0.13431	1.179496	-0.11387	0.909338	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (	L1MB7|LI	33425	NM_00518	867	Hs.50409	NM_00518	ENSG0000	CBL	C-CBL|CB	Cbl prot	protein-coding
chr22-407	3.718028	-0.13431	1.179496	-0.11387	0.909338	0.981636	chr22	40792592	40793237	+	0	NA	intron (	intron (	21044	NR_03992	1.01E+08		NR_03992	ENSG0000	MIR4766	mir-4766	microRNA	ncRNA
chr16-58	9.395136	-0.09021	0.795384	-0.11342	0.909699	0.981636	chr16	58584992	58585194	+	0	NA	intron (	intron (	-25162	NR_00298	677830	Hs.67751	NR_00298	ENSG0000	SNORA50A	ACA50|SN	small nuc	snoRNA
chr10-79	4.220625	-0.12603	1.114712	-0.11306	0.909983	0.981636	chr10	79252107	79252909	+	0	NA	intron (	intron (	-94961	NM_00572	10105	Hs.38107	NM_00572	ENSG0000	PPIF	CYP3|CyP-	peptidyl	protein-coding
chr20-441	9.923155	-0.08491	0.751841	-0.11294	0.910081	0.981636	chr20	44196654	44196928	+	0	NA	3’ UTR (	3’ UTR (	-9213	NM_02043	57158	Hs.441737	NM_02043	ENSG0000	JPH2	CMH17|JP-	junctophi	protein-coding
chr11-12	10.90477	-0.0797	0.709537	-0.11233	0.91056	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (	AluSz|SI	26447	NM_02455	79607	Hs.27631	NM_02455	ENSG0000	FAM118B	-	family wi	protein-coding
chr16-30	10.90477	-0.0797	0.709537	-0.11233	0.91056	0.981636	chr16	30258288	30259772	+	0	NA	Intergeni	L1PA5|LI	-10617	NM_001321	613037	Hs.58573	NM_001321	ENSG0000	NPIPB13	-	nuclear	protein-coding
chr4-8681	10.90477	-0.0797	0.709537	-0.11233	0.91056	0.981636	chr4	86813173	86816218	+	0	NA	3’ UTR (	3’ UTR (	34689	NM_19796	345274	Hs.45299	NM_19796	ENSG0000	SLC10A6	SOAT	solute c	protein-coding
chr6-1334	10.90477	-0.0797	0.709537	-0.11233	0.91056	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (	L1MB5|LI	228162	NM_001301	2070	Hs.59668	NM_00410	ENSG0000	EYA4	CMD1J|DF	EYA tran	protein-coding
chr2-994	11.39951	-0.07798	0.695864	-0.11207	0.910771	0.981636	chr2	99438630	99439028	+	0	NA	exon (NM_	exon (NM_	51188	NM_01631	51455	Hs.443077	NM_01631	ENSG0000	REV1	AIBP80|R	REV1 DNA	protein-coding
chr21-371	11.39951	-0.07798	0.695864	-0.11207	0.910771	0.981636	chr21	37108102	37110293	+	0	NA	intron (	L1PA4|LI	26250	NM_00331	7267	Hs.368214	NM_00331	ENSG0000	TTC3	DCRR1|RN	tetratri	protein-coding
chr22-29	11.39951	-0.07798	0.695864	-0.11207	0.910771	0.981636	chr22	29281215	29290405	+	0	NA	intron (	intron (	17542	NM_00524	2130	Hs.374477	NM_00524	ENSG0000	EWSR1	EWS|EWS-	EWS RNA	protein-coding
chr9-7401	11.39951	-0.07798	0.695864	-0.11207	0.910771	0.981636	chr9	740158	743079	+	0	NA	intron (	AluY|SIN	34941	NM_001354	23189	Hs.306764	NM_01515	ENSG0000	KANK1	ANKRD15|	KN motif	protein-coding
chr18-164	10.41004	-0.08153	0.730171	-0.11165	0.911097	0.981636	chr18	16433591	16433909	+	0	NA	Intergeni	ALR/Alpha	-1107831	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr21-25	10.41004	-0.08153	0.730171	-0.11165	0.911097	0.981636	chr21	25891439	25891742	+	0	NA	intron (	intron (	-155936	NM_00100	522	Hs.24631	NM_00168	ENSG0000	ATP5PF	ATP5|ATP	ATP synt	protein-coding
chr12-111	4.666365	-0.11774	1.058096	-0.11127	0.911402	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (	AluSc|SI	-16877	NM_00069	217	Hs.604551	NM_00069	ENSG0000	ALDH2	ALDH-E2|	aldehyde	protein-coding
chr2-1751	4.212767	-0.12283	1.105401	-0.11112	0.91152	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	Intergeni	Tigger2b_	-6650	NM_00125	1386	Hs.59251	NM_00188	ENSG0000	ATF2	CRE-BP1|	activati	protein-coding
chr20-35	4.212767	-0.12283	1.105401	-0.11112	0.91152	0.981636	chr20	3596769	3597426	+	0	NA	intron (	L1M4|LIN	66302	NM_02213	64096	Hs.30202	NM_02213	ENSG0000	GFRA4	-	GDNF fami	protein-coding
chr12-497	10.85578	-0.08002	0.721782	-0.11086	0.911726	0.981636	chr12	49752626	49753621	+	0	NA	intron (	intron (	11314	NM_00109	7009	Hs.74396	NM_003217	ENSG0000	TMBIM6	BAXI1|BI-	transmem	protein-coding
chr20-324	10.85578	-0.08002	0.721782	-0.11086	0.911726	0.981636	chr20	32431220	32431839	+	0	NA	intron (	intron (	51961	NM_001351	140688	Hs.51697	NM_08061	ENSG0000	NOL4L	C20orf11	nucleola	protein-coding
chr2-2304	10.45903	-0.08106	0.731904	-0.11076	0.91181	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (	MSTA|LTR|	12072	NM_00120	6672	Hs.36905	NM_00311	ENSG0000	SP100	lysp100b	SP100 nuc	protein-coding
chr2-627	11.39165	-0.07675	0.694615	-0.1105	0.912014	0.981636	chr2	62708269	62712529	+	0	NA	intron (	intron (	3502	NM_001354	23301	Hs.271667	NM_01525	ENSG0000	EHBP1	HPC12|NA	EH domai	protein-coding
chr4-186	11.39165	-0.07675	0.694615	-0.1105	0.912014	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (	GA-rich|	-49364	NM_00595	4543	Hs.243467	NM_00595	ENSG0000	MTNR1A	MEL-1A-R|	melatoni	protein-coding
chr16-224	11.83739	-0.0756	0.684708	-0.11041	0.912081	0.981636	chr16	22474594	22475200	+	0	NA	intron (	intron (	-29552	NR_02445	1E+08	Hs.64843	NR_024456		LOC10019	-	uncharact	ncRNA
chr1-109	5.119964	-0.11445	1.037846	-0.11028	0.912189	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	intron (	38771	NM_00120	6272	Hs.48519	NM_00295	ENSG0000	SORT1	Gp95|LDL	sortilin	protein-coding
chr18-45	10.89692	-0.0784	0.711534	-0.11018	0.912263	0.981636	chr18	45945150	45949360	+	0	NA	intron (	AluSc|SI	20074	NM_020964	57724	Hs.51484	NM_020964	ENSG0000	EPG5	HEEW1|KI	ectopic	protein-coding
chr1-426	11.88639	-0.07524	0.683867	-0.11003	0.912388	0.981636	chr1	42696153	42699322	+	0	NA	intron (	intron (	14601	NR_132737	4904	Hs.47358	NM_00455	ENSG0000	YBX1	BP-8|CBF-	Y-box bi	protein-coding
chr1-4027	8.982677	-0.0886	0.809463	-0.10945	0.912844	0.981636	chr1	40277316	40277738	+	0	NA	intron (	MER5A|DN	19291	NM_005857	10269	Hs.13264	NM_005857	ENSG0000	ZMPSTE24	FACE-1|F	zinc met	protein-coding
chr1-1087	11.87853	-0.07405	0.681697	-0.10863	0.913495	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	THE1C|LT	37821	NM_00726	6814	Hs.53043	NM_00726	ENSG0000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr19-964	11.87853	-0.07405	0.681697	-0.10863	0.913495	0.981636	chr19	9647721	9660335	+	0	NA	intron (	AluSx|SI	21072	NM_01765	54811	Hs.371107	NM_01765	ENSG0000	ZNF562	-	zinc fin	protein-coding
chr11-12	11.3838	-0.07552	0.695432	-0.10859	0.913526	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	exon (NM_	exon (NM_	5026	NM_00119	219902	Hs.64351	NM_17492	ENSG0000	TLCD5	TMEM136	TLC doma	protein-coding
chr20-24	11.3838	-0.07552	0.695432	-0.10859	0.913526	0.981636	chr20	2459401	2467986	+	0	NA	promoter-	promoter-	-646	NR_003684	1E+08		NR_003684		SNORD119	-	small nuc	snoRNA
chr3-525	11.3838	-0.07552	0.695432	-0.10859	0.913526	0.981636	chr3	52585766	52586600	+	0	NA	intron (	AluSg|SI	49578	NM_001124	440957	Hs.660577	NM_001124	ENSG0000	SMIM4	C3orf78	small int	protein-coding
chr5-913	11.3838	-0.07552	0.695432	-0.10859	0.913526	0.981636	chr5	91368189	91378326	+	0	NA	intron (	intron (	6840	NM_00132	57561	Hs.24684	NM_020801	ENSG0000	ARRDC3	TLIMP	arrestin	protein-coding
chr6-317	11.3838	-0.07552	0.695432	-0.10859	0.913526	0.981636	chr6	31730932	31734660	+	0	NA	intron (	AluSx1|SI	-2533	NM_013974	23564	Hs.24736	NM_013974	ENSG0000	DDAH2	DDAH|DDA	dimethyl	protein-coding
chr19-32	4.204909	-0.11967	1.105548	-0.10824	0.913804	0.981636	chr19	32924021	32924898	+	0	NA	intron (	intron (	47499	NM_03281	84902	Hs.59970	NM_03281	ENSG0000	CEP89	CCDC123|	centroso	protein-coding
chr2-106	4.204909	-0.11967	1.105548	-0.10824	0.913804	0.981636	chr2	10600982	10604145	+	0	NA	intron (	intron (	87412	NM_024894	79954	Hs.222494	NM_024894	ENSG0000	NOL10	PQBP5	nucleola	protein-coding
chr2-2104	4.204909	-0.11967	1.105548	-0.10824	0.913804	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	non-codi	non-codi	7121	NM_00113	10314	Hs.13351	NM_00605	ENSG0000	LANCL1	GPR69A|p	LanC lik	protein-coding
chr8-416	4.658507	-0.1149	1.062137	-0.10818	0.913856	0.981636	chr8	41601963	41602408	+	0	NA	intron (	AluSz6|SI	23669	NM_00136	137964	Hs.35575	NM_17881	ENSG0000	GPAT4	1-AGPAT	glycerol-	protein-coding
chr2-273	5.161103	-0.11049	1.02269	-0.10804	0.913963	0.981636	chr2	27363452	27364177	+	0	NA	TTS (NM_	TTS (NM_	6238	NM_17219	8890	Hs.169474	NM_01563	ENSG0000	EIF2B4	EIF-2B|E	eukaryot	protein-coding
chr8-540	10.88906	-0.07706	0.715795	-0.10766	0.914269	0.981636	chr8	54086754	54087597	+	0	NA	intron (	L1MB7|LI	14379	NM_00127	10434	Hs.74404	NM_00633	ENSG0000	LYPLA1	APT-1|AP	lysophos	protein-coding
chr11-11	10.93806	-0.07669	0.712889	-0.10758	0.914331	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (	AluJb|SI	21839	NR_106814	1.02E+08		NR_106814	ENSG0000	MIR6756	hsa-mir-	microRNA	ncRNA
chr7-6681	10.44332	-0.07836	0.73149	-0.10713	0.91469	0.981636	chr7	66810025	66811033	+	0	NA	non-codi	non-codi	34297	NR_003934	729156	Hs.70987	NR_003934	ENSG0000	GTF2IRD1	-	GTF2I re	pseudo
chr9-441	38.59331	0.044743	0.417874	0.107074	0.91473	0.981636	chr9	44150696	44150895	+	0	NA	Intergeni	ALR/Alpha	1024629	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr1-151	11.87068	-0.07287	0.681478	-0.10693	0.914846	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (	HAL1ME|LI	3540	NM_00133	5298	Hs.63246	NM_002651	ENSG0000	PI4KB	NPIK|PI4	phosphati	protein-coding
chr11-86	11.87068	-0.07287	0.681478	-0.10693	0.914846	0.981636	chr11	8683508	8686544	+	0	NA	promoter-	promoter-	-413	NR_002977	677826	Hs.74555	NR_002977	ENSG0000	SNORA3B	ACA3-2|S	small nuc	snoRNA
chr2-959	11.87068	-0.07287	0.681478	-0.10693	0.914846	0.981636	chr2	9598219	9601813	+	0	NA	intron (	Tigger1|	30981	NM_00682	10971	Hs.74405	NM_00682	ENSG0000	YWHAQ	14-3-3|1	tyrosine	protein-coding
chr11-96	12.36541	-0.07159	0.670506	-0.10676	0.914976	0.981636	chr11	9694412	9696150	+	0	NA	intron (	AluSq2|SI	31204	NM_001297	23075	Hs.15302	NM_01505	ENSG0000	SWAP70	HSPC321|	switchin	protein-coding
chr16-214	12.36541	-0.07159	0.670506	-0.10676	0.914976	0.981636	chr16	21470336	21473097	+	0	NA	non-codi	non-codi	-29810	NR_02746	1E+08	Hs.70957	NR_027460		RRN3P3	-	RRN3 hom	pseudo
chr19-38	5.153246	-0.10767	1.015743	-0.106	0.91558	0.981636	chr19	38677750	38678506	+	0	NA	intron (	intron (	30479	NM_00132	81	Hs.270291	NM_004924	ENSG0000	ACTN4	ACTININ-4	actinin	protein-coding
chr17-424	11.42494	-0.07389	0.69769	-0.10591	0.915655	0.981636	chr17	42402641	42405612	+	0	NA	3’ UTR (	3’ UTR (	-15631	NM_13927	6774	Hs.46305	NM_00315	ENSG0000	STAT3	ADMIO|AD	signal t	protein-coding
chr21-44	4.699647	-0.11095	1.052449	-0.10542	0.916039	0.981636	chr21	44804104	44804998	+	0	NA	non-codi	non-codi	2310	NR_10992	1.02E+08	Hs.11614	NR_109928		LINC01424	-	long int	ncRNA
chr19-467	12.35756	-0.07044	0.669366	-0.10523	0.916191	0.981636	chr19	46773965	46783940	+	0	NA	intron (	intron (	5862	NM_00114	6510	Hs.63158	NM_00562	ENSG0000	SLC1A5	AAAT|ASC	solute c	protein-coding
chr22-23	12.35756	-0.07044	0.669366	-0.10523	0.916191	0.981636	chr22	23923966	23926819	+	0	NA	intron (	LTR10G|L	-26462	NR_038911	284889	Hs.63277	NR_038911		MIF-AS1	MIF-AS	MIF anti	ncRNA
chr5-958	12.35756	-0.07044	0.669366	-0.10523	0.916191	0.981636	chr5	95886105	95901399	+	0	NA	intron (	intron (	41520	NR_02693	202299	Hs.8373	NM_17561	ENSG0000	LINC01554	C5orf27|	long int	ncRNA
chr16-214	10.43546	-0.07693	0.734861	-0.10469	0.916623	0.981636	chr16	21430190	21430551	+	0	NA	Intergeni	AluJo|SI	4085	NR_02445	1E+08	Hs.64843	NR_024456		LOC10019	-	uncharact	ncRNA
chr12-10	4.197051	-0.11642	1.11516	-0.1044	0.916852	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	3’ UTR (	3’ UTR (	64652	NM_001031	51559	Hs.48428	NM_01657	ENSG0000	NT5DC3	TU12B1-T	5’-nucle	protein-coding
chr6-897	4.197051	-0.11642	1.11516	-0.1044	0.916852	0.981636	chr6	89768805	89770433	+	0	NA	intron (	intron (	50175	NM_014611	23195	Hs.52994	NM_014611	ENSG0000	MDN1	Rea1	midasin	protein-coding
chrX-476	4.197051	-0.11642	1.11516	-0.1044	0.916852	0.981636	chrX	47639161	47639578	+	0	NA	intron (	intron (	-9064	NM_002621	5199	Hs.53155	NM_002621	ENSG0000	CFP	BFD|PFC|	complemen	protein-coding
chr15-52	4.650649	-0.11211	1.074843	-0.1043	0.91693	0.981636	chr15	52545232	52546163	+	0	NA	Intergeni	L1M2|LIN	-16647	NM_00025	4644	Hs.21213	NM_00025	ENSG0000	MYO5A	GS1|MYH1	myosin V	protein-coding
chr15-447	12.84444	-0.06821	0.658849	-0.10354	0.917538	0.981636	chr15	44715418	44718952	+	0	NA	promoter-	promoter-	-659	NR_16210	1.13E+08		NR_162102		MIR10393	-	microRNA	ncRNA
chr2-1504	12.3497	-0.0693	0.670062	-0.10342	0.917628	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (	intron (	15157	NM_00516	390	Hs.6838	NM_00516	ENSG0000	RND3	ARHE|Rho	Rho fami	protein-coding
chr19-59	5.647984	-0.10225	0.990697	-0.10321	0.917799	0.981636	chr19	5900015	5900873	+	0	NA	intron (	intron (	3346	NM_00119	126328	Hs.40606	NM_175614	ENSG0000	NDUFA11	B14.7|CI-	NADH:ubi	protein-coding
chr11-10	21.04007	-0.05415	0.531131	-0.10194	0.918801	0.981636	chr11	10305240	10308033	+	0	NA	exon (NM_	exon (NM_	1563	NM_001124	133	Hs.441047	NM_001124	ENSG0000	ADM	AM|PAMP	adrenome	protein-coding
chr1-180	10.38646	-0.07694	0.7559	-0.10179	0.918923	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	exon (NM_	exon (NM_	-59113	NM_001004	5768	Hs.71917	NM_00282	ENSG0000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr17-59	11.8961	-0.06896	0.682158	-0.10109	0.919477	0.981636	chr17	59665963	59667888	+	0	NA	exon (NM_	exon (NM_	40673	NM_016077	51651	Hs.12677	NM_016077	ENSG0000	PTRH2	BIT1|CFA	peptidyl-	protein-coding
chr9-116	11.8961	-0.06896	0.682158	-0.10109	0.919477	0.981636	chr9	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	12190	NM_00109	22954	Hs.59191	NM_01221	ENSG0000	TRIM32	BBS11|HT	tripartit	protein-coding
chr7-764	4.23819	-0.11213	1.110225	-0.10099	0.919554	0.981636	chr7	76491275	76491936	+	0	NA	intron (	intron (	11095	NM_00110	113878	Hs.18705	NM_02089	ENSG0000	DTX2	RNF58	deltex E	protein-coding
chr11-31	5.186527	-0.10146	1.010343	-0.10042	0.920011	0.981636	chr11	3152022	3152632	+	0	NA	intron (	MER113|D	12983	NM_001144	114879	Hs.43616	NM_02089	ENSG0000	OSBPL5	OBPH1|OR	oxysterol	protein-coding
chr18-31	5.186527	-0.10146	1.010343	-0.10042	0.920011	0.981636	chr18	31886818	31889171	+	0	NA	intron (	L1PA10|L	55134	NM_01493	22878	Hs.202001	NM_01493	ENSG0000	TRAPPC8	GSG1|HsT	trafficki	protein-coding
chr2-665	5.186527	-0.10146	1.010343	-0.10042	0.920011	0.981636	chr2	66527910	66528728	+	0	NA	intron (	MIR3|SIN	-45711	NR_11015	1.01E+08	Hs.66794	NR_11015	ENSG0000	LINC0179	-	long int	ncRNA
chr9-134	5.186527	-0.10146	1.010343	-0.10042	0.920011	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	12645	NR_039691	1.01E+08		NR_039691	ENSG0000	MIR3689C	-	microRNA	ncRNA
chr1-287	5.13753	-0.10248	1.022722	-0.1002	0.920186	0.981636	chr1	28761643	28763494	+	0	NA	intron (	intron (	25628	NM_00117	51441	Hs.53228	NM_01625	ENSG0000	YTHDF2	CAHL|HGR	YTH N6-m	protein-coding
chr1-4074	5.13753	-0.10248	1.022722	-0.1002	0.920186	0.981636	chr1	40743586	40744218	+	0	NA	intron (	MER5A1|D	5066	NM_00130	4802	Hs.713051	NM_01422	ENSG0000	NFYC	CBF-C|CB	nuclear t	protein-coding
chr2-182	11.40136	-0.07014	0.700169	-0.10018	0.920201	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (	L1PA4|LI	77071	NM_01343	10787	Hs.60373	NM_01343	ENSG0000	NCKAP1	HEM2|NAP1	NCK asso	protein-coding
chr1-6364	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr1	63648271	63648975	+	0	NA	exon (NM_	exon (NM_	25407	NM_00117	5236	Hs.1869	NM_00263	ENSG0000	PGM1	CDG1T|GS	phosphog	protein-coding
chr1-145	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (	MIR|SINE|	26689	NM_001097	653519	Hs.50432	NM_001097	ENSG0000	GPR89A	GPHR|GPR	G protei	protein-coding
chr10-684	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr10	68458178	68459069	+	0	NA	intron (	AluSx1|SI	13350	NM_00108	1763	Hs.53244	NM_00108	ENSG0000	DNA2	DNA2L|hD	DNA repli	protein-coding
chr2-1201	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (	L1ME3Cz|L	75280	NM_024121	79134	Hs.37672	NM_024121	ENSG0000	TMEM185B	FAM11B	transmem	protein-coding
chr20-39	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr20	39012052	39013006	+	0	NA	intron (	intron (	50185	NM_00119	60625	Hs.44452	NM_021931	ENSG0000	DHX35	C20orf15|	DEAH-box	protein-coding
chr5-140	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (	AluSx3|SI	-5126	NM_19424	373863	Hs.59126	NM_19424	ENSG0000	DND1	RBMS4	DND micr	protein-coding
chr7-400	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr7	40066238	40067437	+	0	NA	intron (	Tigger13a	67785	NM_138701	136647	Hs.65498	NM_138701	ENSG0000	MPLKIP	ABHS|C7o	M-phase	protein-coding
chr8-616	4.683931	-0.10522	1.052581	-0.09996	0.920375	0.981636	chr8	61692589	61694968	+	0	NA	intron (	L2b|LINE|	-3967	NM_020164	444	Hs.33242	NM_00431	ENSG0000	ASPH	AAH|BAH|	aspartat	protein-coding
chr3-915	23.92807	-0.05083	0.509615	-0.09974	0.920549	0.981636	chr3	91552664	91553195	+	0	NA	Intergeni	ALR/Alpha	2421152	NM_001314	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr19-12	12.87772	-0.0657	0.659589	-0.0996	0.920661	0.981636	chr19	1253741	1258118	+	0	NA	intron (	intron (	7376	NM_177401	90007	Hs.46552	NM_177401	ENSG0000	MIDN	-	midnolin	protein-coding
chr17-17	4.189193	-0.11299	1.136172	-0.09944	0.920786	0.981636	chr17	17815997	17816636	+	0	NA	exon (NM_	exon (NM_	-2385	NR_030361	693120		NR_030361	ENSG0000	MIR33B	MIRN33B|	microRNA	ncRNA
chr9-436	19.86951	0.054441	0.548583	0.09924	0.920948	0.981636	chr9	43680455	43680667	+	0	NA	Intergeni	ALR/Alpha	554395	NR_16066	1.03E+08		NR_160669		LOC102724	-	methylen	pseudo
chr15-43	5.632268	-0.09699	0.978304	-0.09914	0.921028	0.981636	chr15	43062087	43062769	+	0	NA	intron (	L1MB3|LI	43610	NM_17491	197131	Hs.591121	NM_17491	ENSG0000	UBR1	JBS	ubiquiti	protein-coding
chr3-120	5.632268	-0.09699	0.978304	-0.09914	0.921028	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	83855	NR_16212	1.14E+08		NR_162125		MIR6529	-	microRNA	ncRNA

chr10-739	11.88824	-0.06776	0.683889	-0.09908	0.921077	0.981636	chr10	73912172	73917750	+	0	NA	intron (N	intron (N	3829	NM_002658	5328	Hs.77274	NM_002658	ENSG00000	PLAU	ATF|BDPLT	plasminog	protein-coding
chr6-7289	10.41974	-0.07384	0.749242	-0.09855	0.921493	0.981636	chr6	7289723	7290442	+	0	NA	intron (N	intron (N	23117	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr12-453	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr12	45383090	45385050	+	0	NA	intron (N	Tigger1|D	91380	NM_001142	196527	Hs.505339	NM_001025	ENSG00000	ANO6	BDPLT7|SC	anoctamin	protein-coding
chr15-653	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr15	65397275	65398082	+	0	NA	intron (N	FLAM_C|SI	-19676	NM_004884	9543	Hs.128292	NM_004884	ENSG00000	IGDCC3	HsT18880|	immunoglo	protein-coding
chr2-2010	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluY|SINE	27906	NM_001321	285172	Hs.24701	NM_173822	ENSG00000	FAM126B	HYCC2	family wi	protein-coding
chr22-264	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr22	26480589	26481437	+	0	NA	intron (N	intron (N	-1332	NM_152841	89781	Hs.474436	NM_022081	ENSG00000	HPS4	BLOC3S2|L	HPS4 biog	protein-coding
chr6-1112	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11238	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr6-1571	5.178669	-0.09875	1.003486	-0.09841	0.921607	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	138087	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6c	transmemb	protein-coding
chr1-1539	12.86986	-0.06459	0.657624	-0.09822	0.921759	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx1|SI	2894	NM_001030	6232	Hs.546291	NM_001030	ENSG00000	RPS27	DBA17|MPS	ribosomal	protein-coding
chr11-582	12.86986	-0.06459	0.657624	-0.09822	0.921759	0.981636	chr11	582054	585960	+	0	NA	intron (N	intron (N	7537	NM_001286	57661	Hs.325838	NM_020901	ENSG00000	PHRF1	PPP1R125|	PHD and r	protein-coding
chr20-621	12.86986	-0.06459	0.657624	-0.09822	0.921759	0.981636	chr20	62137414	62140667	+	0	NA	intron (N	intron (N	4354	NM_002792	5688	Hs.233952	NM_002792	ENSG00000	PSMA7	C6|HEL-S-	proteasom	protein-coding
chr5-1093	12.86986	-0.06459	0.657624	-0.09822	0.921759	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	MSTA|LTR|	41091	NM_014819	9867	Hs.483036	NM_014819	ENSG00000	PJA2	Neurodap1	praja rin	protein-coding
chr8-4310	12.86986	-0.06459	0.657624	-0.09822	0.921759	0.981636	chr8	43102241	43112873	+	0	NA	intron (N	AluSg|SIN	14042	NM_032237	84197	Hs.491646	NM_032237	ENSG00000	POMK	MDDGA12|M	protein (	protein-coding
chr11-108	4.230332	-0.10894	1.11037	-0.09811	0.921844	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	Intergeni	MER46C|DN	33936	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr19-119	4.230332	-0.10894	1.11037	-0.09811	0.921844	0.981636	chr19	11933587	11934364	+	0	NA	intron (N	AluSz6|SI	8868	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr7-9439	12.37512	-0.06554	0.669733	-0.09786	0.922041	0.981636	chr7	94395708	94431041	+	0	NA	intron (N	intron (N	18813	NM_000089	1278	Hs.489142	NM_000089	ENSG00000	COL1A2	EDSARTH2|	collagen	protein-coding
chr11-754	12.862	-0.06349	0.657399	-0.09658	0.923062	0.981636	chr11	75400672	75406761	+	0	NA	promoter-	promoter-	-705	NR_000025	114599	Hs.689080	NR_000025	ENSG00000	SNORD15B	RNU15B|U1	small nuc	snoRNA
chr3-1979	12.862	-0.06349	0.657399	-0.09658	0.923062	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	exon (NM_	exon (NM_	3917	NM_000996	6165	Hs.529631	NM_000996	ENSG00000	RPL35A	DBA5|L35A	ribosomal	protein-coding
chr4-1196	12.862	-0.06349	0.657399	-0.09658	0.923062	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	4279	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr10-598	5.129672	-0.09997	1.037441	-0.09637	0.92323	0.981636	chr10	59807808	59808213	+	0	NA	intron (N	intron (N	-54555	NM_001304	1.01E+08	Hs.648790	NM_001304	ENSG00000	MRLN	LINC00948	myoreguli	protein-coding
chr19-209	4.725071	-0.10139	1.05214	-0.09637	0.923231	0.981636	chr19	2098400	2099938	+	0	NA	intron (N	intron (N	2254	NM_001039	113177	Hs.424049	NM_052878	ENSG00000	IZUMO4	C19orf36|	IZUMO fam	protein-coding
chr1-4560	4.676073	-0.10231	1.06496	-0.09607	0.923466	0.981636	chr1	45609749	45610524	+	0	NA	intron (N	AluSx4|SI	13918	NM_001190	149483	Hs.18912	NM_152500	ENSG00000	CCDC17	-	coiled-co	protein-coding
chr13-952	4.676073	-0.10231	1.06496	-0.09607	0.923466	0.981636	chr13	95249722	95250884	+	0	NA	intron (N	intron (N	39959	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr17-829	4.676073	-0.10231	1.06496	-0.09607	0.923466	0.981636	chr17	82941812	82942519	+	0	NA	TTS (NM_0	TTS (NM_0	64823	NR_135466	146712	Hs.607824	NM_001009	ENSG00000	B3GNTL1	3-Gn-T8|B	UDP-GlcNA	protein-coding
chr19-529	4.676073	-0.10231	1.06496	-0.09607	0.923466	0.981636	chr19	52927346	52928777	+	0	NA	non-codin	non-codin	-10130	NM_001310	388559		NM_001310	ENSG00000	ZNF888	-	zinc fing	protein-coding
chr5-6570	4.676073	-0.10231	1.06496	-0.09607	0.923466	0.981636	chr5	65705704	65706819	+	0	NA	intron (N	intron (N	15848	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr11-117	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	MLT1J|LTR	59802	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr13-467	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr13	46732101	46733794	+	0	NA	intron (N	intron (N	64214	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr16-195	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr16	19505727	19506558	+	0	NA	intron (N	L1MC5|LIN	15956	NR_136689	51573	Hs.512607	NM_016641	ENSG00000	GDE1	363E6.2|M	glyceroph	protein-coding
chr16-676	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr16	67635376	67637100	+	0	NA	intron (N	AluSx|SIN	-8906	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr17-732	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr17	73218288	73220548	+	0	NA	intron (N	AluY|SINE	8299	NM_001289	84923	Hs.741276	NM_032837	ENSG00000	FAM104A	-	family wi	protein-coding
chr2-6126	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr2	61267655	61269212	+	0	NA	intron (N	MSTB|LTR|	91015	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr22-314	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr22	31448041	31450110	+	0	NA	intron (N	AluSx|SIN	40481	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr7-9235	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr7	92354293	92355223	+	0	NA	intron (N	intron (N	82556	NR_145992	1.05E+08		NM_001317	ENSG00000	TMBIM7P	-	transmemb	pseudo
chr8-5408	5.170811	-0.09614	1.00349	-0.09581	0.923674	0.981636	chr8	54089401	54090106	+	0	NA	intron (N	AluJb|SIN	11801	NM_001279	10434	Hs.744046	NM_006330	ENSG00000	LYPLA1	APT-1|APT	lysophosp	protein-coding
chr6-1066	6.119148	-0.09038	0.947764	-0.09536	0.924025	0.981636	chr6	1.07E+08	1.07E+08	+	0	NA	intron (N	MIRb|SINE	-23518	NM_001318	84816	Hs.155839	NM_032730	ENSG00000	RTN4IP1	NIMP|OPA1	reticulon	protein-coding
chr1-1226	29.75365	0.044698	0.46934	0.095236	0.924127	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1163975	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-9261	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr1	92619272	92619886	+	0	NA	intron (N	L1MCa|LIN	-132654	NM_005263	2672	Hs.73172	NM_005263	ENSG00000	GFI1	GFI-1|GFI	growth fa	protein-coding
chr11-117	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	8419	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr15-619	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr15	61913259	61914248	+	0	NA	intron (N	intron (N	146694	NM_017684	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr19-351	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr19	3518955	3519745	+	0	NA	intron (N	intron (N	-3606	NM_001136	51343	Hs.413133	NM_016263	ENSG00000	FZR1	CDC20C|CD	fizzy and	protein-coding
chr19-454	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr19	45420805	45422262	+	0	NA	intron (N	AluSg7|SI	1995	NM_001369	2067	Hs.435981	NM_001983	ENSG00000	ERCC1	COFS4|RAD	ERCC exci	protein-coding
chr2-1830	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	16409	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr21-326	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr21	32635897	32636736	+	0	NA	intron (N	intron (N	-23445	NM_001350	56683	Hs.5811	NM_017835	ENSG00000	CFAP298	C21orf48|	cilia and	protein-coding
chr7-1021	5.665549	-0.09117	0.967091	-0.09427	0.924896	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-169166	NM_020979	10603	Hs.489448	NM_020979	ENSG00000	SH2B2	APS	SH2B adap	protein-coding
chr16-651	4.222474	-0.10555	1.120036	-0.09424	0.924917	0.981636	chr16	65116697	65117340	+	0	NA	intron (N	intron (N	5045	NM_001797	1009	Hs.116471	NM_001797	ENSG00000	CDH11	CAD11|CDH	cadherin	protein-coding
chr2-2325	4.222474	-0.10555	1.120036	-0.09424	0.924917	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluJr|SIN	10410	NM_001330	9470	Hs.292026	NM_004846	ENSG00000	EIF4E2	4E-LP|4EH	eukaryoti	protein-coding
chr7-1588	4.222474	-0.10555	1.120036	-0.09424	0.924917	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSz|SIN	28897	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SR	WD repeat	protein-coding
chr17-288	4.717213	-0.09856	1.048283	-0.09402	0.925096	0.981636	chr17	28829475	28830620	+	0	NA	intron (N	AluSc8|SI	12743	NM_001288	55731	Hs.564533	NM_018182	ENSG00000	FAM222B	C17orf63	family wi	protein-coding
chr2-9661	4.717213	-0.09856	1.048283	-0.09402	0.925096	0.981636	chr2	96619709	96620473	+	0	NA	intron (N	intron (N	17900	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr3-1411	4.717213	-0.09856	1.048283	-0.09402	0.925096	0.981636	chr3	14113875	14115088	+	0	NA	intron (N	intron (N	10389	NM_001098	131474	Hs.517815	NM_144636	ENSG00000	CHCHD4	MIA40|TIM	coiled-co	protein-coding
chr12-108	8.984341	0.079684	0.847628	0.094008	0.925102	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MIR|SINE|	12780	NM_014706	9733	Hs.584842	NM_014706	ENSG00000	SART3	DSAP1|P10	spliceoso	protein-coding
chr16-197	12.46877	0.063842	0.685084	0.093188	0.925754	0.981636	chr16	19714375	19714619	+	0	NA	exon (NM_	exon (NM_	-1959	NM_001305	124152	Hs.460217	NM_153208	ENSG00000	IQCK	-	IQ motif	protein-coding
chr1-1009	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MC5a|LI	46284	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr10-608	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr10	60870644	60871969	+	0	NA	3’ UTR (N	3’ UTR (N	72879	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr13-210	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr13	21057023	21057861	+	0	NA	intron (N	intron (N	4144	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr19-104	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr19	10484464	10485421	+	0	NA	Intergeni	Intergeni	17829	NM_012289	9817	Hs.465870	NM_012289	ENSG00000	KEAP1	INrf2|KLH	kelch lik	protein-coding
chr2-1518	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr2	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	15026	NM_001037	26225	Hs.470233	NM_012097	ENSG00000	ARL5A	ARFLP5|AR	ADP ribos	protein-coding
chr3-1250	5.162953	-0.09356	1.010361	-0.0926	0.926222	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSq2|SI	-43760	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr20-354	5.657692	-0.08871	0.964082	-0.09202	0.926686	0.981636	chr20	3549524	3550193	+	0	NA	intron (N	intron (N	78840	NM_001323	8455	Hs.276252	NM_012070	ENSG00000	ATRN	DPPT-L|MG	attractin	protein-coding
chr4-1976	5.657692	-0.08871	0.964082	-0.09202	0.926686	0.981636	chr4	1976638	1978174	+	0	NA	intron (N	intron (N	2770	NR_003004	677770	Hs.676951	NR_003004	ENSG00000	SCARNA22	ACA11	small Caj	ncRNA
chr4-1126	5.657692	-0.08871	0.964082	-0.09202	0.926686	0.981636	chr4	1.13E+08	1.13E+08	+	0	NA	promoter-	promoter-	-956	NR_146092	1.1E+08	Hs.642978	NR_146092	ENSG00000	MIR302CHG	-	miR-302/3	ncRNA
chr6-1664	5.657692	-0.08871	0.964082	-0.09202	0.926686	0.981636	chr6	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	-36253	NR_073093	51660	Hs.172755	NM_016098	ENSG00000	MPC1	BRP44L|CG	mitochond	protein-coding
chr9-1274	13.38216	-0.05917	0.647495	-0.09139	0.927186	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	AluSq2|SI	6662	NR_002449	26783	Hs.408054	NR_002449	ENSG00000	SNORA65	RNU65|U65	small nuc	snoRNA
chr12-561	11.37779	-0.06598	0.722406	-0.09133	0.927232	0.981636	chr12	56117342	56117711	+	0	NA	promoter-	promoter-	-740	NM_001303	84872	Hs.632706	NM_032786	ENSG00000	ZC3H10	ZC3HDC10	zinc fing	protein-coding
chr11-654	19.81867	0.049659	0.545165	0.091089	0.927422	0.981636	chr11	65423216	65426063	+	0	NA	non-codin	non-codin	1841	NR_028272	283131	Hs.523789	NR_002802	ENSG00000	NEAT1	LINC00084	nuclear p	ncRNA
chr22-456	12.88743	-0.05987	0.658099	-0.09098	0.927512	0.981636	chr22	45693022	45694539	+	0	NA	intron (N	MLT1B|LTR	21946	NM_013236	25814	Hs.475125	NM_013236	ENSG00000	ATXN10	E46L|HUME	ataxin 10	protein-coding
chr7-7319	12.88743	-0.05987	0.658099	-0.09098	0.927512	0.981636	chr7	73197465	73203692	+	0	NA	non-codin	non-codin	-20061	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr1-4569	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr1	45696781	45697786	+	0	NA	intron (N	AluSz|SIN	9102	NM_016486	51249	Hs.699548	NM_016486	ENSG00000	TMEM69	C1orf154	transmemb	protein-coding
chr11-874	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr11	8748287	8749286	+	0	NA	intron (N	intron (N	-19992	NR_120590	1.03E+08	Hs.613276	NR_120590		LOC102724	-	uncharact	ncRNA
chr11-737	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr11	73725626	73726802	+	0	NA	intron (N	AluSx4|SI	33879	NM_001243	5870	Hs.503222	NM_002869	ENSG00000	RAB6A	RAB6	RAB6A, me	protein-coding
chr17-754	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr17	75496867	75497730	+	0	NA	intron (N	intron (N	-1250	NR_106843	1.02E+08		NR_106843	ENSG00000	MIR6785	hsa-mir-6	microRNA	ncRNA
chr19-143	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr19	14397296	14398278	+	0	NA	exon (NM_	exon (NM_	16343	NM_078481	976	Hs.466039	NM_001784	ENSG00000	ADGRE5	CD97|TM7L	adhesion	protein-coding
chr2-1902	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	L1MEc|LIN	63264	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chrX-1683	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chrX	16834552	16835116	+	0	NA	intron (N	intron (N	35029	NM_001198	5931	Hs.495755	NM_002893	ENSG00000	RBBP7	RbAp46	RB bindin	protein-coding
chrX-1347	4.709355	-0.09565	1.052267	-0.0909	0.92757	0.981636	chrX	1.35E+08	1.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-6436	NM_001316	10761	Hs.496811	NM_021796	ENSG00000	PLAC1	CT92|OOSP	placenta	protein-coding
chr2-2031	6.15243	-0.08493	0.937491	-0.09059	0.927816	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluJo|SIN	-105883	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr17-546	5.204093	-0.0901	0.999569	-0.09014	0.928175	0.981636	chr17	5462119	5462951	+	0	NA	exon (NM_	exon (NM_	6447	NM_001199	56919	Hs.250456	NM_020162	ENSG00000	DHX33	DDX33	DEAH-box	protein-coding
chr2-2305	5.204093	-0.0901	0.999569	-0.09014	0.928175	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	MER68|LTR	88025	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr2-2153	13.37431	-0.05811	0.646445	-0.08989	0.928372	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	50954	NM_001365	2335	Hs.203717	NM_002026	ENSG00000	FN1	CIG|ED-B|	fibronect	protein-coding
chr3-5035	6.59817	-0.08268	0.92011	-0.08986	0.928397	0.981636	chr3	50353506	50354143	+	0	NA	TTS (NM_0	TTS (NM_0	2962	NM_001291	11068	Hs.149443	NM_007022	ENSG00000	CYB561D2	101F6|TSP	cytochrom	protein-coding
chr10-428	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr10	42803984	42804703	+	0	NA	intron (N	L1ME1|LIN	21548	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr10-794	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr10	79425606	79426089	+	0	NA	intron (N	intron (N	19777	NM_153367	219654	Hs.523080	NM_153367	ENSG00000	ZCCHC24	C10orf56|	zinc fing	protein-coding
chr11-879	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr11	8798400	8799927	+	0	NA	intron (N	intron (N	11511	NM_213618	6764	Hs.117715	NM_005418	ENSG00000	ST5	DENND2B|H	suppressi	protein-coding
chr12-123	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	16313	NM_001516	2967	Hs.355348	NM_001516	ENSG00000	GTF2H3	BTF2|P34|	general t	protein-coding
chr13-331	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr13	33152537	33153874	+	0	NA	intron (N	intron (N	32886	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr14-313	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr14	31379875	31382723	+	0	NA	intron (N	intron (N	39251	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr17-109	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr17	1095266	1096233	+	0	NA	intron (N	intron (N	13353	NM_001092	29	Hs.159306	NM_001092	ENSG00000	ABR	MDB	ABR activ	protein-coding
chr2-1329	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	71037	NR_135572	1.02E+08	Hs.680114	NR_135572	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr22-425	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr22	42511587	42512357	+	0	NA	3’ UTR (N	3’ UTR (N	7824	NM_015703	27341	Hs.745006	NM_015703	ENSG00000	RRP7A	BK126B4.3	ribosomal	protein-coding
chr3-1503	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr3	15037987	15038650	+	0	NA	intron (N	intron (N	26997	NM_022497	64432	Hs.657764	NM_022497	ENSG00000	MRPS25	MRP-S25|F	mitochond	protein-coding
chr3-4866	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr3	48666339	48666894	+	0	NA	intron (N	L1M5|LINE	2848	NR_111921	1.03E+08	Hs.663571	NR_111921	ENSG00000	LINC02585	CELSR3-AS	long inte	ncRNA
chr4-1393	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-75161	NM_001184	4717	Hs.84549	NM_002494	ENSG00000	NDUFC1	KFYI	NADH:ubiq	protein-coding
chr7-1356	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	AluJb|SIN	-43291	NM_001130	647087	Hs.200022	NM_001130	ENSG00000	STMP1	C7orf73|F	short tra	protein-coding
chr8-9633	5.649834	-0.08633	0.967009	-0.08928	0.928859	0.981636	chr8	96333119	96334641	+	0	NA	3’ UTR (N	3’ UTR (N	52768	NR_125829	1.03E+08	Hs.571415	NR_125828	ENSG00000	LOC102724	-	uncharact	ncRNA
chr17-766	5.155095	-0.09094	1.025063	-0.08871	0.929311	0.981636	chr17	76684123	76684632	+	0	NA	intron (N	intron (N	4286	NM_001363	439921	Hs.250723	NM_198530	ENSG00000	MXRA7	-	matrix re	protein-coding
chr11-662	6.144572	-0.08257	0.932099	-0.08859	0.92941	0.981636	chr11	66259772	66261248	+	0	NA	intron (N	AluJb|SIN	2807	NM_001318	64837	Hs.280792	NM_022822	ENSG00000	KLC2	-	kinesin l	protein-coding
chr22-458	5.698831	-0.08563	0.969766	-0.0883	0.929635	0.981636	chr22	45847901	45848721	+	0	NA	Intergeni	MSTA|LTR|	87787	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-5285	5.698831	-0.08563	0.969766	-0.0883	0.929635	0.981636	chr3	52851438	52852190	+	0	NA	intron (N	intron (N	-5262	NR_107031	1.02E+08		NR_107031	ENSG00000	MIR8064	hsa-mir-8	microRNA	ncRNA
chr5-1347	5.698831	-0.08563	0.969766	-0.0883	0.929635	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	4150	NM_001745	819	Hs.529846	NM_001745	ENSG00000	CAMLG	CAML|GET2	calcium m	protein-coding
chr9-1274	5.698831	-0.08563	0.969766	-0.0883	0.929635	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	3552	NM_014580	29988	Hs.179522	NM_014580	ENSG00000	SLC2A8	GLUT8|GLU	solute ca	protein-coding
chr8-1026	13.36645	-0.05704	0.647041	-0.08816	0.929748	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	non-codin	non-codin	4244	NR_103760	7071	Hs.435001	NM_005655	ENSG00000	KLF10	EGR-alpha	Kruppel l	protein-coding
chr1-2081	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr1	20815822	20817502	+	0	NA	intron (N	SVA_E|Ret	-29974	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-2186	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr1	21862970	21863577	+	0	NA	intron (N	AluY|SINE	51008	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr1-5205	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr1	52050586	52052439	+	0	NA	intron (N	AluSx|SIN	594	NR_126385	1.04E+08	Hs.603708	NR_126385	ENSG00000	TXNDC12-A	-	TXNDC12 a	ncRNA
chr10-877	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr10	87725756	87729130	+	0	NA	exon (NM_	exon (NM_	67565	NM_001015	9060	Hs.524491	NM_004670	ENSG00000	PAPSS2	ATPSK2|BC	3’-phosph	protein-coding
chr11-108	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	28422	NM_001321	4863	Hs.171061	NM_002519	ENSG00000	NPAT	E14|E14/N	nuclear p	protein-coding
chr15-490	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr15	49022937	49024519	+	0	NA	intron (N	L1MC4a|LI	22718	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr19-438	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr19	43896225	43896950	+	0	NA	intron (N	L1ME3|LIN	5216	NR_038334	1.01E+08	Hs.76561	NR_038334	ENSG00000	LOC100505	-	uncharact	ncRNA
chr2-2575	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr2	25752640	25755264	+	0	NA	intron (N	intron (N	40739	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr2-1125	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1HS|LINE	25235	NM_153712	150465	Hs.358997	NM_153712	ENSG00000	TTL	-	tubulin t	protein-coding
chr2-1208	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	57206	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr2-1866	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	exon (NM_	exon (NM_	-42033	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr20-252	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr20	25297358	25297990	+	0	NA	3’ UTR (N	3’ UTR (N	49589	NM_002862	5834	Hs.368157	NM_002862	ENSG00000	PYGB	GPBB	glycogen	protein-coding
chr20-491	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr20	49112935	49113701	+	0	NA	TTS (NM_0	TTS (NM_0	67006	NM_001316	1434	Hs.90073	NM_001316	ENSG00000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr5-1396	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8007	NM_001317	51523	Hs.189119	NM_016463	ENSG00000	CXXC5	CF5|HSPC1	CXXC fing	protein-coding
chr7-5973	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr7	5973098	5973951	+	0	NA	exon (NM_	exon (NM_	-2841	NM_173565	222967	Hs.442339	NM_173565	ENSG00000	RSPH10B	-	radial sp	protein-coding
chr7-7291	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr7	72914816	72916357	+	0	NA	intron (N	AluSx|SIN	24959	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr7-1587	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	Charlie1a	-31892	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chrX-2367	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chrX	23674780	23675841	+	0	NA	intron (N	intron (N	7817	NM_006406	10549	Hs.83383	NM_006406	ENSG00000	PRDX4	AOE37-2|A	peroxired	protein-coding
chrX-1156	5.196235	-0.0875	0.999572	-0.08754	0.930241	0.981636	chrX	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	44002	NM_001282	5358	Hs.496622	NM_005032	ENSG00000	PLS3	BMND18|T-	plastin 3	protein-coding
chr18-277	6.590312	-0.0806	0.922406	-0.08738	0.930367	0.981636	chr18	2779758	2780074	+	0	NA	intron (N	intron (N	-67090	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr20-385	7.025263	0.080299	0.923065	0.086992	0.930678	0.981636	chr20	38529039	38529332	+	0	NA	intron (N	Tigger2b_	12622	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR54802	-	microRNA	ncRNA

chr8-4802	4.701497	-0.0926	1.064636	-0.08697	0.930691	0.981636	chr8	48026234	48027457	+	0	NA	intron (N	L1MB8|LIN	18414	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitin	protein-coding
chr5-4955	19.36322	0.048185	0.555038	0.086814	0.93082	0.981636	chr5	49555906	49557483	+	0	NA	Intergeni	ALR/Alpha	884594	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-1727	15.40762	0.052903	0.610999	0.086584	0.931002	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	2007	NM_004417	1843	Hs.171695	NM_004417	ENSG00000	DUSP1	CL100|HVH	dual spec	protein-coding
chr12-124	5.690973	-0.08316	0.960457	-0.08658	0.931005	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	Tigger18a	32967	NM_032656	57647	Hs.107382	NM_032656	ENSG00000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-327	5.690973	-0.08316	0.960457	-0.08658	0.931005	0.981636	chr13	32773291	32773931	+	0	NA	intron (N	intron (N	138041	NR_047020	1.01E+08	Hs.406290	NR_047020		LINC00423	-	long inte	ncRNA
chr16-475	5.690973	-0.08316	0.960457	-0.08658	0.931005	0.981636	chr16	47546387	47547237	+	0	NA	intron (N	L1PA6|LIN	85481	NM_001031	5257	Hs.78060	NM_000293	ENSG00000	PHKB	-	phosphory	protein-coding
chr3-9666	5.690973	-0.08316	0.960457	-0.08658	0.931005	0.981636	chr3	9666275	9667798	+	0	NA	intron (N	intron (N	17531	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr1-2201	9.023631	0.069682	0.804919	0.08657	0.931013	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	L2a|LINE|	-34464	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr6-3477	11.45202	0.060851	0.704963	0.086318	0.931213	0.981636	chr6	34773458	34774411	+	0	NA	TTS (NM_0	TTS (NM_0	16429	NM_003093	6631	Hs.1063	NM_003093	ENSG00000	SNRPC	U1C|Yhc1	small nuc	protein-coding
chr3-1217	6.136714	-0.08033	0.932021	-0.08619	0.931316	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSg|SIN	-21788	NM_001256	2804	Hs.213389	NM_004487	ENSG00000	GOLGB1	GCP|GCP37	golgin B1	protein-coding
chr10-792	5.641976	-0.08399	0.976306	-0.08602	0.931447	0.981636	chr10	79204586	79206505	+	0	NA	intron (N	intron (N	136579	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr11-674	5.641976	-0.08399	0.976306	-0.08602	0.931447	0.981636	chr11	67440274	67440638	+	0	NA	intron (N	intron (N	-2774	NM_005608	5790	Hs.155975	NM_005608	ENSG00000	PTPRCAP	CD45-AP|L	protein t	protein-coding
chr2-2706	5.641976	-0.08399	0.976306	-0.08602	0.931447	0.981636	chr2	27064866	27065756	+	0	NA	intron (N	intron (N	6343	NM_001134	1E+08	Hs.502948	NM_001134	ENSG00000	OST4	-	oligosacc	protein-coding
chr2-1282	5.641976	-0.08399	0.976306	-0.08602	0.931447	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	(AAAC)n|S	30171	NM_004807	9394	Hs.512841	NM_004807	ENSG00000	HS6ST1	HH15|HS6S	heparan s	protein-coding
chr4-4757	5.641976	-0.08399	0.976306	-0.08602	0.931447	0.981636	chr4	47576925	47577910	+	0	NA	intron (N	intron (N	-75252	NR_107020	1.02E+08		NR_107020	ENSG00000	MIR8053	hsa-mir-8	microRNA	ncRNA
chr6-1393	17.84387	0.048883	0.569906	0.085774	0.931646	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	1047	NM_001168	10370	Hs.82071	NM_006079	ENSG00000	CITED2	ASD8|MRG-	Cbp/p300	protein-coding
chr20-349	8.503469	0.070669	0.82434	0.085728	0.931682	0.981636	chr20	34929802	34930001	+	0	NA	intron (N	L2c|LINE|	25734	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr19-343	6.631452	-0.07746	0.905605	-0.08554	0.931836	0.981636	chr19	34352997	34354711	+	0	NA	3’ UTR (N	3’ UTR (N	-10886	NM_001184	2821	Hs.466471	NM_000175	ENSG00000	GPI	AMF|GNPI|	glucose-6	protein-coding
chr9-1333	13.84547	-0.05442	0.637375	-0.08538	0.931959	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	promoter-	promoter-	44	NR_000016	26813		NR_000016	ENSG00000	SNORD36C	RNU36C|U3	small nuc	snoRNA
chr17-788	9.981676	0.064199	0.755025	0.085029	0.932238	0.981636	chr17	78807227	78807924	+	0	NA	exon (NM_	exon (NM_	-25233	NM_004762	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesin	protein-coding
chr9-9921	9.453656	0.066778	0.785681	0.084994	0.932266	0.981636	chr9	99218133	99218503	+	0	NA	exon (NM_	exon (NM_	3624	NR_024532	85365	Hs.40919	NM_033087	ENSG00000	ALG2	CDG1I|CDG	ALG2 alph	protein-coding
chr20-200	6.185711	-0.0798	0.939732	-0.08492	0.932327	0.981636	chr20	20026435	20027004	+	0	NA	intron (N	intron (N	8924	NM_181527	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr20-284	6.185711	-0.0798	0.939732	-0.08492	0.932327	0.981636	chr20	28402081	28402763	+	0	NA	Intergeni	ALR/Alpha	200243	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-1382	6.185711	-0.0798	0.939732	-0.08492	0.932327	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	2190	NM_014331	23657	Hs.390594	NM_014331	ENSG00000	SLC7A11	CCBR1|xCT	solute ca	protein-coding
chr2-1018	12.41007	0.057396	0.677483	0.084719	0.932485	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	134173	NM_145687	9448	Hs.701013	NM_004834	ENSG00000	MAP4K4	FLH21957|	mitogen-a	protein-coding
chr1-2250	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr1	22508177	22509858	+	0	NA	intron (N	intron (N	-54472	NM_001006	2046	Hs.283613	NM_020526	ENSG00000	EPHA8	EEK|EK3|H	EPH recep	protein-coding
chr12-102	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr12	1029049	1030428	+	0	NA	intron (N	intron (N	1990	NM_001301	23085	Hs.601216	NM_178039	ENSG00000	ERC1	Cast2|ELK	ELKS/RAB6	protein-coding
chr13-252	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr13	25272046	25272849	+	0	NA	intron (N	L1M5|LINE	15041	NM_004685	9107	Hs.643702	NM_004685	ENSG00000	MTMR6	-	myotubula	protein-coding
chr13-421	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr13	42162042	42162378	+	0	NA	intron (N	intron (N	24152	NM_001204	160851	Hs.630380	NM_152910	ENSG00000	DGKH	DGKeta	diacylgly	protein-coding
chr16-469	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr16	4695496	4696267	+	0	NA	TTS (NM_0	TTS (NM_0	2163	NM_001370	84309	Hs.513315	NM_032349	ENSG00000	NUDT16L1	SDOS|TIRR	nudix hyd	protein-coding
chr16-689	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr16	68933261	68933891	+	0	NA	intron (N	MLT1H|LTR	90045	NM_024562	79613	Hs.13526	NM_024562	ENSG00000	TANGO6	TMCO7	transport	protein-coding
chr17-371	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr17	37128257	37129302	+	0	NA	intron (N	intron (N	95034	NR_036056	1E+08		NR_036056	ENSG00000	MIR2909	-	microRNA	ncRNA
chr18-353	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr18	35310094	35310551	+	0	NA	non-codin	non-codin	20050	NR_024566	10778	Hs.314246	NM_006629	ENSG00000	ZNF271P	CT-ZFP48|	zinc fing	pseudo
chr19-120	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr19	1209221	1213566	+	0	NA	intron (N	intron (N	5594	NM_000455	6794	Hs.515005	NM_000455	ENSG00000	STK11	LKB1|PJS|	serine/th	protein-coding
chr19-157	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr19	1578787	1580481	+	0	NA	intron (N	intron (N	-11309	NM_001174	399664	Hs.436495	NM_203304	ENSG00000	MEX3D	MEX-3D|ME	mex-3 RNA	protein-coding
chr2-6947	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr2	69476143	69476852	+	0	NA	intron (N	intron (N	-38869	NM_001002	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-1331	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA5|LIN	-75736	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr2-2100	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr2	2.1E+08	2.1E+08	+	0	NA	intron (N	AluJo|SIN	9272	NM_001318	6120	Hs.282260	NM_006916	ENSG00000	RPE	RPE2-1	ribulose-	protein-coding
chr2-2350	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-22127	NM_001371306								
chr20-941	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr20	9410749	9412362	+	0	NA	intron (N	intron (N	-102803	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr5-4353	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr5	43538833	43539525	+	0	NA	intron (N	intron (N	17898	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr5-1383	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	AluSq2|SI	32026	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr5-1770	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluJb|SIN	29204	NM_001308	23567	Hs.484259	NM_012279	ENSG00000	ZNF346	JAZ|Zfp34	zinc fing	protein-coding
chr6-1552	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr6	15522128	15522992	+	0	NA	TTS (NM_0	TTS (NM_0	140468	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr7-4749	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr7	47490555	47490960	+	0	NA	intron (N	MLT1G3|LT	-25954	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr9-3245	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr9	32459374	32460102	+	0	NA	intron (N	intron (N	66458	NM_014314	23586	Hs.190622	NM_014314	ENSG00000	DDX58	RIG-I|RIG	DExD/H-bo	protein-coding
chr9-1347	5.683115	-0.08075	0.957471	-0.08434	0.932786	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-64148	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chr11-331	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr11	33149815	33152281	+	0	NA	intron (N	L1MB8|LIN	10432	NM_001326	1479	Hs.44402	NM_001326	ENSG00000	CSTF3	CSTF-77	cleavage	protein-coding
chr11-742	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr11	74223992	74225693	+	0	NA	intron (N	L1PA2|LIN	53553	NM_001271	51400	Hs.503251	NM_016147	ENSG00000	PPME1	ABDH19|PM	protein p	protein-coding
chr12-132	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluY|SINE	3041	NR_003290	347918	Hs.122115	NM_182613	ENSG00000	EP400P1	EP400NL	EP400 pse	pseudo
chr14-676	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr14	67681120	67682992	+	0	NA	intron (N	MSTD|LTR|	-7424	NM_006370	10490	Hs.741177	NM_006370	ENSG00000	VTI1B	VTI1|VTI1	vesicle t	protein-coding
chr15-507	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr15	50718881	50720696	+	0	NA	intron (N	intron (N	-32991	NR_149153	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr16-343	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr16	3439848	3440859	+	0	NA	intron (N	intron (N	3151	NM_152457	146434	Hs.88630	NM_152457	ENSG00000	ZNF597	HIT-4	zinc fing	protein-coding
chr17-356	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr17	35645434	35646078	+	0	NA	intron (N	AluSp|SIN	58434	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-388	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr17	38875958	38877320	+	0	NA	intron (N	AluSz|SIN	6581	NM_006148	3927	Hs.741156	NM_006148	ENSG00000	LASP1	Lasp-1|ML	LIM and S	protein-coding
chr2-5564	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr2	55645278	55646455	+	0	NA	intron (N	AluSz|SIN	-28244	NM_020463	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr2-8485	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr2	84853223	84853930	+	0	NA	intron (N	THE1C|LTR	27508	NM_001277	129293	Hs.469134	NM_001080	ENSG00000	TRABD2A	C2orf89|T	TraB doma	protein-coding
chr20-628	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr20	62854017	62855317	+	0	NA	intron (N	intron (N	7155	NM_006602	10732	Hs.126248	NM_006602	ENSG00000	TCFL5	CHA|E2BP-	transcrip	protein-coding
chr3-1237	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	83894	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr4-1395	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSz|SIN	43505	NM_001306	80854	Hs.480792	NM_030648	ENSG00000	SETD7	KMT7|SET7	SET domai	protein-coding
chr4-1451	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	26204	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding
chr6-1458	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	12898	NM_001348	84085	Hs.421095	NM_032145	ENSG00000	FBXO30	Fbx30	F-box pro	protein-coding
chr6-1521	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	12636	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr7-3979	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr7	39790878	39791456	+	0	NA	intron (N	intron (N	57599	NR_026999	349114	Hs.414183	NM_198284		LINC00265	NCRNA0026	long inte	ncRNA
chr7-9332	5.188377	-0.08485	1.006405	-0.08431	0.932807	0.981636	chr7	93324480	93325749	+	0	NA	intron (N	L1PA3|LIN	92748	NM_017667	55610	Hs.202424	NM_017667	ENSG00000	VPS50	CCDC132|V	VPS50 sub	protein-coding
chr16-149	15.31397	-0.05135	0.61064	-0.0841	0.932981	0.981636	chr16	14997755	15001966	+	0	NA	intron (N	intron (N	10537	NR_036054	1E+08		NR_036054	ENSG00000	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr16-303	4.742636	-0.08885	1.057154	-0.08405	0.933019	0.981636	chr16	30360739	30361374	+	0	NA	intron (N	AluSx1|SI	-5748	NM_006110	10421	Hs.202677	NM_006110	ENSG00000	CD2BP2	FWP010|LI	CD2 cytop	protein-coding
chr22-190	4.742636	-0.08885	1.057154	-0.08405	0.933019	0.981636	chr22	19054363	19054865	+	0	NA	intron (N	FAM|SINE|	-6239	NR_024157	25786	Hs.720269	NR_024157	ENSG00000	DGCR11	DGS-D	DiGeorge	ncRNA
chr1-1537	9.461514	0.064962	0.776677	0.083641	0.933342	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-13668	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr13-417	9.461514	0.064962	0.776677	0.083641	0.933342	0.981636	chr13	41754266	41754465	+	0	NA	intron (N	THE1B|LTR	-185970	NR_049803	1.01E+08		NR_049803	ENSG00000	MIR5006	-	microRNA	ncRNA
chr12-504	6.128856	-0.07816	0.93726	-0.08339	0.933541	0.981636	chr12	50458921	50459299	+	0	NA	intron (N	AluSq2|SI	2539	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr3-1849	6.128856	-0.07816	0.93726	-0.08339	0.933541	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	114635	NM_001349	23355	Hs.269263	NM_015303	ENSG00000	VPS8	KIAA0804	VPS8 subu	protein-coding
chr5-7152	6.623594	-0.07531	0.903139	-0.08338	0.933546	0.981636	chr5	71524819	71526038	+	0	NA	intron (N	SVA_D|Ret	-61912	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcro	protein-coding
chr12-122	6.177853	-0.07741	0.928562	-0.08336	0.933563	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	LTR12C|LT	65465	NM_014708	9735	Hs.300559	NM_014708	ENSG00000	KNTC1	ROD	kinetocho	protein-coding
chr22-316	6.177853	-0.07741	0.928562	-0.08336	0.933563	0.981636	chr22	31644791	31645543	+	0	NA	intron (N	Tigger4b|	-6644	NM_178022	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr2-9225	15.90236	0.049939	0.604241	0.082648	0.934131	0.981636	chr2	92253921	92254674	+	0	NA	Intergeni	ALR/Alpha	313164	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-589	13.90399	0.052149	0.637384	0.081817	0.934792	0.981636	chr20	58908379	58911785	+	0	NA	intron (N	intron (N	17919	NR_132272	2778	Hs.125898	NM_000516	ENSG00000	GNAS	AHO|C20or	GNAS comp	protein-coding
chr16-218	12.42578	0.054947	0.672067	0.081758	0.934839	0.981636	chr16	21879317	21880705	+	0	NA	Intergeni	Intergeni	-13276	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019	-	uncharact	ncRNA
chr17-329	12.42578	0.054947	0.672067	0.081758	0.934839	0.981636	chr17	32940882	32941536	+	0	NA	3’ UTR (N	3’ UTR (N	13056	NM_015544	26022	Hs.3447	NM_015544	ENSG00000	TMEM98	TADA1	transmemb	protein-coding
chr1-2577	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr1	25776116	25777234	+	0	NA	intron (N	L2b|LINE|	-23518	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr1-2774	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr1	27746871	27747626	+	0	NA	intron (N	intron (N	21287	NM_001143	199870	Hs.469359	NM_152660	ENSG00000	FAM76A	-	family wi	protein-coding
chr1-7472	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr1	74722603	74724477	+	0	NA	intron (N	MLT1J2|LT	9510	NM_001889	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding
chr1-2038	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	Intergeni	Intergeni	12071	NM_001328	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr10-918	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr10	91801866	91803228	+	0	NA	intron (N	intron (N	4121	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr11-664	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr11	66434388	66435801	+	0	NA	TTS (NR_1	TTS (NR_1	3754	NM_016050	65003	Hs.418450	NM_016050	ENSG00000	MRPL11	CGI-113|L	mitochond	protein-coding
chr11-742	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr11	74240877	74241573	+	0	NA	intron (N	L1MB8|LIN	69936	NM_001271	51400	Hs.503251	NM_016147	ENSG00000	PPME1	ABDH19|PM	protein p	protein-coding
chr11-110	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	10865	NM_004109	2230	Hs.744	NM_004109	ENSG00000	FDX1	ADX|FDX|L	ferredoxi	protein-coding
chr11-113	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-30537	NM_001288	80975	Hs.46720	NM_030770	ENSG00000	TMPRSS5	SPINESIN	transmemb	protein-coding
chr12-489	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr12	48929722	48931562	+	0	NA	Intergeni	Intergeni	-5095	NM_001143	51303	Hs.655103	NM_016594	ENSG00000	FKBP11	FKBP19	FKBP prol	protein-coding
chr12-111	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	35142	NM_006768	8315	Hs.530940	NM_006768	ENSG00000	BRAP	BRAP2|IMP	BRCA1 ass	protein-coding
chr12-132	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	11119	NM_006231	5426	Hs.524871	NM_006231	ENSG00000	POLE	CRCS12|FI	DNA polym	protein-coding
chr14-644	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr14	64428434	64428950	+	0	NA	intron (N	AluSx4|SI	-36807	NM_004857	9495	Hs.656683	NM_004857	ENSG00000	AKAP5	AKAP75|AK	A-kinase	protein-coding
chr15-491	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr15	49110312	49111280	+	0	NA	Intergeni	L1MA4A|LI	44803	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sign	protein-coding
chr16-317	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr16	31724934	31726336	+	0	NA	intron (N	L1MA9|LIN	12406	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-413	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr17	413932	414996	+	0	NA	promoter-	promoter-	-441	NR_136407	1.05E+08	Hs.616427	NR_136407	ENSG00000	LOC105371	-	uncharact	ncRNA
chr18-487	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr18	48724589	48727356	+	0	NA	intron (N	MIRc|SINE	55372	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr19-573	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr19	57304273	57306228	+	0	NA	Intergeni	Intergeni	-15222	NM_213598	125919	Hs.202544	NM_213598	ENSG00000	ZNF543	-	zinc fing	protein-coding
chr2-1281	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	86587	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluc	protein-coding
chr2-1521	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr2	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSx|SIN	34345	NM_005843	10254	Hs.17200	NM_005843	ENSG00000	STAM2	Hbp|STAM2	signal tr	protein-coding
chr2-1974	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	Intergeni	AluSx1|SI	3877	NR_132788	1.07E+08		NR_132788		SNORA105B	-	small nuc	snoRNA
chr22-297	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr22	29745972	29746926	+	0	NA	intron (N	AluSx1|SI	20531	NM_019103	55954	Hs.713647	NM_019103	ENSG00000	ZMAT5	SNRNP20|U	zinc fing	protein-coding
chr3-1025	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr3	10254113	10256442	+	0	NA	intron (N	AluJb|SIN	6818	NM_014760	9797	Hs.475401	NM_014760	ENSG00000	TATDN2	-	TatD DNas	protein-coding
chr3-3708	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr3	37089463	37091529	+	0	NA	intron (N	AluSx1|SI	84086	NM_006309	9209	Hs.740522	NM_006309	ENSG00000	LRRFIP2	HUFI-2	LRR bindi	protein-coding
chr5-6605	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr5	66057139	66059397	+	0	NA	intron (N	L1PA4|LIN	-86032	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding
chr5-1792	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	Charlie24	107557	NM_014244	9509	Hs.23871	NM_014244	ENSG00000	ADAMTS2	ADAM-TS2|	ADAM meta	protein-coding
chr6-6143	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr6	614333	616222	+	0	NA	intron (N	intron (N	41687	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr7-1001	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr7	1E+08	1E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-5729	NM_001278	4176	Hs.438720	NM_005916	ENSG00000	MCM7	CDC47|MCM	minichrom	protein-coding
chr7-1406	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJb|SIN	7458	NM_052853	90956	Hs.744886	NM_052853	ENSG00000	ADCK2	AARF	aarF doma	protein-coding
chr8-3880	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr8	38800269	38800948	+	0	NA	intron (N	L1MB8|LIN	-4842	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr9-1318	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-120274	NM_001304	2889	Hs.127897	NM_005312	ENSG00000	RAPGEF1	C3G|GRF2	Rap guani	protein-coding
chrX-1668	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chrX	16681105	16682711	+	0	NA	intron (N	intron (N	30309	NM_001144	56474	Hs.227049	NM_019857	ENSG00000	CTPS2	-	CTP synth	protein-coding
chrX-5354	5.675257	-0.07837	0.96037	-0.0816	0.934964	0.981636	chrX	53545252	53547087	+	0	NA	intron (N	intron (N	10172	NR_029513	407054		NR_029513	ENSG00000	MIR98	MIRLET7L|	microRNA	ncRNA
chr6-1546	8.470188	0.066818	0.819727	0.081513	0.935034	0.981636	chr6	15468876	15469133	+	0	NA	intron (N	intron (N	194024	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr1-1233	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr1	12330438	12331219	+	0	NA	intron (N	AluSx1|SI	100798	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr10-791	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr10	79117262	79119969	+	0	NA	intron (N	intron (N	49649	NM_020338	57178	Hs.193118	NM_020338	ENSG00000	ZMIZ1	MIZ|RAI17	zinc fing	protein-coding
chr11-573	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr11	57328957	57329494	+	0	NA	intron (N	MLT1K|LTR	-4273	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr12-481	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr12	48137089	48138242	+	0	NA	intron (N	intron (N	4868	NR_106760	1.02E+08		NR_106760	ENSG00000	MIR6505	hsa-mir-6	microRNA	ncRNA
chr12-118	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	17931	NM_018639	55884	Hs.506985	NM_018639	ENSG00000	WSB2	SBA2	WD repeat	protein-coding
chr13-459	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr13	45972399	45973547	+	0	NA	intron (N	MLT1H|LTR	79773	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr16-176	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr16	1768852	1770027	+	0	NA	TTS (NM_0	TTS (NM_0	2270	NM_002513	4832	Hs.514065	NM_002513	ENSG00000	NME3	DR-nm23|N	NME/NM23	protein-coding
chr2-1866	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-27247	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr5-4316	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr5	43163419	43165086	+	0	NA	intron (N	MER8|DNA|	-27973	NM_153361	167359	Hs.25845	NM_153361	ENSG00000	NIM1K	NIM1	NIM1 seri	protein-coding
chr5-1381	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	L1MB8|LIN	2544	NM_006696	10902	Hs.519337	NM_006696	ENSG00000	BRD8	SMAP|SMAR	bromodoma	protein-coding

chr7-7431	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr7	74319915	74323421	+	0	NA	intron (N	AluSg7|SI	32193	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly d	protein-coding
chr7-7537	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr7	75371400	75372876	+	0	NA	Intergeni	AluJr|SIN	12938	NR_040583	54441	Hs.632310	NM_018991		STAG3L1	STAG3L1P|	stromal a	pseudo
chr7-1507	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	Intergeni	MER31-int	28522	NM_018384	55340	Hs.647079	NM_018384	ENSG00000	GIMAP5	HIMAP3|IA	GTPase, I	protein-coding
chr8-6724	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr8	67242038	67243599	+	0	NA	intron (N	L1M1|LINE	100963	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr9-7514	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr9	75143879	75144552	+	0	NA	intron (N	intron (N	55701	NM_012383	26578	Hs.494192	NM_012383	ENSG00000	OSTF1	OSF|SH3P2	osteoclas	protein-coding
chr9-1297	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3788	NR_132102	1.02E+08	Hs.112596	NR_132102	ENSG00000	PRRX2-AS1	-	PRRX2 ant	ncRNA
chrX-7157	6.169995	-0.07513	0.923222	-0.08138	0.935142	0.981636	chrX	71573662	71574711	+	0	NA	3’ UTR (N	3’ UTR (N	-3838	NM_052957	93953	Hs.135167	NM_052957	ENSG00000	GCNA	ACRC|NAAP	germ cell	protein-coding
chr14-761	5.229517	-0.08144	1.003301	-0.08117	0.935304	0.981636	chr14	76195170	76196004	+	0	NA	intron (N	intron (N	41233	NR_110314	55668	Hs.410231	NM_017926	ENSG00000	GPATCH2L	C14orf118	G-patch d	protein-coding
chr7-1589	14.36563	-0.05072	0.626309	-0.08098	0.935457	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	59331	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SR	WD repeat	protein-coding
chr10-185	4.734778	-0.08587	1.061179	-0.08092	0.935506	0.981636	chr10	18577798	18578804	+	0	NA	intron (N	AluSx|SIN	73286	NM_001351	221078	Hs.396175	NM_182543	ENSG00000	NSUN6	4933414E0	NOP2/Sun	protein-coding
chr10-920	6.615736	-0.07325	0.905392	-0.08091	0.935516	0.981636	chr10	92008475	92009230	+	0	NA	exon (NM_	exon (NM_	85082	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr12-158	6.615736	-0.07325	0.905392	-0.08091	0.935516	0.981636	chr12	15884270	15885290	+	0	NA	intron (N	intron (N	2393	NM_007178	11171	Hs.743971	NM_007178	ENSG00000	STRAP	MAWD|PT-W	serine/th	protein-coding
chr15-847	6.615736	-0.07325	0.905392	-0.08091	0.935516	0.981636	chr15	84769342	84770072	+	0	NA	intron (N	L2a|LINE|	21115	NM_014630	9640	Hs.79347	NM_014630	ENSG00000	ZNF592	CAMOS|SCA	zinc fing	protein-coding
chr3-1865	6.615736	-0.07325	0.905392	-0.08091	0.935516	0.981636	chr3	1.87E+08	1.87E+08	+	0	NA	intron (N	L1ME3F|LI	7609	NM_016306	51726	Hs.317192	NM_016306	ENSG00000	DNAJB11	ABBP-2|AE	DnaJ heat	protein-coding
chr4-1135	6.615736	-0.07325	0.905392	-0.08091	0.935516	0.981636	chr4	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	216060	NM_001354	287	Hs.620557	NM_001148	ENSG00000	ANK2	ANK-2|LQT	ankyrin 2	protein-coding
chr13-114	7.110474	-0.07108	0.879185	-0.08085	0.93556	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	MIRc|SINE	35105	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr5-7777	7.110474	-0.07108	0.879185	-0.08085	0.93556	0.981636	chr5	77770837	77771203	+	0	NA	intron (N	AluSx1|SI	5319	NM_001297	6902	Hs.291212	NM_004607	ENSG00000	TBCA	-	tubulin f	protein-coding
chr5-1771	7.471003	0.071584	0.885447	0.080845	0.935565	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluJb|SIN	17630	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr20-277	15.34725	-0.04923	0.611416	-0.08051	0.935829	0.981636	chr20	27758540	27758824	+	0	NA	Intergeni	ALR/Alpha	843983	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1372	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr1	1372724	1373638	+	0	NA	TTS (NM_0	TTS (NM_0	2026	NM_001127	54998	Hs.632515	NM_017900	ENSG00000	AURKAIP1	AIP|AKIP|	aurora ki	protein-coding
chr17-155	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr17	15505979	15506499	+	0	NA	intron (N	LTR12C|LT	-35403	NR_146601	94145	Hs.697356	NR_146601		CDRT3	-	CMT1A dup	ncRNA
chr2-6111	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr2	61119807	61120441	+	0	NA	intron (N	L1ME1|LIN	24851	NR_036496	339803	Hs.252433	NR_036496	ENSG00000	LOC339803	-	uncharact	ncRNA
chr20-314	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr20	3147015	3147542	+	0	NA	exon (NM_	exon (NM_	12587	NM_021826	60493	Hs.741168	NM_021826	ENSG00000	FASTKD5	dJ1187M17	FAST kina	protein-coding
chr6-1663	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr6	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	-13405	NM_175922	285800	Hs.731862	NM_175922	ENSG00000	PRR18	-	proline r	protein-coding
chr9-1207	6.664734	-0.07262	0.902412	-0.08047	0.935861	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	29434	NM_012164	26190	Hs.494985	NM_012164	ENSG00000	FBXW2	FBW2|Fwd2	F-box and	protein-coding
chr17-296	10.89858	0.05859	0.728616	0.080413	0.935909	0.981636	chr17	29636203	29636530	+	0	NA	exon (NM_	exon (NM_	-14943	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr11-759	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr11	75973728	75974055	+	0	NA	intron (N	L1PA6|LIN	158681	NM_003369	7405	Hs.202470	NM_003369	ENSG00000	UVRAG	DHTX|VPS3	UV radiat	protein-coding
chr13-306	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr13	30639202	30641522	+	0	NA	intron (N	intron (N	6147	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr13-110	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSp|SIN	26604	NM_018210	55739	Hs.408324	NM_018210	ENSG00000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr14-100	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-198	NR_030172	574450		NR_030172	ENSG00000	MIR493	MIRN493|h	microRNA	ncRNA
chr14-103	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSz|SIN	25363	NM_001100	7517	Hs.592325	NM_005432	ENSG00000	XRCC3	CMM6	X-ray rep	protein-coding
chr17-363	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr17	3638811	3639439	+	0	NA	intron (N	intron (N	2365	NM_004937	1497	Hs.187667	NM_004937	ENSG00000	CTNS	CTNS-LSB|	cystinosi	protein-coding
chr2-1351	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	Tigger17a	-22021	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr8-3878	5.180519	-0.08208	1.021037	-0.08039	0.935929	0.981636	chr8	38789328	38790027	+	0	NA	intron (N	L2a|LINE|	1571	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr12-437	8.94921	0.064099	0.797744	0.080351	0.935958	0.981636	chr12	43751437	43752137	+	0	NA	intron (N	L1PA5|LIN	7003	NM_001098	83448	Hs.23554	NM_031292	ENSG00000	PUS7L	-	pseudouri	protein-coding
chr4-1394	9.47723	0.061651	0.76815	0.080259	0.936031	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19093	NM_031296	83452	Hs.591679	NM_031296	ENSG00000	RAB33B	SMC2	RAB33B, m	protein-coding
chr1-1625	6.120998	-0.07601	0.948234	-0.08016	0.936108	0.981636	chr1	16255642	16256156	+	0	NA	intron (N	intron (N	-18716	NM_030907	79363	Hs.546430	NM_030907	ENSG00000	CPLANE2	C1orf89|F	ciliogene	protein-coding
chr3-1159	6.120998	-0.07601	0.948234	-0.08016	0.936108	0.981636	chr3	11594681	11595478	+	0	NA	intron (N	AluSp|SIN	9502	NM_001284	9686	Hs.740389	NM_014667	ENSG00000	VGLL4	VGL-4	vestigial	protein-coding
chr4-7013	10.95544	0.057165	0.714319	0.080028	0.936215	0.981636	chr4	7013195	7013447	+	0	NA	intron (N	MER20|DNA	25813	NM_001286	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr18-292	8.478046	0.064899	0.812788	0.079847	0.936359	0.981636	chr18	2925954	2926429	+	0	NA	intron (N	intron (N	20432	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr4-1063	9.956252	0.059429	0.747454	0.079508	0.936629	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	SVA_A|Ret	-4644	NM_001163	93627	Hs.151498	NM_033115	ENSG00000	TBCK	HSPC302|I	TBC1 doma	protein-coding
chr14-100	7.478861	0.069189	0.871855	0.079358	0.936748	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-2829	NR_030172	574450		NR_030172	ENSG00000	MIR493	MIRN493|h	microRNA	ncRNA
chr1-1131	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	53794	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr1-1457	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSz6|SI	36888	NR_103845	11126	Hs.488237	NM_007053	ENSG00000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr10-270	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr10	27083971	27085742	+	0	NA	intron (N	AluSq2|SI	15642	NM_001256	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr12-466	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr12	4661985	4662941	+	0	NA	intron (N	intron (N	13349	NM_005002	4704	Hs.75227	NM_005002	ENSG00000	NDUFA9	CC6|CI-39	NADH:ubiq	protein-coding
chr12-105	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	10075	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr13-114	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	AluJb|SIN	12085	NM_001353	65110	Hs.533855	NM_023011	ENSG00000	UPF3A	HUPF3A|RE	UPF3A reg	protein-coding
chr14-104	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	12487	NM_005163	207	Hs.525622	NM_005163	ENSG00000	AKT1	AKT|CWS6|	AKT serin	protein-coding
chr15-632	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr15	63297318	63298584	+	0	NA	intron (N	intron (N	20346	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr16-716	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr16	71689566	71691039	+	0	NA	intron (N	MLT1N2|LT	8399	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr16-840	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr16	84096876	84097336	+	0	NA	intron (N	CR1-3_Cro	19836	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr17-598	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr17	59883641	59885009	+	0	NA	intron (N	MER5B|DNA	8618	NM_016261	51174	Hs.463638	NM_016261	ENSG00000	TUBD1	TUBD	tubulin d	protein-coding
chr17-602	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr17	60288384	60289152	+	0	NA	intron (N	intron (N	-57123	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Caj	ncRNA
chr17-631	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr17	63194368	63195550	+	0	NA	intron (N	intron (N	228724	NM_025185	26115	Hs.410889	NM_015623	ENSG00000	TANC2	ROLSA|rol	tetratric	protein-coding
chr18-137	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr18	13737372	13738855	+	0	NA	intron (N	L1MC5a|LI	11440	NM_001308	8731	Hs.592347	NM_003799	ENSG00000	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr2-2762	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr2	27624176	27624589	+	0	NA	Intergeni	AluJb|SIN	-4266	NM_001145	11321	Hs.18259	NM_007266	ENSG00000	GPN1	ATPBD1A|M	GPN-loop	protein-coding
chr2-2239	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	exon (NM_	exon (NM_	6319	NM_022915	65080	Hs.203559	NM_022915	ENSG00000	MRPL44	COXPD16|L	mitochond	protein-coding
chr21-649	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr21	6494706	6495659	+	0	NA	intron (N	intron (N	4066	NM_001320	1.03E+08	Hs.365116	NM_001320	ENSG00000	U2AF1L5	-	U2 small	protein-coding
chr6-2043	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr6	20431498	20432428	+	0	NA	intron (N	MLT1B|LTR	28284	NM_001243	1871	Hs.269408	NM_001949	ENSG00000	E2F3	E2F-3	E2F trans	protein-coding
chr6-3651	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr6	36510214	36511253	+	0	NA	intron (N	intron (N	36746	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr7-1432	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	5093	NM_015917	373156	Hs.390667	NM_015917	ENSG00000	GSTK1	GST|GST 1	glutathio	protein-coding
chr9-1228	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10877	NM_005388	5082	Hs.271749	NM_005388	ENSG00000	PDCL	PhLP	phosducin	protein-coding
chr9-1347	6.162138	-0.07291	0.923142	-0.07899	0.937044	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-51711	NR_138049	414316	Hs.571561	NR_138049	ENSG00000	COL5A1-AS	C9orf104|	COL5A1 an	ncRNA
chr1-2066	8.957068	0.062271	0.789699	0.078854	0.937149	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	AluSz|SIN	11093	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr15-636	8.957068	0.062271	0.789699	0.078854	0.937149	0.981636	chr15	63695820	63696274	+	0	NA	intron (N	intron (N	-95220	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-693	8.957068	0.062271	0.789699	0.078854	0.937149	0.981636	chr16	69367851	69368935	+	0	NA	exon (NM_	exon (NM_	-16607	NM_144676	146456	Hs.729118	NM_144676	ENSG00000	TMED6	PRO34237|	transmemb	protein-coding
chr7-1667	6.479677	0.075171	0.954141	0.078784	0.937204	0.981636	chr7	16676828	16677161	+	0	NA	intron (N	intron (N	15780	NM_001362	28969	Hs.487635	NM_014038	ENSG00000	BZW2	HSPC028|M	basic leu	protein-coding
chr17-498	10.43527	0.057448	0.729701	0.078728	0.937249	0.981636	chr17	4982658	4983073	+	0	NA	exon (NM_	exon (NM_	4596	NM_001171	23125	Hs.632242	NM_015099	ENSG00000	CAMTA2	-	calmoduli	protein-coding
chr7-1033	8.42119	0.067625	0.859437	0.078685	0.937283	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L1ME2|LIN	10925	NM_014377	27000	Hs.558476	NM_014377	ENSG00000	DNAJC2	MPHOSPH11	DnaJ heat	protein-coding
chr1-2304	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr1	2304433	2305361	+	0	NA	intron (N	intron (N	47764	NR_024489	1E+08	Hs.655313	NM_001127	ENSG00000	LOC100129	-	small nuc	pseudo
chr10-692	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr10	69205065	69206884	+	0	NA	intron (N	intron (N	-14358	NM_025130	80201	Hs.522988	NM_025130	ENSG00000	HKDC1	-	hexokinas	protein-coding
chr10-693	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr10	69377051	69377891	+	0	NA	intron (N	intron (N	39447	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr10-130	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	Intergeni	Intergeni	46624	NM_001321	10539	Hs.42644	NM_006541	ENSG00000	GLRX3	GLRX4|GRX	glutaredo	protein-coding
chr12-694	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr12	6941066	6942191	+	0	NA	intron (N	intron (N	-1810	NM_001301	113246	Hs.405913	NM_138425	ENSG00000	C12orf57	C10|GRCC1	chromosom	protein-coding
chr12-123	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	39456	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPP	M-phase p	protein-coding
chr20-365	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr20	36503297	36505475	+	0	NA	intron (N	L1MB4|LIN	-37133	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr3-1882	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	promoter-	promoter-	-58	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr5-1383	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr5	13838434	13839845	+	0	NA	intron (N	intron (N	105341	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1575	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	AluSp|SIN	8193	NM_033274	8728	Hs.483944	NM_023038	ENSG00000	ADAM19	FKSG34|MA	ADAM meta	protein-coding
chr9-8632	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr9	86328271	86329019	+	0	NA	intron (N	intron (N	25765	NM_024617	79670	Hs.597057	NM_024617	ENSG00000	TUT7	PAPD6|TEN	terminal	protein-coding
chr9-9354	6.656876	-0.07042	0.895155	-0.07867	0.937295	0.981636	chr9	93543330	93544375	+	0	NA	intron (N	L1MD3|LIN	-32732	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr17-819	7.102616	-0.06911	0.879055	-0.07861	0.937339	0.981636	chr17	81918872	81919462	+	0	NA	promoter-	promoter-	-991	NM_016538	51547	Hs.514636	NM_016538	ENSG00000	SIRT7	SIR2L7	sirtuin 7	protein-coding
chr1-3739	5.221659	-0.07883	1.003302	-0.07857	0.937374	0.981636	chr1	3739044	3739666	+	0	NA	non-codin	non-codin	7416	NR_033712	57212	Hs.49658	NM_207306	ENSG00000	TP73-AS1	KIAA0495|	TP73 anti	ncRNA
chr1-4019	5.221659	-0.07883	1.003302	-0.07857	0.937374	0.981636	chr1	40192266	40192850	+	0	NA	intron (N	intron (N	31171	NM_012421	6018	Hs.205627	NM_012421	ENSG00000	RLF	ZN-15L|ZN	rearrange	protein-coding
chr17-180	5.221659	-0.07883	1.003302	-0.07857	0.937374	0.981636	chr17	1803389	1804061	+	0	NA	intron (N	AluSx1|SI	26177	NM_052928	114826	Hs.514602	NM_052928	ENSG00000	SMYD4	ZMYND21	SET and M	protein-coding
chr18-215	5.221659	-0.07883	1.003302	-0.07857	0.937374	0.981636	chr18	21568845	21569743	+	0	NA	intron (N	intron (N	31410	NM_052911	114799	Hs.464733	NM_052911	ENSG00000	ESCO1	A930014I1	establish	protein-coding
chr9-8167	5.221659	-0.07883	1.003302	-0.07857	0.937374	0.981636	chr9	81676311	81676922	+	0	NA	intron (N	intron (N	12919	NM_001303	7088	Hs.197320	NM_005077	ENSG00000	TLE1	ESG|ESG1|	TLE famil	protein-coding
chr5-4907	12.96166	0.052644	0.671201	0.078433	0.937483	0.981636	chr5	49076047	49077034	+	0	NA	Intergeni	ALR/Alpha	1364748	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-1156	13.48182	0.052705	0.672425	0.078381	0.937525	0.981636	chr5	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	9626	NM_181836	51014	Hs.642817	NM_181836	ENSG00000	TMED7	CGI-109|p	transmemb	protein-coding
chr1-4344	5.667399	-0.07594	0.969433	-0.07833	0.937562	0.981636	chr1	43449350	43449705	+	0	NA	promoter-	promoter-	-883	NR_046744	1.01E+08	Hs.619768	NR_046744	ENSG00000	SZT2-AS1	-	SZT2 anti	ncRNA
chr14-101	5.667399	-0.07594	0.969433	-0.07833	0.937562	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	66	NR_029862	442914		NR_029862	ENSG00000	MIR369	MIR369-3|	microRNA	ncRNA
chr2-2267	5.667399	-0.07594	0.969433	-0.07833	0.937562	0.981636	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	27107	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr7-1405	5.667399	-0.07594	0.969433	-0.07833	0.937562	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJb|SIN	-50622	NR_117084	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr9-1278	8.092093	-0.06654	0.849986	-0.07828	0.937602	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	non-codin	non-codin	5269	NR_136302	1.03E+08		NR_136302	ENSG00000	LOC102723	-	uncharact	ncRNA
chr16-563	6.218993	-0.07473	0.954607	-0.07828	0.937606	0.981636	chr16	56385964	56386440	+	0	NA	intron (N	MIR|SINE|	38787	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr15-989	7.957884	0.065981	0.845233	0.078062	0.937778	0.981636	chr15	98951291	98951490	+	0	NA	intron (N	L3|LINE|C	54266	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr17-946	7.957884	0.065981	0.845233	0.078062	0.937778	0.981636	chr17	946399	946712	+	0	NA	intron (N	intron (N	33221	NM_022463	64359	Hs.527989	NM_022463	ENSG00000	NXN	NRX|TRG-4	nucleored	protein-coding
chr6-1113	10.9143	0.055664	0.714408	0.077916	0.937895	0.981636	chr6	11134808	11135694	+	0	NA	3’ UTR (N	3’ UTR (N	-23526	NM_207582	405754	Hs.631996	NM_207582	ENSG00000	ERVFRD-1	ERVFRDE1|	endogenou	protein-coding
chr14-321	7.151614	-0.06861	0.880569	-0.07791	0.937896	0.981636	chr14	32131345	32132253	+	0	NA	intron (N	L1PA4|LIN	54495	NM_001173	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoG	Rho GTPas	protein-coding
chr10-100	9.43609	0.059952	0.770105	0.07785	0.937948	0.981636	chr10	1E+08	1E+08	+	0	NA	promoter-	promoter-	-919	NR_002954	677800	Hs.662165	NR_002954	ENSG00000	SNORA12	U108	small nuc	snoRNA
chr11-859	10.44313	0.056021	0.727394	0.077016	0.93861	0.981636	chr11	85996674	85997915	+	0	NA	intron (N	intron (N	71790	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr17-604	12.40036	0.051248	0.669438	0.076554	0.938979	0.981636	chr17	60490882	60493924	+	0	NA	intron (N	THE1B-int	33837	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr10-973	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr10	97377411	97378735	+	0	NA	intron (N	L3|LINE|C	23267	NM_015179	23223	Hs.434251	NM_015179	ENSG00000	RRP12	KIAA0690	ribosomal	protein-coding
chr11-664	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr11	66498401	66499065	+	0	NA	intron (N	intron (N	-11902	NM_024649	582	Hs.502915	NM_024649	ENSG00000	BBS1	BBS2L2	Bardet-Bi	protein-coding
chr15-753	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr15	75356167	75356989	+	0	NA	non-codin	non-codin	-2893	NR_030360	693216		NR_030360	ENSG00000	MIR631	MIRN631|h	microRNA	ncRNA
chr19-942	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr19	9423753	9424474	+	0	NA	intron (N	ERVL-E-in	11460	NM_001370	10781	Hs.656185	NM_006631	ENSG00000	ZNF266	HZF1	zinc fing	protein-coding
chr19-210	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr19	21025212	21027921	+	0	NA	intron (N	L1PREC2|L	5909	NM_001172	80264	Hs.729202	NM_025189	ENSG00000	ZNF430	-	zinc fing	protein-coding
chr2-9662	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr2	96629230	96630242	+	0	NA	intron (N	intron (N	8255	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr3-1280	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	10697	NR_046645	1.01E+08	Hs.581603	NR_046645	ENSG00000	RUVBL1-AS	-	RUVBL1 an	ncRNA
chr5-6938	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr5	69389361	69390122	+	0	NA	intron (N	AluY|SINE	18287	NM_133339	5884	Hs.16184	NM_002873	ENSG00000	RAD17	CCYC|HRAD	RAD17 che	protein-coding
chr6-1496	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	TTS (NR_0	TTS (NR_0	-8499	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr7-1285	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	Charlie4z	24716	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr8-1932	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr8	19321317	19322635	+	0	NA	intron (N	intron (N	8000	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-1180	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	24942	NM_000127	2131	Hs.492618	NM_000127	ENSG00000	EXT1	EXT|LGCR|	exostosin	protein-coding
chr9-1140	6.649018	-0.06832	0.892714	-0.07653	0.938997	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	72177	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr10-924	7.965742	0.063898	0.83545	0.076483	0.939035	0.981636	chr10	92462577	92462879	+	0	NA	intron (N	MIR|SINE|	35033	NM_001322	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr19-470	7.965742	0.063898	0.83545	0.076483	0.939035	0.981636	chr19	47087762	47088362	+	0	NA	intron (N	AluY|SINE	25714	NM_015168	23211	Hs.104661	NM_015168	ENSG00000	ZC3H4	C19orf7	zinc fing	protein-coding
chr7-2360	7.965742	0.063898	0.83545	0.076483	0.939035	0.981636	chr7	2360698	2361612	+	0	NA	intron (N	AluJr|SIN	6328	NM_001037	8662	Hs.371001	NM_003751	ENSG00000	EIF3B	EIF3-ETA|	eukaryoti	protein-coding
chrX-1559	7.965742	0.063898	0.83545	0.076483	0.939035	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	L1PA3|LIN	22192	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr1-1810	10.92215	0.054291	0.711087	0.076349	0.939141	0.981636	chr1	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2720	NM_016545	51278	Hs.15725	NM_016545	ENSG00000	IER5	SBBI48	immediate	protein-coding
chr13-242	9.443948	0.058305	0.764348	0.07628	0.939196	0.981636	chr13	24293781	24294207	+	0	NA	intron (N	intron (N	-13172	NM_001303	338872	Hs.362854	NM_178540	ENSG00000	C1QTNF9	AQL1|C1QT	C1q and T	protein-coding
chr11-862	7.143756	-0.06646	0.871712	-0.07624	0.939226	0.981636	chr11	86269160	86269840	+	0	NA	intron (N	Arthur1|D	-8833	NR_106813	1.02E+08		NR_106813	ENSG00000	MIR6755	hsa-mir-6	microRNA	ncRNA

chr11-868	7.143756	-0.06646	0.871712	-0.07624	0.939226	0.981636	chr11	86827177	86827609	+	0	NA	intron (N	L1PA3|LIN	26851	NM_001293	11098	Hs.25338	NM_007173	ENSG00000	PRSS23	SIG13|SPU	serine pr	protein-coding
chr16-156	7.143756	-0.06646	0.871712	-0.07624	0.939226	0.981636	chr16	15619063	15620080	+	0	NA	intron (N	intron (N	-8476	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr17-322	7.143756	-0.06646	0.871712	-0.07624	0.939226	0.981636	chr17	32200464	32201292	+	0	NA	intron (N	intron (N	-49307	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr13-756	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr13	75699106	75700737	+	0	NA	intron (N	MER11B|LT	-60399	NM_001366	4008	Hs.207631	NM_005358	ENSG00000	LMO7	FBX20|FBX	LIM domai	protein-coding
chr13-958	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr13	95849512	95851327	+	0	NA	intron (N	ERV3-16A3	173280	NM_006260	5611	Hs.59214	NM_006260	ENSG00000	DNAJC3	ACPHD|ERd	DnaJ heat	protein-coding
chr16-187	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr16	18797385	18799039	+	0	NA	intron (N	Charlie1|	3158	NM_001313	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr17-187	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr17	18736487	18736897	+	0	NA	TTS (NM_0	TTS (NM_0	-7362	NR_051988	10517	Hs.592128	NM_031456	ENSG00000	FBXW10	Fbw10|HRE	F-box and	protein-coding
chr17-302	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr17	30248221	30249261	+	0	NA	3’ UTR (N	3’ UTR (N	-13044	NM_001045	6532	Hs.29792	NM_001045	ENSG00000	SLC6A4	5-HTT|5-H	solute ca	protein-coding
chr17-788	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr17	78863403	78864044	+	0	NA	intron (N	intron (N	-23196	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr19-195	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr19	19519758	19521740	+	0	NA	intron (N	L1MB8|LIN	4524	NM_015965	51079	Hs.534453	NM_015965	ENSG00000	NDUFA13	B16.6|CDA	NADH:ubiq	protein-coding
chr19-370	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr19	37097986	37099362	+	0	NA	non-codin	non-codin	20241	NM_001329	147923	Hs.444992	NM_144689	ENSG00000	ZNF420	APAK	zinc fing	protein-coding
chr2-3064	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr2	30640309	30641013	+	0	NA	3’ UTR (N	3’ UTR (N	166785	NM_144575	92291	Hs.660911	NM_144575	ENSG00000	CAPN13	-	calpain 1	protein-coding
chr22-205	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr22	20521160	20522224	+	0	NA	intron (N	AluY|SINE	13645	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-4371	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr3	43718463	43721047	+	0	NA	non-codin	non-codin	-28161	NM_001346	55129	Hs.656657	NM_018075	ENSG00000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr4-4194	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr4	41948705	41951030	+	0	NA	intron (N	intron (N	14438	NM_018126	55161	Hs.31082	NM_018126	ENSG00000	TMEM33	1600019D1	transmemb	protein-coding
chr4-1390	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr4	1.39E+08	1.39E+08	+	0	NA	intron (N	(TA)n|Sim	28215	NM_012118	25819	Hs.639842	NM_012118	ENSG00000	NOCT	CCR4L|CCR	nocturnin	protein-coding
chr6-2440	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr6	24409395	24410078	+	0	NA	intron (N	intron (N	6800	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-9653	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr6	96535892	96539450	+	0	NA	intron (N	intron (N	15865	NM_015323	23376	Hs.149367	NM_015323	ENSG00000	UFL1	KIAA0776|	UFM1 spec	protein-coding
chr6-1114	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-12152	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr7-1587	6.15428	-0.07072	0.928325	-0.07618	0.939278	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-40424	NR_104054	54892	Hs.18616	NM_017760	ENSG00000	NCAPG2	3KS|CAP-G	non-SMC c	protein-coding
chr10-431	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr10	43179612	43180310	+	0	NA	intron (N	L1MB7|LIN	25064	NM_001319	55454	Hs.657569	NM_018590	ENSG00000	CSGALNACT	CHGN2|ChG	chondroit	protein-coding
chr12-625	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr12	62503432	62504467	+	0	NA	intron (N	L2a|LINE|	37123	NM_015026	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr2-1117	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-16789	NR_039929	1.01E+08		NR_039929	ENSG00000	MIR4771-2	-	microRNA	ncRNA
chr2-1179	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (N	MIRb|SINE	36699	NM_019044	54520	Hs.107845	NM_019044	ENSG00000	CCDC93	-	coiled-co	protein-coding
chr20-332	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr20	3326484	3327282	+	0	NA	intron (N	intron (N	80779	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr20-490	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr20	4901079	4901807	+	0	NA	intron (N	intron (N	-77835	NM_014737	9770	Hs.631504	NM_014737	ENSG00000	RASSF2	CENP-34|F	Ras assoc	protein-coding
chr20-490	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr20	49063834	49064547	+	0	NA	intron (N	MER20|DNA	17878	NM_001316	1434	Hs.90073	NM_001316	ENSG00000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr3-4852	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr3	48525979	48527319	+	0	NA	intron (N	MLT1C|LTR	-21823	NM_001272	51246	Hs.414579	NM_016479	ENSG00000	SHISA5	SCOTIN	shisa fam	protein-coding
chr4-7883	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr4	78830478	78831105	+	0	NA	intron (N	Tigger1|D	54413	NM_198892	55589	Hs.146551	NM_017593	ENSG00000	BMP2K	BIKE|HRIH	BMP2 indu	protein-coding
chr5-4369	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr5	43695948	43696731	+	0	NA	intron (N	THE1B-int	-93109	NR_073113	1.01E+08	Hs.482043	NR_073113		NNT-AS1	-	NNT antis	ncRNA
chr6-1439	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	14150	NM_001317	5325	Hs.743225	NM_002656	ENSG00000	PLAGL1	LOT1|ZAC|	PLAG1 lik	protein-coding
chr6-1523	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	AluSz|SIN	-36871	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr7-7521	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr7	75219844	75220378	+	0	NA	intron (N	intron (N	-17076	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr7-1522	5.708539	-0.07288	0.957543	-0.07612	0.939327	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	146631	NM_001371474								
chr11-185	8.493761	0.061386	0.809656	0.075817	0.939565	0.981636	chr11	18546333	18546595	+	0	NA	intron (N	intron (N	-19522	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr3-5247	8.493761	0.061386	0.809656	0.075817	0.939565	0.981636	chr3	52478451	52479276	+	0	NA	intron (N	intron (N	-16475	NM_015136	23166	Hs.301989	NM_015136	ENSG00000	STAB1	CLEVER-1|	stabilin	protein-coding
chr4-1375	14.83661	0.046755	0.617352	0.075735	0.93963	0.981636	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	6513	NM_019035	54510	Hs.591691	NM_019035	ENSG00000	PCDH18	PCDH68L	protocadh	protein-coding
chr3-1232	6.966557	0.068426	0.903553	0.07573	0.939634	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MB7|LIN	26983	NM_012430	26984	Hs.477361	NM_012430	ENSG00000	SEC22A	SEC22L2	SEC22 hom	protein-coding
chr17-605	6.203277	-0.07007	0.925858	-0.07569	0.93967	0.981636	chr17	60520391	60521378	+	0	NA	intron (N	intron (N	5356	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr19-466	6.203277	-0.07007	0.925858	-0.07569	0.93967	0.981636	chr19	46675177	46676793	+	0	NA	intron (N	AluJb|SIN	14507	NR_040041	1.01E+08	Hs.434327	NR_040041	ENSG00000	DACT3-AS1	-	DACT3 ant	ncRNA
chr2-6938	6.203277	-0.07007	0.925858	-0.07569	0.93967	0.981636	chr2	69382190	69383001	+	0	NA	intron (N	intron (N	4632	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr20-344	6.203277	-0.07007	0.925858	-0.07569	0.93967	0.981636	chr20	34412228	34413153	+	0	NA	intron (N	intron (N	49417	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr5-7743	6.203277	-0.07007	0.925858	-0.07569	0.93967	0.981636	chr5	77435815	77436401	+	0	NA	intron (N	intron (N	56208	NM_018268	55255	Hs.482573	NM_018268	ENSG00000	WDR41	MSTP048	WD repeat	protein-coding
chr11-170	11.40118	0.05272	0.696979	0.075641	0.939705	0.981636	chr11	17073426	17076595	+	0	NA	promoter-	promoter-	-266	NR_000022	26822		NR_000022	ENSG00000	SNORD14A	RNU14|RNU	small nuc	snoRNA
chr5-1729	7.494577	0.064937	0.859243	0.075574	0.939758	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSz6|SI	5458	NM_001317	51121	Hs.546390	NM_016093	ENSG00000	RPL26L1	RPL26P1	ribosomal	protein-coding
chr16-821	9.92297	0.056307	0.746633	0.075414	0.939885	0.981636	chr16	82161604	82164796	+	0	NA	intron (N	intron (N	7024	NM_005792	10200	Hs.344400	NM_005792	ENSG00000	MPHOSPH6	MPP|MPP-6	M-phase p	protein-coding
chr2-5555	9.92297	0.056307	0.746633	0.075414	0.939885	0.981636	chr2	55557309	55557552	+	0	NA	intron (N	AluJb|SIN	37835	NM_080667	112942	Hs.264208	NM_080667	ENSG00000	CFAP36	BARTL1|CC	cilia and	protein-coding
chr1-1164	8.444764	0.061217	0.812088	0.075382	0.939911	0.981636	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	17085	NM_001160	476	Hs.371889	NM_000701	ENSG00000	ATP1A1	CMT2DD|HC	ATPase Na	protein-coding
chr16-849	8.444764	0.061217	0.812088	0.075382	0.939911	0.981636	chr16	84991927	84992248	+	0	NA	intron (N	AluSg|SIN	19448	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr3-1946	8.444764	0.061217	0.812088	0.075382	0.939911	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	L2c|LINE|	2640	NM_018385	55341	Hs.744061	NM_018385	ENSG00000	LSG1	-	large 60S	protein-coding
chr7-1390	8.444764	0.061217	0.812088	0.075382	0.939911	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJo|SIN	-13087	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr11-640	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr11	6401311	6401647	+	0	NA	intron (N	intron (N	3212	NM_001257	322	Hs.372840	NM_001164	ENSG00000	APBB1	FE65|MGC:	amyloid b	protein-coding
chr11-462	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr11	46284054	46284253	+	0	NA	intron (N	L2c|LINE|	6491	NM_052854	90993	Hs.405961	NM_052854	ENSG00000	CREB3L1	OASIS|OI1	cAMP resp	protein-coding
chr12-327	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr12	32738370	32738735	+	0	NA	intron (N	intron (N	17345	NM_001040	51067	Hs.505231	NM_015936	ENSG00000	YARS2	CGI-04|MI	tyrosyl-t	protein-coding
chr12-542	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr12	54246568	54247579	+	0	NA	intron (N	intron (N	12472	NM_001127	23468	Hs.349283	NM_012117	ENSG00000	CBX5	HEL25|HP1	chromobox	protein-coding
chr13-210	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr13	21007947	21008859	+	0	NA	intron (N	intron (N	53183	NM_014572	26524	Hs.78960	NM_014572	ENSG00000	LATS2	KPM	large tum	protein-coding
chr15-230	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr15	23003288	23003953	+	0	NA	intron (N	intron (N	-22722	NM_001324	23191	Hs.26704	NM_014608	ENSG00000	CYFIP1	P140SRA-1	cytoplasm	protein-coding
chr2-7112	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr2	71122872	71124255	+	0	NA	intron (N	intron (N	6666	NM_032601	84693	Hs.94949	NM_032601	ENSG00000	MCEE	GLOD2	methylmal	protein-coding
chr3-1418	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr3	14186029	14187107	+	0	NA	intron (N	intron (N	7751	NM_014463	27258	Hs.111632	NM_014463	ENSG00000	LSM3	SMX4|USS2	LSM3 homo	protein-coding
chr5-1549	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	19235	NM_001014	29093	Hs.483924	NM_014180	ENSG00000	MRPL22	HSPC158|I	mitochond	protein-coding
chr9-9207	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chr9	92074134	92075571	+	0	NA	intron (N	HERVH-int	40561	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chrX-5340	5.213801	-0.07609	1.010163	-0.07533	0.939956	0.981636	chrX	53402225	53403660	+	0	NA	intron (N	AluJb|SIN	2823	NR_106916	1.02E+08		NR_106916	ENSG00000	MIR6857	hsa-mir-6	microRNA	ncRNA
chr7-6702	15.31563	0.045802	0.609779	0.075112	0.940126	0.981636	chr7	6703000	6705642	+	0	NA	intron (N	AluSx1|SI	2626	NM_006956	7559	Hs.431471	NM_006956	ENSG00000	ZNF12	GIOT-3|HZ	zinc fing	protein-coding
chr5-7094	10.45099	0.054638	0.727601	0.075093	0.940141	0.981636	chr5	70942729	70944457	+	0	NA	intron (N	intron (N	18652	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr17-585	10.40199	0.054507	0.731433	0.074521	0.940596	0.981636	chr17	58511196	58511808	+	0	NA	exon (NM_	exon (NM_	6378	NM_004687	9110	Hs.514373	NM_004687	ENSG00000	MTMR4	FYVE-DSP2	myotubula	protein-coding
chr7-1000	10.40199	0.054507	0.731433	0.074521	0.940596	0.981636	chr7	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	2071	NM_006833	10980	Hs.15591	NM_006833	ENSG00000	COPS6	CSN6|MOV3	COP9 sign	protein-coding
chr16-249	9.451806	0.05673	0.76162	0.074486	0.940623	0.981636	chr16	24956180	24957335	+	0	NA	intron (N	MER102a|D	58612	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-714	12.88724	0.048834	0.657116	0.074316	0.940759	0.981636	chr16	71447558	71456464	+	0	NA	intron (N	intron (N	-9957	NM_001367365								
chr7-1406	12.88724	0.048834	0.657116	0.074316	0.940759	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	948	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr12-122	7.135898	-0.06443	0.86734	-0.07429	0.940781	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L1M4|LINE	-29560	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr14-104	7.135898	-0.06443	0.86734	-0.07429	0.940781	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	2320	NM_005163	207	Hs.525622	NM_005163	ENSG00000	AKT1	AKT|CWS6|	AKT serin	protein-coding
chr3-1381	7.135898	-0.06443	0.86734	-0.07429	0.940781	0.981636	chr3	1.38E+08	1.38E+08	+	0	NA	intron (N	AluJb|SIN	6057	NM_016216	51163	Hs.477700	NM_016216	ENSG00000	DBR1	-	debranchi	protein-coding
chr17-432	20.32727	0.041211	0.555061	0.074246	0.940815	0.981636	chr17	43281886	43282326	+	0	NA	Intergeni	ERV3-16A3	2223	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr5-6125	7.581639	-0.06377	0.858898	-0.07424	0.940815	0.981636	chr5	61252229	61252572	+	0	NA	intron (N	intron (N	12529	NR_146624	1.05E+08	Hs.621682	NR_146624	ENSG00000	LINC02057	-	long inte	ncRNA
chr2-9282	12.35922	0.049953	0.674154	0.074097	0.940933	0.981636	chr2	92823857	92824740	+	0	NA	Intergeni	ALR/Alpha	883165	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1139	6.974415	0.066003	0.891281	0.074054	0.940967	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	1166	NM_181358	204851	Hs.532363	NM_152696	ENSG00000	HIPK1	Myak|Nbak	homeodoma	protein-coding
chr10-919	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr10	91963217	91964927	+	0	NA	intron (N	intron (N	40302	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-666	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr11	66659335	66659600	+	0	NA	intron (N	AluSx4|SI	18420	NM_031492	83759	Hs.618713	NM_031492	ENSG00000	RBM4B	RBM30|RBM	RNA bindi	protein-coding
chr11-118	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx|SIN	10160	NM_001168	56912	Hs.533738	NM_020153	ENSG00000	IFT46	C11orf2|C	intraflag	protein-coding
chr19-496	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr19	49683867	49685503	+	0	NA	intron (N	intron (N	2568	NR_049811	1.01E+08		NR_049811	ENSG00000	MIR5088	mir-5088	microRNA	ncRNA
chr2-1344	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	149561	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr3-4903	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr3	49037660	49038958	+	0	NA	intron (N	AluY|SINE	-8911	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr3-5004	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr3	50048143	50049122	+	0	NA	intron (N	intron (N	-40287	NM_005778	10181	Hs.439480	NM_005778	ENSG00000	RBM5	G15|H37|L	RNA bindi	protein-coding
chr7-1670	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr7	16700161	16701371	+	0	NA	intron (N	intron (N	39552	NM_001362	28969	Hs.487635	NM_014038	ENSG00000	BZW2	HSPC028|M	basic leu	protein-coding
chr8-1335	6.64116	-0.06627	0.894938	-0.07405	0.940968	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	Arthur1A|	32368	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr16-742	11.40903	0.051434	0.695005	0.074006	0.941006	0.981636	chr16	74298382	74305988	+	0	NA	intron (N	intron (N	5371	NM_002811	5713	Hs.440604	NM_002811	ENSG00000	PSMD7	MOV34|P40	proteasom	protein-coding
chr11-740	9.930828	0.054798	0.742756	0.073777	0.941188	0.981636	chr11	74033448	74034072	+	0	NA	TTS (NM_0	TTS (NM_0	-24523	NM_022803	7352	Hs.101337	NM_003356	ENSG00000	UCP3	SLC25A9	uncouplin	protein-coding
chr20-268	9.930828	0.054798	0.742756	0.073777	0.941188	0.981636	chr20	26825156	26825808	+	0	NA	Intergeni	ALR/Alpha	-616249	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-408	9.930828	0.054798	0.742756	0.073777	0.941188	0.981636	chr22	40829834	40836793	+	0	NA	intron (N	AluY|SINE	-13914	NM_001282	10478	Hs.474938	NM_006358	ENSG00000	SLC25A17	PMP34	solute ca	protein-coding
chr9-1244	9.930828	0.054798	0.742756	0.073777	0.941188	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSz|SIN	10848	NM_002799	5695	Hs.213470	NM_002799	ENSG00000	PSMB7	Z	proteasom	protein-coding
chr21-293	8.452622	0.059366	0.805189	0.07373	0.941226	0.981636	chr21	29329649	29330384	+	0	NA	intron (N	intron (N	24812	NR_027655	571	Hs.154276	NM_001186	ENSG00000	BACH1	BACH-1|BT	BTB domai	protein-coding
chr7-1353	8.452622	0.059366	0.805189	0.07373	0.941226	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	116378	NM_001190	4850	Hs.490224	NM_013316	ENSG00000	CNOT4	CLONE243|	CCR4-NOT	protein-coding
chr1-1472	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	MIRb|SINE	33426	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr1-1787	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	HAL1|LINE	6406	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr11-657	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr11	65777273	65778589	+	0	NA	exon (NM_	exon (NM_	3045	NM_138368	91056	Hs.591957	NM_138368	ENSG00000	AP5B1	AP-5|PP1C	adaptor r	protein-coding
chr14-350	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr14	35024782	35025588	+	0	NA	intron (N	intron (N	-19722	NM_001079	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr14-101	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	Intergeni	-1837	NR_029861	442913		NR_029861	ENSG00000	MIR376C	MIR368|MI	microRNA	ncRNA
chr14-105	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2438	NR_073082	1397	Hs.534309	NM_001312	ENSG00000	CRIP2	CRIP|CRP2	cysteine	protein-coding
chr16-249	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr16	24924010	24927367	+	0	NA	intron (N	L1ME4a|LI	79457	NM_052944	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr17-590	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr17	59058727	59060362	+	0	NA	intron (N	AluJb|SIN	47336	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr19-189	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr19	18906526	18909311	+	0	NA	intron (N	intron (N	-11191	NM_001290	10715	Hs.412355	NM_021267	ENSG00000	CERS1	EPM8|GDF-	ceramide	protein-coding
chr2-1561	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	15615784	15616927	+	0	NA	intron (N	MIRb|SINE	24487	NM_004939	1653	Hs.440599	NM_004939	ENSG00000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-6941	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	69416197	69417533	+	0	NA	intron (N	AluSx1|SI	20570	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-7247	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	72474963	72476207	+	0	NA	intron (N	L1M2|LINE	-327723	NM_001277	56603	Hs.91546	NM_019885	ENSG00000	CYP26B1	CYP26A2|P	cytochrom	protein-coding
chr2-9685	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	96851123	96851994	+	0	NA	intron (N	AluSz6|SI	6458	NM_016466	51239	Hs.709507	NM_016466	ENSG00000	ANKRD39	-	ankyrin r	protein-coding
chr2-1214	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MEd|LIN	-90724	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr2-2083	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MER44A|DN	-16093	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr3-9930	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr3	9930096	9930587	+	0	NA	intron (N	intron (N	-3493	NM_001031	78987	Hs.9383	NM_015513	ENSG00000	CRELD1	AVSD2|CIR	cysteine	protein-coding
chr3-2577	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr3	25776268	25777938	+	0	NA	intron (N	L2a|LINE|	6340	NM_018297	55768	Hs.368960	NM_018297	ENSG00000	NGLY1	CDDG|CDG1	N-glycana	protein-coding
chr3-4780	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr3	47805437	47806119	+	0	NA	intron (N	AluSx1|SI	2640	NM_138615	22907	Hs.517948	NM_014966	ENSG00000	DHX30	DDX30|NEI	DExH-box	protein-coding
chr4-1697	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	MER50|LTR	41504	NM_001243	1182	Hs.481186	NM_001829	ENSG00000	CLCN3	CLC3|ClC-	chloride	protein-coding
chr7-1588	6.195419	-0.06786	0.920535	-0.07372	0.941236	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	24644	NM_001350	55112	Hs.389945	NM_018051	ENSG00000	WDR60	FAP163|SR	WD repeat	protein-coding
chr3-1956	15.8517	-0.04421	0.601466	-0.07351	0.941401	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-6009	NR_121050	440993	Hs.708999	NM_001013714		MIR570HG	LINC00969	MIR570 h	ncRNA
chr1-1725	11.88806	0.050043	0.681874	0.07339	0.941495	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	37441	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr1-1120	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr1	11201950	11203663	+	0	NA	intron (N	AluJb|SIN	13451	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-1124	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr1	11242410	11243214	+	0	NA	intron (N	intron (N	19739	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAF	mechanist	protein-coding
chr1-1738	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	16106	NM_001365	55157	Hs.647707	NM_018122	ENSG00000	DARS2	ASPRS|LBS	aspartyl-	protein-coding
chr10-458	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr10	45832931	45834176	+	0	NA	intron (N	intron (N	13920	NM_001276	119016	Hs.314437	NM_133446	ENSG00000	AGAP4	AGAP-4|AC	ArfGAP wi	protein-coding
chr10-103	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	23410	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr12-519	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr12	51985836	51986908	+	0	NA	intron (N	AluSq2|SI	-20574	NM_181711	160622	Hs.407202	NM_181711	ENSG00000	GRASP	TAMALIN	general r	protein-coding
chr13-499	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr13	49930799	49931499	+	0	NA	intron (N	intron (N	5191	NM_020456	57213	Hs.44235	NM_020456	ENSG00000	SPRYD7	C13orf1|C	SPRY doma	protein-coding
chr16-577	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr16	57779056	57780036	+	0	NA	intron (N	AluSz|SIN	2823	NM_001318	3801	Hs.23131	NM_005550	ENSG00000	KIF3C	-	kinesin f	protein-coding
chr17-177	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr17	1775830	1777065	+	0	NA	intron (N	intron (N	4776	NM_001329	5176	Hs.532768	NM_002615	ENSG00000	SERPINF1	EPC-1|OI1	serpin fa	protein-coding

chr18-130	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr18	13049887	13050920	+	0	NA	intron (N	intron (N	59041	NM_032142	55125	Hs.100914	NM_018069	ENSG0000C	CEP192	PPP1R62	centrosom	protein-coding
chr19-166	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr19	16632624	16633164	+	0	NA	Intergeni	Intergeni	-4690	NM_004831	9441	Hs.715040	NM_004831	ENSG0000C	MED26	CRSP7|CRS	mediator	protein-coding
chr19-210	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr19	21039052	21039458	+	0	NA	intron (N	intron (N	18598	NM_001172	80264	Hs.729202	NM_025189	ENSG0000C	ZNF430	-	zinc fing	protein-coding
chr2-3649	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr2	36492781	36493709	+	0	NA	intron (N	FLAM_C|SI	104923	NM_001042	9637	Hs.258563	NM_005102	ENSG0000C	FEZ2	HUM3CL	fascicula	protein-coding
chr2-6089	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr2	60894482	60895450	+	0	NA	intron (N	AluSp|SIN	13392	NM_002908	5966	Hs.631886	NM_002908	ENSG0000C	REL	C-Rel	REL protc	protein-coding
chr21-255	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr21	25587825	25589759	+	0	NA	intron (N	intron (N	-5568	NR_024092	282566	Hs.384586	NR_024092	ENSG0000C	LINC00515	C21orf71|	long inte	ncRNA
chr21-447	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr21	44776638	44778601	+	0	NA	intron (N	AluSx|SIN	24201	NM_182688	7327	Hs.529420	NM_003343	ENSG0000C	UBE2G2	UBC7	ubiquitir	protein-coding
chr3-1722	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	MER102c|D	170735	NM_004122	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth hc	protein-coding
chr4-1517	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr4	1.52E+08	1.52E+08	+	0	NA	intron (N	THE1B-int	23959	NM_004564	5188	Hs.119316	NM_004564	ENSG0000C	GATB	HSPC199|F	glutamyl-	protein-coding
chr5-1341	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	21004	NM_001366	6932	Hs.573153	NM_003202	ENSG0000C	TCF7	TCF-1	transcrip	protein-coding
chr7-2545	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr7	2545790	2547354	+	0	NA	intron (N	AluSx1|SI	8952	NM_001350	221927	Hs.520623	NM_152743	ENSG0000C	BRAT1	BAAT1|C7c	BRCA1 ass	protein-coding
chr7-6506	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr7	65066163	65068115	+	0	NA	intron (N	AluSq2|SI	1140	NR_145729	1.1E+08		NR_145729	ENSG0000C	SNORA22C	-	small nuc	snoRNA
chr8-2237	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr8	22378872	22379590	+	0	NA	intron (N	MLT1C|LTR	11693	NM_001135	23516	Hs.491232	NM_015359	ENSG0000C	SLC39A14	HCIN|HMNI	solute ca	protein-coding
chr9-8367	5.700681	-0.07046	0.960441	-0.07337	0.941514	0.981636	chr9	83672455	83673023	+	0	NA	intron (N	Tigger1|D	-35096	NR_135839	1.05E+08	Hs.9589	NR_135839	ENSG0000C	LOC105376	-	uncharact	ncRNA
chr3-1722	7.086901	-0.06538	0.891924	-0.0733	0.941566	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	186290	NM_004122	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth hc	protein-coding
chr15-492	6.690157	-0.06572	0.897505	-0.07323	0.941624	0.981636	chr15	49264958	49265467	+	0	NA	intron (N	L1PA3|LIN	94965	NM_001289	2585	Hs.122006	NM_002044	ENSG0000C	GALK2	GK2	galactoki	protein-coding
chr17-409	6.690157	-0.06572	0.897505	-0.07323	0.941624	0.981636	chr17	4092901	4094112	+	0	NA	intron (N	L3|LINE|C	49524	NM_015113	23140	Hs.277624	NM_015113	ENSG0000C	ZZEF1	ZZZ4	zinc fing	protein-coding
chr9-1344	6.690157	-0.06572	0.897505	-0.07323	0.941624	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	3350	NM_001291	6256	Hs.590886	NM_002957	ENSG0000C	RXRA	NR2B1	retinoid	protein-coding
chr7-7474	10.40985	0.053061	0.726549	0.073032	0.941781	0.981636	chr7	74744046	74745980	+	0	NA	intron (N	intron (N	-16095	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG0000C	LOC101926	-	uncharact	ncRNA
chr8-1167	10.40985	0.053061	0.726549	0.073032	0.941781	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	THE1B-int	34440	NM_003756	8667	Hs.492599	NM_003756	ENSG0000C	EIF3H	EIF3S3|eI	eukaryoti	protein-coding
chr17-650	6.146422	-0.06849	0.939346	-0.07291	0.941878	0.981636	chr17	65043602	65044836	+	0	NA	intron (N	intron (N	11555	NM_001282	10672	Hs.515018	NM_006572	ENSG0000C	GNA13	G13	G proteir	protein-coding
chr5-7306	7.453438	0.062829	0.86275	0.072824	0.941946	0.981636	chr5	73069031	73069654	+	0	NA	intron (N	MER1A|DNA	-51233	NM_001161	134285	Hs.162246	NM_173490	ENSG0000C	TMEM171	PRP2	transmemb	protein-coding
chr8-2544	7.453438	0.062829	0.86275	0.072824	0.941946	0.981636	chr8	25445152	25445530	+	0	NA	intron (N	intron (N	13092	NM_017634	54793	Hs.72071	NM_017634	ENSG0000C	KCTD9	BTBD27	potassium	protein-coding
chr1-1490	12.41608	0.048917	0.671823	0.072812	0.941956	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	Intergeni	Intergeni	-7401	NM_001037	400818	Hs.445080	NM_001037	ENSG0000C	NBPF9	AE01	NBPF memb	protein-coding
chr14-306	8.931644	0.057096	0.784329	0.072796	0.941969	0.981636	chr14	30684181	30684392	+	0	NA	intron (N	FLAM_A|SI	61967	NM_016106	23256	Hs.369168	NM_016106	ENSG0000C	SCFD1	C14orf163	sec1 fami	protein-coding
chr17-178	8.931644	0.057096	0.784329	0.072796	0.941969	0.981636	chr17	17898243	17898758	+	0	NA	intron (N	intron (N	-61489	NM_004176	6720	Hs.592123	NM_004176	ENSG0000C	SREBF1	SREBP1|bH	sterol re	protein-coding
chr22-243	8.931644	0.057096	0.784329	0.072796	0.941969	0.981636	chr22	24321568	24322179	+	0	NA	exon (NM_	exon (NM_	-20235	NM_001254	23384	Hs.474384	NM_015330	ENSG0000C	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr7-1521	8.931644	0.057096	0.784329	0.072796	0.941969	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	79288	NM_001371474								
chr14-203	7.981457	0.060106	0.828113	0.072582	0.942138	0.981636	chr14	20390064	20391034	+	0	NA	intron (N	intron (N	22952	NM_007110	7011	Hs.508835	NM_007110	ENSG0000C	TEP1	TLP1|TP1|	telomeras	protein-coding
chr16-864	12.8951	0.04771	0.658254	0.072479	0.94222	0.981636	chr16	86488362	86491123	+	0	NA	intron (N	MLT1H2|LT	19118	NR_033925	400550	Hs.448825	NR_033925	ENSG0000C	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr18-587	12.8951	0.04771	0.658254	0.072479	0.94222	0.981636	chr18	58745197	58750329	+	0	NA	exon (NM_	exon (NM_	-66117	NR_146904	1.05E+08	Hs.210837	NR_146904	ENSG0000C	LINC01926	-	long inte	ncRNA
chr3-4465	12.8951	0.04771	0.658254	0.072479	0.94222	0.981636	chr3	44650988	44661795	+	0	NA	intron (N	intron (N	7659	NM_003420	7584	Hs.288658	NM_003420	ENSG0000C	ZNF35	HF.10|HF1	zinc fing	protein-coding
chr11-749	9.459664	0.055208	0.761813	0.07247	0.942228	0.981636	chr11	74974592	74975174	+	0	NA	intron (N	AluY|SINE	-13761	NM_001367	10825	Hs.191074	NM_006656	ENSG0000C	NEU3	SIAL3	neuramini	protein-coding
chr13-102	9.459664	0.055208	0.761813	0.07247	0.942228	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	L2b|LINE|	41559	NM_003291	7174	Hs.432424	NM_003291	ENSG0000C	TPP2	TPP-2|TPF	tripeptic	protein-coding
chr6-8223	9.459664	0.055208	0.761813	0.07247	0.942228	0.981636	chr6	82238899	82239439	+	0	NA	intron (N	AluY|SINE	8575	NM_001300	25998	Hs.306425	NM_015525	ENSG0000C	IBTK	BTBD26|B1	inhibitor	protein-coding
chr8-9813	9.459664	0.055208	0.761813	0.07247	0.942228	0.981636	chr8	98135910	98139258	+	0	NA	intron (N	AluSx|SIN	19744	NM_015029	10940	Hs.252828	NM_015029	ENSG0000C	POP1	ANXD2	POP1 homc	protein-coding
chr19-534	7.184896	-0.06423	0.887663	-0.07235	0.942319	0.981636	chr19	53436887	53438307	+	0	NA	intron (N	HERV3-int	5613	NM_001008	388561	Hs.433293	NM_001008	ENSG0000C	ZNF761	ZNF468	zinc fing	protein-coding
chr7-1490	7.184896	-0.06423	0.887663	-0.07235	0.942319	0.981636	chr7	1490106	1490401	+	0	NA	intron (N	intron (N	14136	NM_001080	26173	Hs.532188	NM_001080	ENSG0000C	INTS1	INT1|NET2	integratc	protein-coding
chr10-683	7.622778	-0.06114	0.846135	-0.07226	0.942397	0.981636	chr10	68395572	68396330	+	0	NA	intron (N	intron (N	11238	NM_017987	55680	Hs.653144	NM_017987	ENSG0000C	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr5-1194	7.622778	-0.06114	0.846135	-0.07226	0.942397	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	25411	NM_000414	3295	Hs.406861	NM_000414	ENSG0000C	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr9-1244	10.88887	0.051483	0.712583	0.072249	0.942404	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	1819	NM_002799	5695	Hs.213470	NM_002799	ENSG0000C	PSMB7	Z	proteasom	protein-coding
chr16-849	11.41689	0.05017	0.695222	0.072164	0.942471	0.981636	chr16	84974105	84976718	+	0	NA	3’ UTR (N	3’ UTR (N	36124	NM_001145	55625	Hs.461610	NM_017740	ENSG0000C	ZDHHC7	DHHC7|SEF	zinc fing	protein-coding
chr22-309	11.41689	0.05017	0.695222	0.072164	0.942471	0.981636	chr22	30971566	30974278	+	0	NA	non-codir	non-codir	3711	NR_152867	55000	Hs.554829	NR_002323	ENSG0000C	TUG1	LINC00080	taurine u	ncRNA
chr3-4052	11.41689	0.05017	0.695222	0.072164	0.942471	0.981636	chr3	40529691	40535740	+	0	NA	exon (NM_	exon (NM_	7755	NM_198484	285268	Hs.19977	NM_198484	ENSG0000C	ZNF621	-	zinc fing	protein-coding
chr5-9548	11.41689	0.05017	0.695222	0.072164	0.942471	0.981636	chr5	95487449	95492359	+	0	NA	intron (N	intron (N	65101	NM_014639	9652	Hs.482868	NM_014639	ENSG0000C	TTC37	KIAA0372|	tetratric	protein-coding
chr4-5187	8.117516	-0.0603	0.835704	-0.07215	0.942482	0.981636	chr4	51874419	51874916	+	0	NA	intron (N	intron (N	31088	NM_001287	23142	Hs.605388	NM_015115	ENSG0000C	DCUN1D4	-	defective	protein-coding
chr2-2380	6.982273	0.063761	0.884295	0.072104	0.942519	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	Tigger2a|	12977	NM_016510	51540	Hs.731909	NM_016510	ENSG0000C	SCLY	SCL|hSCL	selenocys	protein-coding
chr19-117	13.37412	0.046594	0.646373	0.072085	0.942534	0.981636	chr19	11720568	11725792	+	0	NA	exon (NM_	exon (NM_	15766	NM_001080	55552	Hs.142167	NM_017507	ENSG0000C	ZNF823	HSZFP36	zinc fing	protein-coding
chr1-1208	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA4|LIN	14305	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG0000C	NBPF26	-	NBPF memb	protein-coding
chr16-222	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr16	22273787	22274221	+	0	NA	intron (N	MIR|SINE|	-23371	NM_001258	55718	Hs.460298	NM_018119	ENSG0000C	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr16-840	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr16	84061457	84062640	+	0	NA	intron (N	intron (N	-19891	NM_001080	146167		NM_001080	ENSG0000C	SLC38A8	FVH2	solute ca	protein-coding
chr17-625	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr17	62585265	62587289	+	0	NA	intron (N	intron (N	-41393	NM_006039	9902	Hs.7835	NM_006039	ENSG0000C	MRC2	CD280|CLE	mannose r	protein-coding
chr2-1799	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	53561	NM_020943	57703	Hs.311363	NM_020943	ENSG0000C	CWC22	EIF4GL|NC	CWC22 spl	protein-coding
chr9-8843	7.12804	-0.06249	0.867209	-0.07206	0.942557	0.981636	chr9	88432815	88434910	+	0	NA	intron (N	MER6B|DNA	45418	NM_006717	10927	Hs.146804	NM_006717	ENSG0000C	SPIN1	SPIN|TDRI	spindlin	protein-coding
chr16-719	9.881831	0.05484	0.761268	0.072038	0.942572	0.981636	chr16	71915863	71916708	+	0	NA	intron (N	intron (N	20754	NM_001270	9798	Hs.232194	NM_014761	ENSG0000C	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr17-312	9.938686	0.053336	0.741612	0.071919	0.942666	0.981636	chr17	31239981	31241451	+	0	NA	intron (N	L1MA3|LIN	56523	NM_002544	4974	Hs.113874	NM_002544	ENSG0000C	OMG	OMGP	oligodenc	protein-coding
chr17-553	9.938686	0.053336	0.741612	0.071919	0.942666	0.981636	chr17	55393072	55394873	+	0	NA	3’ UTR (N	3’ UTR (N	27863	NM_012329	23531	Hs.463483	NM_012329	ENSG0000C	MMD	MMA|MMD1|	monocyte	protein-coding
chr2-2765	9.938686	0.053336	0.741612	0.071919	0.942666	0.981636	chr2	27659855	27662194	+	0	NA	exon (NM_	exon (NM_	-2447	NM_018158	22950	Hs.306000	NM_018158	ENSG0000C	SLC4A1AP	HLC3	solute ca	protein-coding
chr1-3100	9.410666	0.055073	0.766576	0.071843	0.942727	0.981636	chr1	31005205	31006145	+	0	NA	intron (N	intron (N	-37438	NR_003066	692200		NR_003066		SNORD103C	HBII-251|	small nuc	snoRNA
chr1-1715	9.410666	0.055073	0.766576	0.071843	0.942727	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	MER5A1|DN	-48857	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr11-103	9.410666	0.055073	0.766576	0.071843	0.942727	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	12759	NM_001318	84259	Hs.503716	NM_032299	ENSG0000C	DCUN1D5	SCCRO5	defective	protein-coding
chr12-108	9.410666	0.055073	0.766576	0.071843	0.942727	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	1927	NR_030350	693204		NR_030350	ENSG0000C	MIR619	MIRN619|h	microRNA	ncRNA
chr9-2702	9.410666	0.055073	0.766576	0.071843	0.942727	0.981636	chr9	27024327	27024554	+	0	NA	intron (N	L1PBa|LIN	-18768	NM_022901	64922	Hs.128071	NM_022901	ENSG0000C	LRRC19	-	leucine r	protein-coding
chr13-327	8.46048	0.057608	0.801905	0.071839	0.94273	0.981636	chr13	32714919	32715990	+	0	NA	intron (N	intron (N	129002	NM_015032	23047	Hs.744901	NM_015032	ENSG0000C	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr15-399	8.46048	0.057608	0.801905	0.071839	0.94273	0.981636	chr15	39982060	39984014	+	0	NA	intron (N	L1PA7|LIN	48922	NM_001013	440275	Hs.656673	NM_001013	ENSG0000C	EIF2AK4	GCN2|PVOI	eukaryoti	protein-coding
chr22-384	8.46048	0.057608	0.801905	0.071839	0.94273	0.981636	chr22	38477479	38477678	+	0	NA	intron (N	MIRb|SINE	9482	NM_006855	11015	Hs.745072	NM_006855	ENSG0000C	KDELR3	ERD2L3	KDEL endc	protein-coding
chr3-4437	7.573781	-0.06202	0.864664	-0.07173	0.942817	0.981636	chr3	44375489	44375688	+	0	NA	intron (N	MSTB1|LTR	36822	NM_173826	285343	Hs.55131	NM_173826	ENSG0000C	TCAIM	C3orf23|T	T cell ac	protein-coding
chr16-569	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr16	56933443	56944684	+	0	NA	intron (N	intron (N	6921	NM_014685	9709	Hs.146393	NM_014685	ENSG0000C	HERPUD1	HERP|Mif1	homocyste	protein-coding
chr19-178	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr19	17861478	17864889	+	0	NA	TTS (NR_C	TTS (NR_C	595	NR_000012	26780	Hs.684118	NR_000012	ENSG0000C	SNORA68	RNU68|SNC	small nuc	snoRNA
chr19-520	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr19	52063040	52089936	+	0	NA	intron (N	AluJb|SIN	17783	NM_001352	284371	Hs.665751	NM_001136	ENSG0000C	ZNF841	-	zinc fing	protein-coding
chr5-1341	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	18335	NM_170679	6500	Hs.171626	NM_006930	ENSG0000C	SKP1	EMC19|OCF	S-phase k	protein-coding
chr6-1338	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	TTS (NM_C	TTS (NM_C	3785	NM_003206	6943	Hs.78061	NM_003206	ENSG0000C	TCF21	POD1|bHLF	transcrip	protein-coding
chr7-7283	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr7	72831830	72836647	+	0	NA	TTS (NR_C	TTS (NR_C	4865	NR_024109	155370	Hs.585053	NR_001588	ENSG0000C	SBDSP1	SBDSP	SBDS pseu	pseudo
chr7-7317	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr7	73177437	73189758	+	0	NA	intron (N	AluSz|SIN	-28148	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr9-1277	11.89592	0.048824	0.681069	0.071687	0.942851	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4059	NM_001261	1025	Hs.150423	NM_001261	ENSG0000C	CDK9	C-2k|CDC2	cyclin de	protein-coding
chr17-382	10.353	0.054691	0.763053	0.071674	0.942861	0.981636	chr17	38252872	38253150	+	0	NA	intron (N	AluSx|SIN	4238	NR_036750	440434	Hs.443837	NR_036750	ENSG0000C	LOC440434	-	aminopept	pseudo
chr1-8910	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr1	89104886	89106989	+	0	NA	TTS (NM_C	TTS (NM_C	20177	NM_004120	2634	Hs.386567	NM_004120	ENSG0000C	GBP2	-	guanylate	protein-coding
chr1-1204	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	L1P2|LINE	-44385	NR_003242	767846	Hs.657186	NR_003242	ENSG0000C	PFN1P2	C1orf152|	profilin	pseudo
chr11-104	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr11	10465330	10466487	+	0	NA	intron (N	L1PA7|LIN	4777	NM_001172	272	Hs.501890	NM_000480	ENSG0000C	AMPD3	-	adenosine	protein-coding
chr11-948	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr11	94851050	94852112	+	0	NA	intron (N	MIR|SINE|	83225	NM_001301	154810	Hs.503594	NM_130847	ENSG0000C	AMOTL1	JEAP	angiomoti	protein-coding
chr14-202	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr14	20295438	20296383	+	0	NA	intron (N	intron (N	10041	NM_138376	91875	Hs.98553	NM_138376	ENSG0000C	TTC5	Strap	tetratric	protein-coding
chr14-101	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-135	NR_030174	574452		NR_030174	ENSG0000C	MIR494	MIRN494|h	microRNA	ncRNA
chr15-906	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr15	90615346	90616533	+	0	NA	intron (N	AluSx3|SI	-44295	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG0000C	LINC01585	-	long inte	ncRNA
chr15-100	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	TTS (NM_C	TTS (NM_C	27640	NM_198243	140460	Hs.31845	NM_024708	ENSG0000C	ASB7	-	ankyrin r	protein-coding
chr17-182	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr17	1823539	1825961	+	0	NA	intron (N	AluSz|SIN	5152	NM_052928	114826	Hs.514602	NM_052928	ENSG0000C	SMYD4	ZMYND21	SET and M	protein-coding
chr17-422	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr17	42204037	42205171	+	0	NA	intron (N	L1ME4a|LI	-10110	NM_001142	84514	Hs.38039	NM_032484	ENSG0000C	GHDC	D11LGP1|I	GH3 domai	protein-coding
chr2-1273	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr2	12731401	12731785	+	0	NA	intron (N	MIR3|SINE	-5774	NR_036072	1E+08		NR_036072	ENSG0000C	MIR3125	mir-3125	microRNA	ncRNA
chr2-3706	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr2	37069983	37072361	+	0	NA	intron (N	intron (N	13200	NM_019024	54497	Hs.744084	NM_019024	ENSG0000C	HEATR5B	-	HEAT repe	protein-coding
chr2-3878	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr2	38781327	38781860	+	0	NA	exon (NM_	exon (NM_	3383	NM_024775	79833	Hs.143818	NM_024775	ENSG0000C	GEMIN6	-	gem nucle	protein-coding
chr22-498	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr22	49801590	49803499	+	0	NA	intron (N	CpG	21787	NR_146334	23774	Hs.127950	NM_014577	ENSG0000C	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr3-5173	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr3	5173435	5176878	+	0	NA	intron (N	MER6B|DNA	-12551	NM_014674	9695	Hs.224616	NM_014674	ENSG0000C	EDEM1	EDEM	ER degrac	protein-coding
chr4-1098	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-4520	NM_006583	10692	Hs.658310	NM_006583	ENSG0000C	RRH	-	retinal p	protein-coding
chr7-9939	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr7	99396581	99398407	+	0	NA	intron (N	intron (N	11103	NM_014891	11333	Hs.632296	NM_014891	ENSG0000C	PDAP1	HASPP28|F	PDGFA ass	protein-coding
chr7-1284	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr7	1.28E+08	1.29E+08	+	0	NA	intron (N	intron (N	23335	NM_018396	55798	Hs.433213	NM_018396	ENSG0000C	METTL2B	METL|METT	methyltra	protein-coding
chr8-3826	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr8	38266894	38267756	+	0	NA	exon (NM_	exon (NM_	1895	NM_032483	84513	Hs.567619	NM_032483	ENSG0000C	PLPP5	DPPL1|HTF	phospholi	protein-coding
chr8-1432	6.682299	-0.06361	0.890144	-0.07146	0.943033	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	-9696	NM_138465	2738	Hs.400533	NM_138465	ENSG0000C	GLI4	HKR4|ZNF9	GLI famil	protein-coding
chr5-3894	11.3679	0.050036	0.700532	0.071426	0.943059	0.981636	chr5	38949795	38950479	+	0	NA	exon (NM_	exon (NM_	104125	NM_001323	9180	Hs.120658	NM_003999	ENSG0000C	OSMR	IL-31R-be	oncostati	protein-coding
chr10-459	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr10	45992612	45994286	+	0	NA	intron (N	AluSp|SIN	8841	NR_145721	1.1E+08		NR_145721	ENSG0000C	SNORA74C-	-	small nuc	snoRNA
chr10-704	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr10	70429446	70430054	+	0	NA	Intergeni	AluSg|SIN	11931	NM_018055	4838	Hs.370414	NM_018055	ENSG0000C	NODAL	HTX5	nodal grc	protein-coding
chr11-741	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr11	74100081	74102588	+	0	NA	intron (N	intron (N	69668	NM_015531	26005	Hs.557938	NM_015531	ENSG0000C	C2CD3	OFD14	C2 domair	protein-coding
chr12-687	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr12	68715697	68719499	+	0	NA	intron (N	L1MB4|LIN	-28578	NR_149144	55508	Hs.506011	NM_018656	ENSG0000C	SLC35E3	BLOV1	solute ca	protein-coding
chr12-102	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	MIR|SINE|	-22141	NM_001301	51019	Hs.405692	NM_016053	ENSG0000C	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr12-111	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluJo|SIN	21635	NM_006768	8315	Hs.530940	NM_006768	ENSG0000C	BRAP	BRAP2|IMF	BRCA1 ass	protein-coding
chr12-122	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MB8|LIN	30610	NM_014708	9735	Hs.300559	NM_014708	ENSG0000C	KNTC1	ROD	kinetochc	protein-coding
chr13-479	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr13	47978297	47980092	+	0	NA	intron (N	L1PA7|LIN	22132	NM_003850	8803	Hs.743361	NM_003850	ENSG0000C	SUCLA2	A-BETA|A-	succinate	protein-coding
chr13-521	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr13	52182306	52184598	+	0	NA	intron (N	AluSq2|SI	11015	NR_002816	1.01E+08	Hs.553878	NR_002816	ENSG0000C	MRPS31P5	MRPS31P3	mitochonc	pseudo
chr13-110	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	41897	NM_001845	1282	Hs.17441	NM_001845	ENSG0000C	COL4A1	BSVD|BSVI	collagen	protein-coding
chr14-101	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-66340	NM_001376	1778	Hs.614080	NM_001376	ENSG0000C	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-230	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	23024982	23028220	+	0	NA	intron (N	intron (N	12968	NM_001354	114791	Hs.533898	NM_052903	ENSG0000C	TUBGCP5	GCP5	tubulin g	protein-coding
chr15-309	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	30943664	30944570	+	0	NA	intron (N	intron (N	40202	NM_014967	22909	Hs.584863	NM_014967	ENSG0000C	FAN1	KIAA1018|	FANCD2 ar	protein-coding
chr15-309	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	30974097	30975249	+	0	NA	intron (N	intron (N	16955	NM_017762	54893	Hs.30141	NM_017762	ENSG0000C	MTMR10	-	myotubula	protein-coding
chr15-430	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	43009247	43011460	+	0	NA	intron (N	intron (N	-89575	NM_173500	146057	Hs.646511	NM_173500	ENSG0000C	TTBK2	SCA11|TTE	tau tubul	protein-coding
chr15-506	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	50638407	50639589	+	0	NA	intron (N	intron (N	47799	NR_149154	54822	Hs.512894	NM_017672	ENSG0000C	TRPM7	ALSPDC|CH	transient	protein-coding
chr15-711	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr15	71169988	71171653	+	0	NA	intron (N	L1MEc|LIN	18239	NR_120351	1.02E+08	Hs.680472	NR_120348		THSD4-AS1	-	THSD4 ant	ncRNA
chr16-275	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr16	27511812	27513588	+	0	NA	intron (N	intron (N	37213	NM_001520	2975	Hs.371718	NM_001520	ENSG0000C	GTF3C1	TFIIIC|TF	general t	protein-coding
chr16-299	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr16	29970197	29971491	+	0	NA	intron (N	AluSx3|SI	-3024	NM_004783	9344	Hs.291623	NM_004783	ENSG0000C	TAOK2	MAP3K17|F	TAO kinas	protein-coding
chr16-536	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr16	53698743	53699605	+	0	NA	intron (N	SVA_D|Ret	4685	NM_001127	23322	Hs.298382	NM_015272	ENSG0000C	RPGRIP1L	CORS3|FTM	RPGRIP1 l	protein-coding
chr17-685	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr17	68520733	68521304	+	0	NA	intron (N	AluSx4|SI	5624	NM_001276	5573	Hs.280342	NM_002734	ENSG0000C	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr18-130	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr18	13011150	13011837	+	0	NA	intron (N	L1MB7|LIN	20131	NM_032142	55125	Hs.100914	NM_018069	ENSG0000C	CEP192	PPP1R62	centrosom	protein-coding
chr19-398	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr19	39834744	39840304	+	0	NA	intron (N	intron (N	-3291	NM_006484	9149	Hs.130988	NM_004714	ENSG0000C	DYRK1B	AOMS3|MIF	dual spec	protein-coding
chr2-9515	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	9515747	9517242	+	0	NA	intron (N	intron (N	39336	NM_003183	6868	Hs.404914	NM_003183	ENSG0000C	ADAM17	ADAM18|CI	ADAM meta	protein-coding
chr2-1527	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	15274803	15276037	+	0	NA	intron (N	intron (N	285914	NM_015909	51594	Hs.467759	NM_015909	ENSG0000C	NBAS	ILFS2|NAC	neuroblas	protein-coding
chr2-3015	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	30159180	30161774	+	0	NA	TTS (NM_C	TTS (NM_C	13470	NM_016061	51646	Hs.515890	NM_016061	ENSG0000C	YPEL5	CGI-127	yippee li	protein-coding

chr2-5532	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	55326214	55327692	+	0	NA	intron (N	intron (N	44634	NR_027258	344405	Hs.445292	NM_00108(	ENSG0000(	PRORSD1P	NCRNA0011	prolyl-tF	pseudo
chr2-6132	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	61320918	61322514	+	0	NA	intron (N	intron (N	95661	NR_003707	1E+08	Hs.675825	NR_003707	ENSG0000(	SNORA70B	-	small nuc	snoRNA
chr2-6939	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	69394395	69395311	+	0	NA	TTS (NM_(	TTS (NM_(	-7599	NM_001244	2673	Hs.58030(	NM_002056	ENSG0000(	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-1875	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	1.88E+08	1.88E+08	+	0	NA	intron (N	L1PA7|LIN	20968	NM_001329	7035	Hs.516578	NM_006287	ENSG0000(	TFPI	EPI|LACI|	tissue fa	protein-coding
chr2-2247	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	intron (N	intron (N	180441	NM_00129(	55619	Hs.46578	NM_014689	ENSG0000(	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr20-327	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr20	3277051	3277801	+	0	NA	intron (N	L2|LINE|L	-38236	NM_001174	83959	Hs.105607	NM_032034	ENSG0000(	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr21-430	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr21	43099519	43100891	+	0	NA	intron (N	AluSg7|SI	7365	NM_00132(	1.03E+08	Hs.365116	NM_00132(	ENSG0000(	U2AF1L5	-	U2 small	protein-coding
chr21-437	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr21	43759002	43759908	+	0	NA	3' UTR (N	3' UTR (N	16920	NM_00010(	1476	Hs.695	NM_00010(	ENSG0000(	CSTB	CPI-B|CST	cystatin	protein-coding
chr22-243	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr22	24396839	24397131	+	0	NA	intron (N	intron (N	-26612	NM_001278	135	Hs.197029	NM_000675	ENSG0000(	ADORA2A	A2aR|ADOR	adenosine	protein-coding
chr22-404	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr22	40428370	40430990	+	0	NA	exon (NM_	exon (NM_	33760	NM_001282	57591	Hs.654688	NM_020831	ENSG0000(	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr4-3975	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr4	39759274	39762439	+	0	NA	intron (N	L1ME3|LIN	62720	NM_001111	3093	Hs.50308	NM_005339	ENSG0000(	UBE2K	E2-25K|HI	ubiquitin	protein-coding
chr4-1187	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	24138	NM_020961	57721	Hs.596872	NM_020961	ENSG0000(	METTL14	hMETTL14	methyltra	protein-coding
chr5-4316	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr5	43162399	43162869	+	0	NA	intron (N	AluSq2|SI	-29591	NM_153361	167359	Hs.25845	NM_153361	ENSG0000(	NIM1K	NIM1	NIM1 seri	protein-coding
chr5-5540	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr5	55400334	55401583	+	0	NA	intron (N	L1MB7|LIN	92969	NM_01536(	23517	Hs.274531	NM_01536(	ENSG0000(	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-9702	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr5	97028971	97029509	+	0	NA	3' UTR (N	3' UTR (N	70807	NM_17592(	4012	Hs.527199	NM_005575	ENSG0000(	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr6-3263	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr6	3263453	3265424	+	0	NA	3' UTR (N	3' UTR (N	5491	NM_001128	389362	Hs.207069	NM_001128	ENSG0000(	PSMG4	C6orf86|F	proteasom	protein-coding
chr6-1308	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	49112	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG0000(	SMLR1	-	small leu	protein-coding
chr7-4464	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr7	44648082	44648891	+	0	NA	intron (N	intron (N	41859	NM_001003	4967	Hs.488181	NM_002541	ENSG0000(	OGDH	AKGDH|E1k	oxoglutar	protein-coding
chr7-1510	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	TTS (NM_(	TTS (NM_(	3816	NM_006712	10922	Hs.647094	NM_006712	ENSG0000(	FASTK	FAST	Fas activ	protein-coding
chr8-5414	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr8	54142942	54148989	+	0	NA	intron (N	intron (N	10724	NM_014175	29088	Hs.18349	NM_014175	ENSG0000(	MRPL15	HSPC145|I	mitochond	protein-coding
chr8-1250	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	12753	NM_003129	6713	Hs.71465	NM_003129	ENSG0000(	SQLE	-	squalene	protein-coding
chr8-1406	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluY|SINE	-36061	NM_012154	27161	Hs.660189	NM_012154	ENSG0000(	AGO2	CASC7|EIF	argonaute	protein-coding
chr9-5665	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr9	5665671	5666360	+	0	NA	intron (N	L1PA11|LI	36896	NM_001206	57589	Hs.21152(	NM_020829	ENSG0000(	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr9-9286	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr9	92867098	92868957	+	0	NA	intron (N	MLT1D|LTR	9941	NM_001354	83744	Hs.668378	NM_031486	ENSG0000(	ZNF484	BA526D8.4	zinc fing	protein-coding
chr9-1230	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-19456	NM_005294	2844	Hs.722039	NM_005294	ENSG0000(	GPR21	-	G protein	protein-coding
chr9-1249	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz6|SI	35057	NM_002077	2800	Hs.59504	NM_002077	ENSG0000(	GOLGA1	golgin-97	golgin A1	protein-coding
chrX-1238	6.187561	-0.06565	0.920454	-0.07133	0.943138	0.981636	chrX	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	34045	NM_001167	331	Hs.356076	NM_001167	ENSG0000(	XIAP	API3|BIRC	X-linked	protein-coding
chr15-400	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr15	40030079	40037953	+	0	NA	intron (N	AluSq|SIN	5165	NM_003134	6727	Hs.533732	NM_003134	ENSG0000(	SRP14	ALURBP	signal re	protein-coding
chr2-3336	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr2	33363931	33365797	+	0	NA	intron (N	intron (N	-53652	NR_039628	1.01E+08		NR_039628	ENSG0000(	MIR4430	-	microRNA	ncRNA
chr21-623	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr21	6234323	6234575	+	0	NA	intron (N	intron (N	17321	NM_001322	1.03E+08	Hs.743984	NM_001322975		LOC102723	-	uncharact	protein-coding
chr21-648	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr21	6486281	6487203	+	0	NA	intron (N	intron (N	12506	NM_00132(	1.03E+08	Hs.365116	NM_00132(	ENSG0000(	U2AF1L5	-	U2 small	protein-coding
chr3-1430	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	AluSx|SIN	19391	NM_00132(	23350	Hs.596572	NM_00108(	ENSG0000(	U2SURP	SR140|fSA	U2 snRNP	protein-coding
chr3-1795	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	3629	NM_020409	57129	Hs.283734	NM_020409	ENSG0000(	MRPL47	CGI-204|I	mitochond	protein-coding
chr7-7409	10.41771	0.051658	0.724248	0.071327	0.943138	0.981636	chr7	74099016	74101595	+	0	NA	intron (N	MIR3|SINE	7088	NM_001204	3984	Hs.647035	NM_002314	ENSG0000(	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr11-116	6.633302	-0.06424	0.901983	-0.07122	0.943219	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-116483	NM_000039	335	Hs.93194	NM_000039	ENSG0000(	APOA1	apo(a)	apolipopr	protein-coding
chr5-1674	6.633302	-0.06424	0.901983	-0.07122	0.943219	0.981636	chr5	16742708	16743239	+	0	NA	intron (N	AluSp|SIN	-125915	NM_001034	54463	Hs.481704	NM_01900(	ENSG0000(	RETREG1	FAM134B|J	reticulop	protein-coding
chr9-9825	6.633302	-0.06424	0.901983	-0.07122	0.943219	0.981636	chr9	98250451	98251273	+	0	NA	intron (N	intron (N	4787	NM_001267	55357	Hs.371016	NM_018421	ENSG0000(	TBC1D2	PARIS-1|F	TBC1 doma	protein-coding
chr16-224	15.3491	-0.04334	0.608669	-0.07121	0.943234	0.981636	chr16	22485076	22486536	+	0	NA	intron (N	intron (N	-18643	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019(	-	uncharact	ncRNA
chr1-2464	12.37494	0.047585	0.668749	0.071155	0.943274	0.981636	chr1	24645534	24659431	+	0	NA	non-codir	non-codir	8903	NM_001366	10250	Hs.18192	NM_005839	ENSG0000(	SRRM1	160-KD|PO	serine ar	protein-coding
chr13-770	8.939502	0.05542	0.779728	0.071076	0.943338	0.981636	chr13	77057786	77058922	+	0	NA	exon (NM_	exon (NM_	-17160	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG0000(	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr15-410	8.939502	0.05542	0.779728	0.071076	0.943338	0.981636	chr15	41053634	41057545	+	0	NA	intron (N	intron (N	60657	NR_104038	54617	Hs.292949	NM_017553	ENSG0000(	INO80	INO80A|IN	INO80 com	protein-coding
chr4-5649	8.939502	0.05542	0.779728	0.071076	0.943338	0.981636	chr4	56490141	56490907	+	0	NA	intron (N	intron (N	-14685	NM_206919	132946	Hs.444449	NM_206919	ENSG0000(	ARL9	-	ADP ribos	protein-coding
chr5-9676	8.939502	0.05542	0.779728	0.071076	0.943338	0.981636	chr5	96765402	96769795	+	0	NA	intron (N	MIRb|SINE	23996	NR_104285	831	Hs.436186	NM_00175(	ENSG0000(	CAST	BS-17|PLA	calpastat	protein-coding
chr10-961	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr10	96133784	96134437	+	0	NA	intron (N	Tigger4a|	3488	NM_00133(	9849	Hs.600823	NM_014803	ENSG0000(	ZNF518A	ZNF518	zinc fing	protein-coding
chr11-585	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr11	58569574	58570085	+	0	NA	intron (N	intron (N	6088	NM_004811	9404	Hs.125474	NM_004811	ENSG0000(	LPXN	LDPL	leupaxin	protein-coding
chr19-449	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr19	44900539	44900947	+	0	NA	exon (NM_	exon (NM_	-5053	NM_000041	348	Hs.654439	NM_000041	ENSG0000(	APOE	AD2|APO-E	apolipopr	protein-coding
chr20-375	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr20	37518689	37519195	+	0	NA	exon (NM_	exon (NM_	1361	NM_001317	10904	Hs.472651	NM_006698	ENSG0000(	BLCAP	BC10	BLCAP apo	protein-coding
chr5-7077	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr5	70771816	70772886	+	0	NA	intron (N	MLT1A|LTR	4285	NR_160659	1.03E+08	Hs.711155	NR_160659		LOC102724	-	POM121 tr	pseudo
chr7-5991	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr7	5991002	5993284	+	0	NA	intron (N	intron (N	16906	NM_001322	5395	Hs.632637	NM_000535	ENSG0000(	PMS2	HNPCC4|ML	PMS1 homo	protein-coding
chr8-1238	7.461296	0.060716	0.854274	0.071073	0.94334	0.981636	chr8	1.24E+08	1.24E+08	+	0	NA	3' UTR (N	3' UTR (N	-39065	NM_001039	654463	Hs.632058	NM_001039	ENSG0000(	FER1L6	C8ORFK23	fer-1 lik	protein-coding
chr1-1204	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	promoter-	promoter-	-95	NR_003242	767846	Hs.657186	NR_003242	ENSG0000(	PFN1P2	C1orf152|	profilin	pseudo
chr1-1503	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	MER5B|DNA	12167	NM_018997	54460	Hs.40588(	NM_018997	ENSG0000(	MRPS21	MDS016|MR	mitochond	protein-coding
chr18-123	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr18	12361259	12361508	+	0	NA	intron (N	AluSg7|SI	15893	NM_006796	10939	Hs.726355	NM_006796	ENSG0000(	AFG3L2	SCA28|SPA	AFG3 like	protein-coding
chr18-218	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr18	21858873	21859332	+	0	NA	intron (N	intron (N	-27696	NR_110369	1.03E+08	Hs.658808	NR_110369	ENSG0000(	MIR133A1H	MIR1-2HG	MIR133A1	ncRNA
chr2-2609	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr2	26093937	26094249	+	0	NA	intron (N	AluJb|SIN	60009	NM_016131	10890	Hs.46796(	NM_016131	ENSG0000(	RAB10	-	RAB10, me	protein-coding
chr20-436	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr20	43642369	43642988	+	0	NA	intron (N	intron (N	-24341	NM_001278	4605	Hs.179718	NM_002466	ENSG0000(	MYBL2	B-MYB|BMY	MYB proto	protein-coding
chr21-257	7.177038	-0.06206	0.873856	-0.07102	0.943384	0.981636	chr21	25752424	25753047	+	0	NA	intron (N	intron (N	-17081	NM_001003	522	Hs.24631(	NM_001685	ENSG0000(	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr1-6669	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr1	66694025	66695554	+	0	NA	intron (N	intron (N	-57670	NM_152665	200132	Hs.479226	NM_152665	ENSG0000(	TCTEX1D1	-	Tctex1 dc	protein-coding
chr1-1556	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	L1MB7|LIN	2512	NM_033657	7818	Hs.516746	NM_004632	ENSG0000(	DAP3	DAP-3|MRF	death ass	protein-coding
chr11-748	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr11	74835545	74836550	+	0	NA	exon (NM_	exon (NM_	87198	NM_001098	254225	Hs.370145	NM_001098	ENSG0000(	RNF169	-	ring fing	protein-coding
chr12-132	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-15642	NM_015114	23141	Hs.654628	NM_015114	ENSG0000(	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr13-114	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	-2274	NR_049839	1.01E+08		NR_049839	ENSG0000(	MIR548AR	-	microRNA	ncRNA
chr15-490	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr15	49015374	49017814	+	0	NA	exon (NM_	exon (NM_	29852	NM_001193	9728	Hs.9997	NM_014701	ENSG0000(	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr16-218	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr16	21839088	21839753	+	0	NA	intron (N	intron (N	18237	NM_001135	1E+08	Hs.611072	NM_001135	ENSG0000(	NPIPB5	-	nuclear p	protein-coding
chr22-395	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr22	39513622	39513996	+	0	NA	exon (NM_	exon (NM_	-6750	NM_001675	468	Hs.496487	NM_001675	ENSG0000(	ATF4	CREB-2|CR	activatin	protein-coding
chr8-1168	10.89673	0.050137	0.709266	0.070688	0.943646	0.981636	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	MSTB|LTR|	-26309	NR_033886	644660	Hs.706174	NR_033886	ENSG0000(	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr3-1253	12.85396	0.046435	0.658018	0.070568	0.943742	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MC|LINE	45290	NM_001348	7707	Hs.592591	NM_021964	ENSG0000(	ZNF148	BERF-1|BF	zinc fing	protein-coding
chr10-778	8.109659	-0.05834	0.828335	-0.07044	0.943846	0.981636	chr10	77824378	77824641	+	0	NA	intron (N	intron (N	102246	NM_004747	9231	Hs.65269(	NM_004747	ENSG0000(	DLG5	LP-DLG|P-	discs lar	protein-coding
chr1-2126	8.411482	0.057658	0.818913	0.070408	0.943869	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	TTS (NM_(	TTS (NM_(	-3456	NM_153606	149647	Hs.129293	NM_153606	ENSG0000(	FAM71A	GARI-L4	family wi	protein-coding
chr11-468	9.418524	0.053476	0.760835	0.070286	0.943966	0.981636	chr11	46806616	46807959	+	0	NA	intron (N	Tigger17a	38993	NM_001008	9793	Hs.201253	NM_014756	ENSG0000(	CKAP5	CHTOG|MSF	cytoskele	protein-coding
chr12-641	9.418524	0.053476	0.760835	0.070286	0.943966	0.981636	chr12	64115535	64116571	+	0	NA	intron (N	AluJo|SIN	106243	NM_00130(	144577	Hs.444671	NM_15244(	ENSG0000(	C12orf66	-	chromosom	protein-coding
chr16-891	9.418524	0.053476	0.760835	0.070286	0.943966	0.981636	chr16	8919888	8920227	+	0	NA	intron (N	intron (N	16582	NM_001286	7874	Hs.386939	NM_00347(	ENSG0000(	USP7	HAUSP|TEF	ubiquitin	protein-coding
chr2-1961	9.418524	0.053476	0.760835	0.070286	0.943966	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	L2b|LINE|	9089	NM_004226	9262	Hs.88297	NM_004226	ENSG0000(	STK17B	DRAK2	serine/th	protein-coding
chr21-326	9.418524	0.053476	0.760835	0.070286	0.943966	0.981636	chr21	32638124	32638961	+	0	NA	intron (N	AluSx1|SI	-25671	NM_00135(	56683	Hs.5811	NM_017835	ENSG0000(	CFAP298	C21orf48|	cilia and	protein-coding
chr2-2391	7.989315	0.058335	0.830162	0.07027	0.943979	0.981636	chr2	2.39E+08	2.39E+08	+	0	NA	intron (N	MLT1F|LTR	6470	NR_026664	85009	Hs.744565	NM_032923		MGC16025	-	uncharact	ncRNA
chr1-3126	7.61492	-0.05926	0.84407	-0.07021	0.944027	0.981636	chr1	31260762	31261993	+	0	NA	intron (N	(CAA)n|Si	-21490	NM_024522	79570	Hs.470259	NM_024522	ENSG0000(	NKAIN1	FAM77C	sodium/pc	protein-coding
chr6-1113	7.61492	-0.05926	0.84407	-0.07021	0.944027	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-90144	NR_034108	643749	Hs.486228	NR_034108	ENSG0000(	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr10-167	6.462111	0.064954	0.925519	0.070181	0.94405	0.981636	chr10	16733581	16733862	+	0	NA	intron (N	intron (N	83703	NM_012425	6251	Hs.524161	NM_012425	ENSG0000(	RSU1	RSP-1	Ras suppr	protein-coding
chr5-7151	6.462111	0.064954	0.925519	0.070181	0.94405	0.981636	chr5	71512822	71513451	+	0	NA	intron (N	intron (N	57485	NM_018429	55814	Hs.258272	NM_018429	ENSG0000(	BDP1	DFNB112|H	B double	protein-coding
chr9-2649	6.462111	0.064954	0.925519	0.070181	0.94405	0.981636	chr9	2649310	2649650	+	0	NA	intron (N	AluSz|SIN	-27107	NR_015375	401491	Hs.416043	NR_015375	ENSG0000(	VLDLR-AS1	linc-VLDL	VLDLR ant	ncRNA
chr1-2066	6.933276	0.064164	0.914579	0.070157	0.944068	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	MSTB|LTR|	12768	NM_004759	9261	Hs.643566	NM_004759	ENSG0000(	MAPKAPK2	MAPKAP-K2	MAPK acti	protein-coding
chr16-294	11.42475	0.048913	0.69763	0.070113	0.944104	0.981636	chr16	29488305	29490975	+	0	NA	intron (N	intron (N	16234	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr1-2693	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr1	26932675	26933214	+	0	NA	intron (N	L1MB2|LIN	11201	NM_00660(	10726	Hs.263812	NM_00660(	ENSG0000(	NUDC	HNUDC|MNU	nuclear d	protein-coding
chr12-452	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr12	4524538	4525963	+	0	NA	intron (N	intron (N	13219	NM_020374	57102	Hs.302977	NM_020374	ENSG0000(	C12orf4	-	chromosom	protein-coding
chr16-572	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr16	57235057	57236183	+	0	NA	intron (N	intron (N	-9639	NM_012106	23568	Hs.632873	NM_012106	ENSG0000(	ARL2BP	BART|BART	ADP ribos	protein-coding
chr2-2748	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr2	27482101	27483102	+	0	NA	intron (N	intron (N	7142	NM_015662	26160	Hs.127401	NM_015662	ENSG0000(	IFT172	BBS20|NPH	intraflag	protein-coding
chr20-330	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr20	3307493	3308130	+	0	NA	intron (N	intron (N	-68621	NM_001174	83959	Hs.105607	NM_032034	ENSG0000(	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-372	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr20	37239432	37240162	+	0	NA	intron (N	L1ME1|LIN	17111	NM_021081	2691	Hs.37023	NM_021081	ENSG0000(	GHRH	GHRF|GRF|	growth ho	protein-coding
chr4-9630	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr4	963069	963462	+	0	NA	exon (NM_	exon (NM_	10304	NM_001347	1609	Hs.584858	NM_001347	ENSG0000(	DGKQ	DAGK|DAGK	diacylgly	protein-coding
chr6-1523	5.692823	-0.06794	0.969662	-0.07006	0.944143	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-55006	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr1-2004	7.940318	0.058086	0.829203	0.07005	0.944154	0.981636	chr1	2E+08	2E+08	+	0	NA	TTS (NM_(	TTS (NM_(	5366	NM_001281	23528	Hs.59757	NM_012482	ENSG0000(	ZNF281	ZBP-99|ZN	zinc fing	protein-coding
chr1-2295	7.940318	0.058086	0.829203	0.07005	0.944154	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	11323	NM_012089	23456	Hs.17614	NM_012089	ENSG0000(	ABCB10	EST20237|	ATP bindi	protein-coding
chr6-1091	7.940318	0.058086	0.829203	0.07005	0.944154	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	FLAM_C|SI	-6305	NR_152435	221262	Hs.373914	NM_173671	ENSG0000(	CCDC162P	C6orf183|	coiled-co	pseudo
chr7-1289	7.940318	0.058086	0.829203	0.07005	0.944154	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	L3|LINE|C	44924	NM_001364	3663	Hs.521181	NM_032643	ENSG0000(	IRF5	SLEB10	interfero	protein-coding
chr9-1329	7.940318	0.058086	0.829203	0.07005	0.944154	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	23712	NM_001316	11092	Hs.62595	NM_018956	ENSG0000(	SPACA9	C9orf9|Ma	sperm acr	protein-coding
chr19-144	5.651683	-0.07072	1.011017	-0.06995	0.944235	0.981636	chr19	14470759	14470958	+	0	NA	intron (N	intron (N	4496	NM_000955	5731	Hs.15936(	NM_000955	ENSG0000(	PTGER1	EP1	prostagla	protein-coding
chr1-2044	6.990131	0.061655	0.882098	0.069896	0.944277	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-21917	NM_032833	84919	Hs.304376	NM_032833	ENSG0000(	PPP1R15B	CREP|MSSC	protein p	protein-coding
chr10-797	6.990131	0.061655	0.882098	0.069896	0.944277	0.981636	chr10	79764731	79766534	+	0	NA	non-codir	non-codir	-60270	NR_029407	642361	Hs.164298	NR_029407	ENSG0000(	LOC642361	-	uncharact	ncRNA
chr15-711	6.990131	0.061655	0.882098	0.069896	0.944277	0.981636	chr15	71156646	71156956	+	0	NA	intron (N	L2a|LINE|	15352	NM_024817	79875	Hs.387057	NM_024817	ENSG0000(	THSD4	ADAMTSL-6	thrombosp	protein-coding
chr17-771	6.990131	0.061655	0.882098	0.069896	0.944277	0.981636	chr17	77147090	77147600	+	0	NA	intron (N	intron (N	6376	NM_001039	6397	Hs.464184	NM_003003	ENSG0000(	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr19-197	6.990131	0.061655	0.882098	0.069896	0.944277	0.981636	chr19	19786278	19787409	+	0	NA	intron (N	AluSx|SIN	10269	NM_001355	7608		NM_001355194		ZNF56	ZNF742	zinc fing	protein-coding
chr7-1417	13.861	0.044499	0.637011	0.069856	0.944308	0.981636	chr7	1.42E+08	1.42E+08	+	0	NA	TTS (NM_(	TTS (NM_(	12169	NM_001256	6742	Hs.490394	NM_003143	ENSG0000(	SSBP1	Mt-SSB|SC	single st	protein-coding
chr11-656	9.946544	0.051903	0.743158	0.069841	0.94432	0.981636	chr11	65634809	65637202	+	0	NA	promoter-	promoter-	-305	NR_039839	1.01E+08		NR_039839	ENSG0000(	MIR4690	-	microRNA	ncRNA
chr17-375	9.946544	0.051903	0.743158	0.069841	0.94432	0.981636	chr17	37566664	37570478	+	0	NA	intron (N	intron (N	40847	NM_08055(	11276	Hs.594647	NM_007247	ENSG0000(	SYNRG	AP1GBP1|S	synergin	protein-coding
chr17-394	9.946544	0.051903	0.743158	0.069841	0.94432	0.981636	chr17	39408640	39411437	+	0	NA	exon (NM_	exon (NM_	-7482	NM_00137(	84961	Hs.462946	NM_032875	ENSG0000(	FBXL20	Fbl2|Fbl2	F-box and	protein-coding
chr14-227	11.90377	0.047612	0.682315	0.06978	0.944369	0.981636	chr14	22769670	22772490	+	0	NA	exon (NM_	exon (NM_	4392	NM_005015	5018	Hs.151134	NM_005015	ENSG0000(	OXA1L	OXA1	OXA1L mit	protein-coding
chr15-898	8.468338	0.055915	0.802077	0.069713	0.944422	0.981636	chr15	89870223	89870705	+	0	NA	intron (N	intron (N	13566	NR_049807	1.01E+08		NR_049807	ENSG0000(	MIR5009	-	microRNA	ncRNA
chr9-9285	8.468338	0.055915	0.802077	0.069713	0.944422	0.981636	chr9	92859205	92860798	+	0	NA	intron (N	MER77|LTR	17967	NM_001354	83744	Hs.668378	NM_031486	ENSG0000(	ZNF484	BA526D8.4	zinc fing	protein-coding
chr22-207	7.120182	-0.06059	0.87132	-0.06954	0.944559	0.981636	chr22	20791724	20792912	+	0	NA	intron (N	intron (N	18205	NM_000185	3053	Hs.47427(	NM_000185	ENSG0000(	SERPIND1	D22S673|H	serpin fa	protein-coding
chr3-3822	7.120182	-0.06059	0.87132	-0.06954	0.944559	0.981636	chr3	38223960	38224469	+	0	NA	intron (N	L1MB3|LIN	-41598	NM_004256	9390	Hs.225941	NM_004256	ENSG0000(	SLC22A13	OAT10|OCT	solute ca	protein-coding
chr3-1972	7.120182	-0.06059	0.87132	-0.06954	0.944559	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	11383	NR_03996(	1.01E+08		NR_03996(	ENSG0000(	MIR4797	-	microRNA	ncRNA
chr7-1021	7.120182	-0.06059	0.87132	-0.06954	0.944559	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-105419	NM_020979	10603	Hs.489448	NM_020979	ENSG0000(	SH2B2	APS	SH2B adap	protein-coding
chr15-509	9.897547	0.051727	0.744669	0.069464	0.944621	0.981636	chr15	50984139	50985303	+	0	NA	intron (N	L1PA5|LIN	40592	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr2-1275	9.897547	0.051727	0.744669	0.069464	0.944621	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSc|SIN	6067	NM_017969	55677	Hs.469879	NM_017969	ENSG0000(	IWS1	-	interacts	protein-coding
chr12-120	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	7978	NM_001303	9761	Hs.74491(	NM_01473(	ENSG0000(	MLEC	KIAA0152	malectin	protein-coding
chr14-390	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr14	39088596	39094161	+	0	NA	intron (N	intron (N	-11762	NR_146545	1.05E+08		NR_146545	ENSG0000(	SEC23A-AS	-	SEC23A ar	ncRNA
chr14-747	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr14	74727091	74728001	+	0	NA	intron (N	L1PA3|LIN	14402	NM_001318	51077	Hs.579828	NM_015962	ENSG0000(	FCF1	Bka|C14or	FCF1 rRNA	protein-coding
chr16-585	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr16	58535718	58542986	+	0	NA	intron (N	AluJr|SIN	9281	NR_002978	677827	Hs.688592	NR_002978	ENSG0000(	SNORA46	ACA46	small nuc	snoRNA
chr19-412	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr19	41291334	41296248	+	0	NA	intron (N	AluJo|SIN	-16381	NM_052848	90324	Hs.437497	NM_052848	ENSG0000(	CCDC97	-	coiled-co	protein-coding
chr5-1328	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	21981	NM_052971	116842	Hs.337588	NM_052971	ENSG0000(	LEAP2	LEAP-2	liver enr	protein-coding
chr9-3327	10.42557	0.05028	0.724455	0.069404	0.944668	0.981636	chr9	33274682	33282237	+	0	NA	intron (N	intron (N	-12057	NM_001318	4799	Hs.413074	NM_002504	ENSG0000(	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr1-1514	12.3828	0.046416	0.668972	0.069384	0.944684	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	TTS (NM_2	TTS (NM_2	2238	NM_002796	5692	Hs.89545	NM_002796	ENSG0000(	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr11-627	12.3828	0.046416	0.668972	0.069384	0.944684	0.981636	chr11	62713719	62724260	+	0	NA	intron (N	AluSg7|SI	8395	NR_037946	1.01E+08	Hs.533709	NR_037946	ENSG0000(	HNRNPUL2-	-	HNRNPUL2-	ncRNA

chr16-696	12.3828	0.046416	0.668972	0.069384	0.944684	0.981636	chr16	69634290	69638200	+	0	NA	intron (N	THE1A-int	70279	NM_138713	10725	Hs.371987	NM_006599	ENSG00000	NFAT5	NF-AT5|NF	nuclear f	protein-coding
chr1-2790	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr1	27908701	27909747	+	0	NA	intron (N	Tigger12|	5351	NM_002946	6118	Hs.79411	NM_002946	ENSG00000	RPA2	REPA2|RP-	replicati	protein-coding
chr1-1093	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSq2|SI	-30273	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr11-963	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr11	963190	965110	+	0	NA	intron (N	intron (N	38280	NM_012305	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr15-250	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr15	25091548	25093015	+	0	NA	TTS (NR_0	TTS (NR_0	496	NR_003337	1E+08		NR_003337	ENSG00000	SNORD116-	HBII-85-2	small nuc	snoRNA
chr15-590	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr15	59073183	59074279	+	0	NA	intron (N	Tigger1|D	-31415	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr20-446	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr20	44614823	44617731	+	0	NA	intron (N	L2c|LINE|	33698	NM_001281	11142	Hs.472831	NM_007066	ENSG00000	PKIG	PKI-gamma	cAMP-depe	protein-coding
chr3-1156	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr3	11564724	11567298	+	0	NA	intron (N	intron (N	2787	NM_001128	9686	Hs.740389	NM_014667	ENSG00000	VGLL4	VGL-4	vestigial	protein-coding
chr3-5248	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr3	52485712	52488465	+	0	NA	intron (N	intron (N	-8250	NM_015136	23166	Hs.301989	NM_015136	ENSG00000	STAB1	CLEVER-1|	stabilin	protein-coding
chr3-1830	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	L1MC1|LIN	48156	NR_120640	56922	Hs.47649	NM_020166	ENSG00000	MCCC1	MCC-B|MCC	methylcro	protein-coding
chr4-7762	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr4	7762023	7763900	+	0	NA	3’ UTR (N	3’ UTR (N	8871	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr5-5299	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr5	52992797	52993208	+	0	NA	intron (N	intron (N	3650	NR_073104	3673	Hs.482077	NM_002203	ENSG00000	ITGA2	BR|CD49B|	integrin	protein-coding
chr5-7079	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr5	70793668	70794496	+	0	NA	intron (N	AluSg4|SI	-14996	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr8-2217	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr8	22179924	22180747	+	0	NA	intron (N	intron (N	14963	NR_033403	649	Hs.1274	NM_001199	ENSG00000	BMP1	OI13|PCOL	bone morp	protein-coding
chr8-2658	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr8	26589412	26592487	+	0	NA	intron (N	intron (N	12544	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr9-1212	7.16918	-0.06001	0.865059	-0.06937	0.944697	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MIRb|SINE	-4208	NM_001353	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr1-1184	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	11841261	11843923	+	0	NA	non-codin	non-codin	2273	NR_037806	1E+08	Hs.710015	NR_037806		NPPA-AS1	NPPA-AS|N	NPPA anti	ncRNA
chr1-1703	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	17030987	17033770	+	0	NA	intron (N	AluSx1|SI	-20450	NM_001141	23400	Hs.128866	NM_022089	ENSG00000	ATP13A2	CLN12|HSA	ATPase ca	protein-coding
chr1-2798	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	27986628	27991360	+	0	NA	intron (N	intron (N	29532	NM_018053	55113	Hs.55024	NM_018053	ENSG00000	XKR8	XRG8|hXkr	XK relate	protein-coding
chr1-5278	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	52782913	52788115	+	0	NA	intron (N	AluSc|SIN	-57246	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr1-7786	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	77866939	77867138	+	0	NA	intron (N	intron (N	-21477	NM_144573	91624	Hs.612385	NM_144573	ENSG00000	NEXN	CMH20|NEL	nexilin F	protein-coding
chr1-1081	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSx1|SI	10072	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr1-1457	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1MB2|LIN	26230	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr1-1698	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	17747	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr1-2118	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	L1PA17|LI	-23036	NR_135818	1.03E+08	Hs.147656	NR_135818	ENSG00000	LPGAT1-AS	-	LPGAT1 an	ncRNA
chr1-2446	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	AluSp|SIN	40582	NM_016076	51029	Hs.498317	NM_016076	ENSG00000	DESI2	C1orf121|	desumoyla	protein-coding
chr10-149	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr10	14940903	14942532	+	0	NA	intron (N	L1MD|LINE	12379	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr10-177	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr10	17712635	17719238	+	0	NA	3’ UTR (N	3’ UTR (N	-36265	NM_001098	653567	Hs.564139	NM_001013	ENSG00000	TMEM236	FAM23A|FA	transmemb	protein-coding
chr10-499	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr10	49954191	49955587	+	0	NA	TTS (NR_1	TTS (NR_1	677	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr10-879	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr10	87902485	87905121	+	0	NA	intron (N	L1PA6|LIN	40178	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr11-128	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr11	12879899	12880933	+	0	NA	intron (N	MIRb|SINE	109132	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-185	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr11	18543837	18545648	+	0	NA	exon (NM_	exon (NM_	-17800	NM_006292	7251	Hs.523512	NM_006292	ENSG00000	TSG101	TSG10|VPS	tumor sus	protein-coding
chr11-639	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr11	63987865	63989867	+	0	NA	intron (N	intron (N	3013	NR_003089	55611	Hs.473788	NM_017670	ENSG00000	OTUB1	HSPC263|O	OTU deubi	protein-coding
chr11-703	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr11	70328250	70331236	+	0	NA	intron (N	AluJb|SIN	45788	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr11-118	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	15495	NM_004788	9354	Hs.75275	NM_004788	ENSG00000	UBE4A	E4|UBOX2|	ubiquitin	protein-coding
chr12-763	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr12	76357086	76358886	+	0	NA	intron (N	intron (N	-9571	NM_024685	79738	Hs.96322	NM_024685	ENSG00000	BBS10	C12orf58	Bardet-Bi	protein-coding
chr12-111	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr12	1.11E+08	1.12E+08	+	0	NA	intron (N	intron (N	66043	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr12-118	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	8361	NM_002567	5037	Hs.433863	NM_002567	ENSG00000	PEBP1	HCNP|HCNP	phosphati	protein-coding
chr14-509	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr14	50934032	50936821	+	0	NA	intron (N	MIR|SINE|	9057	NM_002863	5836	Hs.282417	NM_002863	ENSG00000	PYGL	GSD6	glycogen	protein-coding
chr14-739	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr14	73932037	73935675	+	0	NA	3’ UTR (N	3’ UTR (N	-16078	NM_182480	51004	Hs.131555	NM_182476	ENSG00000	COQ6	CGI-10|CO	coenzyme	protein-coding
chr15-446	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	44649985	44651944	+	0	NA	intron (N	AluSx1|SI	12698	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-746	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	74684941	74685430	+	0	NA	intron (N	AluJo|SIN	10839	NM_001142	80153	Hs.96852	NM_025083	ENSG00000	EDC3	LSM16|MRT	enhancer	protein-coding
chr15-754	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	75492087	75493693	+	0	NA	intron (N	AluJo|SIN	-37075	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr15-830	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	83048172	83050420	+	0	NA	intron (N	MER6|DNA|	17956	NM_001011	53339	Hs.459149	NM_025238	ENSG00000	BTBD1	C15orf1|N	BTB domai	protein-coding
chr15-884	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	88463166	88463984	+	0	NA	intron (N	L2c|LINE|	3813	NM_022163	26589	Hs.534261	NM_022163	ENSG00000	MRPL46	C15orf4|L	mitochond	protein-coding
chr15-906	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr15	90638756	90643467	+	0	NA	non-codin	non-codin	-19123	NR_120371	1.02E+08	Hs.615348	NR_120371	ENSG00000	LINC01585	-	long inte	ncRNA
chr16-243	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr16	2436040	2437556	+	0	NA	intron (N	intron (N	7351	NM_001761	899	Hs.1973	NM_001761	ENSG00000	CCNF	FBX1|FBXO	cyclin F	protein-coding
chr16-146	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr16	14616109	14617431	+	0	NA	intron (N	intron (N	13490	NM_002582	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr16-235	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr16	23588896	23593717	+	0	NA	intron (N	intron (N	5010	NM_005003	4706	Hs.189716	NM_005003	ENSG00000	NDUFAB1	ACP|ACP1|	NADH:ubiq	protein-coding
chr17-199	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr17	19922020	19924645	+	0	NA	intron (N	AluSx|SIN	54496	NM_007202	11216	Hs.642676	NM_007202	ENSG00000	AKAP10	AKAP-10|D	A-kinase	protein-coding
chr17-358	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr17	35826417	35828621	+	0	NA	intron (N	AluSq2|SI	18035	NM_139215	8148	Hs.402752	NM_003487	ENSG00000	TAF15	Npl3|RBP5	TATA-box	protein-coding
chr17-767	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr17	76741849	76742685	+	0	NA	exon (NM_	exon (NM_	4766	NM_024311	79157	Hs.73965	NM_024311	ENSG00000	MFSD11	ET	major fac	protein-coding
chr18-577	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr18	57731106	57731567	+	0	NA	intron (N	(AT)n|Sim	71979	NM_005603	5205	Hs.216623	NM_005603	ENSG00000	ATP8B1	ATPIC|BRI	ATPase ph	protein-coding
chr18-585	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr18	58503312	58504763	+	0	NA	exon (NM_	exon (NM_	-52885	NR_039899	1.01E+08		NR_039899	ENSG00000	MIR3591	-	microRNA	ncRNA
chr18-588	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr18	58872823	58875978	+	0	NA	intron (N	AluSq2|SI	9523	NM_001353	55205	Hs.529023	NM_018181	ENSG00000	ZNF532	-	zinc fing	protein-coding
chr19-885	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr19	885131	887285	+	0	NA	intron (N	intron (N	6979	NM_005481	10025	Hs.365207	NM_005481	ENSG00000	MED16	DRIP92|TH	mediator	protein-coding
chr19-172	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr19	17212755	17213656	+	0	NA	TTS (NM_0	TTS (NM_0	-2152	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-463	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr19	46353682	46357109	+	0	NA	intron (N	intron (N	8308	NM_006247	5536	Hs.654604	NM_006247	ENSG00000	PPP5C	PP5|PPP5|	protein p	protein-coding
chr2-6646	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr2	66466869	66470337	+	0	NA	intron (N	MIR|SINE|	-28273	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-1327	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-48186	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr20-603	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr20	6035910	6038373	+	0	NA	exon (NM_	exon (NM_	16919	NM_152611	164312	Hs.149133	NM_152611	ENSG00000	LRRN4	C20orf75|	leucine r	protein-coding
chr21-323	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr21	32334102	32338928	+	0	NA	intron (N	intron (N	40807	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNO	small nuc	snoRNA
chr21-392	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr21	39212883	39215939	+	0	NA	intron (N	L1MC4a|LI	-30897	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr22-238	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr22	23803170	23809521	+	0	NA	intron (N	L4_A_Mam|	19379	NM_003073	6598	Hs.534350	NM_003073	ENSG00000	SMARCB1	BAF47|CSS	SWI/SNF r	protein-coding
chr22-309	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr22	30952759	30956920	+	0	NA	intron (N	intron (N	13448	NM_001303	22880	Hs.555918	NM_014941	ENSG00000	MORC2	CMT2Z|ZCW	MORC fami	protein-coding
chr22-379	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr22	37912661	37919422	+	0	NA	intron (N	intron (N	9744	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr3-1257	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr3	12577123	12580673	+	0	NA	intron (N	intron (N	21811	NM_014160	23609	Hs.591666	NM_014160	ENSG00000	MKRN2	HSPC070|M	makorin r	protein-coding
chr3-4572	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr3	45729916	45733313	+	0	NA	intron (N	intron (N	42218	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr3-4770	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr3	47700367	47702600	+	0	NA	intron (N	intron (N	-39789	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-7096	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr3	70968937	70972654	+	0	NA	non-codin	non-codin	94129	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1964	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJr|SIN	22442	NM_152617	165918	Hs.250648	NM_152617	ENSG00000	RNF168	hRNF168	ring fing	protein-coding
chr4-2002	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr4	2002171	2004024	+	0	NA	intron (N	L1PA8A|LI	5877	NM_005663	7469	Hs.21771	NM_005663	ENSG00000	NELFA	NELF-A|P/	negative	protein-coding
chr4-7134	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr4	71342177	71343532	+	0	NA	intron (N	intron (N	3801	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr4-7617	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr4	76177798	76179427	+	0	NA	intron (N	intron (N	-30097	NR_103781	53371	Hs.430435	NM_017426	ENSG00000	NUP54	-	nucleopor	protein-coding
chr5-6910	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr5	69101214	69105421	+	0	NA	intron (N	intron (N	9303	NM_022902	64924	Hs.631975	NM_022902	ENSG00000	SLC30A5	ZNT5|ZNTL	solute ca	protein-coding
chr5-1542	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-51092	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr6-2812	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr6	28121651	28122417	+	0	NA	non-codin	non-codin	-2522	NM_001320	80345	Hs.656641	NM_025231	ENSG00000	ZSCAN16	ZNF392|ZN	zinc fing	protein-coding
chr6-3169	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr6	31695337	31698015	+	0	NA	intron (N	intron (N	4415	NR_039789	1.01E+08		NR_039789	ENSG00000	MIR4646	mir-4646	microRNA	ncRNA
chr6-9054	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr6	90549377	90550857	+	0	NA	intron (N	intron (N	36955	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1427	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr6	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	-136081	NR_027312	153910	Hs.350819	NR_027311	ENSG00000	LOC153910	-	uncharact	ncRNA
chr7-3978	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr7	39780919	39781990	+	0	NA	intron (N	AluJb|SIN	47886	NR_026999	349114	Hs.414183	NM_198284		LINC00265	NCRNA0026	long inte	ncRNA
chr8-2301	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr8	23014176	23018342	+	0	NA	intron (N	intron (N	16680	NM_015178	23221	Hs.372688	NM_015178	ENSG00000	RHOBTB2	DBC2|EIEE	Rho relat	protein-coding
chr8-6723	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr8	67236843	67238156	+	0	NA	intron (N	intron (N	106282	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr9-1249	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSq2|SI	-29627	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chrX-5189	6.674441	-0.06154	0.887718	-0.06933	0.944728	0.981636	chrX	51897709	51900693	+	0	NA	intron (N	AluSp|SIN	5578	NM_001005	9500	Hs.5258	NM_006986	ENSG00000	MAGED1	DLXIN-1|N	MAGE fami	protein-coding
chr1-1457	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	35608	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr10-871	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr10	87187094	87188725	+	0	NA	intron (N	L1MCc|LIN	-37539	NM_001099	728118	Hs.710565	NM_001099	ENSG00000	NUTM2A	FAM22A	NUT famil	protein-coding
chr2-6509	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr2	65098414	65102142	+	0	NA	intron (N	AluSg4|SI	29828	NM_004161	5861	Hs.310645	NM_004161	ENSG00000	RAB1A	RAB1|YPT1	RAB1A, me	protein-coding
chr2-1310	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSq2|SI	13193	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr2-1999	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr2	2E+08	2E+08	+	0	NA	TTS (NR_1	TTS (NR_1	-9022	NM_001039	129450	Hs.204619	NM_152382	ENSG00000	TYW5	C2orf60|h	tRNA-yW s	protein-coding
chr7-8721	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr7	872101	873048	+	0	NA	intron (N	intron (N	-3980	NM_015949	51608	Hs.107387	NM_015949	ENSG00000	GET4	C7orf20|C	guided en	protein-coding
chr8-1438	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	-1244	NM_182706	23513	Hs.436329	NM_015356	ENSG00000	SCRIB	CRIB1|SCR	scribble	protein-coding
chr9-9263	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr9	92630709	92634625	+	0	NA	intron (N	intron (N	14617	NR_036505	1E+08	Hs.660395	NR_036505		LOC100128	-	uncharact	ncRNA
chr9-1326	8.94736	0.053802	0.778338	0.069124	0.944891	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	8762	NM_012204	9329	Hs.22302	NM_012204	ENSG00000	GTF3C4	KAT12|TF3	general t	protein-coding
chr1-1108	7.469153	0.058723	0.85023	0.069067	0.944937	0.981636	chr1	11080936	11082161	+	0	NA	intron (N	MIRb|SINE	-18127	NR_135061	1.05E+08	Hs.634965	NR_135061	ENSG00000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-1761	7.469153	0.058723	0.85023	0.069067	0.944937	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1MA2|LIN	80930	NM_001001	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr12-478	7.469153	0.058723	0.85023	0.069067	0.944937	0.981636	chr12	47878625	47879059	+	0	NA	intron (N	intron (N	26152	NM_000376	7421	Hs.524368	NM_000376	ENSG00000	VDR	NR1I1|PPP	vitamin D	protein-coding
chr19-157	7.663918	-0.05897	0.854115	-0.06904	0.94496	0.981636	chr19	1577248	1577903	+	0	NA	3’ UTR (N	3’ UTR (N	-9250	NM_001174	399664	Hs.436495	NM_203304	ENSG00000	MEX3D	MEX-3D|ME	mex-3 RNA	protein-coding
chr1-2191	8.41934	0.055777	0.808084	0.069024	0.944971	0.981636	chr1	2.19E+08	2.19E+08	+	0	NA	intron (N	L1PA10|LI	20754	NM_001300	127018	Hs.657617	NM_138794	ENSG00000	LYPLAL1	Q96AV0	lysophosp	protein-coding
chr5-1266	8.41934	0.055777	0.808084	0.069024	0.944971	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5801	NM_207408	389320	Hs.177983	NM_207408	ENSG00000	TEX43	C5orf48|T	testis ex	protein-coding
chr7-1511	8.41934	0.055777	0.808084	0.069024	0.944971	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	16502	NM_001308	116988	Hs.647075	NM_031946	ENSG00000	AGAP3	AGAP-3|CE	ArfGAP wi	protein-coding
chr9-9766	8.41934	0.055777	0.808084	0.069024	0.944971	0.981636	chr9	97662054	97663018	+	0	NA	intron (N	intron (N	28715	NM_002486	4686	Hs.595669	NM_002486	ENSG00000	NCBP1	CBP80|NCB	nuclear c	protein-coding
chr9-1089	8.41934	0.055777	0.808084	0.069024	0.944971	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	9710	NM_001318	8518	Hs.494738	NM_003640	ENSG00000	ELP1	DYS|FD|IK	elongator	protein-coding
chr1-2226	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	MER68|LTR	25836	NM_022831	64853	Hs.156625	NM_022831	ENSG00000	AIDA	C1orf80	axin inte	protein-coding
chr10-149	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr10	14916098	14921319	+	0	NA	intron (N	intron (N	35388	NM_001350	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr14-770	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr14	77023755	77027189	+	0	NA	exon (NM_	exon (NM_	3236	NM_024496	64207	Hs.179260	NM_024496	ENSG00000	IRF2BPL	C14orf4|E	interfero	protein-coding
chr16-281	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr16	28168625	28170677	+	0	NA	intron (N	intron (N	42314	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANB	exportin	protein-coding
chr16-751	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr16	75166828	75172638	+	0	NA	exon (NM_	exon (NM_	20682	NM_001318	162239	Hs.388813	NM_153688	ENSG00000	ZFP1	ZNF475	ZFP1 zinc	protein-coding
chr16-896	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr16	89644993	89648514	+	0	NA	intron (N	intron (N	10955	NR_046418	5119	Hs.589427	NM_002768	ENSG00000	CHMP1A	CHMP1|PCH	charged m	protein-coding
chr19-527	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr19	52704335	52713975	+	0	NA	intron (N	intron (N	-18574	NM_001277	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr2-4635	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr2	46355122	46363407	+	0	NA	intron (N	AluSc|SIN	34903	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA
chr2-6934	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr2	69341003	69366698	+	0	NA	intron (N	intron (N	33377	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr3-1292	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	2470	NM_016128	22820	Hs.518250	NM_016128	ENSG00000	COPG1	COPG	coatomer	protein-coding
chr5-1797	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluY|SINE	10180	NM_001024	821	Hs.567968	NM_001746	ENSG00000	CANX	CNX|IP90|	calnexin	protein-coding
chr6-2470	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr6	24703088	24717951	+	0	NA	intron (N	AluSp|SIN	8635	NM_030939	81688	Hs.744857	NM_030939	ENSG00000	C6orf62	Nbla00237	chromosom	protein-coding
chr6-4288	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr6	42881333	42888802	+	0	NA	intron (N	AluSc|SIN	5451	NR_134563	285855	Hs.520133	NM_198486	ENSG00000	RPL7L1	dJ475N16.	ribosomal	protein-coding
chr6-1459	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	54879	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr7-7299	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr7	72993743	73003649	+	0	NA	non-codin	non-codin	7247	NR_040582	442578	Hs.632310	NM_001013739		STAG3L3	STAG3L1|S	stromal a	pseudo
chr7-1349	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr7	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-34834	NR_160299	340351	Hs.648616	NM_178563	ENSG00000	AGBL3	CCP3	ATP/GTP b	protein-coding
chr9-1115	10.90459	0.048813	0.708313	0.068915	0.945057	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	19383	NM_012212	22949	Hs.584864	NM_012212	ENSG00000	PTGR1	LTB4DH|PG	prostagla	protein-coding
chr19-357	6.941134	0.061668	0.896017	0.068825	0.945129	0.981636	chr19	35763828	35764244	+	0	NA	intron (N	AluJo|SIN	5860	NM_001039	148137	Hs.527982	NM_144692	ENSG00000	PROSER3	C19orf55	proline a	protein-coding
chr2-8535	6.941134	0.061668	0.896017	0.068825	0.945129	0.981636	chr2	85356995	85357430	+	0	NA	non-codin	non-codin	2443	NM_001135	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr5-6606	6.941134	0.061668	0.896017	0.068825	0.945129	0.981636	chr5	66061406	66061912	+	0	NA	intron (N	L1PA4|LIN	-82641	NM_001323	140890	Hs.49367	NM_139168	ENSG00000	SREK1	SFRS12|SF	splicing	protein-coding

chr1-1505	8.596539	-0.05597	0.813355	-0.06882	0.945136	0.981636	chr1	15059877	15060494	+	0	NA	exon (NM_	exon (NM_	92279	NR_027136	200197	Hs.531424	NM_182534	ENSG00000	TMEM51-AS	C1orf126	TMEM51 ar	ncRNA
chr16-295	10.37657	0.050137	0.730799	0.068606	0.945303	0.981636	chr16	29550314	29551580	+	0	NA	intron (N	intron (N	44145	NR_135305	440354	Hs.552700	NR_002473		SMG1P2	-	SMG1 pseu	pseudo
chr14-350	8.101801	-0.05651	0.824645	-0.06853	0.945367	0.981636	chr14	35026487	35027251	+	0	NA	intron (N	AluSc|SIN	-18038	NM_001079	283635	Hs.446357	NM_173607	ENSG00000	FAM177A1	C14orf24	family wi	protein-coding
chr3-3725	8.101801	-0.05651	0.824645	-0.06853	0.945367	0.981636	chr3	37251669	37254113	+	0	NA	intron (N	L1ME3B|LI	-8696	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr1-5385	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr1	53856264	53857308	+	0	NA	intron (N	intron (N	-18490	NM_001168	55706	Hs.476525	NM_018087	ENSG00000	NDC1	NET3|TMEM	NDC1 tran	protein-coding
chr10-314	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr10	31472687	31473669	+	0	NA	intron (N	L1PA3|LIN	-73423	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr10-111	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr10	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	21507	NR_031614	1E+08		NR_031614	ENSG00000	MIR548E	MIRN548E|	microRNA	ncRNA
chr12-459	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr12	45940862	45941726	+	0	NA	intron (N	L1MA9|LIN	49280	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr13-524	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr13	52445104	52446067	+	0	NA	intron (N	AluY|SINE	4659	NM_001282	51028	Hs.109520	NM_016075	ENSG00000	VPS36	C13orf9|C	vacuolar	protein-coding
chr13-950	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr13	95058356	95059170	+	0	NA	intron (N	MIRb|SINE	98722	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr13-984	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr13	98473623	98475261	+	0	NA	intron (N	intron (N	47683	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr14-507	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr14	50737884	50738947	+	0	NA	intron (N	intron (N	-70109	NM_021818	60485	Hs.642842	NM_021818	ENSG00000	SAV1	SAV|WW45|	salvador	protein-coding
chr15-327	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr15	32778630	32779013	+	0	NA	intron (N	L1MB7|LIN	-59956	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr15-329	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr15	32900202	32901056	+	0	NA	intron (N	intron (N	167545	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr16-162	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr16	1622804	1623328	+	0	NA	intron (N	AluJb|SIN	8426	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr17-285	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr17	28562492	28563356	+	0	NA	intron (N	AluJb|SIN	8600	NM_033198	94005	Hs.462550	NM_033198	ENSG00000	PIGS	GPIBD18	phosphati	protein-coding
chr17-306	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr17	30610522	30612445	+	0	NA	intron (N	intron (N	-12835	NR_033420	6459	Hs.684860	NR_033420		SH3GL1P2	CNSA-P2|S	SH3 domai	pseudo
chr17-685	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr17	68533938	68535799	+	0	NA	TTS (NM_0	TTS (NM_0	19474	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr19-875	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr19	875340	875840	+	0	NA	intron (N	intron (N	15926	NM_001928	1675	Hs.155597	NM_001928	ENSG00000	CFD	ADIPSIN|A	complemen	protein-coding
chr19-172	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr19	17237989	17240351	+	0	NA	intron (N	AluSc5|SI	6172	NM_005234	2063	Hs.466148	NM_005234	ENSG00000	NR2F6	EAR-2|EAR	nuclear r	protein-coding
chr2-1065	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	10650887	10651861	+	0	NA	intron (N	MER33|DNA	38601	NM_024894	79954	Hs.222494	NM_024894	ENSG00000	NOL10	PQBP5	nucleolar	protein-coding
chr2-2875	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	28759029	28761462	+	0	NA	intron (N	Tigger3b|	8415	NM_002709	5500	Hs.702907	NM_002709	ENSG00000	PPP1CB	HEL-S-80p	protein p	protein-coding
chr2-1572	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	intron (N	L1PA6|LIN	16709	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr2-2009	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluJb|SIN	20746	NM_001142	60491	Hs.145284	NM_021824	ENSG00000	NIF3L1	ALS2CR1|C	NGG1 inte	protein-coding
chr2-2017	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	(GAGAA)n|	-7815	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|I	membrane	protein-coding
chr2-2031	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluJr|SIN	-91744	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-213	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr20	21382200	21384754	+	0	NA	intron (N	MIR|SINE|	14049	NM_033176	644524		NM_033176	ENSG00000	NKX2-4	NKX2.4|NK	NK2 homeo	protein-coding
chr3-9670	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr3	9670694	9671478	+	0	NA	exon (NM_	exon (NM_	21581	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr3-4570	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr3	45709705	45711543	+	0	NA	intron (N	intron (N	21228	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr3-1413	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr3	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-6374	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr4-2070	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr4	20704648	20707601	+	0	NA	intron (N	intron (N	5666	NM_001330	133015	Hs.479298	NM_145048	ENSG00000	PACRGL	C4orf28	parkin co	protein-coding
chr4-4789	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr4	47898567	47899518	+	0	NA	exon (NM_	exon (NM_	-15185	NR_125879	1.02E+08	Hs.134190	NR_125879		LOC101927	-	uncharact	ncRNA
chr5-1709	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	THE1B-int	119052	NM_022897	64901	Hs.410810	NM_022897	ENSG00000	RANBP17	-	RAN bindi	protein-coding
chr6-7349	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr6	73492861	73493991	+	0	NA	intron (N	AluSq2|SI	25012	NR_132981	1.07E+08		NR_132981		SNORD141B	-	small nuc	snoRNA
chr8-1334	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	83859	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1377	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	44140	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chrX-1581	6.179703	-0.06341	0.925617	-0.06851	0.945383	0.981636	chrX	15818390	15819634	+	0	NA	intron (N	AluSq2|SI	28561	NM_005089	8233	Hs.171909	NM_005089	ENSG00000	ZRSR2	U2AF1-RS2	zinc fing	protein-coding
chr1-7384	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr1	738442	740754	+	0	NA	Intergeni	Intergeni	-9247	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr10-583	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr10	58389636	58390008	+	0	NA	intron (N	intron (N	4412	NM_003201	7019	Hs.594250	NM_003201	ENSG00000	TFAM	MTDPS15|M	transcrip	protein-coding
chr10-918	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr10	91830399	91832029	+	0	NA	intron (N	intron (N	32788	NM_025235	80351	Hs.329327	NM_025235	ENSG00000	TNKS2	ARTD6|PAR	tankyrase	protein-coding
chr16-683	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr16	68307581	68308825	+	0	NA	intron (N	intron (N	2743	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr2-4610	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr2	46104140	46106494	+	0	NA	intron (N	Tigger2|D	-192090	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-2031	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-70618	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr21-465	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr21	46509201	46512283	+	0	NA	intron (N	AluY|SINE	48271	NR_046400	1.01E+08	Hs.737163	NR_046400	ENSG00000	DIP2A-IT1	-	DIP2A int	ncRNA
chr3-7300	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr3	73005481	73006745	+	0	NA	intron (N	L1ME1|LIN	9302	NM_174907	151987	Hs.431092	NM_174907	ENSG00000	PPP4R2	PP4R2	protein p	protein-coding
chr4-1501	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr4	15016804	15017841	+	0	NA	intron (N	intron (N	14841	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr5-7145	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr5	71458623	71462541	+	0	NA	intron (N	intron (N	4931	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr5-1379	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	63593	NM_014386	27039	Hs.716884	NM_014386	ENSG00000	PKD2L2	TRPP5	polycysti	protein-coding
chr7-4291	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr7	42919509	42923919	+	0	NA	intron (N	intron (N	-9624	NM_001099	79020	Hs.698120	NM_024054	ENSG00000	C7orf25	-	chromosom	protein-coding
chr7-1296	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	THE1B-int	30607	NM_001040	4899	Hs.654363	NM_005011	ENSG00000	NRF1	ALPHA-PAL	nuclear r	protein-coding
chr9-1135	9.426382	0.05193	0.758115	0.068499	0.945388	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2929	NM_001276	5998	Hs.494875	NM_017790	ENSG00000	RGS3	C2PA|RGP3	regulator	protein-coding
chr1-2466	11.38361	0.047473	0.694339	0.068372	0.94549	0.981636	chr1	24660665	24673757	+	0	NA	intron (N	L1MB8|LIN	23632	NM_001366	10250	Hs.18192	NM_005839	ENSG00000	SRRM1	160-KD|PC	serine ar	protein-coding
chr10-752	11.38361	0.047473	0.694339	0.068372	0.94549	0.981636	chr10	75212080	75224334	+	0	NA	intron (N	AluJr|SIN	8053	NM_001324	7417	Hs.355927	NM_003375	ENSG00000	VDAC2	POR	voltage d	protein-coding
chr16-676	6.469969	0.062488	0.914752	0.068311	0.945538	0.981636	chr16	67637926	67638954	+	0	NA	3’ UTR (N	3’ UTR (N	-6704	NM_001013	146206	Hs.611432	NM_001013	ENSG00000	CARMIL2	CARMIL2b|	capping p	protein-coding
chr2-2247	6.469969	0.062488	0.914752	0.068311	0.945538	0.981636	chr2	2.25E+08	2.25E+08	+	0	NA	exon (NM_	exon (NM_	172068	NM_001290	55619	Hs.46578	NM_014689	ENSG00000	DOCK10	DRIP2|Nbl	dedicator	protein-coding
chr1-5138	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr1	51385447	51386779	+	0	NA	intron (N	intron (N	35982	NM_001159	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr12-724	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr12	72446527	72446818	+	0	NA	intron (N	L1P2|LINE	-173163	NR_026836	283392	Hs.363603	NM_001025	ENSG00000	TRHDE-AS1	-	TRHDE ant	ncRNA
chr13-409	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr13	40932911	40933809	+	0	NA	3’ UTR (N	3’ UTR (N	-11586	NR_003365	283507	Hs.442781	NR_003365	ENSG00000	SUGT1P3	SUGT1L1	SUGT1 pse	pseudo
chr14-919	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr14	91991123	91995342	+	0	NA	intron (N	AluSp|SIN	-45530	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr17-394	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr17	39473828	39474628	+	0	NA	intron (N	intron (N	12742	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr17-602	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr17	60225637	60226442	+	0	NA	exon (NM_	exon (NM_	5606	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Caj	ncRNA
chr18-552	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr18	55254099	55254628	+	0	NA	intron (N	L1MB7|LIN	48297	NM_001348	6925	Hs.605153	NM_003199	ENSG00000	TCF4	E2-2|FECD	transcrip	protein-coding
chr2-2025	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr2	20259408	20260396	+	0	NA	intron (N	L1MB4|LIN	-34469	NM_001006	6382	Hs.224607	NM_002997	ENSG00000	SDC1	CD138|SDC	syndecan	protein-coding
chr2-1577	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr2	1.58E+08	1.58E+08	+	0	NA	3’ UTR (N	3’ UTR (N	101606	NM_001347	90	Hs.470316	NM_001105	ENSG00000	ACVR1	ACTRI|ACV	activin A	protein-coding
chr20-391	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr20	391637	392106	+	0	NA	intron (N	AluSz|SIN	10528	NM_001301	57761	Hs.516826	NM_021158	ENSG00000	TRIB3	C20orf97|	tribbles	protein-coding
chr3-1140	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	28848	NM_024638	79691	Hs.477162	NM_024638	ENSG00000	QTRT2	QTRTD1	queuine t	protein-coding
chr3-1605	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSg7|SI	-19500	NR_003001	677767	Hs.675953	NR_003001	ENSG00000	SCARNA7	U90	small Caj	ncRNA
chr3-1680	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	3’ UTR (N	3’ UTR (N	85839	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr6-1587	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-11152	NR_037482	1.01E+08		NR_037482	ENSG00000	MIR3918	mir-3918	microRNA	ncRNA
chr8-3769	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr8	37697504	37699803	+	0	NA	exon (NM_	exon (NM_	2871	NM_025069	80139	Hs.288042	NM_025069	ENSG00000	ZNF703	NLZ1|ZEPP	zinc fing	protein-coding
chr9-1281	7.948176	0.056199	0.823628	0.068233	0.9456	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	6482	NM_001131	25792	Hs.212395	NM_012127	ENSG00000	CIZ1	LSFR1|NP9	CDKN1A in	protein-coding
chr1-1204	12.91082	0.045434	0.666111	0.068209	0.94562	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-19642	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr6-1334	7.518151	0.059349	0.872555	0.068017	0.945772	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	222966	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr22-455	6.625444	-0.06219	0.914357	-0.06801	0.945774	0.981636	chr22	45593513	45593712	+	0	NA	intron (N	intron (N	12035	NR_131244	1.01E+08	Hs.517692	NR_131244	ENSG00000	LINC01589	TCONS_000	long inte	ncRNA
chr4-8345	6.625444	-0.06219	0.914357	-0.06801	0.945774	0.981636	chr4	83457824	83458941	+	0	NA	exon (NM_	exon (NM_	2324	NM_016067	51023	Hs.334772	NM_016067	ENSG00000	MRPS18C	CGI-134|M	mitochond	protein-coding
chr15-681	7.607062	-0.05746	0.845837	-0.06793	0.945842	0.981636	chr15	68184597	68185102	+	0	NA	intron (N	Tigger3|D	21261	NM_033429	91860	Hs.709550	NM_033429	ENSG00000	CALML4	NY-BR-20	calmoduli	protein-coding
chr15-749	7.607062	-0.05746	0.845837	-0.06793	0.945842	0.981636	chr15	74931177	74931663	+	0	NA	intron (N	AluSx1|SI	6653	NM_004255	9377	Hs.401903	NM_004255	ENSG00000	COX5A	COX|COX-V	cytochrom	protein-coding
chr8-2636	7.607062	-0.05746	0.845837	-0.06793	0.945842	0.981636	chr8	26367151	26368550	+	0	NA	intron (N	L1MC4|LIN	15103	NR_144550	157489	Hs.586388	NR_144550	ENSG00000	SDAD1P1	-	SDA1 doma	pseudo
chr14-517	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr14	51710218	51731045	+	0	NA	intron (N	intron (N	3348	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr15-929	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr15	92970444	92972455	+	0	NA	intron (N	(TG)n|Sim	67050	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr18-938	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr18	9388797	9392743	+	0	NA	intron (N	AluJr|SIN	55997	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr18-459	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr18	45926670	45930657	+	0	NA	intron (N	intron (N	38666	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr5-5693	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr5	56933073	56939033	+	0	NA	intron (N	AluSx1|SI	16077	NM_001297	166968	Hs.657594	NM_152622	ENSG00000	MIER3	-	MIER fami	protein-coding
chr5-1500	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	41463	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr8-1982	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr8	19823447	19825295	+	0	NA	intron (N	AluSz|SIN	6955	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integrato	protein-coding
chr8-3050	9.905405	0.050251	0.740797	0.067834	0.945918	0.981636	chr8	30504233	30507800	+	0	NA	intron (N	intron (N	-120615	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr17-163	15.38238	-0.04121	0.609688	-0.06759	0.946109	0.981636	chr17	16381931	16383708	+	0	NA	TTS (NM_0	TTS (NM_0	1354	NM_001281	7314	Hs.356190	NM_018955	ENSG00000	UBB	HEL-S-50	ubiquitin	protein-coding
chr14-100	6.228701	-0.06274	0.929112	-0.06753	0.94616	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_0	TTS (NR_0	112	NR_003234	767566		NR_003234	ENSG00000	SNORD113-	14q(I-6)	small nuc	snoRNA
chr4-5735	6.228701	-0.06274	0.929112	-0.06753	0.94616	0.981636	chr4	5735491	5736140	+	0	NA	intron (N	intron (N	24614	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr9-9689	6.228701	-0.06274	0.929112	-0.06753	0.94616	0.981636	chr9	96897032	96897875	+	0	NA	Intergeni	Intergeni	-11622	NR_028350	441454	Hs.653264	NR_028350		PTMAP11	-	prothymos	pseudo
chr1-1938	7.65606	-0.05695	0.843975	-0.06748	0.946197	0.981636	chr1	19380112	19380591	+	0	NA	intron (N	intron (N	68025	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr12-534	7.65606	-0.05695	0.843975	-0.06748	0.946197	0.981636	chr12	53483048	53484278	+	0	NA	exon (NM_	exon (NM_	15795	NM_001193	7786	Hs.713539	NM_006301	ENSG00000	MAP3K12	DLK|MEKK1	mitogen-a	protein-coding
chr14-105	7.65606	-0.05695	0.843975	-0.06748	0.946197	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	-1018	NM_001242	2972	Hs.424484	NM_001519	ENSG00000	BRF1	BRF|BRF-1	BRF1 RNA	protein-coding
chr19-467	7.65606	-0.05695	0.843975	-0.06748	0.946197	0.981636	chr19	4676307	4676909	+	0	NA	non-codin	non-codin	-2674	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr8-1335	7.65606	-0.05695	0.843975	-0.06748	0.946197	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	MLT1H|LTR	47991	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr15-640	5.470785	0.067885	1.006109	0.067473	0.946205	0.981636	chr15	64083969	64084533	+	0	NA	intron (N	FLAM_C|SI	9587	NM_032231	84191	Hs.439548	NM_032231	ENSG00000	CIAO2A	CIA2A|FAM	cytosolic	protein-coding
chr1-1312	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr1	1312603	1315168	+	0	NA	exon (NM_	exon (NM_	-1319	NR_106785	1.02E+08		NR_106785	ENSG00000	MIR6727	hsa-mir-6	microRNA	ncRNA
chr1-2295	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	13362	NM_012089	23456	Hs.17614	NM_012089	ENSG00000	ABCB10	EST20237|	ATP bindi	protein-coding
chr11-563	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr11	5634689	5635884	+	0	NA	intron (N	AluYm1|SI	3031	NM_130390	53840	Hs.729048	NM_021616	ENSG00000	TRIM34	IFP1|RNF2	tripartit	protein-coding
chr11-118	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	AluJb|SIN	-7871	NR_033759	10632	Hs.486360	NM_006476	ENSG00000	ATP5MG	ATP5JG|AT	ATP synth	protein-coding
chr12-625	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr12	62558365	62561131	+	0	NA	intron (N	AluJr|SIN	43686	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr12-672	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr12	67294933	67295716	+	0	NA	intron (N	intron (N	25966	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr12-798	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr12	79817285	79818583	+	0	NA	intron (N	intron (N	95977	NM_001143	4659	Hs.49582	NM_002480	ENSG00000	PPP1R12A	M130|MBS|	protein p	protein-coding
chr13-198	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr13	19857472	19859870	+	0	NA	intron (N	HAL1|LINE	4965	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr14-690	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr14	69073133	69074378	+	0	NA	intron (N	intron (N	78844	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCR	DDB1 and	protein-coding
chr15-507	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr15	50733621	50736423	+	0	NA	intron (N	AluSp|SIN	30684	NM_032802	84888	Hs.401537	NM_032802	ENSG00000	SPPL2A	IMP3|PSL2	signal pe	protein-coding
chr15-655	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr15	65599137	65599780	+	0	NA	intron (N	intron (N	11673	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr15-670	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr15	67092023	67097406	+	0	NA	intron (N	intron (N	29112	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-160	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr16	16093812	16095603	+	0	NA	intron (N	AluY|SINE	128764	NM_001079	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr17-171	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr17	17154056	17160260	+	0	NA	intron (N	intron (N	49175	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-372	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr17	37242713	37245299	+	0	NA	promoter-	promoter-	-795	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr17-822	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr17	82233216	82234255	+	0	NA	intron (N	intron (N	-1164	NM_001206	9123	Hs.500761	NM_004207	ENSG00000	SLC16A3	MCT 3|MCT	solute ca	protein-coding
chr19-642	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr19	6421650	6422383	+	0	NA	intron (N	intron (N	2795	NM_001366	8570	Hs.727344	NM_003685	ENSG00000	KHSRP	FBP2|FUBP	KH-type s	protein-coding
chr19-162	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr19	16202243	16207776	+	0	NA	intron (N	AluY|SINE	7098	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAP	adaptor r	protein-coding
chr19-350	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr19	35016080	35018516	+	0	NA	intron (N	MSTA|LTR|	-13172	NM_001037	6324	Hs.436646	NM_001037	ENSG00000	SCN1B	ATFB13|BR	sodium vo	protein-coding
chr2-1281	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	80845	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr21-392	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr21	39253838	39258399	+	0	NA	intron (N	AluJr|SIN	57514	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr21-430	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr21	43008083	43008751	+	0	NA	intron (N	L1MD|LINE	33855	NM_004571	5316	Hs.431043	NM_004571	ENSG00000	PKNOX1	PREP1|pkc	PBX/knott	protein-coding
chr21-454	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr21	45499182	45499596	+	0	NA	intron (N	intron (N	21123	NR_106873	1.02E+08		NR_106873	ENSG00000	MIR6815	hsa-mir-6	microRNA	ncRNA
chr22-199	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr22	19963833	19965616	+	0	NA	TTS (NR_0	TTS (NR_0	971	NR_039918	1.01E+08		NR_039918	ENSG00000	MIR4761	-	microRNA	ncRNA
chr22-245	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr22	24561301	24562731	+	0	NA	intron (N	intron (N	6017	NM_004175	6634	Hs.356549	NM_004175	ENSG00000	SNRPD3	SMD3|Sm-D	small nuc	protein-coding
chr22-298	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr22	29800117	29800549	+	0	NA	intron (N	L2b|LINE|	32964	NM_013387	29796	Hs.284292	NM_013387	ENSG00000	UQCR10	HSPC051|H	ubiquinol	protein-coding
chr22-425	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr22	42589679	42590553	+	0	NA	intron (N	L1M4b|LIN	-8105	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo

chr22-467	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr22	46715734	46720521	+	0	NA	intron (N	intron (N	20125	NM_02276	64781	Hs.20066	NM_02276	ENSG0000	CERK	LK4|dA59	ceramide	protein-coding
chr3-1612	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	17993	NM_01593	51068	Hs.59883	NM_01593	ENSG0000	NMD3	CGI-07	NMD3 rib	protein-coding
chr5-7149	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr5	71494144	71498226	+	0	NA	intron (N	AluY|SINE	40534	NM_018429	55814	Hs.258272	NM_018429	ENSG0000	BDP1	DFNB112|	B double	protein-coding
chr5-7221	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr5	72219119	72221097	+	0	NA	3’ UTR (N	3’ UTR (N	40321	NM_001324	4131	Hs.335079	NM_005909	ENSG0000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-1484	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	Tigger1|D	50798	NM_030793	81545	Hs.483772	NM_030793	ENSG0000	FBXO38	Fbx38|HMN	F-box pr	protein-coding
chr5-1544	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	Charlie1	9524	NR_037897	386627	Hs.652021	NR_037897		SAP30L-A	GALNT10-A	SAP30L a	ncRNA
chr5-1769	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	51583	NM_01629	51720	Hs.232721	NM_01629	ENSG0000	UIMC1	RAP80|X2	ubiquiti	protein-coding
chr6-3653	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr6	36535310	36541071	+	0	NA	intron (N	AluY|SINE	9289	NM_007271	11329	Hs.40957	NM_007271	ENSG0000	STK38	NDR|NDR1	serine/t	protein-coding
chr6-898	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr6	89856504	89860023	+	0	NA	intron (N	AluSx1|SI	28363	NM_01211	9994	Hs.55821	NM_01211	ENSG0000	CASP8AP2	CED-4|FLA	caspase	protein-coding
chr6-149	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluYf1|SI	27382	NM_007044	11104	Hs.45017	NM_007044	ENSG0000	KATNA1	-	katanin	protein-coding
chr7-167	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr7	16704273	16707126	+	0	NA	intron (N	AluY|SINE	44485	NM_001362	28969	Hs.48763	NM_01403	ENSG0000	BZW2	HSPC028|	basic le	protein-coding
chr7-7297	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr7	72975673	72976823	+	0	NA	Intergeni	CpG	6566	NR_104007	1E+08	Hs.69500	NR_104007		LOC100101	-	FKBP prol	pseudo
chr7-9187	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr7	91874028	91874856	+	0	NA	exon (NM_	exon (NM_	6260	NM_001301	7978	Hs.53221	NM_00698	ENSG0000	MTERF1	MTERF	mitochon	protein-coding
chr8-706	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr8	70602089	70607416	+	0	NA	intron (N	intron (N	2917	NM_001317	23471	Hs.49198	NM_014294	ENSG0000	TRAM1	PNAS8|TRA	transloca	protein-coding
chr9-5023	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr9	5023026	5024690	+	0	NA	intron (N	L1MB4|LIN	-17835	NM_001322	3717	Hs.656213	NM_004972	ENSG0000	JAK2	JTK10|TH	Janus ki	protein-coding
chr9-3392	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chr9	33920191	33925635	+	0	NA	intron (N	intron (N	11451	NM_001282	55833	Hs.493739	NM_018449	ENSG0000	UBAP2	UBAP-2	ubiquiti	protein-coding
chrX-1674	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chrX	16749431	16750959	+	0	NA	intron (N	L3|LINE|	30583	NM_03279	94056	Hs.74425	NM_03279	ENSG0000	SYAP1	BSTA|PRO	synapse	protein-coding
chrX-4764	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chrX	47640121	47641314	+	0	NA	intron (N	intron (N	9887	NM_005229	2002	Hs.18112	NM_005229	ENSG0000	ELK1	-	ETS tran	protein-coding
chrX-4903	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chrX	49032950	49035174	+	0	NA	intron (N	intron (N	9295	NM_001282	7030	Hs.73074	NM_006521	ENSG0000	TFE3	RCCP2|RC	transcri	protein-coding
chrX-7427	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chrX	74279749	74281418	+	0	NA	intron (N	intron (N	6626	NR_03025	664614		NR_03025	ENSG0000	MIR545	MIRN545|	microRNA	ncRNA
chrX-103	7.161322	-0.05804	0.860718	-0.06743	0.946241	0.981636	chrX	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	2931	NM_01228	9643	Hs.326387	NM_01228	ENSG0000	MORF4L2	MORFL2|M	mortality	protein-coding
chr1-2202	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	non-codi	non-codi	122	NR_001587	6791	Hs.65484	NR_001587		AURKAP1	AURKAPS1|	aurora ki	pseudo
chr16-117	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr16	11734649	11736070	+	0	NA	intron (N	MER20B|D	7498	NM_001303	51061	Hs.313847	NM_015914	ENSG0000	TXNDC11	EFP1	thioredo	protein-coding
chr16-693	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr16	69356586	69357152	+	0	NA	3’ UTR (N	3’ UTR (N	-5083	NM_14467	146456	Hs.72911	NM_14467	ENSG0000	TMED6	PRO34237|	transmem	protein-coding
chr19-496	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr19	49661922	49663023	+	0	NA	exon (NM_	exon (NM_	-2670	NM_138639	83596	Hs.289052	NM_138639	ENSG0000	BCL2L12	-	BCL2 lik	protein-coding
chr20-582	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr20	58245359	58246103	+	0	NA	intron (N	intron (N	-17078	NM_001304	140731	Hs.266571	NM_080674	ENSG0000	ANKRD60	C20orf86|	ankyrin	protein-coding
chr5-530	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr5	53058084	53062141	+	0	NA	intron (N	intron (N	49645	NM_17680	4338	Hs.16364	NM_004531	ENSG0000	MOCS2	MCBPE|MO	molybden	protein-coding
chr5-1284	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	84388	NM_001999	2201	Hs.519294	NM_001999	ENSG0000	FBN2	CCA|DA9|	fibrilli	protein-coding
chr6-2597	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr6	25977972	25979294	+	0	NA	intron (N	AluJb|SIN	15831	NM_00635	10475	Hs.584851	NM_00635	ENSG0000	TRIM38	RNF15|RO	tripartit	protein-coding
chr8-125	8.427198	0.05399	0.801208	0.067386	0.946274	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	42860	NM_01484	9897	Hs.270043	NM_01484	ENSG0000	WASHC5	KIAA0196|	WASH com	protein-coding
chr16-287	8.476196	0.05426	0.805707	0.067345	0.946307	0.981636	chr16	28735212	28737078	+	0	NA	TTS (NM_	TTS (NM_	11893	NR_106922	1.02E+08		NR_106922	ENSG0000	MIR6862-1	hsa-mir-	microRNA	ncRNA
chr19-930	8.476196	0.05426	0.805707	0.067345	0.946307	0.981636	chr19	9303853	9304980	+	0	NA	intron (N	intron (N	5422	NM_19853	374879	Hs.633842	NM_19853	ENSG0000	ZNF699	hang	zinc fin	protein-coding
chr15-651	5.733963	-0.06488	0.964456	-0.06727	0.946366	0.981636	chr15	65113145	65114024	+	0	NA	Intergeni	AluSz6|SI	-7225	NM_001163	390595	Hs.65925	NM_001163	ENSG0000	UBAP1L	UBAP-1L	ubiquiti	protein-coding
chr19-103	5.733963	-0.06488	0.964456	-0.06727	0.946366	0.981636	chr19	10362008	10362495	+	0	NA	intron (N	intron (N	18321	NM_003331	7297	Hs.75516	NM_003331	ENSG0000	TYK2	IMD35|JT	tyrosine	protein-coding
chr2-3392	5.733963	-0.06488	0.964456	-0.06727	0.946366	0.981636	chr2	3392327	3393043	+	0	NA	intron (N	L1MA9|LIN	12991	NM_01603	51112	Hs.252713	NM_01603	ENSG0000	TRAPPC12	CGI-87|P	trafficki	protein-coding
chr2-857	5.733963	-0.06488	0.964456	-0.06727	0.946366	0.981636	chr2	85767882	85770287	+	0	NA	intron (N	intron (N	14593	NR_106719	1.02E+08		NR_106719	ENSG0000	MIR6071	hsa-mir-	microRNA	ncRNA
chr7-1031	5.733963	-0.06488	0.964456	-0.06727	0.946366	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	3’ UTR (N	3’ UTR (N	27949	NM_001161	83787	Hs.287412	NM_03190	ENSG0000	ARMC10	PNAS-112|	armadill	protein-coding
chr1-3127	6.948992	0.059365	0.883816	0.067169	0.946447	0.981636	chr1	31275238	31275770	+	0	NA	intron (N	AluSz6|SI	21284	NM_004814	9410	Hs.33962	NM_004814	ENSG0000	SNRNP40	40K|HPRP	small nu	protein-coding
chr1-1144	6.948992	0.059365	0.883816	0.067169	0.946447	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	L1MA7|LIN	90088	NM_03302	51592	Hs.26837	NM_01590	ENSG0000	TRIM33	ECTO|PTC7	tripartit	protein-coding
chr17-189	6.948992	0.059365	0.883816	0.067169	0.946447	0.981636	chr17	18908325	18908934	+	0	NA	intron (N	intron (N	-42047	NM_001282	125206	Hs.46241	NM_152351	ENSG0000	SLC5A10	SGLT-5|S	solute c	protein-coding
chr17-580	6.948992	0.059365	0.883816	0.067169	0.946447	0.981636	chr17	58091186	58091911	+	0	NA	3’ UTR (N	3’ UTR (N	8129	NM_080677	140735	Hs.72059	NM_080677	ENSG0000	DYNLL2	DNCL1B|D	dynein li	protein-coding
chr14-233	10.38443	0.048727	0.725915	0.067125	0.946482	0.981636	chr14	23323425	23325655	+	0	NA	3’ UTR (N	3’ UTR (N	2534	NM_00136	8106	Hs.707712	NM_004643	ENSG0000	PABPN1	OPMD|PAB	poly(A)	protein-coding
chr16-159	10.38443	0.048727	0.725915	0.067125	0.946482	0.981636	chr16	15980877	15982539	+	0	NA	intron (N	THE1C-int	32092	NM_00499	4363	Hs.391464	NM_00499	ENSG0000	ABCC1	ABC29|AB	ATP bindi	protein-coding
chr13-755	5.998805	0.063727	0.949569	0.067112	0.946493	0.981636	chr13	75575615	75576369	+	0	NA	intron (N	AluSx|SIN	26242	NM_006002	7347	Hs.162241	NM_006002	ENSG0000	UCHL3	UCH-L3	ubiquiti	protein-coding
chr2-2178	5.998805	0.063727	0.949569	0.067112	0.946493	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	exon (NM_	exon (NM_	9602	NR_106867	1.02E+08		NR_106867	ENSG0000	MIR6809	hsa-mir-	microRNA	ncRNA
chr3-1953	8.588681	-0.05416	0.808276	-0.06701	0.946573	0.981636	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	intron (N	-55688	NM_152531	152002	Hs.478741	NM_152531	ENSG0000	XXYLT1	C3orf21	xyloside	protein-coding
chr1-2261	8.955218	0.052218	0.780095	0.066938	0.946631	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	2451	NM_02273	64746	Hs.520207	NM_02273	ENSG0000	ACBD3	GCP60|GO	acyl-CoA	protein-coding
chr16-857	8.955218	0.052218	0.780095	0.066938	0.946631	0.981636	chr16	85787391	85788937	+	0	NA	intron (N	intron (N	-4251	NR_135193	1.02E+08	Hs.662217	NR_135193	ENSG0000	LOC10192	-	uncharact	ncRNA
chr6-7347	8.955218	0.052218	0.780095	0.066938	0.946631	0.981636	chr6	73470144	73472081	+	0	NA	intron (N	L1ME4b|LI	9375	NM_001123	25821	Hs.347614	NM_012123	ENSG0000	MTO1	CGI-02|C	mitochon	protein-coding
chr8-2384	8.955218	0.052218	0.780095	0.066938	0.946631	0.981636	chr8	23848143	23852192	+	0	NA	intron (N	intron (N	4639	NM_00315	6781	Hs.25590	NM_00315	ENSG0000	STC1	STC	stannioc	protein-coding
chr1-2688	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr1	26880660	26887856	+	0	NA	exon (NM_	exon (NM_	6025	NM_01806	54707	Hs.14333	NM_01806	ENSG0000	GPN2	ATPBD1B	GPN-loop	protein-coding
chr12-562	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr12	56204818	56217489	+	0	NA	intron (N	AluSg|SIN	10548	NM_001242	10193	Hs.524502	NM_00578	ENSG0000	RNF41	FLRF|NRD	ring fin	protein-coding
chr13-209	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr13	20978585	20984109	+	0	NA	intron (N	intron (N	-31919	NR_10405	1.02E+08	Hs.63763	NR_10405	ENSG0000	LINC00367	-	long int	ncRNA
chr16-163	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr16	16331463	16331847	+	0	NA	non-codi	non-codi	2350	NR_10682	1.02E+08		NR_10682	ENSG0000	MIR6770-1	hsa-mir-	microRNA	ncRNA
chr17-365	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr17	36567567	36571342	+	0	NA	intron (N	intron (N	-22425	NM_02430	79154	Hs.46285	NM_02430	ENSG0000	DHRS11	ARPG836|	dehydrog	protein-coding
chr17-425	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr17	42568722	42573651	+	0	NA	intron (N	AluSx|SIN	4126	NM_198204	6945	Hs.38301	NM_170607	ENSG0000	MLX	MAD7|MXD7	MAX dime	protein-coding
chr19-40	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr19	40618945	40621988	+	0	NA	intron (N	(TAATTTT)	19097	NM_001042	8425	Hs.46676	NM_003573	ENSG0000	LTBP4	ARCL1C|L	latent t	protein-coding
chr19-534	10.91245	0.047497	0.709691	0.066927	0.94664	0.981636	chr19	53439134	53456678	+	0	NA	intron (N	intron (N	1679	NM_001289	388561	Hs.433293	NM_001008	ENSG0000	ZNF761	ZNF468	zinc fin	protein-coding
chr1-2534	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	25345033	25349654	+	0	NA	intron (N	AluSx1|SI	9009	NM_014313	23585	Hs.705699	NM_014313	ENSG0000	TMEM50A	IFNRC|SM	transmem	protein-coding
chr1-2534	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	25349661	25350974	+	0	NA	intron (N	intron (N	11983	NM_014313	23585	Hs.705699	NM_014313	ENSG0000	TMEM50A	IFNRC|SM	transmem	protein-coding
chr1-2875	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	28757877	28760125	+	0	NA	intron (N	intron (N	22061	NM_001172	51441	Hs.53228	NM_01625	ENSG0000	YTHDF2	CAHL|HGR	YTH N6-m	protein-coding
chr1-1114	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	5334	NM_024102	79084	Hs.204773	NM_024102	ENSG0000	WDR77	HKMT1069|	WD repeat	protein-coding
chr1-112	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	MLT1B|LT	12195	NM_138727	54879	Hs.201921	NM_017744	ENSG0000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr1-246	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	55210	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long int	ncRNA
chr10-272	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	27204374	27205261	+	0	NA	intron (N	intron (N	35669	NM_001301	91452	Hs.530597	NM_14569	ENSG0000	ACBD5	-	acyl-CoA	protein-coding
chr10-723	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	72335217	72336127	+	0	NA	non-codi	non-codi	19247	NM_001002	54788	Hs.500013	NM_01762	ENSG0000	DNAJB12	DJ10	DnaJ heat	protein-coding
chr10-741	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	74125096	74129620	+	0	NA	intron (N	intron (N	23470	NM_00132	26985	Hs.500104	NM_01209	ENSG0000	AP3M1	-	adaptor	protein-coding
chr10-872	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	87264582	87266281	+	0	NA	intron (N	THE1B-int	39983	NM_001099	728118	Hs.71056	NM_001099	ENSG0000	NUTM2A	FAM22A	NUT famil	protein-coding
chr10-10	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-18748	NR_144759	10613	Hs.150087	NM_006459	ENSG0000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr10-102	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	50625	NM_024541	79591	Hs.16004	NM_024541	ENSG0000	ARMH3	C10orf76	armadill	protein-coding
chr11-281	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr11	28164463	28165829	+	0	NA	intron (N	L1MA7|LIN	56758	NM_15263	196074	Hs.24332	NM_15263	ENSG0000	METTL15	METT5D1	methyltr	protein-coding
chr11-344	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr11	34441171	34442728	+	0	NA	intron (N	L1ME2z|LI	3015	NM_001752	847	Hs.502302	NM_001752	ENSG0000	CAT	-	catalase	protein-coding
chr11-832	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr11	83275427	83279099	+	0	NA	intron (N	intron (N	9144	NM_00128	60492	Hs.36886	NM_02182	ENSG0000	CCDC90B	MDS011|M	coiled-c	protein-coding
chr11-114	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	Intergeni	Tigger2a|	12055	NM_015523	25996	Hs.67719	NM_015523	ENSG0000	REXO2	CGI-114|	RNA exon	protein-coding
chr13-282	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr13	28280605	28281559	+	0	NA	intron (N	intron (N	-141908	NR_029383	1E+08	Hs.123191	NR_029383		PAN3-AS1	-	PAN3 anti	ncRNA
chr14-391	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr14	39148208	39151341	+	0	NA	3’ UTR (N	3’ UTR (N	20559	NM_001079	122553	Hs.13303	NM_177452	ENSG0000	TRAPPC6B	NEDMEBA|	trafficki	protein-coding
chr14-734	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr14	73400458	73400748	+	0	NA	intron (N	MER21B|L	57977	NM_00100	8650	Hs.525443	NM_003744	ENSG0000	NUMB	C14orf41|	NUMB end	protein-coding
chr14-751	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr14	75116330	75118773	+	0	NA	intron (N	intron (N	9497	NM_001329	91754	Hs.7200	NM_03311	ENSG0000	NEK9	APUG|LCC	NIMA rel	protein-coding
chr14-10	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-82	NR_003201	767585		NR_003201	ENSG0000	SNORD114-	14q(II-9)	small nuc	snoRNA
chr15-228	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr15	22857296	22861370	+	0	NA	intron (N	AluY|SINE	20692	NM_00100	81614	Hs.59100	NM_030922	ENSG0000	NIPA2	SLC57A2	NIPA mag	protein-coding
chr15-830	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr15	83004863	83009612	+	0	NA	TTS (NM_	TTS (NM_	4402	NR_027649	123207	Hs.352541	NM_144597	ENSG0000	C15orf40	-	chromoso	protein-coding
chr15-904	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr15	90446487	90450718	+	0	NA	exon (NM_	exon (NM_	60360	NM_00387	8826	Hs.430551	NM_00387	ENSG0000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr16-118	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr16	11881218	11882865	+	0	NA	intron (N	AluSg|SIN	-30499	NM_015659	26156	Hs.401842	NM_015659	ENSG0000	RSL1D1	CSIG|L12|	ribosomal	protein-coding
chr17-10	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr17	10689006	10692107	+	0	NA	intron (N	L1MA5|LIN	6977	NM_004589	6341	Hs.14511	NM_004589	ENSG0000	SCO1	SCOD1	SCO cyto	protein-coding
chr17-121	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr17	12112046	12113500	+	0	NA	intron (N	intron (N	30874	NR_030613	1E+08		NR_030613	ENSG0000	MIR744	MIRN744|	microRNA	ncRNA
chr17-767	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr17	76756362	76758149	+	0	NA	intron (N	intron (N	19754	NM_024311	79157	Hs.73965	NM_024311	ENSG0000	MFSD11	ET	major fac	protein-coding
chr17-830	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr17	83040353	83043209	+	0	NA	intron (N	Tigger5b|	9989	NR_13546	146712	Hs.607824	NM_00100	ENSG0000	B3GNTL1	3-Gn-T8|	UDP-GlcN	protein-coding
chr18-291	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr18	2915619	2916935	+	0	NA	TTS (NM_	TTS (NM_	30346	NR_026659	727896	Hs.67312	NR_026659		LOC72789	-	cysteine	pseudo
chr18-123	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr18	12365222	12367349	+	0	NA	intron (N	MER104|D	10991	NM_00679	10939	Hs.72635	NM_00679	ENSG0000	AFG3L2	SCA28|SP	AFG3 lik	protein-coding
chr18-241	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr18	24119735	24120454	+	0	NA	intron (N	intron (N	6767	NM_001292	125488	Hs.12857	NM_153211	ENSG0000	TTC39C	C18orf17|	tetratri	protein-coding
chr19-244	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr19	2441229	2443618	+	0	NA	intron (N	AluSz6|SI	-7423	NR_10695	1.02E+08		NR_10695	ENSG0000	MIR7108	hsa-mir-7	microRNA	ncRNA
chr19-47	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr19	47076052	47078608	+	0	NA	intron (N	AluSq2|SI	-28706	NM_017854	54958	Hs.10560	NM_017854	ENSG0000	TMEM160	-	transmem	protein-coding
chr2-7139	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr2	71396694	71402893	+	0	NA	intron (N	L1PA13|LI	-53768	NM_00113	8291	Hs.25218	NM_003494	ENSG0000	DYSF	FER1L1|L	dysferli	protein-coding
chr2-204	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr2	2.05E+08	2.05E+08	+	0	NA	intron (N	L1PA6|LIN	12994	NM_001302	117583	Hs.657382	NM_057177	ENSG0000	PARD3B	ALS2CR19|	par-3 fa	protein-coding
chr20-472	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr20	47293707	47296008	+	0	NA	intron (N	intron (N	-23645	NR_024594	1E+08	Hs.662547	NR_024594	ENSG0000	LOC100131	-	uncharact	ncRNA
chr22-194	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr22	19434457	19435727	+	0	NA	intron (N	intron (N	2153	NM_00131	64976	Hs.431307	NM_00377	ENSG0000	MRPL40	L40mt|MR	mitochon	protein-coding
chr22-324	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr22	32487528	32489371	+	0	NA	intron (N	intron (N	13212	NM_001033	25793	Hs.5912	NM_012179	ENSG0000	FBXO7	FBX|FBXO7	F-box pr	protein-coding
chr3-965	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr3	9655161	9656562	+	0	NA	intron (N	intron (N	6356	NM_02248	64419	Hs.475382	NM_02248	ENSG0000	MTMR14	C3orf29	myotubul	protein-coding
chr3-1542	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr3	15421517	15424039	+	0	NA	intron (N	L1MC4|LIN	4766	NM_00133	131965	Hs.149487	NM_15239	ENSG0000	METTL6	-	methyltr	protein-coding
chr3-566	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr3	56605464	56607371	+	0	NA	intron (N	L1PA7|LIN	49242	NM_001141	285331	Hs.476399	NM_001012	ENSG0000	CCDC66	-	coiled-c	protein-coding
chr3-136	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr3	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSx|SIN	6863	NM_006153	4690	Hs.126889	NM_006153	ENSG0000	NCK1	NCK|NCKa	NCK adapt	protein-coding
chr4-845	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr4	8450200	8453030	+	0	NA	intron (N	intron (N	10818	NM_00135	152992	Hs.566191	NM_02495	ENSG0000	TRMT44	C4orf23|	tRNA met	protein-coding
chr4-6761	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr4	67614854	67616826	+	0	NA	3’ UTR (N	3’ UTR (N	57113	NM_001317	26228	Hs.435579	NM_01210	ENSG0000	STAP1	BRDG1|ST	signal t	protein-coding
chr4-7133	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr4	71339476	71340107	+	0	NA	intron (N	intron (N	738	NM_003759	8671	Hs.5462	NM_003759	ENSG0000	SLC4A4	HNBC1|KN	solute c	protein-coding
chr4-1223	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz|SIN	-26463	NM_139243	132612	Hs.518957	NM_139243	ENSG0000	ADAD1	Tenr	adenosin	protein-coding
chr4-183	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSc|SIN	18916	NM_021942	60684	Hs.44324	NM_021942	ENSG0000	TRAPPC11	C4orf41|	trafficki	protein-coding
chr5-657	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr5	65788559	65789570	+	0	NA	intron (N	AluJr4|SI	66859	NM_02072	57486	Hs.24746	NM_02072	ENSG0000	NLN	AGTBP|EP	neurolysi	protein-coding
chr5-7747	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr5	77478451	77480378	+	0	NA	intron (N	L1PA3|LIN	12902	NM_01826	55255	Hs.482573	NM_01826	ENSG0000	WDR41	MSTP048	WD repeat	protein-coding
chr5-1577	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	44322	NM_173491	134353	Hs.23648	NM_173491	ENSG0000	LSM11	-	LSM11, U7	protein-coding
chr6-1249	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	L2c|LINE|	-9034	NR_02687	7955	Hs.54443	NR_02687	ENSG0000	RNF217-A	STL	RNF217 a	ncRNA
chr7-1333	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	30224	NR_106749	1.02E+08		NR_106749	ENSG0000	MIR6133	hsa-mir-	microRNA	ncRNA
chr7-1393	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	MER2|DNA|	28261	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr8-1197	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-58858	NM_00133	5168	Hs.190977	NM_006209	ENSG0000	ENPP2	ATX|ATX-	ectonucl	protein-coding
chrX-1371	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chrX	13718088	13719067	+	0	NA	intron (N	intron (N	16043	NM_001011	6399	Hs.59223	NM_014563	ENSG0000	TRAPPC2	MIP2A|SE	trafficki	protein-coding
chrX-7129	6.666584	-0.05949	0.889926	-0.06685	0.946702	0.981636	chrX	71298091	71300349	+	0	NA	intron (N	AluSx|SIN	-2530	NM_01227	26548	Hs.109999	NM_01227	ENSG0000	ITGB1BP2	CHORDC3|	integrin	protein-coding
chr1-144	7.477011	0.056813	0.850372	0.066809	0.946734	0.981636	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-94460	NR_144349	554282		NM_001287	ENSG0000	FAM72C	-	family wi	protein-coding
chr12-10	7.477011	0.056813	0.850372	0.066809	0.946734	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	31534	NM_00133	55681	Hs.506481	NM_01798	ENSG0000	SCYL2	CVAK104	SCY1 lik	protein-coding
chr3-5262	7.477011	0.056813	0.850372	0.066809	0.946734	0.981636	chr3	52627639	52628751	+	0	NA	intron (N	intron (N	57404	NM_00135	55193	Hs.18992	NM_01816	ENSG0000	PBRM1	BAF180|P	polybrom	protein-coding
chr7-1487	7.477011	0.056813	0.850372	0.066809	0.946734	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	L1ME3A|LI	83646	NM_001203	2146	Hs.444082	NM_004456	ENSG0000	EZH2	ENX-1|EN	enhancer	protein-coding
chr13-758	7.112324	-0.05871	0.879922	-0.06673	0.946801	0.981636	chr13	75826412	75826805	+	0	NA	intron (N	MIR|SINE|	-44430	NM_001257	729420	Hs.58682	NM_001257995		LMO7DN	C13orf45	LMO7 dow	protein-coding
chr1-395	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr1	39560192	39572754	+	0	NA	TTS (NR_	TTS (NR_	1037	NR_002983	677834	Hs.67666	NR_002983	ENSG0000	SNORA55	ACA55	small nuc	snoRNA
chr1-2017	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluY|SINE	-23836	NR_031599	1E+08		NR_031599	ENSG0000	MIR1231	MIRN1231|	microRNA	ncRNA
chr1-2259	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	3’ UTR (N	3’ UTR (N	15264	NM_152608	163859	Hs.520192	NM_152608	ENSG0000	SDE2	C1orf55|	SDE2 tel	protein-coding

chr16-295	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr16	29559662	29561670	+	0	NA	intron (N	intron (N	34426	NR_135305	440354	Hs.552700	NR_002473		SMG1P2	-	SMG1 pseu	pseudo
chr3-4712	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr3	47122869	47124351	+	0	NA	exon (NM_	exon (NM_	40367	NM_014159	29072	Hs.517941	NM_012271	ENSG00000	SETD2	HBP231|HI	SET domai	protein-coding
chr3-1976	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	MER4-int|	11246	NR_003266	220729	Hs.478854	NR_003266	ENSG00000	LOC220729	-	succinate	pseudo
chr8-1448	11.39147	0.046209	0.694555	0.06653	0.946956	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	L1ME3D|LI	16065	NM_001363	58500	Hs.532277	NM_021061	ENSG00000	ZNF250	ZFP647|ZN	zinc fing	protein-coding
chr1-1592	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr1	15928065	15930571	+	0	NA	exon (NM_	exon (NM_	46814	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-6656	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr1	66566343	66567617	+	0	NA	intron (N	L1PA8|LIN	32827	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr10-730	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr10	73013189	73016940	+	0	NA	intron (N	AluSz|SIN	-60258	NM_032562	84647	Hs.333175	NM_032562	ENSG00000	PLA2G12B	FKSG71|GX	phospholi	protein-coding
chr12-510	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr12	51052473	51052713	+	0	NA	intron (N	AluSg|SIN	4266	NR_045020	25875	Hs.655272	NM_015416	ENSG00000	LETMD1	111001901	LETM1 dom	protein-coding
chr15-636	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr15	63625374	63625631	+	0	NA	intron (N	AluSz|SIN	-24675	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr3-1499	8.90622	0.052028	0.782189	0.066516	0.946967	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	3928	NM_002628	5217	Hs.91747	NM_002628	ENSG00000	PFN2	D3S1319E|	profilin	protein-coding
chr1-2741	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr1	27410813	27416007	+	0	NA	intron (N	intron (N	20788	NM_005281	2827	Hs.66542	NM_005281	ENSG00000	GPR3	ACCA	G protein	protein-coding
chr11-613	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr11	61394902	61395366	+	0	NA	intron (N	AluJr|SIN	2547	NM_001173	51259	Hs.26745	NM_016499	ENSG00000	TMEM216	HSPC244	transmemb	protein-coding
chr12-686	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr12	68649919	68660765	+	0	NA	intron (N	intron (N	-27967	NR_033335	1E+08	Hs.724530	NR_033335	ENSG00000	SNORA70G	U70G	small nuc	snoRNA
chr12-112	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	MIR1_Amn|	19637	NM_001032	4939	Hs.414332	NM_002535	ENSG00000	OAS2	-	2’-5’-oli	protein-coding
chr14-884	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr14	88478479	88480336	+	0	NA	exon (NM_	exon (NM_	75600	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTP	protein t	protein-coding
chr16-585	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr16	58569367	58578780	+	0	NA	intron (N	AluJo|SIN	-14142	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNO	small nuc	snoRNA
chr17-672	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr17	67217573	67218606	+	0	NA	intron (N	AluSg|SIN	-26687	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr18-542	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr18	54287374	54290627	+	0	NA	intron (N	L1M4a1|LI	19426	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr18-633	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr18	63392112	63404188	+	0	NA	intron (N	(TA)n|Sim	24326	NM_004869	9525	Hs.126550	NM_004869	ENSG00000	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr19-114	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr19	1142737	1144715	+	0	NA	intron (N	MLT1C|LTR	-11505	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr2-3251	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr2	32515168	32520604	+	0	NA	intron (N	intron (N	-14267	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-4629	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr2	46297964	46299493	+	0	NA	intron (N	CpG	1321	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-7324	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr2	73243061	73246430	+	0	NA	intron (N	intron (N	10437	NM_006429	10574	Hs.368149	NM_006429	ENSG00000	CCT7	CCTETA|CC	chaperoni	protein-coding
chr2-1021	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	L2c|LINE|	-13800	NM_001351	8808	Hs.659863	NM_003854	ENSG00000	IL1RL2	IL-1Rrp2|	interleuk	protein-coding
chr2-1974	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12176	NR_132788	1.07E+08		NR_132788		SNORA105B	-	small nuc	snoRNA
chr20-340	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr20	34087663	34090024	+	0	NA	3’ UTR (N	3’ UTR (N	23400	NM_001316	8894	Hs.429180	NM_003908	ENSG00000	EIF2S2	EIF2|EIF2	eukaryoti	protein-coding
chr4-1684	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	L1ME2z|LI	12824	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr6-3590	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr6	35909143	35911281	+	0	NA	intron (N	AluSp|SIN	10886	NM_003137	6732	Hs.443861	NM_003137	ENSG00000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr8-6704	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr8	67047599	67052975	+	0	NA	intron (N	AluYe6|SI	11846	NM_006837	10987	Hs.491912	NM_006837	ENSG00000	COPS5	CSN5|JAB1	COP9 sign	protein-coding
chr9-5756	9.43424	0.050415	0.758308	0.066484	0.946992	0.981636	chr9	5756183	5758142	+	0	NA	intron (N	intron (N	75955	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr13-728	5.684965	-0.06524	0.98579	-0.06618	0.947231	0.981636	chr13	72843470	72844245	+	0	NA	intron (N	intron (N	61724	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr2-3406	5.684965	-0.06524	0.98579	-0.06618	0.947231	0.981636	chr2	3406328	3406527	+	0	NA	intron (N	intron (N	26733	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr14-888	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr14	88872039	88872588	+	0	NA	intron (N	intron (N	47662	NM_001366	123016	Hs.303055	NM_144596	ENSG00000	TTC8	BBS8|RP51	tetratric	protein-coding
chr2-1179	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr2	11791124	11793357	+	0	NA	intron (N	MIR3|SINE	24796	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr20-526	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr20	526281	528471	+	0	NA	intron (N	intron (N	16414	NM_001362	1457	Hs.644056	NM_001895	ENSG00000	CSNK2A1	CK2A1|CKI	casein ki	protein-coding
chr3-1581	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr3	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	13643	NM_001271	51319	Hs.591283	NM_016625	ENSG00000	RSRC1	BM-011|MF	arginine	protein-coding
chr3-1841	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	7595	NM_003907	8893	Hs.283551	NM_003907	ENSG00000	EIF2B5	CACH|CLE|	eukaryoti	protein-coding
chr5-1720	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	L1MC|LINE	-68930	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTR	F-box and	protein-coding
chr6-1703	7.956034	0.054385	0.821907	0.06617	0.947243	0.981636	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	3736	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr1-1124	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr1	11245818	11246736	+	0	NA	intron (N	intron (N	16274	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAP	mechanist	protein-coding
chr1-2051	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	L2b|LINE|	10172	NM_001193	5929	Hs.519230	NM_005057	ENSG00000	RBBP5	RBQ3|SWD1	RB bindin	protein-coding
chr11-609	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr11	60920207	60921937	+	0	NA	intron (N	intron (N	-3388	NM_178031	54972	Hs.118552	NM_017870	ENSG00000	TMEM132A	GBP|HSPA5	transmemb	protein-coding
chr13-396	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr13	39680527	39681157	+	0	NA	intron (N	MLT1E2|LT	-16707	NR_036190	1E+08		NR_036190	ENSG00000	MIR4305	-	microRNA	ncRNA
chr13-770	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr13	77065332	77067847	+	0	NA	intron (N	L1MC5|LIN	-8925	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr15-425	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr15	42545288	42546118	+	0	NA	intron (N	intron (N	3090	NM_153260	255252	Hs.234681	NM_153260	ENSG00000	LRRC57	-	leucine r	protein-coding
chr2-2574	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr2	25748662	25749334	+	0	NA	intron (N	intron (N	45693	NM_001369	55252	Hs.119815	NM_018263	ENSG00000	ASXL2	ASXH2|SHA	ASXL tran	protein-coding
chr5-1542	6.477827	0.060183	0.909622	0.066163	0.947248	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	64629	NM_198321	55568	Hs.631797	NM_017540	ENSG00000	GALNT10	GALNACT10	polypepti	protein-coding
chr5-1500	11.87049	0.045023	0.681417	0.066072	0.94732	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MEc|LIN	12613	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr2-2012	7.428014	0.056674	0.858107	0.066046	0.947341	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	24570	NM_033356	841	Hs.599762	NM_001228	ENSG00000	CASP8	ALPS2B|CA	caspase 8	protein-coding
chr9-1213	7.428014	0.056674	0.858107	0.066046	0.947341	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	8216	NM_198194	2040	Hs.253903	NM_004099	ENSG00000	STOM	BND7|EPB7	stomatin	protein-coding
chr1-1742	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr1	17426819	17428997	+	0	NA	intron (N	intron (N	10628	NM_001136	55920	Hs.380857	NM_018715	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-1127	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	MIR1_Amn|	4681	NM_001042	389	Hs.502659	NM_175744	ENSG00000	RHOC	ARH9|ARHC	ras homol	protein-coding
chr1-1201	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21333	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr1-2431	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	L1M5|LINE	-37189	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr11-596	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr11	59646015	59659812	+	0	NA	exon (NM_	exon (NM_	16124	NM_152716	219988	Hs.591960	NM_152716	ENSG00000	PATL1	Pat1b|hPa	PAT1 homo	protein-coding
chr11-120	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr11	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	62746	NM_001301	23365	Hs.24598	NM_015313	ENSG00000	ARHGEF12	LARG|PRO2	Rho guani	protein-coding
chr12-530	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr12	53016492	53041253	+	0	NA	intron (N	AluSz|SIN	-18154	NM_198316	23371	Hs.6147	NM_015319	ENSG00000	TNS2	C1-TEN|C1	tensin 2	protein-coding
chr12-717	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr12	71756812	71763380	+	0	NA	intron (N	L3b|LINE|	5233	NM_014999	23011	Hs.524590	NM_014999	ENSG00000	RAB21	-	RAB21, me	protein-coding
chr13-200	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr13	20002925	20005989	+	0	NA	intron (N	AluY|SINE	44643	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr14-731	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr14	73106699	73116346	+	0	NA	intron (N	intron (N	-24985	NM_000021	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr15-588	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr15	58880099	58892865	+	0	NA	intron (N	AluSx1|SI	47197	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr15-636	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr15	63620934	63623884	+	0	NA	intron (N	AluSx|SIN	-21582	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-749	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr15	74902355	74903397	+	0	NA	TTS (NM_0	TTS (NM_0	3975	NR_135843	57184	Hs.367690	NM_020447	ENSG00000	FAM219B	C15orf17	family wi	protein-coding
chr15-785	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr15	78542390	78550107	+	0	NA	intron (N	AluJo|SIN	5562	NM_001330	5685	Hs.251531	NM_002789	ENSG00000	PSMA4	HC9|HsT17	proteasom	protein-coding
chr16-223	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr16	22345693	22353128	+	0	NA	exon (NM_	exon (NM_	25209	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr17-296	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr17	29630960	29631627	+	0	NA	exon (NM_	exon (NM_	-9870	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr17-356	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr17	35650393	35651203	+	0	NA	intron (N	intron (N	63476	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-619	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr17	61945573	61956001	+	0	NA	intron (N	intron (N	-22805	NM_001330	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr17-731	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr17	73196430	73209686	+	0	NA	exon (NM_	exon (NM_	10003	NM_018714	9382	Hs.103555	NM_018714	ENSG00000	COG1	CDG2G|LDL	component	protein-coding
chr19-400	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr19	40007875	40010368	+	0	NA	intron (N	L2a|LINE|	12061	NM_178544	339327	Hs.125008	NM_178544	ENSG00000	ZNF546	ZNF49	zinc fing	protein-coding
chr19-531	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr19	53140644	53151880	+	0	NA	intron (N	AluSp|SIN	12791	NM_032584	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr2-1560	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr2	15601043	15605221	+	0	NA	intron (N	intron (N	11264	NM_004939	1653	Hs.440599	NM_004939	ENSG00000	DDX1	DBP-RB|UK	DEAD-box	protein-coding
chr2-2736	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr2	27364756	27368371	+	0	NA	intron (N	AluJo|SIN	3489	NM_172195	8890	Hs.169474	NM_015636	ENSG00000	EIF2B4	EIF-2B|EI	eukaryoti	protein-coding
chr2-2912	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr2	29124158	29125665	+	0	NA	intron (N	L1MEc|LIN	9496	NM_001287	79745	Hs.122927	NM_024692	ENSG00000	CLIP4	RSNL2	CAP-Gly d	protein-coding
chr2-3314	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr2	33147507	33149001	+	0	NA	intron (N	intron (N	13657	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-1495	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-16863	NR_110240	1.02E+08	Hs.5324	NR_110240	ENSG00000	LOC101929	-	uncharact	ncRNA
chr20-510	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr20	5104255	5107328	+	0	NA	intron (N	AluJb|SIN	7285	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr3-1702	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJr|SIN	14385	NM_002740	5584	Hs.478199	NM_002740	ENSG00000	PRKCI	DXS1179E|	protein k	protein-coding
chr4-6724	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr4	67245	69364	+	0	NA	intron (N	intron (N	14983	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr5-7673	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr5	76732312	76734433	+	0	NA	exon (NM_	exon (NM_	17246	NM_001992	2149	Hs.482562	NM_001992	ENSG00000	F2R	CF2R|HTR|	coagulati	protein-coding
chr5-1495	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	3706	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr6-1122	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	3861	NM_002290	3910	Hs.654572	NM_002290	ENSG00000	LAMA4	CMD1JJ|LA	laminin s	protein-coding
chr6-1522	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-37074	NM_001347	23345	Hs.12967	NM_015293	ENSG00000	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr6-1585	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-23578	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr7-7550	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr7	75508720	75517452	+	0	NA	intron (N	HY3|scRNA	15037	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr8-2313	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr8	23135516	23149804	+	0	NA	intron (N	L1PA16|LI	21367	NM_003840	8793	Hs.213467	NM_003840	ENSG00000	TNFRSF10D	CD264|DCR	TNF recep	protein-coding
chr9-5764	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr9	5764926	5771016	+	0	NA	intron (N	MIR|SINE|	65146	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-1132	9.913263	0.048803	0.739655	0.06598	0.947394	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	MLT1D|LTR	4141	NM_139286	246184	Hs.727648	NM_139286	ENSG00000	CDC26	ANAPC12|A	cell divi	protein-coding
chr2-1018	4.752344	-0.07208	1.093893	-0.06589	0.947464	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-131666	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr20-637	8.14294	-0.05436	0.826273	-0.06579	0.947543	0.981636	chr20	63704804	63706258	+	0	NA	intron (N	intron (N	-1911	NM_001083	84619	Hs.590868	NM_032527	ENSG00000	ZGPAT	GPATC6|GP	zinc fing	protein-coding
chr1-1226	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr1	1226711	1228673	+	0	NA	intron (N	intron (N	4309	NM_016176	51150	Hs.42806	NM_016176	ENSG00000	SDF4	Cab45|SDF	stromal c	protein-coding
chr1-6638	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr1	6638974	6640601	+	0	NA	intron (N	MIR|SINE|	14637	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-1126	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	3523	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr12-908	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr12	9082845	9086144	+	0	NA	intron (N	L1MA7|LIN	19317	NR_137424	144571	Hs.592432	NR_026971	ENSG00000	A2M-AS1	-	A2M antis	ncRNA
chr12-115	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	183076	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr13-113	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2958	NM_138430	113622	Hs.98669	NM_138430	ENSG00000	ADPRHL1	ARH2	ADP-ribos	protein-coding
chr14-594	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr14	59460209	59461138	+	0	NA	TTS (NM_0	TTS (NM_0	4707	NM_022571	64582	Hs.647573	NM_022571	ENSG00000	GPR135	HUMNPIIY2	G protein	protein-coding
chr17-161	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr17	16147826	16148642	+	0	NA	intron (N	intron (N	4962	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-184	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr19	18470391	18472544	+	0	NA	intron (N	AluSx1|SI	-33334	NR_045574	51477	Hs.405873	NM_016368	ENSG00000	ISYNA1	INO1|INOS	inositol-	protein-coding
chr19-470	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr19	47086391	47086930	+	0	NA	intron (N	(CCT)n|Si	27116	NM_015168	23211	Hs.104661	NM_015168	ENSG00000	ZC3H4	C19orf7	zinc fing	protein-coding
chr2-2369	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr2	23695713	23696141	+	0	NA	intron (N	intron (N	231196	NM_017552	54454	Hs.467862	NM_017552	ENSG00000	ATAD2B	-	ATPase fa	protein-coding
chr2-2915	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr2	29152828	29154109	+	0	NA	intron (N	intron (N	38053	NM_001287	79745	Hs.122927	NM_024692	ENSG00000	CLIP4	RSNL2	CAP-Gly d	protein-coding
chr2-2005	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	6777	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr4-7673	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr4	76739919	76741786	+	0	NA	exon (NM_	exon (NM_	157292	NM_001029	345079	Hs.257292	NM_001029	ENSG00000	SOWAHB	ANKRD56	sosondowa	protein-coding
chr5-1472	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr5	1472345	1475599	+	0	NA	exon (NM_	exon (NM_	-28532	NM_001044	6531	Hs.406	NM_001044	ENSG00000	SLC6A3	DAT|DAT1|	solute ca	protein-coding
chr7-4738	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr7	47389540	47392982	+	0	NA	intron (N	intron (N	73542	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-1335	7.648202	-0.05504	0.838032	-0.06568	0.947631	0.981636	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	MER21A|LT	34967	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr17-460	9.385243	0.050262	0.765989	0.065617	0.947683	0.981636	chr17	46065516	46066966	+	0	NA	intron (N	intron (N	66991	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr11-655	6.715581	-0.05891	0.897804	-0.06561	0.947685	0.981636	chr11	65590174	65591363	+	0	NA	intron (N	AluSx|SIN	5228	NM_033348	10089	Hs.175218	NM_005714	ENSG00000	KCNK7	K2p7.1|TW	potassium	protein-coding
chr1-6813	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr1	68135122	68137184	+	0	NA	intron (N	intron (N	47457	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr10-336	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr10	336854	338380	+	0	NA	intron (N	intron (N	157623	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-100	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MB3|LIN	14261	NM_001136	55719	Hs.447458	NM_018121	ENSG00000	SLF2	C10orf6|F	SMC5-SMC6	protein-coding
chr11-122	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	L1PA4|LIN	46735	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr17-397	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr17	39706707	39707437	+	0	NA	exon (NM_	exon (NM_	7094	NR_110535	2064	Hs.446352	NM_004448	ENSG00000	ERBB2	CD340|HER	erb-b2 re	protein-coding
chr3-1722	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	188019	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr5-1282	6.220843	-0.06057	0.923621	-0.06558	0.947709	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	197898	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr18-107	6.420972	0.063144	0.963192	0.065557	0.94773	0.981636	chr18	10770105	10770304	+	0	NA	exon (NM_	exon (NM_	-10555	NR_106846	1.02E+08		NR_106846	ENSG00000	MIR6788	hsa-mir-6	microRNA	ncRNA
chr15-446	5.239224	-0.067	1.022286	-0.06554	0.947746	0.981636	chr15	44616121	44617152	+	0	NA	intron (N	L1ME3B|LI	47026	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr1-1596	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr1	15968919	15970852	+	0	NA	intron (N	intron (N	6247	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-1542	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	2071	NM_001018	10456	Hs.199625	NM_006118	ENSG00000	HAX1	HCLSBP1|H	HCLS1 ass	protein-coding
chr1-1750	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr1	1.75E+08	1.75E+08	+	0	NA	3’ UTR (N	3’ UTR (N	11212	NM_014412	27101	Hs.508524	NM_014412	ENSG00000	CACYBP	GIG5|PNAS	calcyclin	protein-coding
chr10-112	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr10	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	14579	NM_022494	64429	Hs.196990	NM_022494	ENSG00000	ZDHHC6	DHHC-6|ZN	zinc fing	protein-coding
chr11-586	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr11	58610137	58615022	+	0	NA	intron (N	intron (N	-10086	NM_000614	1270	Hs.524920	NM_000614	ENSG00000	CNTF	HCNTF	ciliary n	protein-coding

chr11-673	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr11	67308079	67308607	+	0	NA	intron (N	intron (N	4813	NM_017857	54961	Hs.29173	NM_017857	ENSG00000	SSH3	SSH3L	slingshot	protein-coding
chr15-509	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr15	50957358	50962159	+	0	NA	intron (N	L1MA4A|LI	15629	NR_027642	1E+08	Hs.730493	NR_027642		DCAF13P3	-	DDB1 and	pseudo
chr16-532	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr16	53298594	53300953	+	0	NA	intron (N	intron (N	71439	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-324	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr17	32469192	32471186	+	0	NA	intron (N	AluJb|SIN	-16804	NM_003885	8851	Hs.500015	NM_003885	ENSG00000	CDK5R1	CDK5P35|C	cyclin de	protein-coding
chr19-467	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr19	4677520	4680239	+	0	NA	promoter-	promoter-	-403	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr2-1272	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr2	12723472	12725046	+	0	NA	intron (N	L2c|LINE|	7323	NR_027303	28951	Hs.467751	NM_021643	ENSG00000	TRIB2	C5FW|GS39	tribbles	protein-coding
chr2-2275	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	63366	NM_001135	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|F	ArfGAP wi	protein-coding
chr20-385	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr20	38524806	38527222	+	0	NA	exon (NM_	exon (NM_	9451	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR548O2	-	microRNA	ncRNA
chr21-466	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr21	46650579	46652033	+	0	NA	intron (N	intron (N	15632	NM_206962	3275	Hs.154163	NM_001535	ENSG00000	PRMT2	HRMT1L1	protein a	protein-coding
chr22-205	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr22	20565130	20566753	+	0	NA	intron (N	intron (N	57894	NM_001293	51586	Hs.517421	NM_015889	ENSG00000	MED15	ARC105|CA	mediator	protein-coding
chr3-4048	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr3	40485088	40489470	+	0	NA	exon (NM_	exon (NM_	10157	NM_173656	285267	Hs.407159	NM_173656	ENSG00000	ZNF619	-	zinc fing	protein-coding
chr4-1254	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr4	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	-38441	NR_031746	1E+08		NR_031746	ENSG00000	MIR2054	hsa-mir-2	microRNA	ncRNA
chr5-9578	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr5	95789968	95794074	+	0	NA	intron (N	HAL1|LINE	30705	NM_002064	2745	Hs.28988	NM_002064	ENSG00000	GLRX	GRX|GRX1	glutaredo	protein-coding
chr7-7662	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr7	76623868	76625941	+	0	NA	intron (N	AluYm1|SI	2399	NM_152992	22932	Hs.488877	NM_012230	ENSG00000	POMZP3	POM-ZP3|F	POM121 an	protein-coding
chr9-8932	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr9	89329287	89330963	+	0	NA	intron (N	MER6B|DNA	11274	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bin	protein-coding
chr9-9230	8.435056	0.052268	0.797935	0.065505	0.947772	0.981636	chr9	92300763	92308619	+	0	NA	intron (N	L1MD3|LIN	-10935	NR_073446	3376	Hs.445403	NM_002161	ENSG00000	IARS	GRIDHH|IA	isoleucyl	protein-coding
chr4-8292	5.478643	0.064916	0.991762	0.065455	0.947811	0.981636	chr4	82929898	82930662	+	0	NA	intron (N	intron (N	-29364	NR_034077	1E+08	Hs.728916	NR_034075	ENSG00000	THAP9-AS1	-	THAP9 ant	ncRNA
chr1-1124	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	Tigger14a	6055	NR_036210	1E+08		NR_036210	ENSG00000	MIR4256	-	microRNA	ncRNA
chr1-1147	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	-16953	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr13-727	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr13	72775201	72777815	+	0	NA	intron (N	intron (N	5392	NM_001322	22894	Hs.744104	NM_014953	ENSG00000	DIS3	2810028NC	DIS3 homo	protein-coding
chr15-929	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr15	92975781	92987851	+	0	NA	intron (N	intron (N	77417	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr17-663	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr17	6632211	6635299	+	0	NA	intron (N	L1ME2z|LI	6956	NM_001351	9851	Hs.28070	NM_014804	ENSG00000	KIAA0753	MNR|OFIP	KIAA0753	protein-coding
chr17-401	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr17	40125973	40137469	+	0	NA	intron (N	intron (N	-8816	NM_007359	22794	Hs.743287	NM_007359	ENSG00000	CASC3	BTZ|MLN51	CASC3 exc	protein-coding
chr17-489	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr17	48915283	48929144	+	0	NA	intron (N	AluSg|SIN	-13230	NR_135674	1.05E+08	Hs.655254	NR_135674	ENSG00000	LOC105371	-	uncharact	ncRNA
chr19-162	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr19	16216238	16224599	+	0	NA	intron (N	AluSz|SIN	22507	NM_032493	8907	Hs.71040	NM_032493	ENSG00000	AP1M1	AP47|CLAF	adaptor r	protein-coding
chr20-384	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr20	38427364	38433560	+	0	NA	promoter-	promoter-	-658	NR_003017	677839	Hs.711516	NR_003017	ENSG00000	SNORA71C	U71c	small nuc	snoRNA
chr3-9425	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr3	9425984	9438016	+	0	NA	intron (N	intron (N	34300	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-5225	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr3	52255774	52263759	+	0	NA	exon (NM_	exon (NM_	8595	NR_029660	406890		NR_029660	ENSG00000	MIRLET7G	LET7G|MIF	microRNA	ncRNA
chr5-1233	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	L1PA4|LIN	67452	NM_001166	153241	Hs.483209	NM_153223	ENSG00000	CEP120	CCDC100|J	centrosom	protein-coding
chr8-3038	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chr8	30385995	30387539	+	0	NA	intron (N	intron (N	-1366	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chrX-4576	10.39228	0.047342	0.723614	0.065425	0.947836	0.981636	chrX	45769034	45769841	+	0	NA	Intergeni	Intergeni	-22313	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr10-119	6.95685	0.057203	0.876876	0.065235	0.947987	0.981636	chr10	11930164	11931467	+	0	NA	intron (N	intron (N	-36105	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr10-499	6.95685	0.057203	0.876876	0.065235	0.947987	0.981636	chr10	49973623	49974748	+	0	NA	non-codin	non-codin	-14133	NM_001365	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr19-171	6.95685	0.057203	0.876876	0.065235	0.947987	0.981636	chr19	17151200	17151778	+	0	NA	intron (N	L1M4|LINE	59254	NR_145784	1.1E+08		NR_145784		SNORA118	-	small nuc	snoRNA
chr2-1750	6.95685	0.057203	0.876876	0.065235	0.947987	0.981636	chr2	1.75E+08	1.75E+08	+	0	NA	non-codin	non-codin	-69023	NR_038133	1123	Hs.380138	NM_001822	ENSG00000	CHN1	ARHGAP2|C	chimerin	protein-coding
chr22-502	6.95685	0.057203	0.876876	0.065235	0.947987	0.981636	chr22	50219809	50221468	+	0	NA	exon (NM_	exon (NM_	19627	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr1-4485	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr1	44857304	44857739	+	0	NA	intron (N	AluSp|SIN	-14268	NM_003738	8643	Hs.591497	NM_003738	ENSG00000	PTCH2	PTC2	patched 2	protein-coding
chr2-3721	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr2	37215589	37217423	+	0	NA	TTS (NR_1	TTS (NR_1	15090	NM_005760	10153	Hs.135406	NM_005760	ENSG00000	CEBPZ	CBF|CBF2|	CCAAT enh	protein-coding
chr2-2261	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr2	2.26E+08	2.26E+08	+	0	NA	TTS (NR_0	TTS (NR_0	38141	NR_046102	646736	Hs.712836	NR_046102		LOC646736	-	uncharact	ncRNA
chr20-601	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr20	6015184	6016640	+	0	NA	intron (N	intron (N	8663	NM_001323	54675	Hs.743956	NM_019095	ENSG00000	CRLS1	C20orf155	cardiolip	protein-coding
chr4-6750	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr4	67506264	67507528	+	0	NA	exon (NM_	exon (NM_	38607	NM_001812	1060	Hs.479867	NM_001812	ENSG00000	CENPC	CENP-C|CE	centromer	protein-coding
chr6-1459	6.171845	-0.06108	0.9366	-0.06521	0.948005	0.981636	chr6	1.46E+08	1.46E+08	+	0	NA	intron (N	MSTD|LTR|	25672	NM_173082	257218	Hs.723297	NM_173082	ENSG00000	SHPRH	bA545I5.2	SNF2 hist	protein-coding
chr1-1593	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr1	15937514	15938028	+	0	NA	intron (N	intron (N	38361	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-2074	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr1	20741631	20743015	+	0	NA	TTS (NM_0	TTS (NM_0	-9620	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr1-2124	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr1	21241785	21248075	+	0	NA	intron (N	L2b|LINE|	34685	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr11-129	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr11	12930239	12935918	+	0	NA	intron (N	Tigger3c|	56470	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-621	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr11	62144495	62145576	+	0	NA	exon (NM_	exon (NM_	21024	NM_001040	3619	Hs.142179	NM_020238	ENSG00000	INCENP	-	inner cen	protein-coding
chr11-687	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr11	68766785	68769642	+	0	NA	intron (N	AluY|SINE	-16693	NM_001039	9633	Hs.145932	NM_004923	ENSG00000	TESMIN	CXCDC2|MT	testis ex	protein-coding
chr11-102	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	THE1A-int	14533	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr11-102	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MA9|LIN	13622	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAF	baculovir	protein-coding
chr12-122	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-49050	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr13-238	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr13	23819013	23820176	+	0	NA	intron (N	MER46C|DN	-69274	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr13-331	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr13	33140300	33144677	+	0	NA	intron (N	intron (N	43603	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr14-750	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr14	75094374	75095344	+	0	NA	intron (N	intron (N	25218	NM_001042	79696	Hs.48642	NM_024643	ENSG00000	ZC2HC1C	C14orf140	zinc fing	protein-coding
chr15-228	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr15	22865920	22867537	+	0	NA	TTS (NM_0	TTS (NM_0	28087	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr15-101	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-20548	NM_001308	80213	Hs.288912	NM_025141	ENSG00000	TM2D3	BLP2	TM2 domai	protein-coding
chr16-162	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr16	1626892	1627594	+	0	NA	intron (N	AluSx3|SI	12603	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-280	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr16	28095950	28098481	+	0	NA	TTS (NM_0	TTS (NM_0	-33501	NM_001109	146395	Hs.91910	NM_144675	ENSG00000	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-849	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr16	84980443	84985236	+	0	NA	intron (N	intron (N	28696	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SEF	zinc fing	protein-coding
chr17-384	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr17	38458513	38463966	+	0	NA	intron (N	L2c|LINE|	32775	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr17-440	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr17	44073673	44075774	+	0	NA	exon (NM_	exon (NM_	3812	NR_028582	92579	Hs.294005	NM_138387	ENSG00000	G6PC3	SCN4|UGRF	glucose-6	protein-coding
chr17-474	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr17	47480795	47482482	+	0	NA	intron (N	AluJb|SIN	10982	NR_033934	653479	Hs.537279	NR_033934		MRPL45P2	-	mitochond	pseudo
chr18-276	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr18	2760678	2763959	+	0	NA	intron (N	intron (N	-84688	NM_032048	84034	Hs.532815	NM_032048	ENSG00000	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr2-2030	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr2	20305999	20309880	+	0	NA	intron (N	intron (N	19447	NM_001282	23369	Hs.467824	NM_015317	ENSG00000	PUM2	PUMH2|PUM	pumilio R	protein-coding
chr2-2239	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	MER5C|DNA	33858	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr20-632	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr20	63207671	63210278	+	0	NA	intron (N	intron (N	7157	NM_017798	54915	Hs.744852	NM_017798	ENSG00000	YTHDF1	C20orf21	YTH N6-me	protein-coding
chr21-323	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr21	32322342	32326646	+	0	NA	exon (NM_	exon (NM_	32681	NM_001285	56246	Hs.584940	NM_178817	ENSG00000	MRAP	B27|C21or	melanocor	protein-coding
chr21-371	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr21	37194172	37196754	+	0	NA	intron (N	intron (N	-1537	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr3-1636	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr3	16367406	16370192	+	0	NA	intron (N	MER3|DNA|	103587	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr3-5270	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr3	52708010	52710162	+	0	NA	3’ UTR (N	3’ UTR (N	2980	NM_014041	28972	Hs.11125	NM_014041	ENSG00000	SPCS1	HSPC033|S	signal pe	protein-coding
chr4-7077	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr4	70773047	70773998	+	0	NA	exon (NM_	exon (NM_	39112	NM_001345	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr4-7309	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr4	73090047	73098424	+	0	NA	intron (N	intron (N	-24476	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-7548	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr4	75488251	75490555	+	0	NA	intron (N	MER57A-in	19893	NR_103725	25898	Hs.48297	NM_015436	ENSG00000	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr4-1587	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	6757	NM_005038	5481	Hs.183958	NM_005038	ENSG00000	PPID	CYP-40|CY	peptidylp	protein-coding
chr4-1684	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	L1PA2|LIN	32840	NM_001291	91351	Hs.535011	NM_001012	ENSG00000	DDX60L	-	DExD/H-bo	protein-coding
chr5-7537	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr5	75377762	75381873	+	0	NA	intron (N	AluSc|SIN	42597	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr5-8045	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr5	80456196	80458035	+	0	NA	intron (N	intron (N	-30985	NM_205548	167555	Hs.338182	NM_205548	ENSG00000	FAM151B	UNQ9217	family wi	protein-coding
chr5-1195	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr5	1.2E+08	1.2E+08	+	0	NA	intron (N	L1PA16|LI	52448	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr5-1404	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	exon (NM_	exon (NM_	39204	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr5-1547	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	35084	NM_001367	23367	Hs.292078	NM_015315	ENSG00000	LARP1	LARP	La ribonu	protein-coding
chr6-7897	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr6	7897547	7900178	+	0	NA	intron (N	intron (N	11215	NM_001145	81567	Hs.150837	NM_022085	ENSG00000	TXNDC5	ENDOPDI|E	thioredox	protein-coding
chr6-4761	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr6	47612361	47616502	+	0	NA	intron (N	Tigger1|D	-42041	NM_153839	222611	Hs.724860	NM_153839	ENSG00000	ADGRF2	GPR111|PG	adhesion	protein-coding
chr7-6678	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr7	66786470	66787924	+	0	NA	intron (N	AluSz|SIN	31315	NM_001287	27342	Hs.530053	NM_014504	ENSG00000	RABGEF1	RABEX5|RA	RAB guani	protein-coding
chr7-7758	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr7	77584017	77587815	+	0	NA	intron (N	Tigger1|D	47873	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr8-1933	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr8	19338898	19339969	+	0	NA	intron (N	intron (N	25457	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-2635	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr8	26359844	26362739	+	0	NA	intron (N	intron (N	21662	NR_144550	157489	Hs.586388	NR_144550	ENSG00000	SDAD1P1	-	SDA1 doma	pseudo
chr9-9542	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr9	95421691	95423252	+	0	NA	Intergeni	AluJb|SIN	-41138	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr9-1289	7.153464	-0.05611	0.860586	-0.0652	0.948014	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSq2|SI	-36503	NM_014908	22845	Hs.531563	NM_014908	ENSG00000	DOLK	CDG1M|DK|	dolichol	protein-coding
chr11-195	7.210319	-0.05769	0.885698	-0.06513	0.948069	0.981636	chr11	1954221	1954868	+	0	NA	intron (N	intron (N	5213	NR_132974	1.07E+08		NR_132974		SNORD131	-	small nuc	snoRNA
chr1-5280	7.907036	0.054315	0.836559	0.064927	0.948232	0.981636	chr1	52807654	52807910	+	0	NA	intron (N	AluJb|SIN	-34978	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr12-144	7.907036	0.054315	0.836559	0.064927	0.948232	0.981636	chr12	14421357	14422117	+	0	NA	intron (N	intron (N	36456	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr10-286	10.87131	0.046005	0.709783	0.064816	0.948321	0.981636	chr10	28608692	28614446	+	0	NA	intron (N	intron (N	-65952	NM_012342	25805	Hs.533336	NM_012342	ENSG00000	BAMBI	NMA	BMP and a	protein-coding
chr13-235	10.87131	0.046005	0.709783	0.064816	0.948321	0.981636	chr13	23593319	23596996	+	0	NA	intron (N	L1P3|LINE	15797	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr3-4449	10.87131	0.046005	0.709783	0.064816	0.948321	0.981636	chr3	44498986	44500651	+	0	NA	exon (NM_	exon (NM_	10799	NM_001287	285346	Hs.648974	NM_001287	ENSG00000	ZNF852	-	zinc fing	protein-coding
chr1-1087	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME3|LIN	45696	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr10-110	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-75535	NM_130439	4601	Hs.602078	NM_005962	ENSG00000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr11-467	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr11	46792185	46799889	+	0	NA	intron (N	AluSx1|SI	-33538	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr15-484	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr15	48495696	48497258	+	0	NA	intron (N	intron (N	149311	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-847	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr15	84709898	84711750	+	0	NA	intron (N	MamRep115	5315	NM_014300	23478	Hs.9534	NM_014300	ENSG00000	SEC11A	1810012EC	SEC11 hom	protein-coding
chr16-249	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr16	24946749	24949679	+	0	NA	intron (N	L1ME4b|LI	67155	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-533	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr16	53323656	53325747	+	0	NA	exon (NM_	exon (NM_	46511	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr16-564	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr16	56453900	56457125	+	0	NA	intron (N	intron (N	3428	NM_001324	55239	Hs.231883	NM_018233	ENSG00000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr17-679	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr17	67940243	67942221	+	0	NA	intron (N	AluSz|SIN	52374	NM_181656	284018	Hs.90790	NM_181655	ENSG00000	C17orf58	-	chromosom	protein-coding
chr19-327	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr19	32704250	32705003	+	0	NA	intron (N	L1MEc|LIN	12665	NM_001105	390916	Hs.203961	NM_001105	ENSG00000	NUDT19	RP2	nudix hyd	protein-coding
chr19-477	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr19	47723839	47726043	+	0	NA	intron (N	AluSx|SIN	11519	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr2-2013	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	-38038	NM_139163	130540	Hs.107944	NM_139163	ENSG00000	FLACC1	ALS2CR12	flagellum	protein-coding
chr4-1563	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr4	15631201	15634022	+	0	NA	intron (N	L1PA6|LIN	22746	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box and	protein-coding
chr5-6602	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr5	66023296	66026886	+	0	NA	intron (N	intron (N	-79518	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr5-6602	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr5	66028103	66032675	+	0	NA	intron (N	intron (N	-84816	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr5-9673	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr5	96736977	96744621	+	0	NA	intron (N	intron (N	-2803	NR_104285	831	Hs.436186	NM_001750	ENSG00000	CAST	BS-17|PLA	calpastat	protein-coding
chr5-1484	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	26898	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr6-4118	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr6	4118858	4123697	+	0	NA	intron (N	L1ME2|LIN	14191	NM_001166	10455	Hs.15250	NM_006117	ENSG00000	ECI2	ACBD2|DRS	enoyl-CoA	protein-coding
chr6-1315	8.914078	0.050393	0.777595	0.064806	0.948328	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	14673	NM_001244	383	Hs.440934	NM_000045	ENSG00000	ARG1	-	arginase	protein-coding
chr10-119	10.9203	0.046173	0.713433	0.064719	0.948398	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	L2a|LINE|	29399	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr12-561	10.9203	0.046173	0.713433	0.064719	0.948398	0.981636	chr12	56170894	56173448	+	0	NA	intron (N	AluJr|SIN	13812	NM_021019	4637	Hs.632717	NM_021019	ENSG00000	MYL6	ESMLC|LC1	myosin li	protein-coding
chr8-4299	5.726105	-0.06241	0.967374	-0.06451	0.948562	0.981636	chr8	42994902	42996469	+	0	NA	intron (N	L2a|LINE|	-60614	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-1242	5.726105	-0.06241	0.967374	-0.06451	0.948562	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx|SIN	-4204	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr12-132	8.963076	0.050644	0.785065	0.06451	0.948564	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	CpG-6292	5286	NM_024078	79050	Hs.558536	NM_024078	ENSG00000	NOC4L	NET49|NOC	nucleolar	protein-coding
chr2-2083	8.963076	0.050644	0.785065	0.06451	0.948564	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	MER30|DNA	-43930	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr1-1228	11.39933	0.044937	0.696963	0.064475	0.948592	0.981636	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1301923	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-577	11.39933	0.044937	0.696963	0.064475	0.948592	0.981636	chr11	57795935	57798012	+	0	NA	exon (NM_	exon (NM_	35171	NM_001206	1500	Hs.166011	NM_001331	ENSG00000	CTNND1	BCDS2|CAS	catenin d	protein-coding
chr17-822	11.39933	0.044937	0.696963	0.064475	0.948592	0.981636	chr17	82245014	82257973	+	0	NA	exon (NM_	exon (NM_	14825	NR_106845	1.02E+08		NR_106845	ENSG00000	MIR6787	hsa-mir-6	microRNA	ncRNA
chr12-112	6.006663	0.061397	0.952573	0.064454	0.948609	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-14681	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA

chr16-503	6.42883	0.060381	0.937279	0.064422	0.948634	0.981636	chr16	50351459	50352457	+	0	NA	intron (N	L1MA6|LIN	17030	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CEL1	bromodoma	protein-coding
chr1-1377	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr1	13778019	13779606	+	0	NA	exon (NM_	exon (NM_	29397	NM_001007	7799	Hs.371823	NM_012231	ENSG00000	PRDM2	HUMHOXY1|	PR/SET dc	protein-coding
chr1-5137	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr1	51372022	51372505	+	0	NA	intron (N	intron (N	-27147	NM_001144	22996	Hs.112949	NM_001080	ENSG00000	TTC39A	C1orf34|D	tetratric	protein-coding
chr1-1456	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	10370	NM_001097	653519	Hs.504320	NM_001097	ENSG00000	GPR89A	GPHR|GPR8	G proteir	protein-coding
chr1-1514	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJr|SIN	17140	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr10-102	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	3' UTR (N	3' UTR (N	18308	NM_024789	79847	Hs.309069	NM_024789	ENSG00000	MFSD13A	C10orf77|	major fac	protein-coding
chr10-104	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	AluJr4|SI	28763	NR_030760	1E+08		NR_030760	ENSG00000	MIR936	MIRN936|I	microRNA	ncRNA
chr13-793	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr13	79335429	79336903	+	0	NA	intron (N	intron (N	70055	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-999	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr14	99914042	99915879	+	0	NA	intron (N	intron (N	-56462	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr15-348	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr15	34873862	34875290	+	0	NA	intron (N	intron (N	-79027	NM_005159	70	Hs.118127	NM_005159	ENSG00000	ACTC1	ACTC|ASD5	actin alp	protein-coding
chr17-425	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr17	4258830	4261394	+	0	NA	intron (N	L2a|LINE|	3735	NM_001257	51479	Hs.696087	NM_016376	ENSG00000	ANKFY1	ANKHZN|B1	ankyrin r	protein-coding
chr19-493	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr19	49342953	49343682	+	0	NA	exon (NM_	exon (NM_	7911	NM_001040	951	Hs.166556	NM_001774	ENSG00000	CD37	GP52-40|1	CD37 mole	protein-coding
chr21-288	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr21	28875947	28876586	+	0	NA	3' UTR (N	3' UTR (N	9101	NM_013240	29104	Hs.163846	NM_013240	ENSG00000	N6AMT1	C21orf127	N-6 adeni	protein-coding
chr3-4692	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr3	46923712	46925115	+	0	NA	intron (N	intron (N	42164	NM_001184	5745	Hs.1019	NM_000316	ENSG00000	PTH1R	EKNS|PFE|	parathyrc	protein-coding
chr3-1964	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	30653	NM_152617	165918	Hs.250648	NM_152617	ENSG00000	RNF168	hRNF168	ring fing	protein-coding
chr5-1414	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr5	14146329	14149955	+	0	NA	intron (N	(AATTTAA)	4800	NM_007118	7204	Hs.130031	NM_007118	ENSG00000	TRIO	ARHGEF23|	trio Rho	protein-coding
chr6-1316	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	18747	NM_004830	9439	Hs.29679	NM_004830	ENSG00000	MED23	ARC130|CF	mediator	protein-coding
chr6-1495	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluJo|SIN	3300	NR_077247	645958	Hs.632614	NR_077247		RPS18P9	RPS18_6_7	ribosomal	pseudo
chr9-3610	7.435872	0.054644	0.849664	0.064313	0.948721	0.981636	chr9	36107668	36112574	+	0	NA	intron (N	intron (N	-26415	NR_104637	152007	Hs.493819	NM_022343	ENSG00000	GLIPR2	C9orf19|C	GLI patho	protein-coding
chr8-1250	8.62982	-0.05217	0.811374	-0.06429	0.948737	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	30106	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr1-1457	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	3' UTR (N	3' UTR (N	26870	NR_103845	11126	Hs.488237	NM_007053	ENSG00000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr10-103	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	6638	NM_014976	22984	Hs.239499	NM_014976	ENSG00000	PDCD11	ALG-4|ALC	programme	protein-coding
chr11-575	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr11	57556426	57558608	+	0	NA	intron (N	AluSp|SIN	10155	NM_004223	9246	Hs.425777	NM_004223	ENSG00000	UBE2L6	RIG-B|UBC	ubiquitir	protein-coding
chr15-996	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr15	99674469	99676884	+	0	NA	intron (N	intron (N	42698	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr16-150	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr16	15030891	15037829	+	0	NA	exon (NM_	exon (NM_	21714	NM_173474	123803	Hs.592045	NM_173474	ENSG00000	NTAN1	PNAA|PNAL	N-termina	protein-coding
chr22-386	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr22	38686723	38689421	+	0	NA	intron (N	intron (N	6115	NM_020243	56993	Hs.595072	NM_020243	ENSG00000	TOMM22	1C9-2|MST	transloca	protein-coding
chr3-5815	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr3	58156773	58157127	+	0	NA	intron (N	AluSx|SIN	13685	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr7-7289	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr7	72897859	72901707	+	0	NA	intron (N	AluY|SINE	9156	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr9-3241	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr9	32417814	32419570	+	0	NA	intron (N	L2a|LINE|	34049	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr9-1329	9.442098	0.04891	0.761414	0.064235	0.948783	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	18264	NM_001362	7248	Hs.370854	NM_000368	ENSG00000	TSC1	LAM|TSC	TSC compl	protein-coding
chr1-1204	11.87835	0.043801	0.682663	0.064162	0.948841	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	L1P2|LINE	-22149	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr12-695	11.87835	0.043801	0.682663	0.064162	0.948841	0.981636	chr12	69571297	69572497	+	0	NA	intron (N	intron (N	-12826	NR_037476	1.01E+08		NR_037476	ENSG00000	MIR3913-2	mir-3913-	microRNA	ncRNA
chr6-3060	11.87835	0.043801	0.682663	0.064162	0.948841	0.981636	chr6	30601401	30609968	+	0	NA	intron (N	AluY|SINE	11559	NM_002714	5514	Hs.106019	NM_002714	ENSG00000	PPP1R10	CAT53|FB1	protein p	protein-coding
chr15-687	5.957665	0.061081	0.952226	0.064146	0.948854	0.981636	chr15	68782098	68782324	+	0	NA	intron (N	intron (N	19714	NR_036197	1E+08		NR_036197	ENSG00000	MIR4312	-	microRNA	ncRNA
chr3-1344	5.957665	0.061081	0.952226	0.064146	0.948854	0.981636	chr3	1.34E+08	1.34E+08	+	0	NA	3' UTR (N	3' UTR (N	-7861	NM_001353	80254	Hs.443301	NM_025180	ENSG00000	CEP63	SCKL6	centrosom	protein-coding
chr2-3240	8.086085	-0.05309	0.827843	-0.06413	0.94887	0.981636	chr2	32401264	32401947	+	0	NA	exon (NM_	exon (NM_	44577	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|E	baculovir	protein-coding
chr1-7795	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr1	77951981	77953419	+	0	NA	intron (N	intron (N	26372	NR_130152	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr1-2008	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSq|SIN	-56585	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G proteir	protein-coding
chr1-2489	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr1	2.49E+08	2.49E+08	+	0	NA	exon (NM_	exon (NM_	11975	NM_001017	267002	Hs.602037	NM_170725	ENSG00000	PGBD2	-	piggyBac	protein-coding
chr10-974	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr10	97459355	97463639	+	0	NA	exon (NM_	exon (NM_	15322	NM_198046	84287	Hs.76662	NM_032327	ENSG00000	ZDHHC16	APH2|DHHC	zinc fing	protein-coding
chr12-871	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr12	871230	871846	+	0	NA	intron (N	intron (N	61538	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr18-576	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr18	57660245	57660935	+	0	NA	intron (N	AluSg|SIN	30259	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr2-9936	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr2	99363373	99365273	+	0	NA	exon (NM_	exon (NM_	26934	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr22-378	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr22	37888154	37890774	+	0	NA	TTS (NM_C	TTS (NM_C	-16833	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr3-1324	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	66534	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr4-2657	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr4	2657911	2658417	+	0	NA	intron (N	MIR|SINE|	32732	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr5-3153	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr5	31534314	31537165	+	0	NA	intron (N	intron (N	3438	NM_018356	55322	Hs.519246	NM_018356	ENSG00000	C5orf22	-	chromosom	protein-coding
chr5-3467	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr5	34674914	34676267	+	0	NA	intron (N	AluJr|SIN	-8917	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-1500	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	25403	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr6-5646	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr6	56462484	56466197	+	0	NA	intron (N	intron (N	-70212	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FF	collagen	protein-coding
chr6-1325	9.393101	0.048709	0.760248	0.064069	0.948915	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	AluY|SINE	10088	NM_001326	8417	Hs.593148	NM_003569	ENSG00000	STX7	-	syntaxin	protein-coding
chr1-3096	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr1	30965882	30969421	+	0	NA	TTS (NR_C	TTS (NR_C	586	NR_003066	692200		NR_003066		SNORD103C	HBII-251|	small nuc	snoRNA
chr10-121	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr10	12133438	12134371	+	0	NA	intron (N	intron (N	-3088	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr10-103	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	7979	NM_001011	84108	Hs.335808	NM_032154	ENSG00000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr13-984	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr13	98455630	98458025	+	0	NA	intron (N	intron (N	65298	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr13-114	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-15692	NM_032436	283489	Hs.7542	NM_032436	ENSG00000	CHAMP1	C13orf8|C	chromosom	protein-coding
chr14-729	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr14	72986721	72987923	+	0	NA	promoter-	promoter-	-366	NM_001281	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPF	zinc fing	protein-coding
chr16-294	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr16	29410952	29412248	+	0	NA	Intergeni	Intergeni	-7055	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr2-1732	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L2a|LINE|	49165	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr2-2416	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	11845	NM_001164	51078	Hs.435759	NM_015963	ENSG00000	THAP4	CGI-36|NE	THAP doma	protein-coding
chr20-167	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr20	16732803	16734512	+	0	NA	intron (N	MER58B|DN	3631	NM_198220	6629	Hs.280378	NM_003092	ENSG00000	SNRPB2	Msl1|U2B'	small nuc	protein-coding
chr22-193	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr22	19369157	19369748	+	0	NA	intron (N	intron (N	62281	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUF	histone c	protein-coding
chr22-317	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr22	31759835	31760346	+	0	NA	intron (N	AluY|SINE	6067	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-5310	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr3	53105184	53105583	+	0	NA	intron (N	AluSx|SIN	25052	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homc	protein-coding
chr4-5705	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr4	57052161	57052851	+	0	NA	intron (N	intron (N	-57256	NR_034081	255130	Hs.691061	NR_034081	ENSG00000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr5-1322	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	11758	NR_106888	1.02E+08		NR_106888	ENSG00000	MIR6830	hsa-mir-6	microRNA	ncRNA
chr6-5731	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr6	57319589	57320090	+	0	NA	intron (N	intron (N	2209	NM_000947	5558	Hs.654580	NM_000947	ENSG00000	PRIM2	PRIM2A|p5	DNA prima	protein-coding
chr8-4243	6.658726	-0.05741	0.897071	-0.06399	0.948977	0.981636	chr8	42436923	42437833	+	0	NA	exon (NM_	exon (NM_	45498	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage c	protein-coding
chr1-1811	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr1	1811195	1816540	+	0	NA	intron (N	L1MA7|LIN	-33836	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-3105	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr1	31057811	31059570	+	0	NA	intron (N	AluSz|SIN	7027	NM_001020	9698	Hs.281707	NM_014676	ENSG00000	PUM1	HSPUM|PUM	pumilio F	protein-coding
chr11-496	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr11	496801	501452	+	0	NA	exon (NM_	exon (NM_	7642	NM_203384	6050	Hs.530687	NM_002939	ENSG00000	RNH1	RAI|RNH	ribonucle	protein-coding
chr11-119	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	14025	NR_106814	1.02E+08		NR_106814	ENSG00000	MIR6756	hsa-mir-6	microRNA	ncRNA
chr12-123	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx|SIN	14310	NM_001324	387893	Hs.443735	NM_020382	ENSG00000	KMT5A	PR-Set7|F	lysine me	protein-coding
chr13-200	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr13	20064962	20068206	+	0	NA	intron (N	Tigger2a|	-36117	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr17-287	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr17	28713632	28715591	+	0	NA	exon (NM_	exon (NM_	-2723	NM_001304	147011	Hs.207471	NM_152465	ENSG00000	PROCA1	-	protein i	protein-coding
chr17-384	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr17	38472145	38484178	+	0	NA	intron (N	intron (N	49697	NM_001199	57636	Hs.374446	NM_020876	ENSG00000	ARHGAP23	-	Rho GTPas	protein-coding
chr17-428	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr17	42834748	42841638	+	0	NA	exon (NM_	exon (NM_	4796	NM_005789	10197	Hs.152978	NM_005789	ENSG00000	PSME3	HEL-S-283	proteasom	protein-coding
chr19-399	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr19	39972778	39976148	+	0	NA	intron (N	intron (N	3298	NM_006503	5704	Hs.211594	NM_006503	ENSG00000	PSMC4	MIP224|RF	proteasom	protein-coding
chr2-2238	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSz|SIN	-42962	NR_110906	130340	Hs.632555	NM_178814	ENSG00000	AP1S3	PSORS15	adaptor r	protein-coding
chr2-2415	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-24598	NR_033346	1E+08	Hs.621128	NR_033346		BOK-AS1	BOK-AS|BC	BOK antis	ncRNA
chr5-3468	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr5	34687362	34693478	+	0	NA	intron (N	intron (N	2861	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr7-6119	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr7	6119116	6123412	+	0	NA	intron (N	L1ME1|LIN	16315	NM_032172	84132	Hs.31856	NM_032172	ENSG00000	USP42	-	ubiquitir	protein-coding
chr8-4306	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr8	43061805	43062004	+	0	NA	intron (N	AluSp|SIN	5581	NM_002027	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr8-9813	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr8	98139418	98142412	+	0	NA	intron (N	intron (N	23075	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homc	protein-coding
chr9-1282	9.921121	0.047362	0.741198	0.0639	0.94905	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-8751	NM_001318	375757	Hs.259594	NM_001040	ENSG00000	SWI5	C9orf119|	SWI5 homc	protein-coding
chr12-123	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	promoter-	promoter-	-669	NM_001319	353116	Hs.530315	NM_178314	ENSG00000	RILPL1	GOSPEL|RI	Rab inter	protein-coding
chr15-748	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr15	74891600	74892683	+	0	NA	intron (N	AluSx4|SI	2099	NM_002435	4351	Hs.75694	NM_002435	ENSG00000	MPI	CDG1B|PMI	mannose p	protein-coding
chr16-448	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr16	4484005	4484937	+	0	NA	intron (N	AluSx|SIN	8073	NM_002134	3163	Hs.284279	NM_002134	ENSG00000	HMOX2	HO-2	heme oxyg	protein-coding
chr19-373	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr19	37324059	37327656	+	0	NA	intron (N	AluJb|SIN	7975	NR_138111	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr19-555	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr19	55577306	55579145	+	0	NA	exon (NM_	exon (NM_	2623	NM_152600	163033	Hs.112529	NM_152600	ENSG00000	ZNF579	-	zinc fing	protein-coding
chr9-3423	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr9	34235643	34237738	+	0	NA	intron (N	L2|LINE|L	57647	NM_001171	51271	Hs.268963	NM_016525	ENSG00000	UBAP1	NAG20|SPC	ubiquitir	protein-coding
chr9-3433	7.963892	0.052615	0.823945	0.063857	0.949084	0.981636	chr9	34339233	34340212	+	0	NA	intron (N	AluJb|SIN	10153	NM_147173	318	Hs.493767	NM_001161	ENSG00000	NUDT2	APAH1	nudix hyc	protein-coding
chr1-1502	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx1|SI	-3395	NM_001300	148523	Hs.54680	NM_144697	ENSG00000	CIART	C1orf51|C	circadiar	protein-coding
chr1-2365	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	AluSc5|SI	23523	NM_018072	55127	Hs.708114	NM_018072	ENSG00000	HEATR1	BAP28|UTF	HEAT repe	protein-coding
chr12-763	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr12	76399793	76400298	+	0	NA	intron (N	L1PA13|LI	23240	NM_001319	114882	Hs.430849	NM_020841	ENSG00000	OSBPL8	MST120|MS	oxysterol	protein-coding
chr4-1030	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	10998	NM_020139	56898	Hs.124696	NM_020139	ENSG00000	BDH2	DHRS6|EFA	3-hydroxy	protein-coding
chr5-9044	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr5	9044069	9044440	+	0	NA	intron (N	intron (N	9641	NR_039779	1.01E+08		NR_039779	ENSG00000	MIR4636	mir-4636	microRNA	ncRNA
chr7-1012	6.707723	-0.05686	0.890587	-0.06385	0.94909	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	MIRb|SINE	3063	NM_001084	8985	Hs.153357	NM_001084	ENSG00000	PLOD3	LH3	procollag	protein-coding
chr1-2577	7.202461	-0.05565	0.871922	-0.06382	0.949114	0.981636	chr1	25771762	25772216	+	0	NA	intron (N	MIR3|SINE	-28204	NM_206926	57190	Hs.323396	NM_020451	ENSG00000	SELENON	CFTD|MDRS	selenopro	protein-coding
chr15-419	7.202461	-0.05565	0.871922	-0.06382	0.949114	0.981636	chr15	41952730	41953745	+	0	NA	intron (N	intron (N	19320	NM_139265	30844	Hs.143703	NM_139265	ENSG00000	EHD4	PAST4	EH domair	protein-coding
chr3-1882	7.202461	-0.05565	0.871922	-0.06382	0.949114	0.981636	chr3	1.88E+08	1.88E+08	+	0	NA	intron (N	L2b|LINE|	2916	NM_001167	4026	Hs.720220	NM_005578	ENSG00000	LPP	-	LIM domai	protein-coding
chr22-379	8.386059	0.052214	0.818397	0.0638	0.949129	0.981636	chr22	37967649	37968085	+	0	NA	TTS (NR_1	TTS (NR_1	304	NR_106878	1.02E+08		NR_106878	ENSG00000	MIR6820	hsa-mir-6	microRNA	ncRNA
chr20-366	6.485685	0.05799	0.909717	0.063745	0.949173	0.981636	chr20	36658725	36660377	+	0	NA	intron (N	L1ME4a|LI	-13355	NM_032214	84174	Hs.713578	NM_032214	ENSG00000	SLA2	C20orf156	Src like	protein-coding
chr7-7354	6.485685	0.05799	0.909717	0.063745	0.949173	0.981636	chr7	73548710	73549382	+	0	NA	intron (N	L1ME3B|LI	8190	NR_036682	9275	Hs.647051	NM_001707	ENSG00000	BCL7B	-	BAF chron	protein-coding
chr14-504	16.34043	-0.03773	0.592257	-0.06371	0.949198	0.981636	chr14	50464931	50477432	+	0	NA	intron (N	L1PA11|LI	61388	NM_198794	11183	Hs.130491	NM_006575	ENSG00000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr1-1594	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr1	15940428	15944748	+	0	NA	exon (NM_	exon (NM_	33544	NM_001324	7709	Hs.433764	NM_003443	ENSG00000	ZBTB17	MIZ-1|ZNF	zinc fing	protein-coding
chr1-2535	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr1	25352272	25355815	+	0	NA	intron (N	AluJb|SIN	15709	NM_014313	23585	Hs.705699	NM_014313	ENSG00000	TMEM50A	IFNRC|SMF	transmemb	protein-coding
chr1-3093	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr1	30938817	30942137	+	0	NA	intron (N	AluSx3|SI	-4701	NR_033295	692235		NR_033295		SNORD103B	U103B	small nuc	snoRNA
chr1-2257	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluY|SINE	4591	NM_001130	6726	Hs.511425	NM_003133	ENSG00000	SRP9	ALURBP	signal re	protein-coding
chr10-574	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr10	5746250	5748454	+	0	NA	exon (NM_	exon (NM_	62514	NM_001321	54906	Hs.610717	NM_017782	ENSG00000	TASOR2	C10orf18|	transcrip	protein-coding
chr10-122	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr10	12244162	12245216	+	0	NA	intron (N	intron (N	48501	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr10-110	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJb|SIN	-84900	NM_130439	4601	Hs.602078	NM_005962	ENSG00000	MXI1	MAD2|MXD2	MAX inter	protein-coding
chr12-645	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr12	64500907	64501804	+	0	NA	exon (NM_	exon (NM_	49235	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr14-212	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr14	21242649	21245653	+	0	NA	intron (N	AluSq|SIN	25328	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNF	heteroger	protein-coding
chr14-814	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr14	81493787	81498418	+	0	NA	intron (N	AluY|SINE	37751	NM_005065	6400	Hs.181300	NM_005065	ENSG00000	SEL1L	Hrd3|PRO1	SEL1L ada	protein-coding
chr16-586	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr16	58624164	58626067	+	0	NA	intron (N	AluSz|SIN	4711	NM_206999	23019	Hs.460923	NM_016284	ENSG00000	CNOT1	AD-005|CD	CCR4-NOT	protein-coding
chr17-383	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr17	38308432	38312529	+	0	NA	intron (N	AluSx|SIN	13312	NM_032351	84311	Hs.537279	NM_032351	ENSG00000	MRPL45	L45mt|MRF	mitochonc	protein-coding
chr17-397	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr17	39727267	39728444	+	0	NA	TTS (NM_C	TTS (NM_C	1360	NR_039881	1.01E+08		NR_039881	ENSG00000	MIR4728	-	microRNA	ncRNA
chr17-590	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr17	59048744	59049730	+	0	NA	exon (NM_	exon (NM_	57643	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr17-671	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr17	67116883	67120705	+	0	NA	intron (N	L1ME1|LIN	74240	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr19-418	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr19	41894467	41894791	+	0	NA	exon (NM_	exon (NM_	10186	NM_199002	9138	Hs.631550	NM_004706	ENSG00000	ARHGEF1	GEF1|IMD6	Rho guani	protein-coding
chr19-495	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr19	49575080	49576581	+	0	NA	intron (N	MER58B|DN	4726	NM_001363	51070	Hs.7236	NM_015953	ENSG00000	NOSIP	CGI-25	nitric ox	protein-coding
chr2-9779	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr2	97791422	97792841	+	0	NA	intron (N	intron (N	57725	NM_207519	7535	Hs.234569	NM_001079	ENSG00000	ZAP70	ADMIO2|IM	zeta chai	protein-coding

chr3-4912	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr3	49129399	49131571	+	0	NA	intron (N	intron (N	2565	NM_002292	3913	Hs.439726	NM_002292	ENSG00000	LAMB2	LAMS|NPHS	laminin s	protein-coding
chr3-1794	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	AluSq2|SI	33122	NM_021629	59345	Hs.173030	NM_021629	ENSG00000	GNB4	CMTD1F	G protein	protein-coding
chr4-6833	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr4	68334583	68337430	+	0	NA	intron (N	intron (N	14084	NM_001330	91746	Hs.175955	NM_133370	ENSG00000	YTHDC1	YT521|YT5	YTH domai	protein-coding
chr6-1384	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr6	1.38E+08	1.38E+08	+	0	NA	intron (N	MLT1A0|LT	2325	NM_014320	23593	Hs.486589	NM_014320	ENSG00000	HEBP2	C6ORF34B|	heme binc	protein-coding
chr6-1666	7.640344	-0.0532	0.835983	-0.06364	0.949255	0.981636	chr6	1.67E+08	1.67E+08	+	0	NA	intron (N	intron (N	8893	NM_021135	6196	Hs.655277	NM_021135	ENSG00000	RPS6KA2	HU-2|MAPK	ribosomal	protein-coding
chr1-1909	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr1	19092410	19109025	+	0	NA	intron (N	intron (N	109549	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr1-5652	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr1	56521900	56525997	+	0	NA	intron (N	L2a|LINE|	55615	NM_003713	8613	Hs.405156	NM_003713	ENSG00000	PLPP3	Dri42|LPP	phospholi	protein-coding
chr1-1512	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	8064	NM_020832	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr11-704	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr11	70404342	70423938	+	0	NA	intron (N	AluY|SINE	15611	NM_001184	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-656	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr12	6569517	6602856	+	0	NA	intron (N	AluY|SINE	-4577	NR_003012	677780	Hs.689692	NR_003012	ENSG00000	SCARNA11	ACA57	small Ca	ncRNA
chr14-102	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	53885	NM_005348	3320	Hs.525600	NM_005348	ENSG00000	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr15-590	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr15	59080645	59082671	+	0	NA	intron (N	AluJo|SIN	-23488	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr16-307	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr16	30703381	30725534	+	0	NA	intron (N	AluY|SINE	3920	NR_002966	677813	Hs.689718	NR_002966	ENSG00000	SNORA30	ACA30|SNC	small nuc	snoRNA
chr19-222	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	2229881	2230553	+	0	NA	exon (NM_	exon (NM_	3932	NR_031596	1E+08		NR_031596	ENSG00000	MIR1227	MIRN1227|	microRNA	ncRNA
chr19-361	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	36142153	36149565	+	0	NA	exon (NM_	exon (NM_	4869	NM_001302	826	Hs.515371	NM_001749	ENSG00000	CAPNS1	CALPAIN4|	calpain s	protein-coding
chr19-515	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	51580335	51588161	+	0	NA	intron (N	intron (N	10132	NR_034159	729975	Hs.716785	NR_034159		LINC0153C	-	long inte	ncRNA
chr19-533	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	53342275	53354311	+	0	NA	intron (N	intron (N	14544	NM_138374	91664	Hs.720672	NM_138374	ENSG00000	ZNF845	-	zinc fing	protein-coding
chr19-574	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	57417297	57422109	+	0	NA	exon (NM_	exon (NM_	8542	NM_006959	7565	Hs.729403	NM_006959	ENSG00000	ZNF17	HPF3|KOX1	zinc fing	protein-coding
chr19-575	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr19	57501721	57509210	+	0	NA	intron (N	intron (N	5527	NR_130705	374928	Hs.579576	NM_198542	ENSG00000	ZNF773	ZNF419B	zinc fing	protein-coding
chr2-2182	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	-16130	NM_001321	151306	Hs.160954	NM_170699	ENSG00000	GPBAR1	BG37|GPCR	G protein	protein-coding
chr20-390	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr20	3908079	3915753	+	0	NA	intron (N	intron (N	-5578	NR_029519	406896		NR_029519	ENSG00000	MIR103A2	MIR103-2|	microRNA	ncRNA
chr22-416	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr22	41622819	41632263	+	0	NA	intron (N	AluSx1|SI	6246	NM_001288	2547	Hs.292493	NM_001469	ENSG00000	XRCC6	CTC75|CTC	X-ray rep	protein-coding
chr3-1415	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr3	14155098	14173485	+	0	NA	intron (N	intron (N	14310	NR_148951	7508	Hs.475538	NM_004628	ENSG00000	XPC	RAD4|XP3|	XPC compl	protein-coding
chr3-4906	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr3	49062831	49066238	+	0	NA	intron (N	AluSx1|SI	29098	NM_001320	54870	Hs.297389	NM_017730	ENSG00000	QRICH1	AB-DIP|VE	glutamine	protein-coding
chr3-5009	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr3	50090640	50121009	+	0	NA	intron (N	intron (N	-4836	NR_045388	1.01E+08	Hs.439480	NR_045388	ENSG00000	RBM5-AS1	LUST	RBM5 anti	ncRNA
chr4-3890	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr4	38905489	38919635	+	0	NA	intron (N	AluSx3|SI	44530	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr5-1346	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	23180	NM_021982	10802	Hs.595540	NM_021982	ENSG00000	SEC24A	-	SEC24 hom	protein-coding
chr7-2331	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr7	23317088	23319094	+	0	NA	intron (N	MIRb|SINE	18752	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr8-3046	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr8	30469935	30471759	+	0	NA	intron (N	intron (N	-85446	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr9-1213	10.40014	0.045964	0.723821	0.063502	0.949366	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	MER3|DNA|	28503	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr17-424	11.82935	0.043617	0.68754	0.063439	0.949417	0.981636	chr17	42466981	42467180	+	0	NA	intron (N	AluY|SINE	8202	NM_005177	535	Hs.463074	NM_005177	ENSG00000	ATP6V0A1	ATP6N1|AT	ATPase H+	protein-coding
chr10-875	7.697199	-0.05489	0.865171	-0.06344	0.949417	0.981636	chr10	87518038	87518704	+	0	NA	intron (N	intron (N	10538	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr1-1989	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr1	19897506	19900324	+	0	NA	intron (N	AluJb|SIN	16520	NM_015207	23252	Hs.374987	NM_015207	ENSG00000	OTUD3	DUBA4	OTU deubi	protein-coding
chr13-454	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr13	45489916	45492704	+	0	NA	intron (N	intron (N	26371	NM_031431	83548	Hs.507948	NM_031431	ENSG00000	COG3	SEC34	component	protein-coding
chr3-1217	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	L2c|LINE|	-41019	NM_005335	3059	Hs.14601	NM_005335	ENSG00000	HCLS1	CTTNL|HS1	hematopoi	protein-coding
chr4-7882	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr4	78826154	78828131	+	0	NA	intron (N	MER21-int	50764	NM_198892	55589	Hs.146551	NM_017593	ENSG00000	BMP2K	BIKE|HRIH	BMP2 indu	protein-coding
chr5-9552	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr5	95521425	95523077	+	0	NA	exon (NM_	exon (NM_	32754	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1464	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	MIR|SINE|	16949	NM_006706	10915	Hs.443465	NM_006706	ENSG00000	TCERG1	CA150|TAF	transcrip	protein-coding
chr9-4701	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr9	4701995	4704593	+	0	NA	intron (N	L4_C_Mam|	22933	NM_001199	50808	Hs.732022	NM_016282	ENSG00000	AK3	AK3L1|AK6	adenylate	protein-coding
chr9-1300	7.914894	0.052407	0.826837	0.063382	0.949462	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	29702	NM_020960	57720	Hs.512461	NM_020960	ENSG00000	GPR107	GCDRP|LUS	G protein	protein-coding
chr1-3207	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr1	32076676	32080107	+	0	NA	intron (N	AluJb|SIN	5452	NM_001319	55116	Hs.25544	NM_018056	ENSG00000	TMEM39B	-	transmemb	protein-coding
chr10-777	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr10	7774825	7776451	+	0	NA	intron (N	intron (N	12355	NM_012311	22944	Hs.397918	NM_012311	ENSG00000	KIN	BTCD|KIN1	Kin17 DNA	protein-coding
chr10-475	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr10	47549106	47550654	+	0	NA	intron (N	AluJb|SIN	3620	NR_160414	1.14E+08	Hs.463017	NR_160414		BMS1P2-AC	-	BMS1P2-AC	pseudo
chr10-734	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr10	73465451	73466221	+	0	NA	intron (N	CR1-3_Cro	-29916	NR_132103	1.02E+08	Hs.434502	NR_132103	ENSG00000	PPP3CB-AS	USP54-AS1	PPP3CB ar	ncRNA
chr10-130	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr10	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	26007	NM_001321	10539	Hs.42644	NM_006541	ENSG00000	GLRX3	GLRX4|GRX	glutaredc	protein-coding
chr13-197	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr13	19754819	19755767	+	0	NA	intron (N	intron (N	27652	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-113	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	22039	NM_000705	496	Hs.434202	NM_000705	ENSG00000	ATP4B	ATP6B	ATPase H+	protein-coding
chr15-636	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr15	63658414	63660357	+	0	NA	intron (N	AluJr4|SI	-58558	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-989	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr15	98921570	98926798	+	0	NA	intron (N	intron (N	81472	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyroglute	protein-coding
chr15-101	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr15	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-6879	NM_018445	55829	Hs.32148	NM_018445	ENSG00000	SELENOS	AD-015|AD	selenopro	protein-coding
chr16-572	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr16	57207494	57209832	+	0	NA	intron (N	AluJb|SIN	22334	NM_001305	89970	Hs.460885	NM_133368	ENSG00000	RSPRY1	SEMDFA	ring fing	protein-coding
chr16-873	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr16	87398835	87406779	+	0	NA	intron (N	intron (N	10471	NM_022818	81631	Hs.356061	NM_022818	ENSG00000	MAP1LC3B	ATG8F|LC3	microtubu	protein-coding
chr17-185	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr17	1853241	1855317	+	0	NA	intron (N	intron (N	24274	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTC	replicati	protein-coding
chr17-324	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr17	32472092	32482217	+	0	NA	intron (N	intron (N	-9839	NM_003885	8851	Hs.500015	NM_003885	ENSG00000	CDK5R1	CDK5P35|C	cyclin de	protein-coding
chr17-826	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr17	82615248	82622117	+	0	NA	intron (N	AluJo|SIN	29762	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr19-522	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr19	52283396	52285852	+	0	NA	intron (N	MER21B|LT	2827	NR_030373	693228		NR_030373	ENSG00000	MIR643	MIRN643|h	microRNA	ncRNA
chr2-2303	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1ME3G|LI	9686	NM_001352	93349	Hs.589661	NM_138402	ENSG00000	SP140L	-	SP140 nuc	protein-coding
chr20-501	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr20	50122931	50130071	+	0	NA	intron (N	intron (N	-10544	NM_001257	7335	Hs.420529	NM_021988	ENSG00000	UBE2V1	CIR1|CROC	ubiquitin	protein-coding
chr21-332	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr21	33273539	33276117	+	0	NA	intron (N	Tigger1|D	8461	NM_000628	3588	Hs.654593	NM_000628	ENSG00000	IL10RB	CDW210B|C	interleuk	protein-coding
chr3-3733	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	37338667	37344129	+	0	NA	intron (N	intron (N	-44871	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr3-4540	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	45400557	45402163	+	0	NA	intron (N	AluJb|SIN	12784	NM_001368	23395	Hs.526975	NM_015340	ENSG00000	LARS2	HLASA|LEU	leucyl-tR	protein-coding
chr3-4691	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	46917481	46923012	+	0	NA	Intergeni	Intergeni	37997	NM_001184	5745	Hs.1019	NM_000316	ENSG00000	PTH1R	EKNS|PFE|	parathyrc	protein-coding
chr3-5333	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	53338032	53344271	+	0	NA	intron (N	intron (N	6392	NM_001290	55802	Hs.476353	NM_018403	ENSG00000	DCP1A	HSA275986	decapping	protein-coding
chr3-1293	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	6412	NR_002992	677797	Hs.711399	NR_002992	ENSG00000	SNORA7B	ACA7B	small nuc	snoRNA
chr3-1506	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	24179	NM_016275	51714	Hs.369052	NM_016275	ENSG00000	SELENOT	SELT	selenopro	protein-coding
chr3-1962	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	26007	NM_152672	200931	Hs.630585	NM_152672	ENSG00000	SLC51A	OSTA|OSTa	solute ca	protein-coding
chr3-1978	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	TTS (NM_C	TTS (NM_C	77610	NM_001134	84223	Hs.591675	NM_032263	ENSG00000	IQCG	CFAP122|D	IQ motif	protein-coding
chr5-1461	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	-13768	NM_001029	153770	Hs.162369	NM_001029	ENSG00000	PLAC8L1	-	PLAC8 lik	protein-coding
chr7-1075	8.442914	0.050584	0.798107	0.06338	0.949464	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSq2|SI	-7143	NM_001270	11062	Hs.97627	NM_181581	ENSG00000	DUS4L	DUS4|PP35	dihydrour	protein-coding
chr5-6991	14.3636	0.040388	0.637253	0.063378	0.949466	0.981636	chr5	69910940	69911480	+	0	NA	intron (N	AluSz|SIN	-7190	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr13-370	9.872123	0.047178	0.745408	0.063291	0.949535	0.981636	chr13	37015522	37017317	+	0	NA	intron (N	AluSc8|SI	15633	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr2-1279	9.872123	0.047178	0.745408	0.063291	0.949535	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	-56586	NM_001199	83607	Hs.546449	NM_031445	ENSG00000	AMMECR1L	-	AMMECR1 l	protein-coding
chr1-2869	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr1	28692961	28695277	+	0	NA	intron (N	L1ME4a|LI	25335	NM_006582	10691	Hs.632373	NM_006582	ENSG00000	GMEB1	P96PIF|PI	glucocort	protein-coding
chr11-200	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr11	20082315	20084095	+	0	NA	intron (N	intron (N	-33902	NR_046672	1.01E+08	Hs.557916	NR_046672	ENSG00000	NAV2-AS2	-	NAV2 anti	ncRNA
chr11-719	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr11	71968028	71970570	+	0	NA	intron (N	L1ME3F|LI	-29610	NM_001039	10068	Hs.591967	NM_005699	ENSG00000	IL18BP	IL18BPa	interleuk	protein-coding
chr12-110	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluYk4|SI	34343	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr13-480	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr13	48052773	48053424	+	0	NA	TTS (NR_1	TTS (NR_1	15372	NM_018283	55270	Hs.144407	NM_018283	ENSG00000	NUDT15	MTH2|NUDT	nudix hyc	protein-coding
chr14-516	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr14	51665269	51667059	+	0	NA	intron (N	intron (N	14254	NM_152330	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr17-480	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr17	48094992	48095517	+	0	NA	intron (N	intron (N	5932	NM_006807	10951	Hs.77254	NM_006807	ENSG00000	CBX1	CBX|HP1-E	chromobox	protein-coding
chr19-413	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr19	41313043	41313356	+	0	NA	intron (N	intron (N	2722	NM_001346	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-cc	protein-coding
chr19-481	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr19	48179259	48179959	+	0	NA	intron (N	intron (N	8929	NM_199341	374920	Hs.664054	NM_199341	ENSG00000	ZSWIM9	C19orf68	zinc fing	protein-coding
chr2-6947	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr2	69478365	69479029	+	0	NA	intron (N	AluJb|SIN	-41069	NM_001002	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr20-619	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr20	61997673	61998073	+	0	NA	intron (N	intron (N	-44211	NR_031658	1E+08		NR_031658	ENSG00000	MIR1257	MIRN1257|	microRNA	ncRNA
chr3-1415	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr3	14153203	14153911	+	0	NA	intron (N	L1MB3|LIN	25044	NR_148951	7508	Hs.475538	NM_004628	ENSG00000	XPC	RAD4|XP3|	XPC compl	protein-coding
chr3-4763	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr3	47635111	47636498	+	0	NA	intron (N	intron (N	25890	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr5-6603	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr5	66038846	66040802	+	0	NA	intron (N	intron (N	-94251	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homc	pseudo
chr5-7848	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr5	78488228	78489507	+	0	NA	3’ UTR (N	3’ UTR (N	128250	NM_004866	9522	Hs.482587	NM_004866	ENSG00000	SCAMP1	SCAMP|SCA	secretory	protein-coding
chr8-3040	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr8	30408849	30413033	+	0	NA	intron (N	AluJo|SIN	-25540	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr8-3811	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chr8	38114819	38115497	+	0	NA	intron (N	intron (N	9365	NM_001105	9070	Hs.521530	NM_004674	ENSG00000	ASH2L	ASH2|ASH2	ASH2 like	protein-coding
chrX-4745	6.212985	-0.05836	0.923539	-0.06319	0.949614	0.981636	chrX	47455738	47456310	+	0	NA	intron (N	intron (N	11645	NM_001324	7592	Hs.496074	NM_007130	ENSG00000	ZNF41	MRX89	zinc fing	protein-coding
chr3-1293	5.486501	0.062176	0.984813	0.063135	0.949659	0.981636	chr3	12935792	12936510	+	0	NA	exon (NM_	exon (NM_	31579	NM_014869	9922	Hs.475506	NM_014869	ENSG00000	IQSEC1	ARF-GEP1C	IQ motif	protein-coding
chr9-8845	5.486501	0.062176	0.984813	0.063135	0.949659	0.981636	chr9	88450654	88451051	+	0	NA	intron (N	intron (N	62408	NM_006717	10927	Hs.146804	NM_006717	ENSG00000	SPIN1	SPIN|TDRD	spindlin	protein-coding
chr1-1916	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr1	19163645	19188783	+	0	NA	intron (N	AluSz|SIN	34052	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr1-2374	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr1	23749471	23761484	+	0	NA	intron (N	intron (N	12111	NM_003198	6924	Hs.15535	NM_003198	ENSG00000	ELOA	SIII|SIII	elongin A	protein-coding
chr1-3628	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr1	36286048	36290243	+	0	NA	intron (N	intron (N	-18223	NM_001162	79729	Hs.524496	NM_024676	ENSG00000	SH3D21	C1orf113	SH3 domai	protein-coding
chr1-1715	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-27383	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-1787	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA2|LIN	53286	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr16-225	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr16	2252894	2264206	+	0	NA	intron (N	AluSx1|SI	-6963	NM_001919	1632	Hs.403436	NM_001919	ENSG00000	ECI1	DCI	enoyl-CoA	protein-coding
chr16-214	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr16	21478341	21480288	+	0	NA	intron (N	intron (N	-22212	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homc	pseudo
chr4-3892	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr4	38925977	38939748	+	0	NA	intron (N	AluSc|SIN	64830	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-7595	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr4	75954454	75970339	+	0	NA	intron (N	L1PA5|LIN	-18394	NR_125906	1.02E+08	Hs.637575	NR_125906	ENSG00000	LOC101928	-	uncharact	ncRNA
chr5-4762	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr5	47626449	47627365	+	0	NA	Intergeni	ALR/Alpha	-1930527	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-3441	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr6	34416540	34424983	+	0	NA	intron (N	AluY|SINE	5308	NM_001204	6204	Hs.406620	NM_001014	ENSG00000	RPS10	DBA9|S10	ribosomal	protein-coding
chr7-4976	10.87917	0.044687	0.708828	0.063044	0.949732	0.981636	chr7	4976424	4979980	+	0	NA	intron (N	AluSz|SIN	4217	NR_023385	441191	Hs.520636	NR_015449	ENSG00000	RNF216P1	RNF216L|h	ring fing	pseudo
chr1-4497	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr1	44979799	44980770	+	0	NA	intron (N	AluSc8|SI	6311	NM_020365	8891	Hs.533549	NM_020365	ENSG00000	EIF2B3	EIF-2B|EI	eukaryoti	protein-coding
chr1-2042	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-59085	NM_198447	127845	Hs.532401	NM_198447	ENSG00000	GOLT1A	CGI-141|C	golgi tra	protein-coding
chr10-157	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr10	15777072	15777963	+	0	NA	TTS (NM_C	TTS (NM_C	-57182	NM_001291	8516	Hs.171311	NM_003638	ENSG00000	ITGA8	-	integrin	protein-coding
chr11-118	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx|SIN	20263	NM_001257	1656	Hs.408461	NM_004397	ENSG00000	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr12-101	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-24149	NR_049838	1.01E+08		NR_049838	ENSG00000	MIR548AQ	-	microRNA	ncRNA
chr14-963	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr14	96340322	96341530	+	0	NA	intron (N	AluJo|SIN	22415	NM_018036	55102	Hs.168241	NM_018036	ENSG00000	ATG2B	C14orf103	autophagy	protein-coding
chr17-160	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr17	16087045	16087722	+	0	NA	intron (N	intron (N	65813	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr18-622	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr18	62234385	62236090	+	0	NA	non-codir	non-codir	47982	NR_144412	57614	Hs.465323	NM_020854	ENSG00000	RELCH	HsT3308|H	RAB11 bir	protein-coding
chr21-323	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr21	32358851	32360036	+	0	NA	intron (N	intron (N	17879	NR_002996	677846	Hs.712293	NR_002996	ENSG00000	SNORA80A	ACA67|SNC	small nuc	snoRNA
chr22-466	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr22	46691081	46693273	+	0	NA	intron (N	AluSq2|SI	46075	NM_022766	64781	Hs.200668	NM_022766	ENSG00000	CERK	LK4|dA59H	ceramide	protein-coding
chr3-1146	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr3	1.15E+08	1.15E+08	+	0	NA	intron (N	L1PA2|LIN	-37748	NM_001164	26137	Hs.202577	NM_015642	ENSG00000	ZBTB20	DPZF|HOF|	zinc fing	protein-coding
chr5-1820	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr5	1820433	1821196	+	0	NA	Intergeni	Intergeni	19407	NM_004553	4726	Hs.408257	NM_004553	ENSG00000	NDUFS6	CI-13kA|C	NADH:ubic	protein-coding
chr5-3211	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr5	32119471	32121203	+	0	NA	Intergeni	L1MC5|LIN	53982	NM_022130	64083	Hs.408909	NM_022130	ENSG00000	GOLPH3	GOPP1|GPP	golgi phc	protein-coding
chr6-4354	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr6	43547554	43548173	+	0	NA	intron (N	intron (N	28175	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr9-3241	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr9	32414118	32417077	+	0	NA	intron (N	intron (N	30954	NM_001362	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEL	aconitase	protein-coding
chr9-1284	6.964707	0.055138	0.874695	0.063036	0.949738	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluJr|SIN	8777	NM_016174	51148	Hs.495230	NM_016174	ENSG00000	CERCAM	CEECAM1|C	cerebral	protein-coding
chr1-7473	6.907852	0.057423	0.911759	0.062981	0.949782	0.981636	chr1	74738002	74738248	+	0	NA	intron (N	intron (N	-4717	NM_001130	1429	Hs.83114	NM_001889	ENSG00000	CRYZ	-	crystalli	protein-coding
chr7-9232	8.572965	-0.05083	0.807923	-0.06292	0.949831	0.981636	chr7	92329020	92329219	+	0	NA	intron (N	AluSx|SIN	-83019	NM_001350	889	Hs.531987	NM_004912	ENSG00000	KRIT1	CAM|CCM1	KRIT1 ank	protein-coding
chr8-6565	8.572965	-0.05083	0.807923	-0.06292	0.949831	0.981636	chr8	65650248	65650447	+	0	NA	intron (N	AluSg7|SI	5613	NM_014637	9650	Hs.584788	NM_014637	ENSG00000	MTFR1	CHPPR|FAM	mitochonc	protein-coding

chr19-498	6.436688	0.057858	0.919972	0.062891	0.949854	0.981636	chr19	49836861	49837728	+	0	NA	TTS (NM_	TTS (NM_	5276	NR_106858	1.02E+08		NR_106858	ENSG0000	MIR6800	hsa-mir-6	microRNA	ncRNA
chr20-639	6.436688	0.057858	0.919972	0.062891	0.949854	0.981636	chr20	63927008	63927242	+	0	NA	intron (N	L1MD|LINE	7257	NR_030639	1E+08		NR_030639	ENSG0000	MIR941-3	MIRN941-3	microRNA	ncRNA
chr3-3734	6.436688	0.057858	0.919972	0.062891	0.949854	0.981636	chr3	37349554	37350408	+	0	NA	intron (N	intron (N	-36288	NM_178344	339883	Hs.475945	NM_178339	ENSG0000	C3orf35	APRG1	chromosom	protein-coding
chr3-1192	6.436688	0.057858	0.919972	0.062891	0.949854	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-2102	NR_046574	1.01E+08	Hs.721307	NR_046574	ENSG0000	B4GALT4-A	-	B4GALT4 a	ncRNA
chr9-3439	4.958481	0.066878	1.063638	0.062876	0.949865	0.981636	chr9	34397145	34397541	+	0	NA	TTS (NM_	TTS (NM_	467	NM_032596	84688	Hs.50334	NM_032596	ENSG0000	C9orf24	CBE1|NYD-	chromosom	protein-coding
chr9-1377	8.191938	-0.05466	0.869566	-0.06286	0.949874	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	-2485	NR_147508	651337	Hs.603195	NR_147508	ENSG0000	LOC651337	-	uncharact	ncRNA
chr1-5320	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr1	53200802	53207116	+	0	NA	intron (N	HAL1|LINE	7135	NM_000098	1376	Hs.713535	NM_000098	ENSG0000	CPT2	CPT1|CPTA	carnitine	protein-coding
chr1-1002	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	intron (N	-4318	NR_030279	693138		NR_030279	ENSG0000	MIR553	MIRN553|h	microRNA	ncRNA
chr10-811	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr10	811956	817491	+	0	NA	exon (NM_	exon (NM_	116982	NM_001351	23185	Hs.159069	NM_015155	ENSG0000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-109	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	(AG)n|Sim	41676	NM_001324	7511	Hs.390623	NM_020383	ENSG0000	XPNPEP1	APP1|SAMF	X-prolyl	protein-coding
chr10-119	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L1MC4|LIN	25737	NM_024834	79892	Hs.124246	NM_024834	ENSG0000	MCMBP	C10orf119	minichrom	protein-coding
chr11-600	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr11	600797	604240	+	0	NA	intron (N	AluSq2|SI	13432	NM_004029	3665	Hs.166120	NM_001572	ENSG0000	IRF7	IMD39|IRF	interferc	protein-coding
chr11-467	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr11	46745679	46755690	+	0	NA	intron (N	intron (N	2508	NR_049846	1.01E+08		NR_049846	ENSG0000	MIR5582	-	microRNA	ncRNA
chr11-643	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr11	64360601	64364468	+	0	NA	intron (N	intron (N	3372	NM_001006	8986	Hs.105584	NM_003942	ENSG0000	RPS6KA4	MSK2|RSK-	ribosomal	protein-coding
chr12-101	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr12	1.01E+08	1.01E+08	+	0	NA	Intergeni	L1PA3|LIN	17613	NM_001177	400	Hs.372616	NM_001177	ENSG0000	ARL1	ARFL1	ADP ribos	protein-coding
chr12-105	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	14692	NM_001034	160428	Hs.42572	NM_001034	ENSG0000	ALDH1L2	mtFDH	aldehyde	protein-coding
chr12-122	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	5091	NM_003677	8562	Hs.22393	NM_003677	ENSG0000	DENR	DRP|DRP1|	density r	protein-coding
chr13-238	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr13	23822045	23828059	+	0	NA	intron (N	intron (N	-63816	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr13-454	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr13	45493396	45499494	+	0	NA	intron (N	AluJb|SIN	31506	NM_031431	83548	Hs.507948	NM_031431	ENSG0000	COG3	SEC34	component	protein-coding
chr13-491	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr13	49186042	49189454	+	0	NA	intron (N	(TTTT)n|S	-32590	NM_001507	2862	Hs.248126	NM_001507	ENSG0000	MLNR	GPR38|MTL	motilin r	protein-coding
chr13-111	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	34667	NM_001354	8874	Hs.508738	NM_003899	ENSG0000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr14-962	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr14	96236258	96245371	+	0	NA	exon (NM_	exon (NM_	-15396	NM_000710	623	Hs.525572	NM_000710	ENSG0000	BDKRB1	B1BKR|B1F	bradykini	protein-coding
chr15-398	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr15	39800941	39801915	+	0	NA	exon (NM_	exon (NM_	18522	NR_135665	1.05E+08	Hs.587843	NR_135665	ENSG0000	LOC10537	-	uncharact	ncRNA
chr15-596	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr15	59668032	59682520	+	0	NA	intron (N	intron (N	13650	NM_001320	663	Hs.592515	NM_004330	ENSG0000	BNIP2	BNIP-2|NI	BCL2 inte	protein-coding
chr15-651	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr15	65149156	65155899	+	0	NA	non-codir	non-codir	-18719	NM_005707	10081	Hs.458596	NM_005707	ENSG0000	PDCD7	ES18|HES1	programme	protein-coding
chr16-118	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr16	11843843	11849933	+	0	NA	intron (N	intron (N	4654	NM_015659	26156	Hs.401842	NM_015659	ENSG0000	RSL1D1	CSIG|L12|	ribosomal	protein-coding
chr16-236	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr16	23658390	23662692	+	0	NA	intron (N	L2a|LINE|	-18348	NM_005030	5347	Hs.592049	NM_005030	ENSG0000	PLK1	PLK|STPK1	polo like	protein-coding
chr16-693	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr16	69314681	69327119	+	0	NA	intron (N	intron (N	9550	NM_013245	27183	Hs.128420	NM_013245	ENSG0000	VPS4A	SKD1|SKD1	vacuolar	protein-coding
chr17-479	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	4797483	4799112	+	0	NA	exon (NM_	exon (NM_	2133	NM_002798	5694	Hs.77060	NM_002798	ENSG0000	PSMB6	DELTA|LMF	proteason	protein-coding
chr17-658	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	6582570	6589943	+	0	NA	intron (N	MSTA|LTR|	-29701	NM_001165	83394	Hs.183983	NM_031220	ENSG0000	PITPNM3	ACKR6|COF	PITPNM fa	protein-coding
chr17-319	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	31988519	31999543	+	0	NA	intron (N	intron (N	-13352	NM_001321	114659	Hs.514071	NM_052888	ENSG0000	LRRC37B	LRRC37	leucine r	protein-coding
chr17-395	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	39509036	39512481	+	0	NA	intron (N	AluSp|SIN	49272	NM_015083	51755	Hs.345028	NM_015083	ENSG0000	CDK12	CRK7|CRKF	cyclin de	protein-coding
chr17-429	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	42954211	42958745	+	0	NA	exon (NM_	exon (NM_	7976	NM_001261	80755	Hs.317403	NM_001261	ENSG0000	AARSD1	-	alanyl-t	protein-coding
chr17-489	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	48929578	48939669	+	0	NA	intron (N	AluJr|SIN	10219	NM_001317	11267	Hs.127249	NM_007241	ENSG0000	SNF8	Dot3|EAP3	SNF8 subu	protein-coding
chr17-600	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	60051265	60059788	+	0	NA	exon (NM_	exon (NM_	-12421	NR_039890	1.01E+08		NR_039890	ENSG0000	MIR4737	-	microRNA	ncRNA
chr17-604	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	60455903	60466572	+	0	NA	intron (N	AluSx|SIN	38748	NM_181707	124773	Hs.129312	NM_181707	ENSG0000	C17orf64	-	chromosom	protein-coding
chr17-620	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr17	62027813	62033677	+	0	NA	intron (N	intron (N	34533	NM_005121	9969	Hs.282678	NM_005121	ENSG0000	MED13	ARC250|DF	mediator	protein-coding
chr2-3974	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	39748633	39751962	+	0	NA	intron (N	L1PA11|LI	28961	NM_025264	80745	Hs.468254	NM_025264	ENSG0000	THUMPD2	C2orf8	THUMP dom	protein-coding
chr2-5462	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	54625867	54633574	+	0	NA	exon (NM_	exon (NM_	71326	NM_178313	6711	Hs.503178	NM_003128	ENSG0000	SPTBN1	ELF|HEL10	spectrin	protein-coding
chr2-5586	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	55869828	55875812	+	0	NA	intron (N	intron (N	50962	NM_001039	2202	Hs.76224	NM_004105	ENSG0000	EFEMP1	DHRD|DRAI	EGF conta	protein-coding
chr2-6507	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	65079803	65085216	+	0	NA	intron (N	intron (N	26093	NM_001319	23177	Hs.709257	NM_015147	ENSG0000	CEP68	KIAA0582	centrosom	protein-coding
chr2-7113	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	71134038	71140567	+	0	NA	intron (N	L1M5|LINE	6668	NM_005791	10199	Hs.656208	NM_005791	ENSG0000	MPHOSPH10	CT90|MPP1	M-phase p	protein-coding
chr2-1018	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-107910	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr2-1897	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	8441	NM_001371388								
chr2-2416	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	CpG	19823	NR_033255	1841	Hs.471873	NM_012145	ENSG0000	DTYMK	CDC8|PP37	deoxythym	protein-coding
chr22-352	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr22	35284454	35291604	+	0	NA	intron (N	MER58C|DN	-11246	NM_001135	10043	Hs.474705	NM_005488	ENSG0000	TOM1	-	target of	protein-coding
chr22-378	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr22	37850662	37857900	+	0	NA	intron (N	L2a|LINE|	4862	NM_001363	51386	Hs.446852	NM_016091	ENSG0000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr22-428	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr22	42821384	42834228	+	0	NA	intron (N	AluJo|SIN	29467	NM_014570	26286	Hs.685225	NM_014570	ENSG0000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-4122	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr3	41223899	41228298	+	0	NA	intron (N	MER1B|DNA	26593	NM_001098	1499	Hs.476018	NM_001904	ENSG0000	CTNNB1	CTNNB|EVF	catenin b	protein-coding
chr3-1137	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSx|SIN	-40657	NM_017577	54762	Hs.24583	NM_017577	ENSG0000	GRAMD1C	-	GRAM doma	protein-coding
chr3-1723	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	85550	NM_004122	2693	Hs.130212	NM_004122	ENSG0000	GHSR	GHDP	growth hc	protein-coding
chr4-1334	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr4	1334633	1341401	+	0	NA	intron (N	intron (N	-9191	NM_020894	57654	Hs.380475	NM_020894	ENSG0000	UVSSA	KIAA1530|	UV stimul	protein-coding
chr4-6767	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr4	67672436	67678577	+	0	NA	intron (N	AluSx|SIN	25649	NM_018227	55236	Hs.212774	NM_018227	ENSG0000	UBA6	E1-L2|MOF	ubiquitir	protein-coding
chr5-1380	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	MIR|SINE|	-24281	NR_037900	1E+08	Hs.616629	NR_037900		LOC10013	-	uncharact	ncRNA
chr5-1547	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-27235	NR_039667	1.01E+08		NR_039667	ENSG0000	MIR378H	-	microRNA	ncRNA
chr6-3104	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	3104118	3107075	+	0	NA	exon (NM_	exon (NM_	-12780	NR_026649	670	Hs.10136	NM_004332	ENSG0000	BPHL	BPH-RP|MC	biphenyl	protein-coding
chr6-4263	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	42632517	42634915	+	0	NA	intron (N	AluSx1|SI	69687	NM_001184	23304	Hs.529925	NM_015255	ENSG0000	UBR2	C6orf133|	ubiquitir	protein-coding
chr6-8754	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	87547446	87549821	+	0	NA	exon (NM_	exon (NM_	41354	NM_020320	57038	Hs.485910	NM_020320	ENSG0000	RARS2	ArgRS|DAI	arginyl-t	protein-coding
chr6-1113	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	90232	NM_153369	91749	Hs.400572	NM_153369	ENSG0000	MFSD4B	KIAA1919|	major fac	protein-coding
chr6-1224	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	18929	NM_020755	57515	Hs.146668	NM_020755	ENSG0000	SERINC1	TDE1L|TDE	serine ir	protein-coding
chr6-1596	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	TTS (NM_	TTS (NM_	14853	NM_001024	6648	Hs.487046	NM_000636	ENSG0000	SOD2	IPO-B|IPC	superoxic	protein-coding
chr6-1596	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	8927	NM_001024	6648	Hs.487046	NM_000636	ENSG0000	SOD2	IPO-B|IPC	superoxic	protein-coding
chr7-7349	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	73491358	73494433	+	0	NA	exon (NM_	exon (NM_	29398	NM_032408	9031	Hs.743372	NM_023005	ENSG0000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-7351	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	73514421	73517383	+	0	NA	intron (N	AluSz|SIN	6391	NM_032408	9031	Hs.743372	NM_023005	ENSG0000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-7356	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	73568981	73576073	+	0	NA	intron (N	FRAM|SINE	5860	NM_001362	26608	Hs.647044	NM_012453	ENSG0000	TBL2	WBSCR13|W	transduci	protein-coding
chr7-9934	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	99345751	99360590	+	0	NA	intron (N	(TTATG)n|	-21560	NM_005720	10095	Hs.489284	NM_005720	ENSG0000	ARPC1B	ARC41|PLT	actin rel	protein-coding
chr7-1000	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSg|SIN	-2480	NR_029831	406900		NR_029831	ENSG0000	MIR106B	MIRN106B|	microRNA	ncRNA
chr7-1008	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	MIRb|SINE	-10588	NM_001363	56996	Hs.521087	NM_020246	ENSG0000	SLC12A9	CCC6|CIP1	solute ca	protein-coding
chr7-1521	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	106007	NM_001371474								
chr8-2021	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr8	20214910	20217525	+	0	NA	intron (N	MER3|DNA|	18836	NM_001693	526	Hs.295917	NM_001693	ENSG0000	ATP6V1B2	ATP6B1B2|	ATPase H+	protein-coding
chr8-2261	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr8	22617484	22621457	+	0	NA	TTS (NM_	TTS (NM_	14428	NM_001363	57805	Hs.744848	NM_021174	ENSG0000	CCAR2	DBC-1|DBC	cell cycl	protein-coding
chr8-1084	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr8	1.08E+08	1.08E+08	+	0	NA	intron (N	THE1B-int	14377	NM_014673	9694	Hs.654351	NM_014673	ENSG0000	EMC2	KIAA0103|	ER membra	protein-coding
chr9-1329	8.921936	0.048791	0.776207	0.062859	0.949879	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	22393	NM_001362	7248	Hs.370854	NM_000368	ENSG0000	TSC1	LAM|TSC	TSC compl	protein-coding
chr10-609	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr10	6097283	6098927	+	0	NA	intron (N	intron (N	8759	NM_001145	84991	Hs.498548	NM_032905	ENSG0000	RBM17	SPF45	RNA bindi	protein-coding
chr12-644	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr12	64483217	64484397	+	0	NA	intron (N	AluSz6|SI	31687	NM_013254	29110	Hs.505874	NM_013254	ENSG0000	TBK1	FTDALS4|I	TANK binc	protein-coding
chr12-928	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr12	92877582	92878009	+	0	NA	intron (N	AluSx3|SI	51500	NM_003566	8411	Hs.567367	NM_003566	ENSG0000	EEA1	MST105|MS	early enc	protein-coding
chr16-208	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr16	20893896	20894726	+	0	NA	intron (N	MamRTE1|I	-5571	NM_020424	57149	Hs.745012	NM_020424	ENSG0000	LYRM1	A211C6.1	LYR motif	protein-coding
chr19-342	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr19	34201392	34202104	+	0	NA	intron (N	intron (N	29244	NM_001114	26065	Hs.744009	NM_015578	ENSG0000	LSM14A	C19orf13|	LSM14A m	protein-coding
chr2-2892	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr2	28926711	28927745	+	0	NA	promoter-	promoter-	161	NR_002741	26796		NR_002741	ENSG0000	SNORD53	RNU53|SNC	small nuc	snoRNA
chr3-3736	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr3	37360220	37360855	+	0	NA	intron (N	intron (N	-25732	NM_178344	339883	Hs.475945	NM_178339	ENSG0000	C3orf35	APRG1	chromosom	protein-coding
chr3-4856	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr3	48568294	48568601	+	0	NA	intron (N	intron (N	-4666	NM_033199	90226	Hs.631914	NM_033199	ENSG0000	UCN2	SRP|UCN-I	urocortir	protein-coding
chr4-1221	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	Intergeni	L2|LINE|L	-14528	NM_015312	84162	Hs.408142	NM_015312	ENSG0000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-7776	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr5	77760792	77761504	+	0	NA	intron (N	SVA_A|Ret	15191	NM_001297	6902	Hs.291212	NM_004607	ENSG0000	TBCA	-	tubulin f	protein-coding
chr8-2776	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr8	27760625	27761312	+	0	NA	intron (N	AluSq2|SI	11672	NR_156432	55246	Hs.445512	NM_018246	ENSG0000	CCDC25	-	coiled-cc	protein-coding
chr9-3398	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chr9	33984980	33986829	+	0	NA	intron (N	AluSz6|SI	-33050	NR_003685	1E+08		NR_003685	ENSG0000	SNORD121A	-	small nuc	snoRNA
chrX-7459	7.145606	-0.0542	0.864664	-0.06268	0.950023	0.981636	chrX	74591536	74592283	+	0	NA	exon (NM_	exon (NM_	22715	NM_183353	51132	Hs.653288	NM_016120	ENSG0000	RLIM	MRX61|NY-	ring fing	protein-coding
chr12-144	8.621962	-0.05032	0.802886	-0.06267	0.950029	0.981636	chr12	14448328	14448672	+	0	NA	intron (N	L1MD2|LIN	63219	NM_181352	55729	Hs.504856	NM_018179	ENSG0000	ATF7IP	AM|ATF-IF	activatir	protein-coding
chr9-8600	4.487317	0.068451	1.094443	0.062544	0.95013	0.981636	chr9	86001948	86002691	+	0	NA	intron (N	L1PREC2|I	60790	NM_001321	60560	Hs.436098	NM_021929	ENSG0000	NAA35	EGAP|MAK1	N(alpha)-	protein-coding
chr5-8740	11.35819	0.043509	0.695866	0.062524	0.950145	0.981636	chr5	87400902	87402097	+	0	NA	intron (N	intron (N	11405	NM_001199	902	Hs.292524	NM_001239	ENSG0000	CCNH	CAK|CycH|	cyclin H	protein-coding
chr6-5649	11.35819	0.043509	0.695866	0.062524	0.950145	0.981636	chr6	56495756	56499018	+	0	NA	exon (NM_	exon (NM_	-103259	NM_001318	81578	Hs.47629	NM_030820	ENSG0000	COL21A1	COLA1L|FF	collagen	protein-coding
chr8-1254	11.35819	0.043509	0.695866	0.062524	0.950145	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	5391	NM_001282	10221	Hs.444947	NM_025195	ENSG0000	TRIB1	C8FW|GIG-	tribbles	protein-coding
chr15-898	10.35115	0.045772	0.732694	0.06247	0.950188	0.981636	chr15	89834357	89835516	+	0	NA	non-codir	non-codir	15785	NR_049817	1.01E+08		NR_049817	ENSG0000	MIR5094	-	microRNA	ncRNA
chr1-1791	8.393917	0.050419	0.807566	0.062433	0.950218	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	(TG)n|Sim	12341	NM_005158	27	Hs.159472	NM_005158	ENSG0000	ABL2	ABLL|ARG	ABL protc	protein-coding
chr2-7139	8.393917	0.050419	0.807566	0.062433	0.950218	0.981636	chr2	71395352	71395591	+	0	NA	intron (N	LTR22E|LT	-58090	NM_001130	8291	Hs.252180	NM_003494	ENSG0000	DYSF	FER1L1|LC	dysferlir	protein-coding
chr9-9636	8.393917	0.050419	0.807566	0.062433	0.950218	0.981636	chr9	96362885	96364347	+	0	NA	intron (N	intron (N	20094	NR_104627	11046	Hs.494556	NM_007001	ENSG0000	SLC35D2	HFRC1|SQV	solute ca	protein-coding
chr1-1110	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	11106455	11107041	+	0	NA	3’ UTR (N	3’ UTR (N	6729	NR_135063	1.05E+08	Hs.634965	NR_135061	ENSG0000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-1639	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	16395252	16396394	+	0	NA	non-codir	non-codir	28581	NR_073501	26099	Hs.252967	NM_001114	ENSG0000	SZRD1	C1orf144	SUZ RNA b	protein-coding
chr1-3753	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	37538068	37540907	+	0	NA	intron (N	AluSg|SIN	14806	NM_024700	79753	Hs.47232	NM_024700	ENSG0000	SNIP1	PML1|PMRE	Smad nucl	protein-coding
chr1-5193	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	51931900	51933895	+	0	NA	intron (N	L4_A_Mam|	-53960	NM_002525	4898	Hs.584782	NM_002525	ENSG0000	NRDC	NRD1|hNRI	nardilysi	protein-coding
chr1-9326	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	93262542	93264052	+	0	NA	intron (N	THE1D-int	82514	NR_034089	1E+08	Hs.732666	NR_034089		CCDC18-AS	-	CCDC18 ar	ncRNA
chr1-2112	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	Charlie2b	5390	NM_018254	55758	Hs.356399	NM_018254	ENSG0000	RCOR3	-	REST core	protein-coding
chr11-108	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA7|LIN	33207	NM_001351	472	Hs.367437	NM_000051	ENSG0000	ATM	AT1|ATA|A	ATM serir	protein-coding
chr12-144	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr12	14480614	14486348	+	0	NA	TTS (NM_	TTS (NM_	-84251	NR_120465	1.02E+08	Hs.131933	NR_120465	ENSG0000	PLBD1-AS1	-	PLBD1 ant	ncRNA
chr12-486	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr12	48690614	48693927	+	0	NA	3’ UTR (N	3’ UTR (N	-10032	NM_017822	54934	Hs.505412	NM_017822	ENSG0000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr12-952	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr12	95294309	95297161	+	0	NA	intron (N	intron (N	-12685	NR_029895	442903		NR_029895	ENSG0000	MIR331	MIRN331|h	microRNA	ncRNA
chr13-450	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr13	45025547	45027540	+	0	NA	intron (N	Charlie2b	37005	NM_018559	55425	Hs.731811	NM_018559	ENSG0000	GPALPP1	AD029|KIA	GPALPP mc	protein-coding
chr14-644	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr14	64485533	64489259	+	0	NA	exon (NM_	exon (NM_	10596	NM_001354	7597	Hs.654571	NM_006977	ENSG0000	ZBTB25	C14orf51|	zinc fing	protein-coding
chr14-104	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	CpG	20082	NM_021709	10572	Hs.112058	NM_006427	ENSG0000	SIVA1	CD27BP|SI	SIVA1 apc	protein-coding
chr15-735	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr15	73583964	73587527	+	0	NA	intron (N	MIRc|SINE	-16202	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG0000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr17-401	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr17	40149497	40154392	+	0	NA	intron (N	L1MA9|LIN	-9989	NR_106926	1.02E+08		NR_106926	ENSG0000	MIR6866	hsa-mir-6	microRNA	ncRNA
chr19-117	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr19	11772319	11772682	+	0	NA	intron (N	L1MB4|LIN	5500	NM_152355	126068	Hs.675132	NM_152355	ENSG0000	ZNF441	-	zinc fing	protein-coding
chr19-493	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr19	49357896	49359404	+	0	NA	intron (N	AluSc5|SI	2867	NM_001256	8463	Hs.515534	NM_003598	ENSG0000	TEAD2	ETF|TEAD-	TEA domai	protein-coding
chr2-3726	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr2	37267788	37270081	+	0	NA	intron (N	L2a|LINE|	37276	NR_146408	55471	Hs.433466	NM_018607	ENSG0000	NDUFAF7	C2orf56|M	NADH:ubic	protein-coding
chr2-1342	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	5’ UTR (N	5’ UTR (N	280	NM_002410	4249	Hs.4988	NM_002410	ENSG0000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr21-175	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr21	17596319	17598797	+	0	NA	intron (N	L1ME4b|LI	-14128	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG0000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr22-303	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr22	30348206	30353419	+	0	NA	intron (N	intron (N	-5812	NM_001318	550631	Hs.505597	NM_001017	ENSG0000	CCDC157	-	coiled-cc	protein-coding
chr3-1425	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	exon (NM_	exon (NM_	24823	NM_001184	545	Hs.271791	NM_001184	ENSG0000	ATR	FCTCS|FRF	ATR serir	protein-coding
chr3-1829	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	33900	NM_020640	54165	Hs.592789	NM_020640	ENSG0000	DCUN1D1	DCNL1|DCU	defective	protein-coding
chr5-1353	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MEd|LIN	16662	NM_138609	9555	Hs.420272	NM_004893	ENSG0000	H2AFY	H2A.y|H2A	H2A histc	protein-coding
chr5-1722	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	17823	NM_001171	285588	Hs.716824	NM_001171	ENSG0000	EFCAB9	-	EF-hand c	protein-coding
chr7-6124	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr7	6124037	6124743	+	0	NA	intron (N	AluSx4|SI	19441	NM_032172	84132	Hs.31856	NM_032172	ENSG0000	USP42	-	ubiquitir	protein-coding
chr7-8732	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr7	87327558	87330640	+	0	NA	intron (N	LTR25-int	16393	NR_015381	11257	Hs.274329	NM_007233	ENSG0000	TP53TG1	LINC00096	TP53 targ	ncRNA
chr7-1284	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	6514	NM_018396	55798	Hs.433213	NM_018396	ENSG0000	METTL2B	METL|METT	methyltra	protein-coding

chr7-1285	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	L1MEg|LIN	-55593	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr9-4720	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr9	4720619	4723136	+	0	NA	intron (N	intron (N	4350	NM_001199	50808	Hs.732022	NM_016282	ENSG00000	AK3	AK3L1|AK6	adenylate	protein-coding
chr9-3391	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr9	33916058	33919642	+	0	NA	3’ UTR (N	3’ UTR (N	16514	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr9-1283	7.44373	0.052699	0.845638	0.062318	0.950309	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	2954	NM_016035	51117	Hs.98541	NM_016035	ENSG00000	COQ4	CGI-92|CO	coenzyme	protein-coding
chr1-7023	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr1	70230750	70235313	+	0	NA	intron (N	intron (N	11651	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-7023	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr1	70238651	70247901	+	0	NA	intron (N	MER8|DNA|	21896	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-1126	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-9941	NM_001286	4343	Hs.514941	NM_020963	ENSG00000	MOV10	fSAP113|g	Mov10 RIS	protein-coding
chr1-1625	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	21770	NM_175866	127933	Hs.127310	NM_144624	ENSG00000	UHMK1	KIS|KIST|	U2AF homo	protein-coding
chr1-1791	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	exon (NM_	exon (NM_	24357	NM_005158	27	Hs.159472	NM_005158	ENSG00000	ABL2	ABLL|ARG	ABL proto	protein-coding
chr10-121	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr10	12136417	12140040	+	0	NA	intron (N	intron (N	-7412	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr10-271	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr10	27110362	27118292	+	0	NA	intron (N	intron (N	-13829	NM_014915	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr10-460	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr10	46007262	46017191	+	0	NA	intron (N	L1ME4c|LI	7311	NM_001145	8031	Hs.643658	NM_005437	ENSG00000	NCOA4	ARA70|ELE	nuclear r	protein-coding
chr10-976	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr10	97644025	97645440	+	0	NA	intron (N	MLT1J|LTR	4046	NM_018425	55361	Hs.25300	NM_018425	ENSG00000	PI4K2A	PI4KII|PI	phosphati	protein-coding
chr11-107	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr11	10752937	10760997	+	0	NA	intron (N	intron (N	5721	NM_001346	9646	Hs.725151	NM_014633	ENSG00000	CTR9	SH2BP1|TS	CTR9 homo	protein-coding
chr11-107	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr11	10762262	10770638	+	0	NA	exon (NM_	exon (NM_	15204	NM_001346	9646	Hs.725151	NM_014633	ENSG00000	CTR9	SH2BP1|TS	CTR9 homo	protein-coding
chr11-119	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr11	11999599	12002893	+	0	NA	intron (N	L4_C_Mam|	7393	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-325	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr11	32588896	32596630	+	0	NA	intron (N	intron (N	8932	NM_006360	10480	Hs.502244	NM_006360	ENSG00000	EIF3M	B5|GA17|F	eukaryoti	protein-coding
chr12-504	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr12	50472794	50477105	+	0	NA	intron (N	intron (N	18378	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr14-673	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr14	67376247	67378963	+	0	NA	intron (N	L2b|LINE|	17277	NM_004094	1965	Hs.151777	NM_004094	ENSG00000	EIF2S1	EIF-2|EIF	eukaryoti	protein-coding
chr15-399	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr15	39949214	39958054	+	0	NA	intron (N	LTR79|LTR	19519	NM_001013	440275	Hs.656673	NM_001013	ENSG00000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr15-485	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr15	48509660	48515637	+	0	NA	intron (N	L1PA13|LI	133140	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-491	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr15	49139114	49144264	+	0	NA	intron (N	intron (N	13910	NM_001143	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sign	protein-coding
chr17-232	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr17	2320716	2334972	+	0	NA	intron (N	intron (N	1366	NR_003073	692208		NR_003073	ENSG00000	SNORD91B	HBII-296b	small nuc	snoRNA
chr17-462	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr17	46222048	46223537	+	0	NA	intron (N	intron (N	2582	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr19-190	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr19	19023271	19031796	+	0	NA	intron (N	L2a|LINE|	5984	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr2-3644	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	36442279	36447651	+	0	NA	intron (N	L2c|LINE|	89187	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-8611	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	86110899	86112565	+	0	NA	intron (N	AluSp|SIN	5497	NM_017952	55037	Hs.323489	NM_017952	ENSG00000	PTCD3	MRP-S39	pentatric	protein-coding
chr2-8857	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	88574117	88575336	+	0	NA	exon (NM_	exon (NM_	36006	NR_110236	1.02E+08	Hs.738045	NR_110236	ENSG00000	LOC101928	-	uncharact	ncRNA
chr2-1351	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	SVA_C|Ret	-30830	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr2-1696	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	L1MA8|LIN	31421	NM_004792	9360	Hs.470544	NM_004792	ENSG00000	PPIG	CARS-Cyp|	peptidylp	protein-coding
chr2-1912	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	MLT1A0|LT	32709	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr22-411	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr22	41168589	41172709	+	0	NA	intron (N	intron (N	26852	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr3-1521	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr3	15216988	15221872	+	0	NA	intron (N	L2c|LINE|	13184	NM_014296	23473	Hs.595234	NM_014296	ENSG00000	CAPN7	CALPAIN7|	calpain 7	protein-coding
chr3-9880	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr3	98806730	98808205	+	0	NA	intron (N	MLT1A0|LT	44160	NM_001323	10402	Hs.148716	NM_006100	ENSG00000	ST3GAL6	SIAT10|ST	ST3 beta-	protein-coding
chr3-1250	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	29768	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr3-1565	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	AluJb|SIN	944	NM_001308	6747	Hs.518346	NM_007107	ENSG00000	SSR3	TRAPG	signal se	protein-coding
chr4-6995	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr4	6995013	6997646	+	0	NA	exon (NM_	exon (NM_	8821	NM_001286	57533	Hs.518611	NM_020773	ENSG00000	TBC1D14	-	TBC1 doma	protein-coding
chr4-8874	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr4	88747530	88750785	+	0	NA	intron (N	intron (N	39368	NR_002806	285512	Hs.744957	NR_002806	ENSG00000	FAM13A-AS	FAM13A1OS	FAM13A ar	ncRNA
chr5-1382	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr5	13828112	13830599	+	0	NA	intron (N	intron (N	115125	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3941	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr5	39416867	39418470	+	0	NA	intron (N	intron (N	7312	NM_001343	1601	Hs.696631	NM_001343	ENSG00000	DAB2	DOC-2|DOC	DAB adapt	protein-coding
chr5-6563	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr5	65637408	65638846	+	0	NA	intron (N	AluSx|SIN	13100	NM_024941	80006	Hs.591760	NM_024941	ENSG00000	TRAPPC13	C5orf44|S	trafficki	protein-coding
chr5-1385	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	27369	NM_001291	2107	Hs.483494	NM_004730	ENSG00000	ETF1	D5S1995|E	eukaryoti	protein-coding
chr6-4351	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr6	43519386	43525304	+	0	NA	TTS (NM_0	TTS (NM_0	5256	NM_001363	9533	Hs.743509	NM_004875	ENSG00000	POLR1C	AC40|HLD1	RNA polym	protein-coding
chr6-1113	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	X6A_LINE|	71151	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-9261	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr7	92615219	92618146	+	0	NA	intron (N	intron (N	-26292	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding
chr8-3908	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr8	39082587	39083701	+	0	NA	intron (N	L2c|LINE|	-24385	NM_001313	203102	Hs.521545	NM_145004	ENSG00000	ADAM32	-	ADAM meta	protein-coding
chr8-1022	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	41080	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr8-1022	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	56878	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-1228	9.400959	0.047186	0.757528	0.062289	0.950333	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJo|SIN	-1773	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr1-1126	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	8922	NM_138727	54879	Hs.201921	NM_017744	ENSG00000	ST7L	FAM4B|ST7	suppressi	protein-coding
chr12-111	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	L1M1|LINE	56855	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr14-307	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr14	30729848	30731333	+	0	NA	intron (N	L1PA5|LIN	108271	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr15-824	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr15	82472499	82473661	+	0	NA	non-codin	non-codin	-28211	NR_120378	1.03E+08	Hs.694638	NR_120378		LOC102724	-	uncharact	ncRNA
chr17-817	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr17	81705279	81706042	+	0	NA	intron (N	intron (N	2293	NM_002949	6182	Hs.109059	NM_002949	ENSG00000	MRPL12	5c5-2|L12	mitochond	protein-coding
chr2-2004	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	MER4A1|LT	34494	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr6-7570	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chr6	75704335	75704645	+	0	NA	intron (N	LTR5B|LTR	-44749	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chrX-4722	8.127224	-0.05071	0.815307	-0.0622	0.950407	0.981636	chrX	47228530	47229529	+	0	NA	3’ UTR (N	3’ UTR (N	-3980	NM_001371072								
chr1-1631	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr1	16311122	16315217	+	0	NA	intron (N	intron (N	39311	NM_018994	54455	Hs.522384	NM_018994	ENSG00000	FBXO42	Fbx42|JFK	F-box pro	protein-coding
chr1-4421	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr1	44214940	44215997	+	0	NA	intron (N	L2-1_AMi|	1997	NM_001034	55929	Hs.8008	NM_019100	ENSG00000	DMAP1	DNMAP1|DN	DNA methy	protein-coding
chr1-2280	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	6241	NM_001024	375	Hs.286221	NM_001658	ENSG00000	ARF1	PVNH8	ADP ribos	protein-coding
chr12-117	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSz|SIN	26670	NM_015002	23014	Hs.740376	NM_015002	ENSG00000	FBXO21	FBX21	F-box pro	protein-coding
chr17-820	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr17	82048569	82050098	+	0	NA	intron (N	intron (N	2478	NM_002917	5986	Hs.569700	NM_002917	ENSG00000	RFNG	-	RFNG O-fu	protein-coding
chr19-363	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr19	3639523	3641572	+	0	NA	intron (N	intron (N	-13732	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding
chr20-365	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr20	36509670	36514363	+	0	NA	intron (N	L1MEd|LIN	-29503	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr3-4545	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr3	45458317	45461783	+	0	NA	intron (N	intron (N	49495	NR_048543	1.01E+08	Hs.641094	NR_048543		LARS2-AS1	-	LARS2 ant	ncRNA
chr4-6763	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr4	67636582	67639924	+	0	NA	intron (N	intron (N	62902	NM_018227	55236	Hs.212774	NM_018227	ENSG00000	UBA6	E1-L2|MOP	ubiquitin	protein-coding
chr4-9843	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr4	98437279	98438044	+	0	NA	intron (N	AluSz|SIN	176277	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr7-5597	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr7	55978904	55979584	+	0	NA	intron (N	intron (N	14659	NM_001483	2631	Hs.591069	NM_001483	ENSG00000	NIPSNAP2	GBAS	nipsnap h	protein-coding
chr8-1771	7.194603	-0.05368	0.863145	-0.06219	0.95041	0.981636	chr8	1771423	1773331	+	0	NA	intron (N	intron (N	-7793	NR_134303	1.02E+08	Hs.356690	NR_134302	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1557	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSg4|SI	-5617	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr13-102	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	29706	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr15-727	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr15	72772011	72772932	+	0	NA	intron (N	L2c|LINE|	-10364	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr18-356	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr18	35627577	35628533	+	0	NA	Intergeni	L1PA5|LIN	-26514	NM_020474	2589	Hs.514806	NM_020474	ENSG00000	GALNT1	GALNAC-T1	polypepti	protein-coding
chr19-339	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr19	3392316	3392722	+	0	NA	intron (N	intron (N	25936	NM_001245	4782	Hs.170131	NM_005597	ENSG00000	NFIC	CTF|CTF5|	nuclear f	protein-coding
chr2-1132	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	19753	NR_015377	654433	Hs.656660	NR_015377	ENSG00000	PAX8-AS1	-	PAX8 anti	ncRNA
chr20-233	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr20	23377627	23379067	+	0	NA	intron (N	intron (N	13984	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTB	GDNF indu	protein-coding
chr3-1793	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	TTS (NM_0	TTS (NM_0	47375	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr4-1192	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	32420	NM_001001	401152	Hs.173705	NM_001001	ENSG00000	C4orf3	ALN|HCVFT	chromosom	protein-coding
chr7-1289	5.965523	0.058543	0.943108	0.062074	0.950504	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	36156	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr14-732	8.18408	-0.05252	0.848135	-0.06192	0.950626	0.981636	chr14	73273882	73274095	+	0	NA	non-codin	non-codin	-27987	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr14-101	8.18408	-0.05252	0.848135	-0.06192	0.950626	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-81	NR_029861	442913		NR_029861	ENSG00000	MIR376C	MIR368|MI	microRNA	ncRNA
chr9-6691	12.36523	0.041557	0.672386	0.061805	0.950718	0.981636	chr9	66917864	66919265	+	0	NA	exon (NM_	exon (NM_	15203	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr16-692	9.449956	0.047392	0.767541	0.061745	0.950766	0.981636	chr16	69245589	69246353	+	0	NA	intron (N	L1ME3G|LI	58824	NM_006750	6645	Hs.461117	NM_006750	ENSG00000	SNTB2	D16S2531E	syntrophi	protein-coding
chr9-1271	9.449956	0.047392	0.767541	0.061745	0.950766	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	15244	NM_012098	23452	Hs.653262	NM_012098	ENSG00000	ANGPTL2	ARP2|HARP	angiopoie	protein-coding
chr1-2128	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	LTR54B|LT	25579	NM_014053	28982	Hs.7055	NM_014053	ENSG00000	FLVCR1	AXPC1|FLV	feline le	protein-coding
chr1-2402	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	203237	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr10-608	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr10	60887086	60888207	+	0	NA	intron (N	intron (N	56539	NM_001350	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr11-113	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	26187	NM_004724	9183	Hs.503886	NM_004724	ENSG00000	ZW10	HZW10|KNT	zw10 kine	protein-coding
chr13-952	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr13	95283570	95284211	+	0	NA	intron (N	AluSp|SIN	17556	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MO	ATP bindi	protein-coding
chr14-633	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr14	63387327	63388085	+	0	NA	intron (N	MLT1B|LTR	-68771	NM_145171	122876	Hs.375028	NM_145171	ENSG00000	GPHB5	B5|GPB5|Z	glycoprot	protein-coding
chr15-230	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr15	23033124	23035699	+	0	NA	intron (N	L1MCa|LIN	5158	NM_001354	114791	Hs.533898	NM_052903	ENSG00000	TUBGCP5	GCP5	tubulin g	protein-coding
chr16-379	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr16	3790051	3793249	+	0	NA	intron (N	intron (N	-74126	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr19-565	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr19	56541037	56542940	+	0	NA	intron (N	AluSz|SIN	3040	NM_020828	140612	Hs.14794	NM_020828	ENSG00000	ZFP28	mkr5	ZFP28 zin	protein-coding
chr2-1444	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-70665	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr20-185	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr20	18515770	18517940	+	0	NA	intron (N	L1M3|LINE	8915	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr20-199	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr20	19970180	19972288	+	0	NA	intron (N	intron (N	-46056	NM_181528	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr20-338	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr20	33852282	33853327	+	0	NA	intron (N	intron (N	41456	NM_176812	128866	Hs.472471	NM_176812	ENSG00000	CHMP4B	C20orf178	charged m	protein-coding
chr22-194	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr22	19406031	19407125	+	0	NA	intron (N	intron (N	25155	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr4-1832	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr4	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	-29301	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG00000	WWC2-AS1	-	WWC2 anti	ncRNA
chr5-3870	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr5	387079	390747	+	0	NA	intron (N	intron (N	54247	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr6-2953	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr6	2953793	2957705	+	0	NA	intron (N	intron (N	6381	NM_001271	5269	Hs.519523	NM_004568	ENSG00000	SERPINB6	CAP|DFNB9	serpin fa	protein-coding
chr7-4810	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr7	48105935	48107467	+	0	NA	intron (N	intron (N	17436	NM_003364	7378	Hs.488240	NM_003364	ENSG00000	UPP1	UDRPASE|U	uridine p	protein-coding
chr7-7412	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr7	74120666	74121253	+	0	NA	exon (NM_	exon (NM_	27742	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr8-1934	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr8	1934089	1935600	+	0	NA	intron (N	L1M5|LINE	-36553	NR_126346	1.04E+08	Hs.734498	NR_126346	ENSG00000	KBTBD11-O	-	KBTBD11 o	ncRNA
chr8-3845	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr8	38455286	38456328	+	0	NA	intron (N	intron (N	11917	NM_001174	2260	Hs.264887	NM_015850	ENSG00000	FGFR1	BFGFR|CD3	fibroblas	protein-coding
chr8-1441	6.699865	-0.05482	0.888016	-0.06174	0.950772	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2622	NM_016458	51236	Hs.300224	NM_016458	ENSG00000	HGH1	BRP16|BRP	HGH1 homo	protein-coding
chr14-306	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr14	30642745	30646414	+	0	NA	intron (N	L1PA15|LI	22260	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-601	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr14	60117269	60120017	+	0	NA	exon (NM_	exon (NM_	26720	NM_001330	64430	Hs.509499	NM_022495	ENSG00000	PCNX4	C14orf135	pecanex 4	protein-coding
chr16-487	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr16	4871496	4873452	+	0	NA	intron (N	G-rich|Lo	24094	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr2-4715	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr2	47158685	47176210	+	0	NA	intron (N	AluSx|SIN	6760	NM_001305	805	Hs.468442	NM_001743	ENSG00000	CALM2	CALM|CALM	calmoduli	protein-coding
chr5-7814	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr5	78140489	78141195	+	0	NA	intron (N	intron (N	153856	NM_001271	8546	Hs.532091	NM_003664	ENSG00000	AP3B1	ADTB3|ADT	adaptor r	protein-coding
chr7-3586	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr7	35863512	35864425	+	0	NA	intron (N	MER3|DNA|	62749	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-7552	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr7	75520815	75526044	+	0	NA	intron (N	L1MC5|LIN	4694	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr9-1115	9.879981	0.045729	0.741531	0.061668	0.950827	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	6456	NM_012212	22949	Hs.584864	NM_012212	ENSG00000	PTGR1	LTB4DH|PG	prostagla	protein-coding
chr14-731	6.91571	0.055087	0.893324	0.061666	0.950829	0.981636	chr14	73104663	73105764	+	0	NA	intron (N	AluJr4|SI	-31294	NM_000021	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr22-504	6.91571	0.055087	0.893324	0.061666	0.950829	0.981636	chr22	50434789	50435032	+	0	NA	intron (N	CpG	27468	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr11-569	9.928978	0.045911	0.745471	0.061586	0.950892	0.981636	chr11	5698056	5699064	+	0	NA	intron (N	intron (N	8770	NM_006074	10346	Hs.501778	NM_006074	ENSG00000	TRIM22	GPSTAF50|	tripartit	protein-coding
chr19-468	9.928978	0.045911	0.745471	0.061586	0.950892	0.981636	chr19	4687262	4691190	+	0	NA	intron (N	intron (N	9944	NM_001242	1E+08	Hs.678135	NM_001242901		DPP9-AS1	-	DPP9 anti	protein-coding
chr9-3306	9.928978	0.045911	0.745471	0.061586	0.950892	0.981636	chr9	33067741	33069109	+	0	NA	intron (N	intron (N	8249	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr1-1769	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr1	1769989	1772879	+	0	NA	intron (N	L1M4|LINE	7036	NM_023018	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-7757	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr1	77579425	77582598	+	0	NA	exon (NM_	exon (NM_	101647	NM_015534	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1094	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJb|SIN	6956	NM_001199	5686	Hs.485246	NM_002790	ENSG00000	PSMA5	PSC5|ZETA	proteasom	protein-coding
chr1-2217	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	8454	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding

chr11-295	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr11	2955911	2960562	+	0	NA	intron (N	intron (N	5657	NR_002982	677833	Hs.689696	NR_002982	ENSG00000	SNORA54	ACA54	small nuc	snoRNA
chr11-936	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr11	93683187	93685283	+	0	NA	intron (N	intron (N	22553	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr12-649	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr12	6496697	6497162	+	0	NA	intron (N	Tigger3b|	2827	NM_014865	9918	Hs.5719	NM_014865	ENSG00000	NCAPD2	CAP-D2|CN	non-SMC c	protein-coding
chr12-121	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr12	12148638	12151297	+	0	NA	intron (N	intron (N	38015	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr12-216	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr12	21645344	21646941	+	0	NA	intron (N	intron (N	11652	NM_001174	3945	Hs.446149	NM_002300	ENSG00000	LDHB	HEL-S-281	lactate d	protein-coding
chr12-928	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr12	92887796	92890100	+	0	NA	intron (N	AluSz|SIN	40347	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early end	protein-coding
chr12-131	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-40304	NM_016155	4326	Hs.709245	NM_016155	ENSG00000	MMP17	MMP-17|MT	matrix me	protein-coding
chr13-200	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr13	20061352	20063531	+	0	NA	intron (N	intron (N	-40260	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr13-950	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr13	95092008	95093185	+	0	NA	intron (N	L1PB1|LIN	-117748	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-311	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr14	31162943	31163428	+	0	NA	intron (N	AluJo|SIN	44608	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-691	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr14	69114478	69116660	+	0	NA	intron (N	intron (N	37030	NM_001284	8816	Hs.509780	NM_003861	ENSG00000	DCAF5	BCRG2|BCF	DDB1 and	protein-coding
chr14-965	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr14	96552107	96554879	+	0	NA	intron (N	AluJb|SIN	50628	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr14-103	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	5786	NM_001130	3831	Hs.20107	NM_005552	ENSG00000	KLC1	KLC|KNS2|	kinesin l	protein-coding
chr15-430	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr15	43024699	43027825	+	0	NA	intron (N	L1MC4|LIN	79776	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-551	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr15	55188413	55191488	+	0	NA	intron (N	intron (N	6991	NM_016304	51187	Hs.274772	NM_016304	ENSG00000	RSL24D1	C15orf15|	ribosomal	protein-coding
chr15-640	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr15	64087387	64089433	+	0	NA	intron (N	MIRc|SINE	5428	NM_032231	84191	Hs.439548	NM_032231	ENSG00000	CIAO2A	CIA2A|FAM	cytosolic	protein-coding
chr15-759	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr15	75933223	75936877	+	0	NA	non-codin	non-codin	31172	NM_147188	26263	Hs.591115	NM_012170	ENSG00000	FBXO22	FBX22|FIS	F-box pro	protein-coding
chr16-293	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr16	29386805	29388925	+	0	NA	intron (N	intron (N	16680	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr17-202	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr17	20245443	20250545	+	0	NA	intron (N	LTR67B|LT	-73180	NR_023380	348254	Hs.462475	NR_023380		CCDC144CP	CCDC144C	coiled-co	pseudo
chr17-602	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr17	60207407	60208533	+	0	NA	intron (N	intron (N	23675	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr18-497	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr18	49790016	49793047	+	0	NA	exon (NM_	exon (NM_	22002	NM_006111	10449	Hs.200136	NM_006111	ENSG00000	ACAA2	DSAEC	acetyl-Co	protein-coding
chr19-119	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr19	11935957	11936201	+	0	NA	intron (N	L1PA6|LIN	10972	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr19-585	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr19	58516288	58517213	+	0	NA	exon (NM_	exon (NM_	2852	NM_001316	84878	Hs.515662	NM_032792	ENSG00000	ZBTB45	ZNF499	zinc fing	protein-coding
chr2-6941	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr2	69418064	69421180	+	0	NA	intron (N	intron (N	17813	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-8609	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr2	86096816	86098989	+	0	NA	intron (N	L1MA5A|LI	7984	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-2024	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MC4|LIN	92663	NM_001204	659	Hs.471119	NM_001204	ENSG00000	BMPR2	BMPR-II|B	bone morp	protein-coding
chr2-2238	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	Intergeni	MLT1I|LTR	-36575	NR_110906	130340	Hs.632555	NM_178814	ENSG00000	AP1S3	PSORS15	adaptor r	protein-coding
chr20-176	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr20	17602718	17603640	+	0	NA	intron (N	intron (N	33104	NM_006870	11034	Hs.304192	NM_006870	ENSG00000	DSTN	ACTDP|ADF	destrin,	protein-coding
chr3-3339	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr3	33395821	33402918	+	0	NA	intron (N	intron (N	41009	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LE	upstream	protein-coding
chr4-1997	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr4	1997439	1999410	+	0	NA	intron (N	L1PA10|LI	10550	NM_005663	7469	Hs.21771	NM_005663	ENSG00000	NELFA	NELF-A|P/	negative	protein-coding
chr4-3910	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr4	39102529	39107050	+	0	NA	intron (N	AluSc|SIN	42557	NM_199039	51088	Hs.272251	NM_015990	ENSG00000	KLHL5	-	kelch lik	protein-coding
chr7-3257	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr7	32572528	32577640	+	0	NA	intron (N	intron (N	79595	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr7-4743	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr7	47433206	47435119	+	0	NA	intron (N	intron (N	30641	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-7306	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr7	73068878	73069399	+	0	NA	Intergeni	Intergeni	-11231	NR_003664	728524	Hs.571275	NM_001023562		SPDYE8P	-	speedy/RI	pseudo
chr7-1379	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	TTS (NM_C	TTS (NM_C	20780	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr7-1572	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSq2|SI	-82373	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr9-1003	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr9	1E+08	1E+08	+	0	NA	TTS (NM_C	TTS (NM_C	50953	NM_001161	54881	Hs.494648	NM_017746	ENSG00000	TEX10	Ipi1|bA2C	testis ex	protein-coding
chr9-1253	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	3' UTR (N	3' UTR (N	46122	NM_001330	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1341	7.922752	0.050572	0.821272	0.061578	0.950899	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	2385	NM_052821	11091	Hs.397638	NM_017588	ENSG00000	WDR5	BIG-3|CFA	WD repeat	protein-coding
chr8-4797	7.386874	0.054828	0.890473	0.061572	0.950904	0.981636	chr8	47977328	47977641	+	0	NA	3' UTR (N	3' UTR (N	16543	NM_182746	4173	Hs.460184	NM_005914	ENSG00000	MCM4	CDC21|CDC	minichrom	protein-coding
chr21-289	8.678818	-0.05267	0.855887	-0.06153	0.950935	0.981636	chr21	28984843	28985229	+	0	NA	intron (N	intron (N	7841	NM_001320	26046	Hs.288773	NM_015565	ENSG00000	LTN1	C21orf10|	listerin	protein-coding
chr16-295	12.84425	0.040619	0.66053	0.061495	0.950965	0.981636	chr16	29501957	29505807	+	0	NA	intron (N	MIRb|SINE	1992	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr4-2470	12.84425	0.040619	0.66053	0.061495	0.950965	0.981636	chr4	2470899	2473553	+	0	NA	intron (N	Tigger1|D	2773	NM_001185	6047	Hs.66394	NM_002938	ENSG00000	RNF4	RES4-26|S	ring fing	protein-coding
chr10-499	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr10	49929452	49932244	+	0	NA	intron (N	intron (N	11179	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chr13-409	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr13	40950070	40951075	+	0	NA	intron (N	L2c|LINE|	-28798	NR_003365	283507	Hs.442781	NR_003365	ENSG00000	SUGT1P3	SUGT1L1	SUGT1 pse	pseudo
chr14-391	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr14	39152337	39155075	+	0	NA	intron (N	AluSq2|SI	16627	NM_001079	122553	Hs.13303	NM_177452	ENSG00000	TRAPPC6B	NEDMEBA|T	trafficki	protein-coding
chr14-100	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_C	TTS (NR_C	252	NR_003236	767568		NR_003236	ENSG00000	SNORD113-	14q(I-8)	small nuc	snoRNA
chr16-885	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr16	88588341	88591126	+	0	NA	intron (N	L1MB7|LIN	19330	NM_144604	124245	Hs.93670	NM_144604	ENSG00000	ZC3H18	NHN1	zinc fing	protein-coding
chr17-671	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr17	67165333	67168058	+	0	NA	intron (N	intron (N	-78081	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr2-1177	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr2	11779941	11781058	+	0	NA	intron (N	intron (N	13055	NR_036071	1E+08		NR_036071	ENSG00000	MIR548S	-	microRNA	ncRNA
chr2-2304	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA16|LI	58836	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr20-372	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr20	37241495	37243374	+	0	NA	TTS (NM_C	TTS (NM_C	14474	NM_021081	2691	Hs.37023	NM_021081	ENSG00000	GHRH	GHRF|GRF|	growth ho	protein-coding
chr20-498	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr20	49819037	49820733	+	0	NA	intron (N	L1MB5|LIN	7057	NR_048537	23315	Hs.444202	NM_015266	ENSG00000	SLC9A8	NHE-8|NHE	solute ca	protein-coding
chr3-4909	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr3	49097339	49098706	+	0	NA	exon (NM_	exon (NM_	1892	NR_106950	1.02E+08		NR_106950	ENSG00000	MIR6890	hsa-mir-6	microRNA	ncRNA
chr4-2646	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr4	2646490	2651509	+	0	NA	intron (N	intron (N	23567	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr6-4343	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr6	43438537	43439262	+	0	NA	intron (N	intron (N	4357	NR_106894	1.02E+08		NR_106894	ENSG00000	MIR6780B	hsa-mir-6	microRNA	ncRNA
chr6-1496	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSx1|SI	22463	NR_073033	9113	Hs.549084	NM_004690	ENSG00000	LATS1	WARTS|wts	large tum	protein-coding
chr8-9450	7.632486	-0.05141	0.837732	-0.06136	0.951071	0.981636	chr8	94505847	94506690	+	0	NA	intron (N	intron (N	-31153	NM_001205	25788	Hs.30561	NM_006550	ENSG00000	RAD54B	RDH54	RAD54 hom	protein-coding
chr1-5295	10.408	0.044577	0.726535	0.061355	0.951076	0.981636	chr1	52951892	52952191	+	0	NA	intron (N	L1MB7|LIN	24765	NM_001193	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr10-103	10.408	0.044577	0.726535	0.061355	0.951076	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSq2|SI	4887	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5'-nucleo	protein-coding
chr14-497	10.408	0.044577	0.726535	0.061355	0.951076	0.981636	chr14	49788642	49789185	+	0	NA	intron (N	intron (N	20760	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr19-533	10.408	0.044577	0.726535	0.061355	0.951076	0.981636	chr19	53397506	53410803	+	0	NA	intron (N	AluSp|SIN	9005	NM_001040	91661	Hs.657821	NM_001040	ENSG00000	ZNF765	-	zinc fing	protein-coding
chr3-3731	10.408	0.044577	0.726535	0.061355	0.951076	0.981636	chr3	37319077	37320639	+	0	NA	intron (N	intron (N	-66411	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr5-1415	7.97175	0.050856	0.829837	0.061284	0.951133	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	3' UTR (N	3' UTR (N	22299	NM_032407	56097	Hs.368160	NM_018929	ENSG00000	PCDHGC5	PCDH-GAMM	protocadh	protein-coding
chr9-1347	7.97175	0.050856	0.829837	0.061284	0.951133	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	82778	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr1-2365	5.718247	-0.05977	0.976489	-0.06121	0.951193	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	-17553	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 an	ncRNA
chr5-8047	5.718247	-0.05977	0.976489	-0.06121	0.951193	0.981636	chr5	80473785	80474495	+	0	NA	intron (N	intron (N	-13960	NM_205548	167555	Hs.338182	NM_205548	ENSG00000	FAM151B	UNQ9217	family wi	protein-coding
chr1-3947	10.88702	0.04336	0.710207	0.061053	0.951317	0.981636	chr1	39479645	39482234	+	0	NA	intron (N	intron (N	-10697	NM_181809	353500	Hs.472497	NM_181809	ENSG00000	BMP8A	-	bone morp	protein-coding
chr15-789	10.88702	0.04336	0.710207	0.061053	0.951317	0.981636	chr15	78906691	78907252	+	0	NA	Intergeni	ERVL-E-in	33982	NM_001265	10933	Hs.374503	NM_006791	ENSG00000	MORF4L1	Eaf3|FWPC	mortality	protein-coding
chr16-160	10.88702	0.04336	0.710207	0.061053	0.951317	0.981636	chr16	16075283	16092907	+	0	NA	intron (N	AluSz|SIN	134479	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr20-393	10.88702	0.04336	0.710207	0.061053	0.951317	0.981636	chr20	3936583	3947947	+	0	NA	intron (N	AluJo|SIN	-24702	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr9-1322	10.88702	0.04336	0.710207	0.061053	0.951317	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	78776	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr1-2674	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr1	26741431	26742806	+	0	NA	intron (N	intron (N	-45845	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr14-501	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr14	50158917	50159999	+	0	NA	exon (NM_	exon (NM_	-42886	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr16-841	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr16	84122226	84123467	+	0	NA	3' UTR (N	3' UTR (N	-5904	NM_003791	8720	Hs.75890	NM_003791	ENSG00000	MBTPS1	PCSK8|S1P	membrane	protein-coding
chr17-356	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr17	35691379	35692250	+	0	NA	intron (N	intron (N	-39825	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr19-556	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr19	55666629	55667690	+	0	NA	intron (N	intron (N	-8036	NM_001321	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr2-3498	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr2	3498636	3499420	+	0	NA	exon (NM_	exon (NM_	18719	NM_001306	55256	Hs.502773	NM_018269	ENSG00000	ADI1	APL1|ARD|	acireduct	protein-coding
chr2-2400	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr2	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	23479	NR_136157	4705	Hs.277677	NM_004544	ENSG00000	NDUFA10	CI-42KD|C	NADH:ubiq	protein-coding
chr22-237	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr22	23711599	23712602	+	0	NA	intron (N	AluSz|SIN	5323	NR_024448	91316	Hs.148656	NR_024448	ENSG00000	GUSBP11	-	GUSB pseu	pseudo
chr4-9889	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr4	98893694	98894149	+	0	NA	intron (N	Tigger1|D	35212	NM_001130	1977	Hs.13211	NM_001968	ENSG00000	EIF4E	AUTS19|CE	eukaryoti	protein-coding
chr5-1500	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	18895	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr6-1580	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	71971	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-1248	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	L1M4c|LIN	38351	NM_015450	25913	Hs.31968	NM_015450	ENSG00000	POT1	CMM10|GLM	protectio	protein-coding
chr7-1276	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr7	1.28E+08	1.28E+08	+	0	NA	intron (N	L2a|LINE|	34305	NM_014390	27044	Hs.122523	NM_014390	ENSG00000	SND1	TDRD11|Tu	staphyloc	protein-coding
chr7-1297	6.444546	0.055504	0.909256	0.061043	0.951325	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	(TTGT)n|S	38861	NR_029614	406958		NR_029614	ENSG00000	MIR182	MIRN182|m	microRNA	ncRNA
chr11-108	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	61276	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr12-487	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr12	48707611	48709480	+	0	NA	intron (N	AluSx|SIN	8162	NM_001240	904	Hs.92308	NM_001240	ENSG00000	CCNT1	CCNT|CYCT	cyclin T1	protein-coding
chr13-322	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr13	32217571	32220310	+	0	NA	intron (N	intron (N	93014	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr14-732	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr14	73291540	73292472	+	0	NA	intron (N	intron (N	-46005	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr16-161	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr16	1617312	1617979	+	0	NA	intron (N	intron (N	3005	NM_020825	57585	Hs.603676	NM_020825	ENSG00000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr16-910	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr16	9109052	9109868	+	0	NA	intron (N	intron (N	17816	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr17-517	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr17	5175495	5177762	+	0	NA	Intergeni	Intergeni	15240	NM_032530	84622	Hs.658402	NM_032530	ENSG00000	ZNF594	-	zinc fing	protein-coding
chr19-352	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr19	3526231	3528318	+	0	NA	intron (N	intron (N	4318	NM_001136	51343	Hs.413133	NM_016263	ENSG00000	FZR1	CDC20C|CI	fizzy and	protein-coding
chr19-442	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr19	44214513	44215359	+	0	NA	intron (N	MER1B|DNA	2404	NM_182490	7770	Hs.298089	NM_182490	ENSG00000	ZNF227	-	zinc fing	protein-coding
chr2-7255	8.450772	0.048911	0.801724	0.061007	0.951354	0.981636	chr2	72555320	72555925	+	0	NA	intron (N	L1PA6|LIN	270411	NM_001321	23233	Hs.303454	NM_015189	ENSG00000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr2-1874	10.359	0.044392	0.727798	0.060995	0.951363	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	L3b|LINE|	-34656	NM_001271	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr2-2009	10.359	0.044392	0.727798	0.060995	0.951363	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSg7|SI	-27175	NM_006190	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr9-1104	10.359	0.044392	0.727798	0.060995	0.951363	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSg4|SI	-104571	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr8-1319	4.966339	0.063503	1.041356	0.060981	0.951374	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	L2c|LINE|	24994	NM_001323	23167	Hs.204564	NM_015137	ENSG00000	EFR3A	-	EFR3 homo	protein-coding
chr3-1770	9.815268	0.048572	0.796604	0.060973	0.95138	0.981636	chr3	1.77E+08	1.77E+08	+	0	NA	intron (N	L1PB2|LIN	162529	NM_001321	79718	Hs.714201	NM_024665	ENSG00000	TBL1XR1	C21|DC42|	transduci	protein-coding
chr19-492	8.614105	-0.04857	0.797852	-0.06088	0.951458	0.981636	chr19	49205076	49206731	+	0	NA	intron (N	L1MB4|LIN	48111	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr1-3285	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr1	32854522	32854786	+	0	NA	intron (N	L2|LINE|L	16159	NM_001171	252995	Hs.524234	NM_153756	ENSG00000	FNDC5	FRCP2|iri	fibronect	protein-coding
chr1-5269	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr1	52690763	52693016	+	0	NA	intron (N	MLT1F1|LT	6458	NM_023077	65260	Hs.349905	NM_023077	ENSG00000	COA7	C1orf163|	cytochrom	protein-coding
chr1-1111	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-2093	NM_001007	10390	Hs.363572	NM_006090	ENSG00000	CEPT1	-	choline/e	protein-coding
chr10-592	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr10	5928240	5932121	+	0	NA	intron (N	L1MC5a|LI	35794	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr10-120	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr10	12031656	12032361	+	0	NA	intron (N	intron (N	10801	NM_015542	26019	Hs.370689	NM_015542	ENSG00000	UPF2	HUPF2|REN	UPF2 regu	protein-coding
chr12-866	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr12	866099	869033	+	0	NA	intron (N	intron (N	65510	NM_001297	5893	Hs.410355	NM_134422	ENSG00000	RAD52	-	RAD52 hom	protein-coding
chr12-121	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	17450	NM_194271	80196	Hs.292804	NM_025126	ENSG00000	RNF34	CARP-1|CA	ring fing	protein-coding
chr14-501	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr14	50156291	50156856	+	0	NA	intron (N	intron (N	-40001	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr2-5391	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr2	53917551	53918886	+	0	NA	intron (N	intron (N	52775	NM_014614	23198	Hs.413801	NM_014614	ENSG00000	PSME4	PA200	proteasom	protein-coding
chr2-8858	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr2	88589743	88590937	+	0	NA	intron (N	intron (N	34589	NM_001313	9451	Hs.591589	NM_004836	ENSG00000	EIF2AK3	PEK|PERK|	eukaryoti	protein-coding
chr2-1716	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	5625	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr20-365	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr20	36501508	36502396	+	0	NA	intron (N	intron (N	-39567	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr3-1525	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr3	15250380	15252450	+	0	NA	3' UTR (N	3' UTR (N	-2769	NR_046084	1.01E+08	Hs.745026	NR_046084	ENSG00000	SH3BP5-AS	-	SH3BP5 an	ncRNA
chr3-3735	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr3	37354488	37357327	+	0	NA	intron (N	intron (N	-30362	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr4-9847	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr4	98471905	98472456	+	0	NA	3' UTR (N	3' UTR (N	186431	NM_005723	10098	Hs.118118	NM_005723	ENSG00000	TSPAN5	NET-4|NET	tetraspan	protein-coding
chr5-8107	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr5	81077685	81080412	+	0	NA	intron (N	LTR67B|LT	-118141	NR_105015	1.03E+08	Hs.737159	NR_105015	ENSG00000	RASGRF2-A	-	RASGRF2 a	ncRNA
chr5-1405	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJr|SIN	-32921	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-1121	8.401774	0.048688	0.800689	0.060808	0.951512	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	L2a|LINE|	74357	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr17-619	6.650868	-0.05525	0.909376	-0.06075	0.951555	0.981636	chr17	61903237	61904344	+	0	NA	intron (N	HAL1|LINE	24192	NM_020748	57508	Hs.279646	NM_020748	ENSG00000	INTS2	INT2|KIAA	integrato	protein-coding
chr5-3716	6.650868	-0.05525	0.909376	-0.06075	0.951555	0.981636	chr5	37163631	37164076	+	0	NA	intron (N	MER21C|LT	-85193	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-1339	6.650868	-0.05525	0.909376	-0.06075	0.951555	0.981636	chr6	1.34E+08	1.34E+08	+	0	NA	TTS (NM_1	TTS (NM_1	33427	NM_004865	9519	Hs.486507	NM_004865	ENSG00000	TBPL1	MGC:8389|	TATA-box	protein-coding

chr17-381	8.176222	-0.05051	0.832258	-0.0607	0.951601	0.981636	chr17	3812870	3813346	+	0	NA	exon (NM_	exon (NM_	-11920	NM_002208	3682	Hs.513867	NM_002208	ENSG00000	ITGAE	CD103|HUM	integrin	protein-coding
chr3-1899	8.176222	-0.05051	0.832258	-0.0607	0.951601	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	L1PA7|LIN	138895	NR_030642	1E+08		NR_030642	ENSG00000	MIR944	MIRN944|h	microRNA	ncRNA
chr16-214	11.36605	0.042239	0.696082	0.060682	0.951613	0.981636	chr16	21407833	21412128	+	0	NA	intron (N	AluSx4|SI	15398	NM_130464	23117	Hs.611072	NM_130464		NPIPB3	KIAA0220L	nuclear p	protein-coding
chr17-161	11.36605	0.042239	0.696082	0.060682	0.951613	0.981636	chr17	16101270	16101842	+	0	NA	exon (NM_	exon (NM_	51640	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr6-2837	11.36605	0.042239	0.696082	0.060682	0.951613	0.981636	chr6	2837321	2838177	+	0	NA	intron (N	intron (N	4114	NR_073112	1992	Hs.381167	NM_030666	ENSG00000	SERPINB1	EI|ELANH2	serpin fa	protein-coding
chr1-2187	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr1	21871805	21882164	+	0	NA	intron (N	AluSx|SIN	60326	NM_001291	3339	Hs.562227	NM_005529	ENSG00000	HSPG2	HSPG|PLC|	heparan s	protein-coding
chr1-3294	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr1	32941653	32942354	+	0	NA	intron (N	AluY|SINE	22806	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr1-3933	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr1	39336132	39342763	+	0	NA	intron (N	L2|LINE|L	-69626	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1793	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	-23529	NM_144696	126859	Hs.658505	NM_144696	ENSG00000	AXDND1	C1orf125	axonemal	protein-coding
chr10-869	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr10	86921908	86924586	+	0	NA	intron (N	intron (N	-32512	NM_001330	6623	Hs.349470	NM_003087	ENSG00000	SNCG	BCSG1|SR	synuclein	protein-coding
chr10-956	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr10	95613169	95616686	+	0	NA	intron (N	L1ME3|LIN	41784	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-103	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	49299	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr10-119	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	5390	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr10-119	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	non-codin	non-codin	-16349	NR_039830	1.01E+08		NR_039830	ENSG00000	MIR4682	-	microRNA	ncRNA
chr11-595	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr11	59584034	59589173	+	0	NA	intron (N	L1MB2|LIN	8555	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr11-116	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	-5937	NM_001159	84811	Hs.437341	NM_032725	ENSG00000	BUD13	Cwc26|fSA	BUD13 hom	protein-coding
chr11-118	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-17010	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr11-118	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	L2|LINE|L	8346	NR_106773	1.02E+08		NR_106773	ENSG00000	MIR6716	hsa-mir-6	microRNA	ncRNA
chr13-236	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr13	23626542	23629160	+	0	NA	intron (N	intron (N	48491	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr15-434	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr15	43456790	43459215	+	0	NA	intron (N	AluSx|SIN	35154	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr16-273	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr16	27344678	27356684	+	0	NA	intron (N	intron (N	36707	NM_001257	3566	Hs.513457	NM_000418	ENSG00000	IL4R	CD124|IL-	interleuk	protein-coding
chr16-532	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr16	53245455	53248717	+	0	NA	intron (N	L2c|LINE|	38635	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr17-324	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr17	32463018	32466955	+	0	NA	intron (N	intron (N	20476	NM_002815	5717	Hs.443379	NM_002815	ENSG00000	PSMD11	Rpn6|S9|p	proteasom	protein-coding
chr17-426	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr17	42668476	42673486	+	0	NA	intron (N	CpG-11168	5030	NR_073574	79990	Hs.632251	NM_024927	ENSG00000	PLEKHH3	-	pleckstri	protein-coding
chr19-165	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr19	16559628	16567695	+	0	NA	intron (N	AluSz|SIN	8754	NM_024881	79939	Hs.620596	NM_024881	ENSG00000	SLC35E1	-	solute ca	protein-coding
chr19-358	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr19	35888058	35890578	+	0	NA	intron (N	AluJr|SIN	10419	NM_001321	84807	Hs.466531	NM_032721	ENSG00000	NFKBID	IkBNS|Ika	NFKB inhi	protein-coding
chr2-2031	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	-110579	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr2-2186	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	20337	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr2-2298	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	42751	NM_001348	9320	Hs.572642	NM_004238	ENSG00000	TRIP12	MRD49|TRI	thyroid h	protein-coding
chr2-2325	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSx4|SI	15138	NM_001330	9470	Hs.292026	NM_004846	ENSG00000	EIF4E2	4E-LP|4EH	eukaryoti	protein-coding
chr2-2413	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	exon (NM_	exon (NM_	19843	NM_001321	4735	Hs.721234	NM_004404	ENSG00000	SEPTIN2	DIFF6|NED	septin 2	protein-coding
chr21-339	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr21	33905774	33913276	+	0	NA	intron (N	AluSz|SIN	6279	NM_001697	539	Hs.409140	NM_001697	ENSG00000	ATP5PO	ATP50|ATF	ATP synth	protein-coding
chr22-245	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr22	24557795	24559772	+	0	NA	intron (N	LTR16B1|L	2784	NM_004175	6634	Hs.356549	NM_004175	ENSG00000	SNRPD3	SMD3|Sm-D	small nuc	protein-coding
chr22-413	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr22	41342674	41358666	+	0	NA	intron (N	L2a|LINE|	-16663	NM_001145	7008	Hs.181159	NM_003216	ENSG00000	TEF	-	TEF trans	protein-coding
chr3-1447	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr3	14477070	14480172	+	0	NA	intron (N	intron (N	61721	NM_001080	80852	Hs.517819	NM_001080	ENSG00000	GRIP2	-	glutamate	protein-coding
chr4-1758	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr4	17581534	17586367	+	0	NA	intron (N	intron (N	6646	NM_015907	51056	Hs.570791	NM_015907	ENSG00000	LAP3	HEL-S-106	leucine a	protein-coding
chr7-6433	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr7	6433629	6435432	+	0	NA	intron (N	intron (N	13424	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr7-9898	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr7	98988317	98993137	+	0	NA	intron (N	intron (N	-22438	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1008	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluY|SINE	-5266	NM_001363	56996	Hs.521087	NM_020246	ENSG00000	SLC12A9	CCC6|CIP1	solute ca	protein-coding
chr7-1395	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	LTR65|LTR	51014	NM_001080	154790	Hs.57806	NM_001080	ENSG00000	CLEC2L	-	C-type le	protein-coding
chr8-1411	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13892	NR_148197	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-1132	8.929794	0.047199	0.777962	0.06067	0.951622	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	10917	NM_001371234								
chr1-4229	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr1	42292770	42293285	+	0	NA	intron (N	AluJb|SIN	41928	NM_001198	22887	Hs.26023	NM_014947	ENSG00000	FOXJ3	-	forkhead	protein-coding
chr1-1114	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	7264	NM_024102	79084	Hs.204773	NM_024102	ENSG00000	WDR77	HKMT1069|	WD repeat	protein-coding
chr10-597	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr10	59792135	59793608	+	0	NA	3’ UTR (N	3’ UTR (N	-39416	NM_001304	1.01E+08	Hs.648790	NM_001304	ENSG00000	MRLN	LINC00948	myoreguli	protein-coding
chr16-482	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr16	48299436	48300052	+	0	NA	exon (NM_	exon (NM_	-52205	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr2-6283	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr2	62835504	62836612	+	0	NA	intron (N	L1PA2|LIN	129161	NM_001354	23301	Hs.271667	NM_015252	ENSG00000	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-1341	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr2	1.34E+08	1.34E+08	+	0	NA	intron (N	LTR12C|LT	3849	NR_037450	1.01E+08		NR_037450	ENSG00000	MIR3679	mir-3679	microRNA	ncRNA
chr5-1755	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	intron (N	31540	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr7-1507	7.681484	-0.05096	0.840244	-0.06064	0.951642	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	Intergeni	AluSc|SIN	29682	NM_001101	28959	Hs.647090	NM_014020	ENSG00000	TMEM176B	LR8|MS4B2	transmemb	protein-coding
chr15-700	6.972565	0.053127	0.877117	0.06057	0.951702	0.981636	chr15	70051127	70053012	+	0	NA	intron (N	MIRb|SINE	27399	NR_030714	693214		NR_030714	ENSG00000	MIR629	MIRN629|h	microRNA	ncRNA
chr17-595	6.972565	0.053127	0.877117	0.06057	0.951702	0.981636	chr17	59599006	59600164	+	0	NA	intron (N	intron (N	-20104	NM_001288	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr19-405	5.494359	0.059596	0.984832	0.060514	0.951747	0.981636	chr19	40582830	40584149	+	0	NA	intron (N	intron (N	6616	NM_138392	92799	Hs.26506	NM_138392	ENSG00000	SHKBP1	PP203|Sb1	SH3KBP1 b	protein-coding
chr1-1010	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	MSTA-int|	15034	NR_109849	1.03E+08	Hs.593669	NR_109849		LOC102606	-	uncharact	ncRNA
chr12-129	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr12	12912246	12914181	+	0	NA	3’ UTR (N	3’ UTR (N	-2616	NR_030345	693199		NR_030345	ENSG00000	MIR614	MIRN614|h	microRNA	ncRNA
chr13-322	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr13	32277012	32277892	+	0	NA	intron (N	MIRb|SINE	34502	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-111	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1M1|LINE	16627	NM_001354	8874	Hs.508738	NM_003899	ENSG00000	ARHGEF7	BETA-PIX|	Rho guani	protein-coding
chr2-2327	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-11072	NM_001172	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr5-1391	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr5	13912826	13914149	+	0	NA	intron (N	intron (N	30993	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-3149	6.205127	-0.05605	0.928869	-0.06034	0.951881	0.981636	chr5	31497135	31499124	+	0	NA	intron (N	LTR69|LTR	33964	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr1-1785	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	1785788	1793534	+	0	NA	intron (N	AluSp|SIN	-9630	NM_001353	65220	Hs.654792	NM_023018	ENSG00000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-2855	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	28559842	28563025	+	0	NA	intron (N	intron (N	8348	NM_017846	54952	Hs.533626	NM_017846	ENSG00000	TRNAU1AP	PRO1902|S	tRNA sele	protein-coding
chr1-3562	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	35629348	35633048	+	0	NA	intron (N	intron (N	339	NM_001199	5690	Hs.471441	NM_002794	ENSG00000	PSMB2	HC7-I	proteasom	protein-coding
chr1-1199	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	LTR55|LTR	-40009	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr1-1602	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-3220	NR_123725	729867	Hs.674191	NR_123725	ENSG00000	LOC729867	-	uncharact	ncRNA
chr1-2056	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	TTS (NM_0	TTS (NM_0	13506	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr10-316	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr10	3161047	3167404	+	0	NA	intron (N	intron (N	8491	NM_001347	10531	Hs.528300	NM_014889	ENSG00000	PITRM1	MP1|PreP	pitrilysi	protein-coding
chr10-300	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr10	30035823	30049520	+	0	NA	intron (N	intron (N	16915	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr10-102	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-3267	NM_001284	9221	Hs.523238	NM_004741	ENSG00000	NOLC1	NOPP130|N	nucleolar	protein-coding
chr11-240	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	240312	249373	+	0	NA	intron (N	L1MC4|LIN	7866	NM_002817	5719	Hs.134688	NM_002817	ENSG00000	PSMD13	HSPC027|F	proteasom	protein-coding
chr11-375	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	3756809	3769269	+	0	NA	exon (NM_	exon (NM_	34507	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUP	nucleopor	protein-coding
chr11-626	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	62635129	62639892	+	0	NA	intron (N	L1ME3F|LI	2708	NM_001329	23193	Hs.595071	NM_014610	ENSG00000	GANAB	G2AN|GIIA	glucosida	protein-coding
chr11-627	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	62737496	62741223	+	0	NA	TTS (NM_0	TTS (NM_0	10873	NM_173810	283237	Hs.31704	NM_173810	ENSG00000	TTC9C	-	tetratric	protein-coding
chr11-937	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	93788397	93803475	+	0	NA	intron (N	intron (N	11654	NM_004268	9440	Hs.444931	NM_004268	ENSG00000	MED17	CRSP6|CRS	mediator	protein-coding
chr11-130	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	-9407	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG00000	LOC103611	-	uncharact	ncRNA
chr12-486	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr12	48657698	48675279	+	0	NA	TTS (NR_0	TTS (NR_0	1105	NR_002951	677794	Hs.683444	NR_002951	ENSG00000	SNORA2B	ACA2b	small nuc	snoRNA
chr12-881	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr12	88162673	88163672	+	0	NA	intron (N	AluSp|SIN	20865	NM_001366	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMIL	transmemb	protein-coding
chr12-108	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MIRb|SINE	29026	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr13-197	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr13	19770415	19772538	+	0	NA	intron (N	AluSz6|SI	11469	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-200	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr13	20036422	20038748	+	0	NA	intron (N	intron (N	-65116	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr14-390	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr14	39069723	39077794	+	0	NA	intron (N	AluSg7|SI	-29382	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr14-737	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr14	73735244	73737276	+	0	NA	intron (N	L1MEg|LIN	-21876	NM_006029	9240	Hs.194709	NM_006029	ENSG00000	PNMA1	MA1	PNMA fami	protein-coding
chr15-490	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr15	49004187	49013729	+	0	NA	intron (N	intron (N	37488	NM_001193	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr15-504	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr15	50489759	50495093	+	0	NA	intron (N	intron (N	54240	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr16-298	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr16	29844031	29849085	+	0	NA	intron (N	intron (N	16043	NM_001293	9961	Hs.632177	NM_005115	ENSG00000	MVP	LRP|VAULT	major vau	protein-coding
chr16-717	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr16	71753801	71757367	+	0	NA	intron (N	intron (N	2903	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr17-182	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr17	18245007	18250400	+	0	NA	exon (NM_	exon (NM_	11035	NM_002018	2314	Hs.513984	NM_002018	ENSG00000	FLII	FLI|FLIL|	FLII acti	protein-coding
chr17-638	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr17	63829392	63834650	+	0	NA	TTS (NM_0	TTS (NM_0	4337	NM_001199	5705	Hs.79387	NM_002805	ENSG00000	PSMC5	S8|SUG-1|	proteasom	protein-coding
chr17-815	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr17	81584832	81592451	+	0	NA	intron (N	AluJo|SIN	-11208	NR_130139	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homo	protein-coding
chr18-241	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr18	24132337	24133099	+	0	NA	3’ UTR (N	3’ UTR (N	-6238	NM_001308	26256	Hs.511983	NM_012189	ENSG00000	CABYR	CABYRa|CA	calcium b	protein-coding
chr18-361	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr18	36142275	36149320	+	0	NA	intron (N	L1ME3C|LI	15898	NM_001242	55250	Hs.8739	NM_018255	ENSG00000	ELP2	MRT58|SHI	elongator	protein-coding
chr19-484	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr19	4845659	4863678	+	0	NA	intron (N	intron (N	12999	NM_001164	10226	Hs.140452	NM_005817	ENSG00000	PLIN3	M6PRBP1|F	perilipin	protein-coding
chr19-129	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr19	12948022	12951287	+	0	NA	intron (N	MIR|SINE|	3792	NM_005053	5886	Hs.643267	NM_005053	ENSG00000	RAD23A	HHR23A|HR	RAD23 hom	protein-coding
chr19-185	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr19	18573034	18577443	+	0	NA	3’ UTR (N	3’ UTR (N	2398	NM_001321	7311	Hs.5308	NM_003333	ENSG00000	UBA52	CEP52|HUB	ubiquitin	protein-coding
chr19-577	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr19	57773278	57787215	+	0	NA	3’ UTR (N	3’ UTR (N	10570	NM_017652	54807	Hs.625133	NM_017652	ENSG00000	ZNF586	-	zinc fing	protein-coding
chr2-3359	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr2	33591144	33595308	+	0	NA	intron (N	AluSz6|SI	6073	NM_015475	25940	Hs.468140	NM_015475	ENSG00000	FAM98A	-	family wi	protein-coding
chr2-3901	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr2	39013383	39014173	+	0	NA	intron (N	intron (N	-53434	NR_028386	375196	Hs.659035	NR_028386	ENSG00000	LOC375196	-	uncharact	ncRNA
chr2-1275	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	23698	NM_017969	55677	Hs.469879	NM_017969	ENSG00000	IWS1	-	interacts	protein-coding
chr2-2032	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	HERV3-int	14641	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr2-2310	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	L4_B_Mam|	6570	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr20-106	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr20	10654608	10664308	+	0	NA	intron (N	intron (N	-9763	NR_106930	1.02E+08		NR_106930	ENSG00000	MIR6870	hsa-mir-6	microRNA	ncRNA
chr20-350	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr20	35047073	35050098	+	0	NA	intron (N	L1ME3F|LI	44222	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr20-445	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr20	44504502	44511477	+	0	NA	intron (N	intron (N	14081	NM_006811	10955	Hs.272168	NM_006811	ENSG00000	SERINC3	AIGP1|DIF	serine in	protein-coding
chr22-314	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr22	31402467	31407570	+	0	NA	intron (N	intron (N	5414	NM_004147	4733	Hs.115242	NM_004147	ENSG00000	DRG1	NEDD3	developme	protein-coding
chr3-1701	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluJo|SIN	13817	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr3-1795	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr3	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	10979	NM_020409	57129	Hs.283734	NM_020409	ENSG00000	MRPL47	CGI-204|I	mitochond	protein-coding
chr4-4278	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr4	4278438	4279642	+	0	NA	intron (N	intron (N	10981	NM_001145	55646	Hs.425427	NM_017816	ENSG00000	LYAR	ZC2HC2|ZL	Ly1 antib	protein-coding
chr4-1688	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	LTR79|LTR	31212	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr4-1836	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	8690	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr5-7385	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr5	73857847	73859114	+	0	NA	intron (N	L2a|LINE|	44934	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr5-1346	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluY|SINE	-26768	NM_001745	819	Hs.529846	NM_001745	ENSG00000	CAMLG	CAML|GET2	calcium m	protein-coding
chr5-1507	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	18657	NM_032947	85027	Hs.29444	NM_032947	ENSG00000	SMIM3	C5orf62|M	small int	protein-coding
chr6-4220	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr6	42205112	42212300	+	0	NA	intron (N	intron (N	9155	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochond	protein-coding
chr6-4363	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr6	43637762	43642275	+	0	NA	intron (N	intron (N	4178	NM_014628	9587	Hs.122346	NM_014628	ENSG00000	MAD2L1BP	CMT2	MAD2L1 bi	protein-coding
chr6-1316	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	L2a|LINE|	8978	NM_004830	9439	Hs.29679	NM_004830	ENSG00000	MED23	ARC130|CR	mediator	protein-coding
chr7-8719	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr7	87191341	87197326	+	0	NA	intron (N	intron (N	25399	NM_024315	79161	Hs.619593	NM_024315	ENSG00000	TMEM243	C7orf23|M	transmemb	protein-coding
chr7-1026	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	5101	NM_001114	1E+08	Hs.610255	NM_001114	ENSG00000	UPK3BL1	UPK3BL|UP	uroplakin	protein-coding
chr8-2664	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr8	26643257	26651321	+	0	NA	intron (N	L1MD2|LIN	68884	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr9-3326	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr9	33268566	33272812	+	0	NA	exon (NM_	exon (NM_	5640	NM_016410	51510	Hs.635313	NM_016410	ENSG00000	CHMP5	C9orf83|C	charged m	protein-coding
chr9-9351	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr9	93516011	93516872	+	0	NA	intron (N	intron (N	-60143	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr9-1103	9.408817	0.045671	0.757721	0.060274	0.951938	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-48126	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr18-271	10.83803	0.043154	0.716	0.060271	0.95194	0.981636	chr18	2718124	2719154	+	0	NA	intron (N	AluSx1|SI	62752	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr1-1026	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	10268352	10269567	+	0	NA	intron (N	MIR|SINE|	-30007	NR_104084	1.02E+08		NR_104084	ENSG00000	RNU6-7	U6-7	RNA, U6 s	snRNA

chr1-3232	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	32324139	32328856	+	0	NA	intron (N	MER112|DN	9736	NM_023009	65108	Hs.75061	NM_023009	ENSG00000	MARCKSL1	F52|MACMA	MARCKS li	protein-coding
chr1-4367	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	43679493	43680817	+	0	NA	intron (N	intron (N	27186	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr1-4671	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	46714762	46716712	+	0	NA	intron (N	intron (N	3377	NM_014774	9813	Hs.707688	NM_014774	ENSG00000	EFCAB14	KIAA0494	EF-hand c	protein-coding
chr1-6665	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	66654132	66657121	+	0	NA	intron (N	Tigger3b|	27186	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-8450	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	84509201	84510036	+	0	NA	intron (N	AluSx|SIN	-3037	NM_005274	2787	Hs.645427	NM_005274	ENSG00000	GNG5	-	G protein	protein-coding
chr1-1087	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1PREC2|L	17706	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr10-458	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr10	45886618	45888237	+	0	NA	intron (N	intron (N	-33550	NM_001291	119016	Hs.314437	NM_133446	ENSG00000	AGAP4	AGAP-4|AG	ArfGAP wi	protein-coding
chr10-120	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	57839	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr10-133	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	L1ME1|LIN	9117	NM_001012	503542	Hs.64968	NM_001012	ENSG00000	SPRN	SHADOO|SH	shadow of	protein-coding
chr12-496	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr12	49643828	49644338	+	0	NA	3’ UTR (N	3’ UTR (N	13539	NM_001363	25766	Hs.706827	NM_012272	ENSG00000	PRPF40B	HYPC	pre-mRNA	protein-coding
chr13-110	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJr|SIN	41746	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr15-646	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr15	64678368	64679143	+	0	NA	intron (N	intron (N	24526	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr15-944	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr15	94457656	94458806	+	0	NA	exon (NM_	exon (NM_	102301	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr17-507	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr17	50737503	50738304	+	0	NA	intron (N	MER105|DN	18300	NM_001330	51747	Hs.130293	NM_006107	ENSG00000	LUC7L3	CRA|CREAF	LUC7 like	protein-coding
chr19-373	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr19	37355298	37356852	+	0	NA	intron (N	L1PA17|LI	-15024	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr2-1098	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	40813	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr2-1125	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L1MEg|LIN	-26783	NM_001137	84172	Hs.745127	NM_019014	ENSG00000	POLR1B	RPA135|RF	RNA polym	protein-coding
chr2-1282	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	51322	NM_004807	9394	Hs.512841	NM_004807	ENSG00000	HS6ST1	HH15|HS6S	heparan s	protein-coding
chr2-1866	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	exon (NM_	exon (NM_	-17174	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr2-2186	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	14126	NM_001366	7701	Hs.657969	NM_001105	ENSG00000	ZNF142	HA4654|NE	zinc fing	protein-coding
chr2-2373	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	MIRc|SINE	14708	NM_057166	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr20-639	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr20	63942375	63944593	+	0	NA	promoter-	promoter-	-758	NR_030377	693232		NR_030377	ENSG00000	MIR647	MIRN647|h	microRNA	ncRNA
chr21-420	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr21	42006969	42008240	+	0	NA	intron (N	L2c|LINE|	-1590	NR_119384	150142	Hs.143833	NM_198078	ENSG00000	ZNF295-AS	C21orf121	ZNF295 ar	ncRNA
chr3-7104	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr3	71042380	71046795	+	0	NA	intron (N	intron (N	20337	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1226	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	19941	NM_017554	54625	Hs.518203	NM_017554	ENSG00000	PARP14	ARTD8|BAL	poly(ADP-	protein-coding
chr3-1247	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	33534	NR_036088	1E+08		NR_036088	ENSG00000	MIR544B	-	microRNA	ncRNA
chr3-1499	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	L1PA5|LIN	26126	NM_002628	5217	Hs.91747	NM_002628	ENSG00000	PFN2	D3S1319E|	profilin	protein-coding
chr4-1866	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	49144	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-3731	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	37316548	37317326	+	0	NA	intron (N	AluY|SINE	54169	NM_153485	9631	Hs.547696	NM_004298	ENSG00000	NUP155	ATFB15|N1	nucleopor	protein-coding
chr5-6558	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	65582242	65587756	+	0	NA	intron (N	intron (N	21703	NM_015342	23398	Hs.121432	NM_015342	ENSG00000	PPWD1	-	peptidylp	protein-coding
chr5-1296	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L2b|LINE|	-97131	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1296	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx3|SI	-67360	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1404	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	Charlie15	42051	NM_017978	54882	Hs.594084	NM_017747	ENSG00000	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr5-1505	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	MIR|SINE|	14118	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding
chr6-1070	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr6	10702123	10706239	+	0	NA	intron (N	AluSz|SIN	9209	NM_017906	55003	Hs.310231	NM_017906	ENSG00000	PAK1IP1	MAK11|PIF	PAK1 inte	protein-coding
chr6-3326	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr6	33266573	33268042	+	0	NA	exon (NM_	exon (NM_	4569	NM_022553	6293	Hs.480356	NM_022553	ENSG00000	VPS52	ARE1|SAC2	VPS52 sub	protein-coding
chr7-1490	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	non-codin	non-codin	16065	NR_130107	1.03E+08	Hs.621982	NR_130107	ENSG00000	GHET1	lncRNA-GH	gastric c	ncRNA
chr7-1571	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSx1|SI	51170	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr9-7638	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr9	76387597	76388622	+	0	NA	intron (N	intron (N	6317	NM_018339	55312	Hs.37558	NM_018339	ENSG00000	RFK	RIFK	riboflavi	protein-coding
chr9-9810	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr9	98106489	98107990	+	0	NA	intron (N	L1MD2|LIN	11983	NM_014788	9830	Hs.575631	NM_014788	ENSG00000	TRIM14	-	tripartit	protein-coding
chr9-1140	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	MER102c|D	48711	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-1372	7.186745	-0.05176	0.858814	-0.06026	0.951945	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSg|SIN	-10225	NM_017723	54863	Hs.495541	NM_017723	ENSG00000	TOR4A	C9orf167	torsin fa	protein-coding
chr15-446	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr15	44603351	44606071	+	0	NA	intron (N	AluY|SINE	58951	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-654	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr15	65499902	65500640	+	0	NA	intron (N	AluSp|SIN	17003	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr15-805	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr15	80515600	80516559	+	0	NA	intron (N	AluSq2|SI	46865	NR_120363	1.02E+08	Hs.569426	NR_120363	ENSG00000	LOC101929	-	uncharact	ncRNA
chr18-511	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr18	51176386	51176783	+	0	NA	exon (NM_	exon (NM_	21097	NM_016626	51320	Hs.465144	NM_016626	ENSG00000	MEX3C	BM-013|ME	mex-3 RNA	protein-coding
chr20-344	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr20	34456786	34458412	+	0	NA	intron (N	intron (N	-8726	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-472	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr20	47224558	47224757	+	0	NA	intron (N	L1PA14|LI	57690	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr20-496	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr20	49637057	49637465	+	0	NA	intron (N	intron (N	-69124	NM_000961	5740	Hs.302085	NM_000961	ENSG00000	PTGIS	CYP8|CYP8	prostagla	protein-coding
chr22-298	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr22	29811253	29813190	+	0	NA	intron (N	intron (N	26053	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatin	protein-coding
chr3-1541	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr3	15410701	15411450	+	0	NA	3’ UTR (N	3’ UTR (N	16469	NM_001330	131965	Hs.149487	NM_152396	ENSG00000	METTL6	-	methyltra	protein-coding
chr3-1856	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	20355	NM_021627	59343	Hs.401388	NM_021627	ENSG00000	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr4-8480	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr4	84809416	84810271	+	0	NA	intron (N	intron (N	-155773	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr4-1836	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	21252	NM_021942	60684	Hs.443240	NM_021942	ENSG00000	TRAPPC11	C4orf41|F	trafficki	protein-coding
chr6-3487	8.119366	-0.04899	0.815142	-0.0601	0.952077	0.981636	chr6	34878282	34880480	+	0	NA	intron (N	intron (N	8661	NM_005643	6882	Hs.112444	NM_005643	ENSG00000	TAF11	MGC:15243	TATA-box	protein-coding
chr1-2296	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	exon (NM_	exon (NM_	10116	NM_014777	9816	Hs.533628	NM_014777	ENSG00000	URB2	KIAA0133|	URB2 ribo	protein-coding
chr1-2432	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	AluSx1|SI	45940	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-998	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr10	99891352	99893243	+	0	NA	intron (N	SVA_F|Ret	21795	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr12-497	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr12	49791365	49793620	+	0	NA	exon (NM_	exon (NM_	35921	NM_001368	57701	Hs.143067	NM_001037	ENSG00000	NCKAP5L	Cep169|FF	NCK assoc	protein-coding
chr14-912	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr14	91210178	91211887	+	0	NA	intron (N	L1MC|LINE	33672	NM_001177	8111	Hs.8882	NM_003485	ENSG00000	GPR68	AI2A6|GPR	G protein	protein-coding
chr15-430	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr15	43073670	43074807	+	0	NA	intron (N	intron (N	31800	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-753	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr15	75377523	75384307	+	0	NA	intron (N	intron (N	-12288	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr16-703	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr16	70320624	70323672	+	0	NA	intron (N	AluJo|SIN	23095	NM_001257	11269	Hs.221761	NM_007242	ENSG00000	DDX19B	DBP5|DDX1	DEAD-box	protein-coding
chr16-716	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr16	71662298	71664178	+	0	NA	intron (N	AluSx3|SI	35463	NR_033337	1E+08	Hs.725116	NR_033337	ENSG00000	SNORA70D	U70D	small nuc	snoRNA
chr19-103	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr19	10324026	10331435	+	0	NA	intron (N	MIR|SINE|	5799	NM_001366	125950	Hs.744952	NM_133452	ENSG00000	RAVER1	-	ribonucle	protein-coding
chr2-2892	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr2	28923756	28926416	+	0	NA	exon (NM_	exon (NM_	-1981	NR_002741	26796		NR_002741	ENSG00000	SNORD53	RNU53|SNO	small nuc	snoRNA
chr20-472	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr20	47234704	47236644	+	0	NA	intron (N	AluSx|SIN	68707	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr3-1131	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr3	11313772	11318942	+	0	NA	intron (N	intron (N	43960	NM_001144	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-1421	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	-20681	NM_001178	7029	Hs.379018	NM_006286	ENSG00000	TFDP2	DP2	transcrip	protein-coding
chr4-8663	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr4	86636360	86637969	+	0	NA	intron (N	L1PA3|LIN	42849	NM_006264	5783	Hs.436142	NM_006264	ENSG00000	PTPN13	FAP-1|PNP	protein t	protein-coding
chr4-1076	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	34128	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr5-5537	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr5	55378706	55381035	+	0	NA	intron (N	intron (N	71881	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr5-6939	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr5	69399221	69401639	+	0	NA	intron (N	AluSc8|SI	-14686	NM_001244	153562	Hs.657687	NM_144724	ENSG00000	MARVELD2	DFNB49|MA	MARVEL do	protein-coding
chr6-1088	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MC1|LIN	8555	NM_032131	84071	Hs.645481	NM_032131	ENSG00000	ARMC2	SPGF38|bA	armadillo	protein-coding
chr7-1024	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	non-codin	non-codin	-7914	NM_001271	80228	Hs.363308	NM_032831	ENSG00000	ORAI2	C7orf19|C	ORAI calc	protein-coding
chr7-1433	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr7	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	5490	NR_106952	1.02E+08		NR_106952	ENSG00000	MIR6892	hsa-mir-6	microRNA	ncRNA
chr8-6164	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr8	61644872	61646196	+	0	NA	intron (N	intron (N	44277	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr9-1243	7.451588	0.0508	0.845779	0.060064	0.952105	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	MER91A|DN	11079	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr1-6632	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr1	6632195	6633230	+	0	NA	intron (N	intron (N	7562	NM_001195	90326	Hs.689006	NM_138350	ENSG00000	THAP3	-	THAP doma	protein-coding
chr1-2174	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr1	21747643	21748640	+	0	NA	exon (NM_	exon (NM_	35008	NM_001350	84196	Hs.467524	NM_032236	ENSG00000	USP48	RAP1GA1|U	ubiquitin	protein-coding
chr10-731	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr10	73130281	73131190	+	0	NA	exon (NM_	exon (NM_	-4528	NR_145776	1.1E+08		NR_145776	ENSG00000	SNORA11F	-	small nuc	snoRNA
chr13-252	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr13	25256129	25258849	+	0	NA	intron (N	intron (N	29999	NM_004685	9107	Hs.643702	NM_004685	ENSG00000	MTMR6	-	myotubula	protein-coding
chr18-488	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr18	48857121	48857529	+	0	NA	intron (N	intron (N	85482	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr2-3245	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr2	32454895	32456318	+	0	NA	intron (N	AluSx1|SI	-76547	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr3-7305	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr3	73050639	73051153	+	0	NA	intron (N	L1MD|LINE	-10763	NM_018029	55096	Hs.658858	NM_018029	ENSG00000	EBLN2	EBLN-2	endogenou	protein-coding
chr7-7583	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr7	758348	758659	+	0	NA	intron (N	intron (N	-30827	NM_001164	5575	Hs.520851	NM_002735	ENSG00000	PRKAR1B	PRKAR1	protein k	protein-coding
chr8-1301	6.923568	0.052898	0.881145	0.060033	0.95213	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-94172	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr14-519	8.880797	0.046994	0.783217	0.060002	0.952154	0.981636	chr14	51994617	51995667	+	0	NA	intron (N	intron (N	5596	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr15-515	8.880797	0.046994	0.783217	0.060002	0.952154	0.981636	chr15	51531697	51532490	+	0	NA	intron (N	L1MA2|LIN	90678	NM_015263	23312	Hs.511386	NM_015263	ENSG00000	DMXL2	DFNA71|PE	Dmx like	protein-coding
chr22-304	8.880797	0.046994	0.783217	0.060002	0.952154	0.981636	chr22	30416066	30416790	+	0	NA	exon (NM_	exon (NM_	-9340	NM_016498	51537	Hs.713636	NM_016498	ENSG00000	MTFP1	HSPC242|M	mitochonc	protein-coding
chr3-1722	8.880797	0.046994	0.783217	0.060002	0.952154	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	196487	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr7-8399	8.880797	0.046994	0.783217	0.060002	0.952154	0.981636	chr7	83995093	83995341	+	0	NA	intron (N	L1PA2|LIN	199572	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr1-1095	7.137748	-0.05226	0.873202	-0.05984	0.95228	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-15762	NR_029583	406974		NR_029583	ENSG00000	MIR197	MIRN197|m	microRNA	ncRNA
chr16-503	7.137748	-0.05226	0.873202	-0.05984	0.95228	0.981636	chr16	50345068	50345303	+	0	NA	intron (N	L1PA5|LIN	23803	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CELT	bromodoma	protein-coding
chr2-2308	7.137748	-0.05226	0.873202	-0.05984	0.95228	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	-53295	NM_001287	81618	Hs.111577	NM_030926	ENSG00000	ITM2C	BRI3|BRIC	integral	protein-coding
chr22-312	7.137748	-0.05226	0.873202	-0.05984	0.95228	0.981636	chr22	31202925	31203225	+	0	NA	intron (N	intron (N	-9223	NM_005569	3985	Hs.474596	NM_005569	ENSG00000	LIMK2	-	LIM domai	protein-coding
chr7-2330	7.137748	-0.05226	0.873202	-0.05984	0.95228	0.981636	chr7	23305803	23306642	+	0	NA	intron (N	L1MB3|LIN	6883	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr1-4275	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr1	42753575	42756897	+	0	NA	intron (N	intron (N	11848	NM_022356	64175	Hs.720014	NM_022356	ENSG00000	P3H1	GROS1|LEP	prolyl 3-	protein-coding
chr1-5395	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr1	53951708	53952930	+	0	NA	exon (NM_	exon (NM_	5969	NM_001256	115353	Hs.40094	NM_052940	ENSG00000	LRRC42	dJ167A19.	leucine r	protein-coding
chr1-9389	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr1	93890696	93897493	+	0	NA	intron (N	AluJb|SIN	-14888	NM_014597	30836	Hs.85769	NM_014597	ENSG00000	DNTTIP2	ERBP|FCF2	deoxynucl	protein-coding
chr1-1199	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-25944	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr10-997	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr10	99706184	99707525	+	0	NA	3’ UTR (N	3’ UTR (N	-25380	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr13-327	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr13	32770145	32771717	+	0	NA	intron (N	intron (N	140721	NR_047020	1.01E+08	Hs.406290	NR_047020		LINC00423	-	long inte	ncRNA
chr14-309	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr14	30911009	30912292	+	0	NA	intron (N	intron (N	-21842	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr15-410	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr15	41058510	41067074	+	0	NA	intron (N	MSTD|LTR|	53454	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-414	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr15	41469254	41473359	+	0	NA	exon (NM_	exon (NM_	-22568	NM_002220	3706	Hs.2722	NM_002220	ENSG00000	ITPKA	IP3-3KA|I	inositol-	protein-coding
chr15-438	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr15	43803155	43817573	+	0	NA	intron (N	AluY|SINE	9943	NM_001199	25764	Hs.730672	NM_016400	ENSG00000	HYPK	C15orf63|	huntingti	protein-coding
chr16-697	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr16	69743757	69752166	+	0	NA	intron (N	AluSz|SIN	6965	NM_014062	28987	Hs.271695	NM_014062	ENSG00000	NOB1	ART-4|MST	NIN1 (RPN	protein-coding
chr17-406	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr17	40628817	40638256	+	0	NA	intron (N	intron (N	14282	NM_003079	6605	Hs.743978	NM_003079	ENSG00000	SMARCE1	BAF57|CSS	SWI/SNF r	protein-coding
chr17-501	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr17	50137246	50143060	+	0	NA	exon (NM_	exon (NM_	-9993	NM_001257	201191	Hs.567769	NM_174920	ENSG00000	SAMD14	-	sterile a	protein-coding
chr17-637	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr17	63786677	63816282	+	0	NA	intron (N	7SLRNA|sr	-25952	NM_002805	5705	Hs.79387	NM_002805	ENSG00000	PSMC5	S8|SUG-1|	proteasom	protein-coding
chr2-2014	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	22833	NM_001206	55437	Hs.652338	NM_018571	ENSG00000	STRADB	ALS2CR2|C	STE20 rel	protein-coding
chr2-2275	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr2	2.28E+08	2.28E+08	+	0	NA	intron (N	L1PA5|LIN	68285	NM_001135	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|F	ArfGAP wi	protein-coding
chr20-352	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr20	35278763	35281018	+	0	NA	intron (N	intron (N	-1768	NM_001355	1.11E+08		NM_001355008		MMP24-AS1	-	MMP24-AS1	protein-coding
chr20-411	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr20	41111976	41126445	+	0	NA	intron (N	Charlie4a	-18333	NM_182811	5335	Hs.268177	NM_002660	ENSG00000	PLCG1	NCKAP3|PL	phospholi	protein-coding
chr3-1415	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	MSTA|LTR|	30530	NM_001303	5922	Hs.98445	NM_006506	ENSG00000	RASA2	GAP1M	RAS p21 p	protein-coding
chr3-1856	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	MLT1L|LTR	-29368	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr4-7082	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr4	70829741	70836058	+	0	NA	intron (N	AluSx|SIN	6604	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr4-1052	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	THE1B|LTR	82939	NR_126420	1.04E+08	Hs.624109	NR_126420		TET2-AS1	-	TET2 anti	ncRNA
chr6-4362	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr6	43620953	43627196	+	0	NA	intron (N	intron (N	3279	NM_001286	54676	Hs.485449	NM_019096	ENSG00000	GTPBP2	JABELS	GTP bindi	protein-coding
chr9-1323	9.887839	0.044287	0.740387	0.059816	0.952302	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MEh|LIN	14577	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr5-6956	11.41504	0.042313	0.708634	0.059711	0.952386	0.981636	chr5	69563288	69564130	+	0	NA	intron (N	L1PA16|LI	3464	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr1-2186	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr1	21868836	21869593	+	0	NA	intron (N	intron (N	56949	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding

chr1-1554	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluY|SINE	16411	NR_034180	645682	Hs.632482	NR_034180	ENSG00000	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr11-779	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr11	77937402	77938012	+	0	NA	intron (N	AluJo|SIN	56961	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTO	integrato	protein-coding
chr16-744	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr16	74475041	74475973	+	0	NA	intron (N	intron (N	-54037	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr17-793	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr17	7934438	7935044	+	0	NA	intron (N	intron (N	2535	NM_001353	116840	Hs.348012	NM_053051	ENSG00000	CNTROB	LIP8|PP12	centrobin	protein-coding
chr17-667	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr17	66736616	66737537	+	0	NA	intron (N	AluY|SINE	-49996	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr2-1993	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr2	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	77100	NR_134967	23314	Hs.516617	NM_015265	ENSG00000	SATB2	GLSS	SATB home	protein-coding
chr20-372	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr20	37237605	37238362	+	0	NA	intron (N	AluJb|SIN	18925	NM_021081	2691	Hs.37023	NM_021081	ENSG00000	GHRH	GHRF|GRF|	growth ho	protein-coding
chr4-1406	5.973381	0.05614	0.940251	0.059708	0.952388	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-17762	NR_077215	644962	Hs.676500	NR_077215		TNRC18P1	-	trinucleo	pseudo
chr2-1444	9.100985	-0.04674	0.783079	-0.05969	0.9524	0.981636	chr2	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-28614	NR_040248	1E+08	Hs.560789	NR_040248	ENSG00000	ZEB2-AS1	ZEB2-AS|Z	ZEB2 anti	ncRNA
chr9-5742	9.100985	-0.04674	0.783079	-0.05969	0.9524	0.981636	chr9	5742966	5744129	+	0	NA	intron (N	intron (N	89570	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr19-144	5.445361	0.059489	0.999196	0.059536	0.952525	0.981636	chr19	14466199	14466465	+	0	NA	intron (N	AluJb|SIN	9022	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr20-114	5.445361	0.059489	0.999196	0.059536	0.952525	0.981636	chr20	1140753	1141671	+	0	NA	intron (N	L1MB8|LIN	22610	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr1-1922	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	19222572	19231993	+	0	NA	intron (N	MIRb|SINE	16896	NR_135115	1.02E+08	Hs.660534	NR_135114	ENSG00000	EMC1-AS1	-	EMC1 anti	ncRNA
chr1-3280	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	32802241	32804937	+	0	NA	intron (N	Tigger1|D	-13853	NM_001256	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr1-3591	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	35918917	35920529	+	0	NA	3’ UTR (N	3’ UTR (N	-11382	NM_177422	192669	Hs.657659	NM_024852	ENSG00000	AGO3	EIF2C3	argonaute	protein-coding
chr1-5180	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	51802175	51804405	+	0	NA	intron (N	AluSz|SIN	33112	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-6815	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	68158111	68159266	+	0	NA	intron (N	MER30|DNA	24922	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-7778	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	77783546	77788890	+	0	NA	intron (N	THE1B-int	6413	NM_001363	374986	Hs.437755	NM_198549	ENSG00000	MIGA1	FAM73A	mitoguard	protein-coding
chr1-1002	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	L1PA7|LIN	-27627	NM_001256	127495	Hs.44277	NM_144620	ENSG00000	LRRC39	-	leucine r	protein-coding
chr1-1625	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	31227	NM_001324	6675	Hs.492859	NM_003115	ENSG00000	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr1-2263	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	40340	NM_001618	142	Hs.177766	NM_001618	ENSG00000	PARP1	ADPRT|ADP	poly(ADP-	protein-coding
chr1-2365	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-24304	NR_034040	1E+08	Hs.677376	NR_034040	ENSG00000	LGALS8-AS	-	LGALS8 an	ncRNA
chr1-2403	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	L1MEc|LIN	232963	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr10-103	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	13429	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr11-475	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr11	47573391	47575433	+	0	NA	TTS (NM_0	TTS (NM_0	4359	NM_001318	55709	Hs.718483	NM_016506	ENSG00000	KBTBD4	BKLHD4|HS	kelch rep	protein-coding
chr11-737	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr11	73704206	73705229	+	0	NA	intron (N	AluY|SINE	55376	NM_001243	5870	Hs.503222	NM_002869	ENSG00000	RAB6A	RAB6	RAB6A, me	protein-coding
chr11-119	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-3579	NR_003040	649946	Hs.647213	NR_003040		RPL23AP64	RPL23A_25	ribosomal	pseudo
chr12-487	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr12	48701798	48706258	+	0	NA	intron (N	intron (N	12679	NM_001240	904	Hs.92308	NM_001240	ENSG00000	CCNT1	CCNT|CYCT	cyclin T1	protein-coding
chr12-952	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr12	95252548	95253789	+	0	NA	intron (N	intron (N	35361	NM_017599	55591	Hs.24135	NM_017599	ENSG00000	VEZT	VEZATIN	vezatin,	protein-coding
chr12-111	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-8756	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr13-110	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	AluY|SINE	-9034	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr14-556	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr14	55677926	55680560	+	0	NA	intron (N	intron (N	-87002	NR_004844	645683	Hs.663461	NR_004844	ENSG00000	RPL13AP3	RPL13A_11	ribosomal	pseudo
chr14-601	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr14	60144038	60146250	+	0	NA	3’ UTR (N	3’ UTR (N	20254	NM_016029	51635	Hs.59719	NM_016029	ENSG00000	DHRS7	CGI-86|SD	dehydroge	protein-coding
chr14-815	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr14	81502528	81504877	+	0	NA	intron (N	intron (N	30151	NM_005065	6400	Hs.181300	NM_005065	ENSG00000	SEL1L	Hrd3|PRO1	SEL1L ada	protein-coding
chr15-407	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr15	40733905	40736631	+	0	NA	TTS (NM_0	TTS (NM_0	19986	NM_018145	55177	Hs.511067	NM_018145	ENSG00000	RMDN3	FAM82A2|F	regulator	protein-coding
chr15-753	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr15	75388100	75390180	+	0	NA	intron (N	intron (N	-20513	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr15-784	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr15	78476697	78479144	+	0	NA	intron (N	AluJr|SIN	-29644	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr16-482	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr16	4828235	4833326	+	0	NA	intron (N	intron (N	16508	NM_032569	84656	Hs.387255	NM_032569	ENSG00000	GLYR1	BM045|HIB	glyoxylat	protein-coding
chr16-188	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr16	18870983	18872407	+	0	NA	intron (N	intron (N	54709	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr16-712	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr16	71285037	71286062	+	0	NA	exon (NM_	exon (NM_	3853	NM_018348	55783	Hs.72782	NM_018348	ENSG00000	CMTR2	AFT|FTSJD	cap methy	protein-coding
chr17-411	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	4115001	4117472	+	0	NA	intron (N	AluSq2|SI	26794	NM_015113	23140	Hs.277624	NM_015113	ENSG00000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-468	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	4689131	4690988	+	0	NA	intron (N	L1PB1|LIN	14078	NM_014389	27043	Hs.744899	NM_014389	ENSG00000	PELP1	MNAR|P160	proline,	protein-coding
chr17-172	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	17254849	17261777	+	0	NA	intron (N	AluSx|SIN	-21145	NM_144606	201163	Hs.31652	NM_144606	ENSG00000	FLCN	BHD|DENND	folliculi	protein-coding
chr17-463	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	46336863	46337226	+	0	NA	3’ UTR (N	3’ UTR (N	24743	NM_001363	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr17-503	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	50365687	50370727	+	0	NA	exon (NM_	exon (NM_	4977	NM_016504	51264	Hs.7736	NM_016504	ENSG00000	MRPL27	L27mt	mitochond	protein-coding
chr17-646	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr17	64641971	64647551	+	0	NA	intron (N	AluSx|SIN	17546	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr19-500	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr19	50036869	50042178	+	0	NA	intron (N	MER20|DNA	-11066	NR_027257	400710	Hs.628968	NR_027257	ENSG00000	LOC400710	-	uncharact	ncRNA
chr19-521	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr19	52166030	52168329	+	0	NA	intron (N	intron (N	4442	NM_001102	162962	Hs.631584	NM_001102	ENSG00000	ZNF836	-	zinc fing	protein-coding
chr2-9627	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr2	96274321	96276061	+	0	NA	intron (N	intron (N	8966	NM_004804	9391	Hs.12109	NM_004804	ENSG00000	CIAO1	CIA1|WDR3	cytosolic	protein-coding
chr2-2031	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluJb|SIN	-57391	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-113	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr20	1135607	1137262	+	0	NA	intron (N	intron (N	17832	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr20-321	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr20	32149428	32150077	+	0	NA	exon (NM_	exon (NM_	40024	NM_001363	9777	Hs.654665	NM_014742	ENSG00000	TM9SF4	dJ836N17.	transmemb	protein-coding
chr20-349	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr20	34943954	34946049	+	0	NA	intron (N	(TA)n|Sim	10634	NM_001322	2937	Hs.82327	NM_000178	ENSG00000	GSS	GSHS|HEL-	glutathio	protein-coding
chr20-356	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr20	35691668	35696499	+	0	NA	intron (N	AluJo|SIN	5269	NM_001198	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr20-445	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr20	44589745	44591979	+	0	NA	intron (N	intron (N	8283	NM_001281	11142	Hs.472831	NM_007066	ENSG00000	PKIG	PKI-gamma	cAMP-depe	protein-coding
chr21-428	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr21	42897188	42907421	+	0	NA	intron (N	intron (N	8995	NM_021075	4731	Hs.473937	NM_021075	ENSG00000	NDUFV3	CI-10k|CI	NADH:ubiq	protein-coding
chr22-311	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr22	31163336	31167988	+	0	NA	intron (N	intron (N	5480	NR_024209	91445	Hs.517553	NM_152267	ENSG00000	RNF185	-	ring fing	protein-coding
chr3-4456	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	44561303	44562362	+	0	NA	intron (N	MSTA-int|	6639	NM_018651	55888	Hs.529512	NM_018651	ENSG00000	ZKSCAN7	ZFP|ZNF16	zinc fing	protein-coding
chr3-4539	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	45393458	45395318	+	0	NA	intron (N	intron (N	5812	NM_001368	23395	Hs.526975	NM_015340	ENSG00000	LARS2	HLASA|LEU	leucyl-tR	protein-coding
chr3-4573	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	45737576	45741330	+	0	NA	intron (N	intron (N	50057	NM_001319	22908	Hs.156509	NM_014016	ENSG00000	SACM1L	SAC1	SAC1 like	protein-coding
chr3-4929	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	49295800	49303149	+	0	NA	intron (N	AluY|SINE	-22242	NM_198562	375341	Hs.403828	NM_198562	ENSG00000	C3orf62	-	chromosom	protein-coding
chr3-5311	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	53117234	53119589	+	0	NA	intron (N	intron (N	12024	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr3-1936	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	exon (NM_	exon (NM_	-16714	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG00000	OPA1-AS1	-	OPA1 anti	ncRNA
chr4-1838	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr4	1838052	1839710	+	0	NA	intron (N	intron (N	17275	NM_012318	3954	Hs.120165	NM_012318	ENSG00000	LETM1	SLC55A1	leucine z	protein-coding
chr4-2901	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr4	2901246	2911318	+	0	NA	intron (N	intron (N	27955	NM_001120	10227	Hs.632581	NM_001120	ENSG00000	MFSD10	TETRAN|TE	major fac	protein-coding
chr4-7314	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr4	73144431	73146409	+	0	NA	intron (N	intron (N	-75661	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr4-8871	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr4	88716928	88717858	+	0	NA	intron (N	L1MA4|LIN	7604	NR_002806	285512	Hs.744957	NR_002806	ENSG00000	FAM13A-AS	FAM13A10S	FAM13A an	ncRNA
chr5-3616	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr5	36169678	36173499	+	0	NA	intron (N	intron (N	19477	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr5-7703	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr5	77039693	77040347	+	0	NA	intron (N	intron (N	9616	NM_018046	55109	Hs.634849	NM_018046	ENSG00000	AGGF1	GPATC7|GP	angiogeni	protein-coding
chr5-1330	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYc|SIN	48533	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEL	heat shoc	protein-coding
chr5-1461	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	24315	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr5-1790	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MCa|LIN	6098	NM_014594	30832	Hs.272328	NM_014594	ENSG00000	ZNF354C	KID3	zinc fing	protein-coding
chr6-1109	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSc|SIN	4232	NM_138408	112495	Hs.418520	NM_138408	ENSG00000	GTF3C6	C6orf51|T	general t	protein-coding
chr7-4727	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr7	47275074	47280102	+	0	NA	3’ UTR (N	3’ UTR (N	187215	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-4740	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr7	47400216	47403143	+	0	NA	intron (N	intron (N	63124	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-6694	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr7	66941779	66944553	+	0	NA	intron (N	intron (N	21941	NM_017994	55069	Hs.488478	NM_017994	ENSG00000	TMEM248	C7orf42	transmemb	protein-coding
chr7-7761	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr7	77618511	77620086	+	0	NA	intron (N	L4_C_Mam|	76967	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG00000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr8-3842	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr8	38420872	38426921	+	0	NA	intron (N	intron (N	36765	NM_001199	137994	Hs.696457	NM_144652	ENSG00000	LETM2	SLC55A2	leucine z	protein-coding
chr8-8649	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr8	86495491	86496542	+	0	NA	intron (N	L1PA14|LI	12670	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr8-1232	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr8	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-13906	NM_032847	84933	Hs.707401	NM_032847	ENSG00000	C8orf76	-	chromosom	protein-coding
chr8-1407	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-6818	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-3509	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr9	35099563	35101420	+	0	NA	intron (N	intron (N	2640	NM_013442	30968	Hs.3439	NM_013442	ENSG00000	STOML2	HSPC108|S	stomatin	protein-coding
chr9-1285	7.93061	0.04878	0.819554	0.05952	0.952538	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	5329	NM_001499	2733	Hs.522418	NM_001499	ENSG00000	GLE1	CAAHC|CAA	GLE1 RNA	protein-coding
chr1-3136	5.916526	0.058917	0.989933	0.059516	0.952541	0.981636	chr1	31364001	31364259	+	0	NA	exon (NM_	exon (NM_	8946	NM_004102	2170	Hs.576372	NM_004102	ENSG00000	FABP3	FABP11|H-	fatty aci	protein-coding
chr17-130	8.663102	-0.04852	0.817047	-0.05938	0.952649	0.981636	chr17	13005290	13006193	+	0	NA	intron (N	intron (N	12286	NM_018127	60528	Hs.434232	NM_018127	ENSG00000	ELAC2	COXPD17|E	elaC ribo	protein-coding
chr1-1988	10.36686	0.043019	0.725491	0.059297	0.952716	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	38283	NR_040073	1E+08	Hs.711077	NR_040073		MIR181A1H	-	MIR181A1	ncRNA
chr1-2200	10.36686	0.043019	0.725491	0.059297	0.952716	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	27264	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr17-383	10.36686	0.043019	0.725491	0.059297	0.952716	0.981636	chr17	38306769	38307431	+	0	NA	intron (N	AluSx|SIN	9932	NM_032351	84311	Hs.537279	NM_032351	ENSG00000	MRPL45	L45mt|MRP	mitochond	protein-coding
chr2-2298	10.36686	0.043019	0.725491	0.059297	0.952716	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-99882	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr7-9250	7.873755	0.050504	0.852497	0.059242	0.952759	0.981636	chr7	92504493	92504800	+	0	NA	intron (N	intron (N	23874	NM_001282	5189	Hs.164682	NM_000466	ENSG00000	PEX1	HMLR1|PBD	peroxisom	protein-coding
chr1-6249	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr1	62491530	62493508	+	0	NA	intron (N	AluJr|SIN	55470	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitin	protein-coding
chr1-1090	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSx1|SI	3343	NM_020141	56900	Hs.82933	NM_020141	ENSG00000	TMEM167B	AD-020|C1	transmemb	protein-coding
chr10-589	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr10	5897429	5898837	+	0	NA	intron (N	MLT1A0|LT	3747	NM_032807	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr13-494	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr13	49474955	49480653	+	0	NA	intron (N	intron (N	-18149	NM_001040	51131	Hs.369039	NM_001040	ENSG00000	PHF11	APY|BCAP|	PHD finge	protein-coding
chr13-984	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr13	98418096	98419029	+	0	NA	intron (N	AluSz|SIN	103563	NM_003576	8428	Hs.508514	NM_003576	ENSG00000	STK24	HEL-S-95|	serine/th	protein-coding
chr13-100	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr13	1E+08	1E+08	+	0	NA	TTS (NR_1	TTS (NR_1	3075	NR_132422	1.05E+08	Hs.186291	NR_132422	ENSG00000	LOC105370	-	uncharact	ncRNA
chr14-102	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	16162	NM_014844	9895	Hs.195667	NM_014844	ENSG00000	TECPR2	KIAA0329|	tectonin	protein-coding
chr15-654	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr15	65454555	65458525	+	0	NA	intron (N	intron (N	-33593	NM_020962	57722	Hs.458607	NM_020962	ENSG00000	IGDCC4	DDM36|NOP	immunoglo	protein-coding
chr16-466	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr16	46681215	46682109	+	0	NA	intron (N	intron (N	7516	NM_018206	55737	Hs.454528	NM_018206	ENSG00000	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr18-127	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr18	12720372	12722131	+	0	NA	intron (N	intron (N	18209	NM_020232	56984	Hs.464652	NM_020232	ENSG00000	PSMG2	CLAST3|HC	proteasom	protein-coding
chr19-189	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr19	18901609	18902367	+	0	NA	intron (N	AluY|SINE	-5261	NM_001290	10715	Hs.412355	NM_021267	ENSG00000	CERS1	EPM8|GDF-	ceramide	protein-coding
chr2-3467	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr2	3467330	3468723	+	0	NA	intron (N	intron (N	49721	NM_001306	55256	Hs.502773	NM_018269	ENSG00000	ADI1	APL1|ARD|	acireduct	protein-coding
chr2-6533	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr2	65333938	65335034	+	0	NA	intron (N	intron (N	32292	NM_001128	200734	Hs.59332	NM_181784	ENSG00000	SPRED2	Spred-2	sprouty r	protein-coding
chr2-1527	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	7804	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FB	pre-mRNA	protein-coding
chr2-2153	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	1586	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr2-2377	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	Intergeni	LTR14B|LT	-11885	NM_001080	375316	Hs.607265	NM_198852	ENSG00000	RBM44	-	RNA bindi	protein-coding
chr20-300	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr20	3004899	3005538	+	0	NA	intron (N	intron (N	-38404	NM_001501	2797	Hs.129715	NM_001501	ENSG00000	GNRH2	GnRH-II|I	gonadotro	protein-coding
chr20-472	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr20	47239041	47239665	+	0	NA	intron (N	CpG	72386	NR_037410	1.01E+08		NR_037410	ENSG00000	MIR3616	mir-3616	microRNA	ncRNA
chr5-1510	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4572	NM_001258	10318	Hs.355141	NM_006058	ENSG00000	TNIP1	ABIN-1|NA	TNFAIP3 i	protein-coding
chr7-2486	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr7	24867490	24868111	+	0	NA	intron (N	intron (N	24821	NR_104111	26031	Hs.520259	NM_015550	ENSG00000	OSBPL3	ORP-3|ORP	oxysterol	protein-coding
chr7-1050	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	77269	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1131	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2698	NM_001352	401397	Hs.117929	NM_001352	ENSG00000	SMIM30	LINC00998	small int	protein-coding
chr7-1297	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJb|SIN	59472	NR_029614	406958		NR_029614	ENSG00000	MIR182	MIRN182|m	microRNA	ncRNA
chr8-1936	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr8	19368285	19369170	+	0	NA	intron (N	L1MA4|LIN	54751	NM_001174	63898	Hs.303208	NM_022071	ENSG00000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr8-1250	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz6|SI	43130	NM_003129	6713	Hs.71465	NM_003129	ENSG00000	SQLE	-	squalene	protein-coding
chr8-1328	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-27338	NM_003235	7038	Hs.654591	NM_003235	ENSG00000	TG	AITD3|TGN	thyroglob	protein-coding
chr9-1146	6.692007	-0.05275	0.890366	-0.05924	0.952761	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	Intergeni	AluSx1|SI	-9986	NM_153045	203197	Hs.522357	NM_153045	ENSG00000	TMEM268	C9orf91	transmemb	protein-coding
chr10-965	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr10	96558096	96558446	+	0	NA	intron (N	intron (N	28741	NM_020123	56889	Hs.500674	NM_020123	ENSG00000	TM9SF3	EP70-P-is	transmemb	protein-coding
chr11-733	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr11	73356735	73357365	+	0	NA	exon (NM_	exon (NM_	-19349	NM_152222	84957	Hs.533720	NM_032871	ENSG00000	RELT	AI3C|TNFR	RELT TNF	protein-coding
chr13-110	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	4427	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 an	protein-coding
chr16-564	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr16	56443308	56444285	+	0	NA	intron (N	MSTB1|LTR	7536	NM_007006	11051	Hs.528834	NM_007006	ENSG00000	NUDT21	CFIM25|CP	nudix hyd	protein-coding
chr2-2302	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	8029	NM_004509	3431	Hs.145150	NM_004509	ENSG00000	SP110	IFI41|IFI	SP110 nuc	protein-coding
chr9-5100	8.168364	-0.04863	0.821014	-0.05923	0.952769	0.981636	chr9	5100892	5102066	+	0	NA	intron (N	L1PA6|LIN	59786	NM_001322	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THO	Janus kin	protein-coding

chr3-1968	9.936836	0.044429	0.752614	0.059033	0.952926	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluY|SINE	-52790	NM_001308	205564	Hs.24077	NM_152699	ENSG0000	SENP5	-	SUMO spec	protein-coding
chr18-799	7.40259	0.050621	0.857692	0.05902	0.952936	0.981636	chr18	79975848	79976566	+	0	NA	intron (N	FRAM|SINE	11564	NM_001136	440498	Hs.191582	NM_001136	ENSG0000	HSBP1L1	-	heat shoc	protein-coding
chr3-1793	7.40259	0.050621	0.857692	0.05902	0.952936	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10754	NM_03354	55669	Hs.478383	NM_017927	ENSG0000	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr11-663	10.41586	0.043162	0.731835	0.058977	0.95297	0.981636	chr11	66340153	66341010	+	0	NA	intron (N	intron (N	-3807	NM_001363	9610	Hs.1030	NM_004292	ENSG0000	RIN1	-	Ras and F	protein-coding
chr11-703	10.41586	0.043162	0.731835	0.058977	0.95297	0.981636	chr11	70378577	70379094	+	0	NA	TTS (NM_1	TTS (NM_1	-19671	NM_138565	2017	Hs.596164	NM_005231	ENSG0000	CTTN	EMS1	cortactin	protein-coding
chr18-458	10.41586	0.043162	0.731835	0.058977	0.95297	0.981636	chr18	45858262	45860704	+	0	NA	intron (N	intron (N	33808	NM_213602	284266	Hs.287692	NM_213602	ENSG0000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr1-2305	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr1	23056928	23059464	+	0	NA	intron (N	AluJb|SIN	13891	NR_036057	1E+08		NR_036057	ENSG0000	MIR3115	mir-3115	microRNA	ncRNA
chr1-9232	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr1	92323551	92327346	+	0	NA	intron (N	intron (N	26389	NM_024813	79871	Hs.444421	NM_024813	ENSG0000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr1-1204	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-10503	NR_003242	767846	Hs.657186	NR_003242	ENSG0000	PFN1P2	C1orf152|	profilin	pseudo
chr10-215	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr10	21537533	21545288	+	0	NA	intron (N	AluSx|SIN	7238	NM_001195	8028	Hs.30385	NM_004641	ENSG0000	MLLT10	AF10	MLLT10 hi	protein-coding
chr10-734	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr10	73436779	73438170	+	0	NA	3’ UTR (N	3’ UTR (N	-3913	NM_001024	118490	Hs.631823	NM_001024	ENSG0000	MSS51	ZMYND17	MSS51 mit	protein-coding
chr11-167	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr11	16744532	16756339	+	0	NA	intron (N	Charlie3|	11788	NM_014267	10944	Hs.368226	NM_014267	ENSG0000	C11orf58	IMAGE145	chromosom	protein-coding
chr11-337	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr11	33712328	33722606	+	0	NA	exon (NM_	exon (NM_	5260	NM_001127	966	Hs.278573	NM_000611	ENSG0000	CD59	16.3A5|1F	CD59 mole	protein-coding
chr11-118	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	TTS (NR_	TTS (NR_	1532	NR_00304	649946	Hs.647213	NR_003040		RPL23AP64	RPL23A_25	ribosomal	pseudo
chr12-107	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	non-codin	non-codin	3038	NR_120474	1.02E+08	Hs.667028	NR_120474	ENSG0000	LOC101929	-	uncharact	ncRNA
chr12-123	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	11225	NR_103517	10198	Hs.577404	NM_022782	ENSG0000	MPHOSPH9	MPP-9|MPF	M-phase p	protein-coding
chr12-132	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx4|SI	1418	NR_002979	677829	Hs.742405	NR_002979	ENSG0000	SNORA49	ACA49	small nuc	snoRNA
chr12-132	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	16011	NM_00117	192111	Hs.102558	NM_138575	ENSG0000	PGAM5	BXLBV68	PGAM fami	protein-coding
chr13-30	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr13	30658774	30659160	+	0	NA	exon (NM_	exon (NM_	24752	NM_001321	10208	Hs.533831	NM_00580	ENSG0000	USPL1	C13orf22|	ubiquitin	protein-coding
chr13-513	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr13	51373465	51376970	+	0	NA	intron (N	AluSz6|SI	-26578	NR_049878	1.01E+08		NR_049878	ENSG0000	MIR5693	-	microRNA	ncRNA
chr13-10	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr13	1E+08	1E+08	+	0	NA	intron (N	L1M4|LINE	32906	NM_001352	5095	Hs.80741	NM_000282	ENSG0000	PCCA	-	propionyl	protein-coding
chr14-582	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr14	58207279	58210973	+	0	NA	intron (N	intron (N	8977	NM_018477	55860	Hs.509451	NM_018477	ENSG0000	ACTR10	ACTR11|Ar	actin rel	protein-coding
chr14-594	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr14	59487664	59491426	+	0	NA	intron (N	MSTB-int|	5028	NM_016475	51528	Hs.44685	NM_016475	ENSG0000	JKAMP	C14orf10	JNK1/MAPK	protein-coding
chr14-65	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr14	65085786	65091979	+	0	NA	intron (N	intron (N	-1036	NR_045122	1.01E+08	Hs.711267	NR_045122	ENSG0000	LOC10050	-	uncharact	ncRNA
chr15-41	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr15	41048760	41050776	+	0	NA	intron (N	AluSx1|SI	66478	NR_104038	54617	Hs.292949	NM_017553	ENSG0000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-485	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr15	48531888	48533373	+	0	NA	intron (N	intron (N	113158	NM_000138	2200	Hs.591133	NM_000138	ENSG0000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr15-731	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr15	73165687	73167384	+	0	NA	intron (N	LTR39|LTR	114051	NM_001172	4756	Hs.388613	NM_002499	ENSG0000	NEO1	IGDCC2|NC	neogenin	protein-coding
chr15-774	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr15	77470873	77472699	+	0	NA	exon (NM_	exon (NM_	50898	NM_001304	10363	Hs.69594	NM_01820	ENSG0000	HMG20A	HMGX1|HMG	high mobi	protein-coding
chr16-14	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr16	14644394	14650718	+	0	NA	intron (N	AluSz6|SI	14605	NM_016561	51283	Hs.435556	NM_016561	ENSG0000	BFAR	BAR|RNF47	bifunctic	protein-coding
chr16-281	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr16	28110378	28111898	+	0	NA	intron (N	intron (N	-47424	NM_001109	146395	Hs.91910	NM_144675	ENSG0000	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-585	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr16	58586599	58589436	+	0	NA	intron (N	intron (N	-28086	NR_00298	677830	Hs.677515	NR_00298	ENSG0000	SNORA50A	ACA50|SNO	small nuc	snoRNA
chr16-692	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr16	69299482	69302059	+	0	NA	intron (N	intron (N	-10580	NM_013245	27183	Hs.12842	NM_013245	ENSG0000	VPS4A	SKD1|SKD1	vacuolar	protein-coding
chr17-761	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	761985	763464	+	0	NA	intron (N	intron (N	10391	NR_02412	1E+08	Hs.662289	NR_02412	ENSG0000	DBIL5P	ELP2P	diazepam	pseudo
chr17-153	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	1537881	1541989	+	0	NA	intron (N	AluSz|SIN	22857	NM_006224	5306	Hs.429819	NM_006224	ENSG0000	PITPNA	HEL-S-36|	phosphati	protein-coding
chr17-355	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	35594069	35602838	+	0	NA	intron (N	intron (N	11131	NM_00103	163	Hs.514819	NM_001282	ENSG0000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-35	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	35627096	35629808	+	0	NA	intron (N	AluJb|SIN	41130	NM_00103	163	Hs.514819	NM_001282	ENSG0000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-637	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	63757284	63761436	+	0	NA	intron (N	AluSx1|SI	14237	NM_020198	57003	Hs.202011	NM_020198	ENSG0000	CCDC47	GK001|MS1	coiled-cc	protein-coding
chr17-645	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr17	64521419	64527476	+	0	NA	intron (N	AluSx3|SI	17470	NR_133644	90799	Hs.569713	NM_138363	ENSG0000	CEP95	CCDC45	centrosom	protein-coding
chr19-889	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr19	889434	890442	+	0	NA	intron (N	intron (N	3249	NM_005481	10025	Hs.365207	NM_005481	ENSG0000	MED16	DRIP92|TH	mediator	protein-coding
chr19-928	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr19	928719	932695	+	0	NA	intron (N	AluY|SINE	4672	NM_005224	1820	Hs.501296	NM_005224	ENSG0000	ARID3A	BRIGHT|DR	AT-rich i	protein-coding
chr19-153	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr19	15360375	15362490	+	0	NA	intron (N	AluY|SINE	18355	NM_005858	10270	Hs.594496	NM_005858	ENSG0000	AKAP8	AKAP 95|A	A-kinase	protein-coding
chr19-471	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr19	47149947	47152251	+	0	NA	intron (N	intron (N	20264	NM_001145	10055	Hs.51550	NM_00550	ENSG0000	SAE1	AOS1|HSPC	SUMO1 act	protein-coding
chr19-49	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr19	49087287	49089001	+	0	NA	intron (N	AluSx|SIN	2693	NM_001301	6625	Hs.467097	NM_003089	ENSG0000	SNRNP70	RNPU1Z|RF	small nuc	protein-coding
chr2-3927	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	39271329	39274081	+	0	NA	intron (N	intron (N	-28722	NR_144521	344387	Hs.403201	NM_001009	ENSG0000	CDKL4	-	cyclin de	protein-coding
chr2-5465	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	54651993	54655412	+	0	NA	exon (NM_	exon (NM_	-71310	NM_001039	400954	Hs.656692	NM_001039	ENSG0000	EML6	-	EMAP like	protein-coding
chr2-6103	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	61033906	61036080	+	0	NA	intron (N	L1PA6|LIN	-16734	NM_001322	150962	Hs.368348	NM_144709	ENSG0000	PUS10	CCDC139|I	pseudouri	protein-coding
chr2-6151	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	61513840	61522247	+	0	NA	intron (N	AluSx|SIN	20313	NM_00340	7514	Hs.37077	NM_00340	ENSG0000	XPO1	CRM-1|CRM	exportin	protein-coding
chr2-9618	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	96183655	96187206	+	0	NA	3’ UTR (N	3’ UTR (N	-22986	NR_046322	285033	Hs.58648	NM_001037228		STARD7-AS	-	STARD7 ar	ncRNA
chr2-1357	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-35869	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr2-2303	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	MLT1D|LTR	-44090	NM_001206	6672	Hs.369056	NM_003113	ENSG0000	SP100	lysp100b	SP100 nuc	protein-coding
chr2-2312	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	17919	NM_001352	80210	Hs.162411	NM_025139	ENSG0000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr2-237	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	9810	NM_00671	10920	Hs.531713	NM_00671	ENSG0000	COPS8	COP9|CSN8	COP9 sign	protein-coding
chr20-52	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr20	52086507	52089058	+	0	NA	intron (N	intron (N	17702	NM_001319	55734	Hs.473082	NM_018197	ENSG0000	ZFP64	ZNF338	ZFP64 zin	protein-coding
chr21-293	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr21	29326225	29328058	+	0	NA	non-codin	non-codin	21937	NR_027655	571	Hs.154276	NM_001186	ENSG0000	BACH1	BACH-1|BT	BTB domai	protein-coding
chr21-363	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr21	36341568	36344920	+	0	NA	intron (N	AluSp|SIN	23047	NM_015358	23515	Hs.42115	NM_015358	ENSG0000	MORC3	NXP2|ZCW5	MORC fami	protein-coding
chr21-393	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr21	39340683	39347768	+	0	NA	intron (N	AluSq|SIN	4863	NM_004965	3150	Hs.356285	NM_004965	ENSG0000	HMGN1	HMG14	high mobi	protein-coding
chr22-35	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr22	35665303	35668299	+	0	NA	3’ UTR (N	3’ UTR (N	18355	NM_030641	80830	Hs.257352	NM_030641	ENSG0000	APOL6	APOL-VI|A	apolipopr	protein-coding
chr22-41	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr22	41657309	41665777	+	0	NA	intron (N	L1MA2|LIN	27324	NM_001003	4809	Hs.182255	NM_005008	ENSG0000	SNU13	15.5K|FA-	small nuc	protein-coding
chr22-503	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr22	50371866	50375463	+	0	NA	intron (N	AluJr|SIN	30337	NM_001351	9701	Hs.449098	NM_014678	ENSG0000	PPP6R2	KIAA0685|	protein p	protein-coding
chr3-1524	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	15245169	15249145	+	0	NA	intron (N	intron (N	-7027	NR_046084	1.01E+08	Hs.745026	NR_046084	ENSG0000	SH3BP5-AS	-	SH3BP5 ar	ncRNA
chr3-4783	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	47838552	47844715	+	0	NA	exon (NM_	exon (NM_	-7922	NR_031595	1E+08		NR_031595	ENSG0000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-4787	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	47875119	47876932	+	0	NA	intron (N	intron (N	26470	NR_031595	1E+08		NR_031595	ENSG0000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-526	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	52609054	52609665	+	0	NA	exon (NM_	exon (NM_	72754	NM_001124	440957	Hs.660577	NM_001124	ENSG0000	SMIM4	C3orf78	small int	protein-coding
chr3-5274	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	52748739	52749982	+	0	NA	intron (N	AluSz|SIN	21580	NM_001348	6787	Hs.631921	NM_003157	ENSG0000	NEK4	NRK2|STK2	NIMA rela	protein-coding
chr3-9885	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	98856858	98859398	+	0	NA	intron (N	LTR12C|LT	43567	NM_080927	131566	Hs.203691	NM_080927	ENSG0000	DCBLD2	CLCP1|ESD	discoidin	protein-coding
chr3-1264	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSz|SIN	5682	NM_025112	79364	Hs.440049	NM_025112	ENSG0000	ZXDC	ZXDL	ZXD famil	protein-coding
chr3-1324	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	AluY|SINE	49965	NM_001329	23317	Hs.12707	NM_015268	ENSG0000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr3-1423	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJr|SIN	-106587	NR_033289	256356	Hs.135904	NM_152776	ENSG0000	GK5	-	glycerol	protein-coding
chr3-196	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	AluJb|SIN	26397	NM_001128	7037	Hs.529618	NM_003234	ENSG0000	TFRC	CD71|IMD4	transferr	protein-coding
chr5-3154	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr5	31546593	31549698	+	0	NA	intron (N	AluSz|SIN	15844	NM_018356	55322	Hs.519246	NM_018356	ENSG0000	C5orf22	-	chromosom	protein-coding
chr5-5527	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr5	55279499	55284323	+	0	NA	intron (N	AluSq|SIN	25783	NM_001345	54505	Hs.593268	NM_01903	ENSG0000	DHX29	DDX29	DExH-box	protein-coding
chr5-9358	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr5	93587061	93591870	+	0	NA	intron (N	intron (N	6243	NM_005654	7025	Hs.519445	NM_005654	ENSG0000	NR2F1	BBOAS|BBS	nuclear r	protein-coding
chr5-9889	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr5	98896279	98902233	+	0	NA	intron (N	MER2|DNA|	27278	NM_00127	1105	Hs.643465	NM_00127	ENSG0000	CHD1	CHD-1|PIL	chromodom	protein-coding
chr5-1507	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	-19428	NM_018047	55696	Hs.713564	NM_018047	ENSG0000	RBM22	Cwc2|ZC3H	RNA bindi	protein-coding
chr6-3341	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr6	33413149	33416634	+	0	NA	intron (N	intron (N	3216	NM_001014	51596	Hs.52007	NM_015921	ENSG0000	CUTA	ACHAP|C6c	cutA diva	protein-coding
chr6-1437	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	L1PA7|LIN	-46611	NM_001329	84946	Hs.185675	NM_03286	ENSG0000	LTV1	C6orf93|c	LTV1 ribo	protein-coding
chr7-5517	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr7	55170501	55179283	+	0	NA	intron (N	intron (N	14057	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG0000	EGFR-AS1	-	EGFR anti	ncRNA
chr7-9223	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr7	92232552	92241918	+	0	NA	intron (N	intron (N	-8739	NM_019004	54467	Hs.83293	NM_019004	ENSG0000	ANKIB1	-	ankyrin r	protein-coding
chr7-105	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	60647	NM_182931	55904	Hs.592262	NM_018682	ENSG0000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1587	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	47262	NM_020728	57488	Hs.490795	NM_020728	ENSG0000	ESYT2	CHR2SYT|E	extended	protein-coding
chr8-3882	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr8	38826995	38828923	+	0	NA	non-codin	non-codin	22509	NM_001352	6867	Hs.279245	NM_006283	ENSG0000	TACC1	Ga55	transform	protein-coding
chr8-4793	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr8	47931566	47936755	+	0	NA	intron (N	intron (N	25976	NM_001081	5591	Hs.491682	NM_006904	ENSG0000	PRKDC	DNA-PKC|D	protein k	protein-coding
chr8-6059	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr8	60595769	60597099	+	0	NA	intron (N	L1PA7|LIN	79447	NM_002865	5862	Hs.369017	NM_002865	ENSG0000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr8-7397	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr8	73979013	73982570	+	0	NA	intron (N	intron (N	4596	NM_017866	54968	Hs.10665	NM_017866	ENSG0000	TMEM70	MC5DN2	transmemb	protein-coding
chr9-1322	8.409632	0.046995	0.797416	0.058934	0.953005	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	56905	NM_001351	23064	Hs.460317	NM_015046	ENSG0000	SETX	ALS4|AOA2	senataxin	protein-coding
chr12-105	8.606247	-0.0469	0.796076	-0.05892	0.953017	0.981636	chr12	10580664	10581373	+	0	NA	Intergeni	LTR12|LTR	18817	NR_028045	10748	Hs.159297	NM_006611		KLRA1P	KLRA1|KLR	killer ce	pseudo
chr3-998	8.606247	-0.0469	0.796076	-0.05892	0.953017	0.981636	chr3	99865886	99866469	+	0	NA	intron (N	intron (N	9996	NM_00137	11259	Hs.104672	NM_01489	ENSG0000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr9-9508	8.606247	-0.0469	0.796076	-0.05892	0.953017	0.981636	chr9	95085328	95086953	+	0	NA	promoter-	promoter-	-46	NR_036109	1E+08		NR_036109	ENSG0000	MIR3074	mir-3074	microRNA	ncRNA
chr1-5251	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr1	52514619	52515536	+	0	NA	intron (N	AluSx1|SI	38013	NM_015269	23318	Hs.655407	NM_015269	ENSG0000	TUT4	PAPD3|TEN	terminal	protein-coding
chr1-5252	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr1	52526971	52528358	+	0	NA	intron (N	L1MC1|LIN	25426	NM_015269	23318	Hs.655407	NM_015269	ENSG0000	TUT4	PAPD3|TEN	terminal	protein-coding
chr10-419	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr10	419407	420308	+	0	NA	intron (N	intron (N	-208707	NR_147612	1.02E+08	Hs.654707	NR_147612	ENSG0000	LOC10193	-	uncharact	ncRNA
chr10-732	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr10	73229373	73230561	+	0	NA	intron (N	intron (N	17288	NM_01519	23234	Hs.408577	NM_01519	ENSG0000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr11-738	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr11	73891446	73892805	+	0	NA	intron (N	AluJb|SIN	3344	NM_001363	80227	Hs.525017	NM_025155	ENSG0000	PAAF1	PAAF|Rpn1	proteasom	protein-coding
chr12-194	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr12	19478941	19481416	+	0	NA	intron (N	AluSx1|SI	39579	NM_001267	121536	Hs.126497	NM_153207	ENSG0000	AEBP2	-	AE bindin	protein-coding
chr12-724	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr12	72485278	72486316	+	0	NA	intron (N	L1MA9|LIN	-212288	NR_026836	283392	Hs.363603	NM_001025	ENSG0000	TRHDE-AS1	-	TRHDE ant	ncRNA
chr14-313	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr14	31314672	31315970	+	0	NA	intron (N	intron (N	105229	NM_015473	25938	Hs.744979	NM_015473	ENSG0000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr15-412	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr15	41263031	41264951	+	0	NA	intron (N	MLT1L|LTR	-19999	NR_152822	729082	Hs.380164	NR_026757	ENSG0000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr16-311	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr16	3118429	3119101	+	0	NA	intron (N	intron (N	-3167	NR_024167	81854	Hs.66949	NR_024166		ZNF205-AS	-	ZNF205 ar	ncRNA
chr16-472	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr16	4723373	4725067	+	0	NA	intron (N	L1ME3Cz|L	10051	NM_001308	124401	Hs.654859	NM_13345	ENSG0000	ANKS3	-	ankyrin r	protein-coding
chr17-21	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr17	2169227	2170996	+	0	NA	intron (N	L2a|LINE|	-62567	NR_110888	1.02E+08	Hs.665648	NR_110888	ENSG0000	LOC101927	-	uncharact	ncRNA
chr17-545	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr17	5458890	5461085	+	0	NA	intron (N	MER112|DN	8995	NM_001199	56919	Hs.250456	NM_020162	ENSG0000	DHX33	DDX33	DEAH-box	protein-coding
chr19-168	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr19	16844043	16844961	+	0	NA	intron (N	intron (N	15104	NM_001297	23309	Hs.13999	NM_01526	ENSG0000	SIN3B	-	SIN3 tran	protein-coding
chr19-201	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr19	20190482	20191427	+	0	NA	intron (N	MSTB|LTR|	23740	NM_052852	90649	Hs.590991	NM_052852	ENSG0000	ZNF486	KRBO2	zinc fing	protein-coding
chr19-564	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr19	56494695	56495113	+	0	NA	non-codin	non-codin	-12951	NM_020813	57573	Hs.230188	NM_020813	ENSG0000	ZNF471	ERP1|Z197	zinc fing	protein-coding
chr20-599	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr20	59944015	59944977	+	0	NA	exon (NM_	exon (NM_	4107	NM_00119	63939	Hs.54973	NM_022106	ENSG0000	FAM217B	C20orf177	family wi	protein-coding
chr3-5724	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr3	57245016	57245923	+	0	NA	intron (N	intron (N	17740	NM_012096	26060	Hs.476415	NM_012096	ENSG0000	APPL1	APPL|DIP1	adaptor p	protein-coding
chr4-5713	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr4	5713524	5715393	+	0	NA	intron (N	HAL1|LINE	3257	NM_153717	2121	Hs.646899	NM_014556	ENSG0000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr5-7042	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr5	70421896	70422988	+	0	NA	intron (N	intron (N	7068	NM_001515	2966	Hs.191356	NM_001515	ENSG0000	GTF2H2	BTF2|BTF2	general t	protein-coding
chr5-739	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr5	73904726	73905930	+	0	NA	intron (N	MER1B|DNA	91782	NM_001244	64283	Hs.482521	NM_00108	ENSG0000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr5-132	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	25009	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG0000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr6-1053	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr6	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	7518	NM_002726	5550	Hs.436564	NM_002726	ENSG0000	PREP	PE|PEP	prolyl en	protein-coding
chr8-1935	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr8	19358535	19359163	+	0	NA	intron (N	intron (N	44873	NM_001174	63898	Hs.303208	NM_022071	ENSG0000	SH2D4A	PPP1R38|S	SH2 domai	protein-coding
chr9-1289	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluY|SINE	27864	NR_163192	56904	Hs.460238	NM_020145	ENSG0000	SH3GLB2	PP6569|PF	SH3 domai	protein-coding
chrX-7811	6.452404	0.053262	0.904006	0.058918	0.953018	0.981636	chrX	78114726	78115948	+	0	NA	intron (N	intron (N	11089	NM_000291	5230	Hs.78771	NM_000291	ENSG0000	PGK1	HEL-S-68p	phosphogl	protein-coding
chr1-1092	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	TTS (NM_	TTS (NM_	-11044	NM_001408	1952	Hs.57652	NM_001408	ENSG0000	CELSR2	ADGRC2|CD	cadherin	protein-coding
chr10-49	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr10	49063355	49063921	+	0	NA	intron (N	L1ME1|LIN	51884	NM_001031	196740	Hs.522928	NM_144984	ENSG0000	VSTM4	C10orf72	V-set anc	protein-coding
chr10-95	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr10	95645977	95646914	+	0	NA	intron (N	intron (N	10266	NM_001323	5832	Hs.500645	NM_00286	ENSG0000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-103	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSg|SIN	26365	NM_001011	84108	Hs.335808	NM_032154	ENSG0000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr11-17	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr11	17098711	17099428	+	0	NA	intron (N	AluSp|SIN	-21402	NM_001017	6207	Hs.446588	NM_001017	ENSG0000	RPS13	S13	ribosomal	protein-coding
chr11-863	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr11	86334983	86335598	+	0	NA	intron (N	L1M4|LINE	33050	NM_001322	51501	Hs.283322	NM_016401	ENSG0000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr11-108	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	20045	NM_000019	38	Hs.232375	NM_000019	ENSG0000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr11-12	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	27427	NM_003139	6734	Hs.368376	NM_003139	ENSG0000	SRPRA	DP|SRPR|S	SRP recep	protein-coding
chr11-128	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	MER5B|DNA	32178	NM_005238	2113	Hs.369438	NM_005238	ENSG0000	ETS1	ETS-1|EWS	ETS proto	protein-coding

chr12-108	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	40253	NM_001161	54434	Hs.199763	NM_018984	ENSG0000C	SSH1	SSH1L	slingshot	protein-coding
chr12-119	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	11456	NM_006253	5564	Hs.741184	NM_006253	ENSG0000C	PRKAB1	AMPK|HAMF	protein k	protein-coding
chr14-951	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr14	95102539	95106166	+	0	NA	intron (N	intron (N	29151	NM_001195	23405	Hs.87889	NM_030621	ENSG0000C	DICER1	DCR1|Dice	dicer 1,	protein-coding
chr15-282	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr15	28252876	28256126	+	0	NA	exon (NM_	exon (NM_	67651	NM_004667	8924	Hs.434890	NM_004667	ENSG0000C	HERC2	D15F37S1|	HECT and	protein-coding
chr16-188	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	18840995	18842958	+	0	NA	intron (N	intron (N	-40427	NM_015161	23204	Hs.634882	NM_015161	ENSG0000C	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-236	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	23687218	23690226	+	0	NA	exon (NM_	exon (NM_	9833	NM_005030	5347	Hs.592049	NM_005030	ENSG0000C	PLK1	PLK|STPK1	polo like	protein-coding
chr16-273	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	27356979	27357631	+	0	NA	intron (N	AluJr|SIN	43331	NM_001257	3566	Hs.513457	NM_000418	ENSG0000C	IL4R	CD124|IL-	interleuk	protein-coding
chr16-288	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	28869444	28871436	+	0	NA	intron (N	intron (N	6447	NM_015503	25970	Hs.15744	NM_015503	ENSG0000C	SH2B1	PSM|SH2B	SH2B adap	protein-coding
chr16-317	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	31733508	31735088	+	0	NA	intron (N	AluJr4|SI	21069	NM_001130	124411	Hs.528826	NM_001004	ENSG0000C	ZNF720	-	zinc fing	protein-coding
chr16-845	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	84574015	84574410	+	0	NA	intron (N	MIR3|SINE	43866	NM_021149	23406	Hs.289092	NM_021149	ENSG0000C	COTL1	CLP	coactosin	protein-coding
chr16-892	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr16	89272270	89275993	+	0	NA	intron (N	intron (N	-21997	NR_136339	1.05E+08	Hs.657381	NR_136339	ENSG0000C	LOC105371	-	uncharact	ncRNA
chr17-400	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr17	40031234	40031926	+	0	NA	exon (NM_	exon (NM_	-3935	NR_102369	1.01E+08		NR_102369	ENSG0000C	SNORD124	-	small nuc	snoRNA
chr18-458	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr18	45874053	45879518	+	0	NA	intron (N	intron (N	51110	NM_213602	284266	Hs.287692	NM_213602	ENSG0000C	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-593	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr19	5939787	5941545	+	0	NA	intron (N	intron (N	26412	NM_004058	828	Hs.584744	NM_004058	ENSG0000C	CAPS	CAPS1	calcyphos	protein-coding
chr19-171	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr19	17174262	17179021	+	0	NA	intron (N	intron (N	-38716	NM_018467	55850	Hs.16187	NM_018467	ENSG0000C	USE1	D12|MDS03	unconvent	protein-coding
chr19-453	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr19	45353820	45357677	+	0	NA	intron (N	intron (N	14839	NM_001130	2068	Hs.487294	NM_000400	ENSG0000C	ERCC2	COFS2|EM9	ERCC exci	protein-coding
chr2-9504	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr2	9504045	9505095	+	0	NA	intron (N	AluSx3|SI	29515	NM_001320	285148	Hs.667226	NM_001039	ENSG0000C	IAH1	-	isoamyl a	protein-coding
chr2-4845	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr2	48459798	48461749	+	0	NA	intron (N	intron (N	20004	NM_001193	129285	Hs.654619	NM_152994	ENSG0000C	PPP1R21	CCDC128|K	protein p	protein-coding
chr21-437	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr21	43752572	43757799	+	0	NA	intron (N	intron (N	13699	NM_001331	8566	Hs.284491	NM_003681	ENSG0000C	PDXK	C21orf124	pyridoxal	protein-coding
chr22-451	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr22	45195427	45200456	+	0	NA	exon (NM_	exon (NM_	3078	NR_031651	1E+08		NR_031651	ENSG0000C	MIR1249	MIRN1249|	microRNA	ncRNA
chr22-460	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr22	46097502	46103936	+	0	NA	intron (N	intron (N	9675	NR_037413	1.01E+08		NR_037413	ENSG0000C	MIR3619	-	microRNA	ncRNA
chr3-2561	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr3	25610433	25613091	+	0	NA	intron (N	intron (N	52610	NM_001068	7155	Hs.475733	NM_001068	ENSG0000C	TOP2B	TOPIIB|tc	DNA topoi	protein-coding
chr3-5758	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr3	57588830	57590407	+	0	NA	intron (N	AluSg|SIN	7726	NM_001660	378	Hs.652183	NM_001660	ENSG0000C	ARF4	ARF2	ADP ribos	protein-coding
chr3-1793	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	18944	NM_033540	55669	Hs.478383	NM_017927	ENSG0000C	MFN1	hfzo1|hfz	mitofusin	protein-coding
chr3-1856	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	AluSg|SIN	41244	NM_021627	59343	Hs.401388	NM_021627	ENSG0000C	SENP2	AXAM2|SMT	SUMO spec	protein-coding
chr4-1974	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr4	1974677	1975657	+	0	NA	TTS (NR_C	TTS (NR_C	531	NR_003004	677770	Hs.676951	NR_003004	ENSG0000C	SCARNA22	ACA11	small Caj	ncRNA
chr4-2677	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr4	26772218	26775164	+	0	NA	Intergeni	L1PA11|LI	86553	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr4-7156	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr4	71560002	71562274	+	0	NA	intron (N	intron (N	222085	NM_003759	8671	Hs.5462	NM_003759	ENSG0000C	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr4-1511	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr4	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	210	NM_001128	152503	Hs.744983	NM_001009	ENSG0000C	SH3D19	EBP|EVE1|	SH3 domai	protein-coding
chr6-1783	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr6	17832135	17832504	+	0	NA	intron (N	intron (N	125276	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG0000C	LOC105374	-	uncharact	ncRNA
chr7-1390	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	MLT1J|LTR	21400	NM_020119	56829	Hs.133512	NM_020119	ENSG0000C	ZC3HAV1	ARTD13|FL	zinc fing	protein-coding
chr7-1573	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	45651	NM_058246	10049	Hs.490745	NM_005494	ENSG0000C	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-1405	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	27452	NR_040712	54108	Hs.279704	NM_017444	ENSG0000C	CHRAC1	CHARC1|CH	chromatin	protein-coding
chr9-1221	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	TTS (NM_C	TTS (NM_C	16413	NM_014222	4702	Hs.495039	NM_014222	ENSG0000C	NDUFA8	CI-19KD|C	NADH:ubic	protein-coding
chr9-1230	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	18640	NR_030331	693185		NR_030331	ENSG0000C	MIR600	MIRN600|h	microRNA	ncRNA
chr9-1341	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSz|SIN	8096	NM_052821	11091	Hs.397638	NM_017588	ENSG0000C	WDR5	BIG-3|CFA	WD repeat	protein-coding
chr9-1348	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	33286	NR_039691	1.01E+08		NR_039691	ENSG0000C	MIR3689C	-	microRNA	ncRNA
chrX-7399	7.673626	-0.04911	0.834326	-0.05886	0.953064	0.981636	chrX	73999211	74000326	+	0	NA	intron (N	L1M3de|LI	55444	NR_024582	554203	Hs.648316	NR_024582	ENSG0000C	JPX	DCBALD06|	JPX trans	ncRNA
chr17-719	10.89488	0.042008	0.713953	0.058839	0.95308	0.981636	chr17	7190355	7191295	+	0	NA	intron (N	intron (N	-11261	NM_001197	432	Hs.12056	NM_001671	ENSG0000C	ASGR1	ASGPR|ASG	asialogly	protein-coding
chr10-124	7.624628	-0.04962	0.843375	-0.05883	0.953087	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	25637	NM_017580	54764	Hs.595158	NM_017580	ENSG0000C	ZRANB1	TRABID	zinc fing	protein-coding
chr5-1295	7.624628	-0.04962	0.843375	-0.05883	0.953087	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-59834	NR_125748	1.04E+08	Hs.628635	NR_125748	ENSG0000C	ADAMTS19-	-	ADAMTS19	ncRNA
chr8-1407	7.624628	-0.04962	0.843375	-0.05883	0.953087	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJb|SIN	-13587	NR_029892	442893		NR_029892	ENSG0000C	MIR151A	MIR151|MI	microRNA	ncRNA
chr1-3622	4.974197	0.060427	1.028977	0.058725	0.953171	0.981636	chr1	36226687	36227556	+	0	NA	intron (N	L2a|LINE|	2678	NM_001321	9967	Hs.744057	NM_005119	ENSG0000C	THRAP3	BCLAF2|TF	thyroid h	protein-coding
chr10-119	4.974197	0.060427	1.028977	0.058725	0.953171	0.981636	chr10	11937054	11937549	+	0	NA	intron (N	L2c|LINE|	-42591	NR_038222	219731	Hs.576787	NR_038222	ENSG0000C	PROSER2-A	-	PROSER2 a	ncRNA
chr15-558	10.84588	0.041846	0.712669	0.058718	0.953177	0.981636	chr15	55847541	55848624	+	0	NA	intron (N	Tigger19b	69049	NM_001284	4734	Hs.1565	NM_006154	ENSG0000C	NEDD4	NEDD4-1|F	NEDD4 E3	protein-coding
chr1-1092	11.3739	0.040948	0.698494	0.058623	0.953252	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	17168	NM_006513	6301	Hs.531176	NM_006513	ENSG0000C	SARS	NEDMAS|SE	seryl-tRN	protein-coding
chr5-1405	11.3739	0.040948	0.698494	0.058623	0.953252	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	4244	NM_003732	8637	Hs.594084	NM_003732	ENSG0000C	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr10-619	7.243601	-0.05317	0.908234	-0.05854	0.95332	0.981636	chr10	61956183	61956529	+	0	NA	intron (N	MER1B|DNA	54657	NM_032199	84159	Hs.535297	NM_032199	ENSG0000C	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-120	8.45863	0.047221	0.808945	0.058373	0.953451	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	MIR|SINE|	14098	NM_001037	8655	Hs.5120	NM_003746	ENSG0000C	DYNLL1	DLC1|DLC8	dynein li	protein-coding
chr14-214	8.45863	0.047221	0.808945	0.058373	0.953451	0.981636	chr14	21419717	21420978	+	0	NA	intron (N	intron (N	16928	NM_020920	57680	Hs.530698	NM_020920	ENSG0000C	CHD8	AUTS18|HE	chromodom	protein-coding
chr1-3191	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr1	31911644	31912561	+	0	NA	intron (N	intron (N	25716	NM_001369	8073	Hs.470477	NM_003479	ENSG0000C	PTP4A2	HH13|HH7-	protein t	protein-coding
chr10-734	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr10	73469239	73471138	+	0	NA	intron (N	intron (N	-25564	NR_132103	1.02E+08	Hs.434502	NR_132103	ENSG0000C	PPP3CB-AS	USP54-AS1	PPP3CB ar	ncRNA
chr11-145	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr11	14504440	14505390	+	0	NA	TTS (NM_1	TTS (NM_1	-5020	NM_001144	1315	Hs.339278	NM_016451	ENSG0000C	COPB1	COPB	coatomer	protein-coding
chr12-144	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr12	14424201	14425223	+	0	NA	exon (NM_	exon (NM_	39431	NM_181352	55729	Hs.504856	NM_018179	ENSG0000C	ATF7IP	AM|ATF-IF	activatin	protein-coding
chr12-575	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr12	57541268	57543230	+	0	NA	intron (N	AluSq2|SI	4610	NM_001348	10540	Hs.289123	NM_006400	ENSG0000C	DCTN2	DCTN50|DY	dynactin	protein-coding
chr13-236	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr13	23618742	23619352	+	0	NA	intron (N	MLT1A1|LT	39687	NM_018647	55504	Hs.149168	NM_018647	ENSG0000C	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr15-632	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr15	63245721	63246401	+	0	NA	intron (N	AluSp|SIN	-31489	NM_001145	83464	Hs.511703	NM_031301	ENSG0000C	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr16-717	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr16	71786458	71789466	+	0	NA	intron (N	intron (N	20872	NM_001030	164	Hs.461253	NM_001128	ENSG0000C	AP1G1	ADTG|CLAF	adaptor r	protein-coding
chr17-633	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr17	63318995	63320281	+	0	NA	intron (N	AluSz6|SI	120629	NM_001330	1534	Hs.355264	NM_001915	ENSG0000C	CYB561	CYB561A1|	cytochrom	protein-coding
chr19-372	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr19	37204384	37207354	+	0	NA	intron (N	AluSq2|SI	4667	NM_152279	92285	Hs.390568	NM_152279	ENSG0000C	ZNF585B	SZFP41	zinc fing	protein-coding
chr2-3247	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr2	32479804	32481924	+	0	NA	intron (N	AluSq2|SI	-51289	NR_030285	693143		NR_030285	ENSG0000C	MIR558	MIRN558|h	microRNA	ncRNA
chr2-1120	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	L2|LINE|L	31911	NM_032824	84910	Hs.656298	NM_032824	ENSG0000C	TMEM87B	-	transmemb	protein-coding
chr2-2328	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	L1MB3|LIN	-40984	NM_001172	3769	Hs.467338	NM_002242	ENSG0000C	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr2-2350	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr2	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	5923	NM_001371306								
chr20-449	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr20	44954081	44954699	+	0	NA	intron (N	L4_A_Mam|	6007	NM_006809	10953	Hs.517066	NM_006809	ENSG0000C	TOMM34	HTOM34P|T	transloca	protein-coding
chr3-1003	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	11187	NM_014820	9868	Hs.227253	NM_014820	ENSG0000C	TOMM70	TOMM70A|T	transloca	protein-coding
chr4-5342	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr4	53427588	53430743	+	0	NA	intron (N	intron (N	51512	NM_001134	81608	Hs.555109	NM_030917	ENSG0000C	FIP1L1	FIP1|Rhe|	factor in	protein-coding
chr4-7675	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr4	76757230	76757434	+	0	NA	intron (N	MIR|SINE|	140812	NM_001029	345079	Hs.257292	NM_001029	ENSG0000C	SOWAHB	ANKRD56	sosondowa	protein-coding
chr4-1094	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	-24100	NR_030302	693161		NR_030302	ENSG0000C	MIR576	MIRN576|h	microRNA	ncRNA
chr4-1094	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	7365	NR_030302	693161		NR_030302	ENSG0000C	MIR576	MIRN576|h	microRNA	ncRNA
chr5-5692	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr5	56922464	56923943	+	0	NA	exon (NM_	exon (NM_	13141	NM_001323	133383	Hs.85950	NM_153706	ENSG0000C	SETD9	C5orf35	SET domai	protein-coding
chr5-1264	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	21887	NM_001146	65983	Hs.363558	NM_023927	ENSG0000C	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr6-7291	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr6	7291379	7292569	+	0	NA	intron (N	AluJb|SIN	21225	NM_001292	6745	Hs.114033	NM_003144	ENSG0000C	SSR1	TRAPA	signal se	protein-coding
chr7-1733	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr7	17334281	17339657	+	0	NA	intron (N	L1M5|LINE	-37948	NR_110015	1.03E+08	Hs.559488	NR_110014		KCCAT333	-	renal cle	ncRNA
chr7-9903	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr7	99039681	99040366	+	0	NA	intron (N	intron (N	26858	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr9-7030	8.888655	0.045393	0.778615	0.0583	0.95351	0.981636	chr9	70309268	70311486	+	0	NA	intron (N	Tigger1|D	51399	NM_015110	23137	Hs.534189	NM_015110	ENSG0000C	SMC5	SMC5L1	structura	protein-coding
chr11-102	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	AluY|SINE	19222	NM_001256	329	Hs.696238	NM_001166	ENSG0000C	BIRC2	API1|HIAF	baculovir	protein-coding
chr12-117	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	CpG	34835	NM_015002	23014	Hs.740376	NM_015002	ENSG0000C	FBXO21	FBX21	F-box pro	protein-coding
chr15-740	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr15	74025451	74027490	+	0	NA	intron (N	intron (N	31754	NM_033244	5371	Hs.526464	NM_002675	ENSG0000C	PML	MYL|PP867	promyeloc	protein-coding
chr4-7309	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr4	73098717	73099080	+	0	NA	intron (N	intron (N	-29139	NM_001300	285521	Hs.356697	NM_173827	ENSG0000C	COX18	COX18HS	cytochrom	protein-coding
chr4-8679	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr4	86799369	86799664	+	0	NA	intron (N	AluSx|SIN	49868	NM_197965	345274	Hs.452996	NM_197965	ENSG0000C	SLC10A6	SOAT	solute ca	protein-coding
chr5-7006	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr5	70064704	70064982	+	0	NA	intron (N	AluJo|SIN	15320	NM_001297	6606	Hs.535788	NM_000344	ENSG0000C	SMN1	BCD541|GE	survival	protein-coding
chr6-1552	8.937652	0.045592	0.782923	0.058233	0.953563	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-5539	NM_001001	49861	Hs.567491	NM_001001	ENSG0000C	CLDN20	-	claudin 2	protein-coding
chr22-295	9.149982	-0.04683	0.804321	-0.05822	0.953573	0.981636	chr22	29566935	29567529	+	0	NA	intron (N	intron (N	-13475	NM_003678	8563	Hs.75361	NM_003678	ENSG0000C	THOC5	C22orf19|	THO compl	protein-coding
chr21-289	5.924384	0.056132	0.965051	0.058165	0.953617	0.981636	chr21	28976198	28977142	+	0	NA	intron (N	L1M5|LINE	16207	NM_001320	26046	Hs.288773	NM_015565	ENSG0000C	LTN1	C21orf10|	listerin	protein-coding
chr6-1510	5.924384	0.056132	0.965051	0.058165	0.953617	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	11883	NM_001350	25902	Hs.591343	NM_015440	ENSG0000C	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-7531	5.924384	0.056132	0.965051	0.058165	0.953617	0.981636	chr7	75319291	75319490	+	0	NA	Intergeni	Intergeni	10219	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG0000C	SPDYE11	-	speedy/RI	protein-coding
chr1-3790	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr1	37905953	37906771	+	0	NA	intron (N	MER41-int	25377	NM_001297	3633	Hs.449942	NM_005540	ENSG0000C	INPP5B	5PTase	inositol	protein-coding
chr1-3899	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr1	38993624	38996403	+	0	NA	intron (N	AluSx|SIN	3737	NM_024595	79647	Hs.293563	NM_024595	ENSG0000C	AKIRIN1	C1orf108|	akirin 1	protein-coding
chr1-6633	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr1	66336790	66339331	+	0	NA	intron (N	MIR|SINE|	5952	NM_001037	5142	Hs.198072	NM_002600	ENSG0000C	PDE4B	DPDE4|PDE	phosphodi	protein-coding
chr1-2469	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	13437	NM_015446	25909	Hs.300887	NM_015446	ENSG0000C	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-325	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr10	325899	327681	+	0	NA	intron (N	intron (N	146796	NM_001202	10771	Hs.292265	NM_006624	ENSG0000C	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-151	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr10	15112381	15113632	+	0	NA	intron (N	intron (N	15651	NM_006414	10557	Hs.94986	NM_006414	ENSG0000C	RPP38	-	ribonucle	protein-coding
chr10-459	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr10	45913843	45914408	+	0	NA	intron (N	intron (N	58249	NR_160518	1.14E+08		NR_160518		PARGP1-AC	-	PARGP1-AC	pseudo
chr10-693	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr10	69395313	69395906	+	0	NA	intron (N	MER20B|DN	21309	NM_001057	6865	Hs.88372	NM_001057	ENSG0000C	TACR2	NK2R|NKNA	tachykini	protein-coding
chr10-843	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr10	84371448	84372657	+	0	NA	exon (NM_	exon (NM_	43463	NM_001351	54462	Hs.461988	NM_018999	ENSG0000C	CCSER2	FAM190B|C	coiled-cc	protein-coding
chr11-351	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr11	35171060	35172911	+	0	NA	intron (N	HSMAR2|DN	9035	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-130	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr11	1.31E+08	1.31E+08	+	0	NA	Intergeni	Intergeni	-1321	NR_125382	1.04E+08	Hs.430300	NR_125382	ENSG0000C	LOC103611	-	uncharact	ncRNA
chr12-557	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr12	55798202	55803897	+	0	NA	intron (N	L1M5|LINE	16675	NM_033082	84324	Hs.505676	NM_033082	ENSG0000C	SARNP	CIP29|HCC	SAP domai	protein-coding
chr12-561	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr12	56144939	56145568	+	0	NA	TTS (NM_C	TTS (NM_C	-7334	NM_002475	140465	Hs.632731	NM_002475	ENSG0000C	MYL6B	MLC1SA	myosin li	protein-coding
chr13-983	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr13	98374253	98375650	+	0	NA	intron (N	MSTB1|LTR	147174	NM_003576	8428	Hs.508514	NM_003576	ENSG0000C	STK24	HEL-S-95|	serine/th	protein-coding
chr13-102	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	MER58A|DN	20792	NM_003291	7174	Hs.432424	NM_003291	ENSG0000C	TPP2	TPP-2|TPF	tripeptic	protein-coding
chr14-358	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr14	35841381	35843343	+	0	NA	intron (N	L1PA7|LIN	16024	NM_032352	84312	Hs.525299	NM_032352	ENSG0000C	BRMS1L	BRMS1	BRMS1 lik	protein-coding
chr16-313	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr16	3130014	3132434	+	0	NA	intron (N	AluY|SINE	3658	NR_110900	1.01E+08	Hs.522143	NR_110900		ZNF213-AS	-	ZNF213 ar	ncRNA
chr16-195	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr16	19593148	19593751	+	0	NA	intron (N	intron (N	37746	NM_001365	57020	Hs.654964	NM_020314	ENSG0000C	VPS35L	C16orf62	VPS35 enc	protein-coding
chr17-374	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr17	37423946	37427973	+	0	NA	intron (N	intron (N	18734	NM_001488	6871	Hs.500066	NM_001488	ENSG0000C	TADA2A	ADA2|ADA2	transcrip	protein-coding
chr17-511	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr17	51155977	51163018	+	0	NA	intron (N	AluSx1|SI	5938	NM_198175	4830	Hs.463456	NM_000269	ENSG0000C	NME1	AWD|GAAD|	NME/NM23	protein-coding
chr17-678	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr17	67894913	67896636	+	0	NA	intron (N	L1ME3C|LI	70271	NM_004459	2186	Hs.444200	NM_004459	ENSG0000C	BPTF	FAC1|FAL2	bromodoma	protein-coding
chr19-915	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr19	9152161	9153488	+	0	NA	intron (N	MER1A|DNA	12427	NR_102435	57693	Hs.465829	NM_020933	ENSG0000C	ZNF317	-	zinc fing	protein-coding
chr19-126	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr19	12653756	12655191	+	0	NA	intron (N	L2a|LINE|	12269	NM_000528	4125	Hs.356769	NM_000528	ENSG0000C	MAN2B1	LAMAN|MAN	mannosida	protein-coding
chr19-389	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr19	38932354	38934847	+	0	NA	TTS (NM_C	TTS (NM_C	2646	NM_021107	6183	Hs.411125	NM_021107	ENSG0000C	MRPS12	MPR-S12|M	mitochonc	protein-coding
chr2-6078	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr2	60782933	60785436	+	0	NA	intron (N	AluSg7|SI	27916	NM_022894	64895	Hs.387471	NM_022894	ENSG0000C	PAPOLG	-	poly(A) p	protein-coding
chr2-6391	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr2	63911630	63915584	+	0	NA	intron (N	intron (N	71727	NM_006759	7360	Hs.516217	NM_006759	ENSG0000C	UGP2	UDPG|UDPC	UDP-glucc	protein-coding
chr2-1611	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	MLT1A1-ir	37648	NM_001199	10010	Hs.132257	NM_004180	ENSG0000C	TANK	I-TRAF|IT	TRAF fami	protein-coding
chr20-256	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr20	25677974	25678980	+	0	NA	TTS (NR_1	TTS (NR_1	8462	NM_001290	26152	Hs.61881	NM_015655	ENSG0000C	ZNF337	-	zinc fing	protein-coding
chr3-5791	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr3	57915582	57915979	+	0	NA	intron (N	intron (N	25778	NM_001304	7871	Hs.476432	NM_007159	ENSG0000C	SLMAP	SLAP	sarcolemm	protein-coding
chr3-1720	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	14257	NM_001135	64778	Hs.744888	NM_022763	ENSG0000C	FNDC3B	FAD104|PF	fibronect	protein-coding
chr4-1763	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr4	17630341	17631124	+	0	NA	3’ UTR (N	3’ UTR (N	16091	NM_025205	80306	Hs.731966	NM_025205	ENSG0000C	MED28	1500003D1	mediator	protein-coding
chr4-1229	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	L1PA4|LIN	22012	NM_001345	166378	Hs.709648	NM_145207	ENSG0000C	SPATA5	AFG2|EHLM	spermatog	protein-coding
chr5-7474	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr5	74746433	74746861	+	0	NA	intron (N	intron (N	20470	NR_104006	84340	Hs.277154	NM_032380	ENSG0000C	GFM2	EF-G2mt|E	G elongat	protein-coding
chr6-7349	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr6	73497283	73500174	+	0	NA	intron (N	MER104|DN	19710	NR_132981	1.07E+08		NR_132981		SNORD141E	-	small nuc	snoRNA
chr7-2775	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr7	27750091	27751731	+	0	NA	intron (N	L2|LINE|L	10816	NM_001079	8887	Hs.34576	NM_006024	ENSG0000C	TAX1BP1	CALCOCO3|	Tax1 binc	protein-coding
chr7-3976	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr7	39767552	39767912	+	0	NA	intron (N	intron (N	34164	NR_026999	349114	Hs.414183	NM_198284		LINC00265	NCRNA0026	long inte	ncRNA

chr7-9311	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr7	93112699	93114608	+	0	NA	intron (N	L1PA5|LIN	4326	NM_017654	54809	Hs.65641	NM_017654	ENSG00000	SAMD9	C7orf5|DF	sterile a	protein-coding
chr7-1289	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	15560	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr8-1022	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	50526	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr8-1436	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	Tigger1|D	5951	NM_001082	9831	Hs.43133	NM_014789	ENSG00000	ZNF623	-	zinc fing	protein-coding
chr9-1289	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	-11371	NM_014908	22845	Hs.531563	NM_014908	ENSG00000	DOLK	CDG1M|DK|	dolichol	protein-coding
chr9-1323	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	L1MC4|LIN	50587	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chrX-2012	6.931426	0.050806	0.874221	0.058115	0.953657	0.981636	chrX	20128669	20131277	+	0	NA	intron (N	intron (N	6440	NR_023358	1E+08		NR_023358		SCARNA9L	-	small Ca	ncRNA
chr15-526	6.501401	0.053747	0.925982	0.058044	0.953714	0.981636	chr15	52664724	52665656	+	0	NA	intron (N	L1PA16|LI	-13150	NM_001286	56204	Hs.152385	NM_019600	ENSG00000	FAM214A	KIAA1370	family wi	protein-coding
chr1-2849	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr1	28496625	28497892	+	0	NA	3’ UTR (N	3’ UTR (N	-8685	NM_001048	1104	Hs.469723	NM_001269	ENSG00000	RCC1	CHC1|RCC1	regulator	protein-coding
chr1-3510	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr1	35101040	35101985	+	0	NA	intron (N	intron (N	22127	NM_024772	79830	Hs.471243	NM_024772	ENSG00000	ZMYM1	MYM	zinc fing	protein-coding
chr1-5147	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr1	51478924	51479528	+	0	NA	intron (N	L1PA5|LIN	40040	NM_001981	2060	Hs.83722	NM_001981	ENSG00000	EPS15	AF-1P|AF1	epidermal	protein-coding
chr1-6813	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr1	68131649	68132755	+	0	NA	intron (N	intron (N	51408	NR_031664	1E+08		NR_031664	ENSG00000	MIR1262	MIRN1262|	microRNA	ncRNA
chr1-2202	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	3837	NR_001587	6791	Hs.654849	NR_001587		AURKAP1	AURKAPS1|	aurora ki	pseudo
chr10-119	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr10	11942059	11944041	+	0	NA	intron (N	intron (N	-48340	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr10-121	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr10	12165709	12169230	+	0	NA	3’ UTR (N	3’ UTR (N	28422	NM_014142	11164	Hs.555956	NM_014142	ENSG00000	NUDT5	YSA1|YSA1	nudix hyd	protein-coding
chr10-920	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr10	92024664	92025496	+	0	NA	intron (N	intron (N	101310	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr10-100	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	MER68|LTR	10822	NM_001347	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr11-337	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr11	33767046	33769720	+	0	NA	intron (N	intron (N	6137	NM_033406	26273	Hs.406787	NM_012175	ENSG00000	FBXO3	FBA|FBX3	F-box pro	protein-coding
chr11-749	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr11	74915059	74917200	+	0	NA	intron (N	L1M4c|LIN	32962	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rad	protein-coding
chr11-749	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr11	74971451	74973297	+	0	NA	intron (N	intron (N	-16270	NM_001367	10825	Hs.191074	NM_006656	ENSG00000	NEU3	SIAL3	neuramini	protein-coding
chr11-108	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSz6|SI	-24265	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr12-163	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	16360152	16365481	+	0	NA	intron (N	AluJo|SIN	9399	NM_145764	4257	Hs.389700	NM_020300	ENSG00000	MGST1	GST12|MGS	microsoma	protein-coding
chr12-214	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	21495914	21496345	+	0	NA	intron (N	ERVL-E-in	5506	NM_002907	5965	Hs.235069	NM_002907	ENSG00000	RECQL	RECQL1|Re	RecQ like	protein-coding
chr12-220	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	22056629	22058458	+	0	NA	intron (N	intron (N	11325	NM_018686	55907	Hs.311346	NM_018686	ENSG00000	CMAS	CSS	cytidine	protein-coding
chr12-306	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	30672740	30675599	+	0	NA	intron (N	intron (N	3075	NM_001190	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr12-520	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	52073380	52077123	+	0	NA	intron (N	intron (N	-4453	NM_001369	1.14E+08	Hs.524431	NM_001369216		SMIM41	-	small int	protein-coding
chr12-570	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	57095601	57097709	+	0	NA	exon (NM_	exon (NM_	7541	NM_001330	4665	Hs.159223	NM_005967	ENSG00000	NAB2	MADER	NGFI-A bi	protein-coding
chr12-577	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	57795669	57800517	+	0	NA	TTS (NM_0	TTS (NM_0	15306	NM_001172	10102	Hs.632704	NM_005726	ENSG00000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr12-896	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	89626312	89630958	+	0	NA	intron (N	L3|LINE|C	80203	NM_001366	490	Hs.506276	NM_001682	ENSG00000	ATP2B1	PMCA1|PMC	ATPase pl	protein-coding
chr12-934	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	93484430	93489867	+	0	NA	intron (N	AluJb|SIN	19634	NR_038160	28977	Hs.199579	NM_014050	ENSG00000	MRPL42	HSPC204|I	mitochond	protein-coding
chr12-122	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx3|SI	-21824	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr13-200	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr13	20072367	20075513	+	0	NA	intron (N	L1MB3|LIN	-28761	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr13-952	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr13	95252089	95253348	+	0	NA	intron (N	MER44D|DN	42374	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-705	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr14	70583712	70585098	+	0	NA	3’ UTR (N	3’ UTR (N	16285	NM_001284	10001	Hs.497353	NM_005466	ENSG00000	MED6	ARC33|NY-	mediator	protein-coding
chr14-732	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr14	73203407	73204293	+	0	NA	intron (N	intron (N	-33656	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr14-737	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr14	73729094	73731798	+	0	NA	intron (N	MIR|SINE|	-16062	NM_006029	9240	Hs.194709	NM_006029	ENSG00000	PNMA1	MA1	PNMA fami	protein-coding
chr15-506	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr15	50610912	50612105	+	0	NA	intron (N	intron (N	-64842	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr15-857	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr15	85731098	85734988	+	0	NA	intron (N	HAL1M8|LI	25682	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr15-889	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr15	88909781	88911488	+	0	NA	intron (N	L2c|LINE|	2534	NM_001310	4240	Hs.3745	NM_005928	ENSG00000	MFGE8	BA46|EDIL	milk fat	protein-coding
chr16-800	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr16	80067	81771	+	0	NA	intron (N	intron (N	2694	NM_001015	4350	Hs.459596	NM_002434	ENSG00000	MPG	AAG|ADPG|	N-methylp	protein-coding
chr16-691	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr16	69163194	69165090	+	0	NA	intron (N	AluYm1|SI	-23005	NM_006750	6645	Hs.461117	NM_006750	ENSG00000	SNTB2	D16S2531E	syntrophi	protein-coding
chr17-182	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr17	1827022	1827756	+	0	NA	intron (N	L2b|LINE|	2513	NM_052928	114826	Hs.514602	NM_052928	ENSG00000	SMYD4	ZMYND21	SET and M	protein-coding
chr18-210	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr18	21011567	21018222	+	0	NA	intron (N	intron (N	96919	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr18-494	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr18	49480528	49484847	+	0	NA	intron (N	AluSc5|SI	4547	NM_001199	497661	Hs.603040	NM_001035	ENSG00000	C18orf32	-	chromosom	protein-coding
chr18-622	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr18	62258243	62263407	+	0	NA	intron (N	L1MA4|LIN	-64462	NM_001270	8792	Hs.204044	NM_003839	ENSG00000	TNFRSF11A	CD265|FEO	TNF recep	protein-coding
chr19-106	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr19	10690437	10691641	+	0	NA	3’ UTR (N	3’ UTR (N	-10400	NM_031209	81890	Hs.631638	NM_031209	ENSG00000	QTRT1	FP3235|TG	queuine t	protein-coding
chr2-3261	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	32610160	32613712	+	0	NA	intron (N	AluJo|SIN	-16114	NM_001193	55622	Hs.468125	NM_017735	ENSG00000	TTC27	-	tetratric	protein-coding
chr2-5379	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	53797033	53805622	+	0	NA	intron (N	intron (N	14283	NM_015701	27248	Hs.438336	NM_015701	ENSG00000	ERLEC1	C2orf30|C	endoplasm	protein-coding
chr2-1018	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-93775	NR_103791	1.01E+08	Hs.516245	NR_103791		LINC01127	-	long inte	ncRNA
chr2-1137	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-10799	NR_039943	1.01E+08		NR_039943	ENSG00000	MIR4782	-	microRNA	ncRNA
chr2-1357	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (N	L1MC4|LIN	-24091	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr2-2025	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-115073	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr2-2414	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	AluSx1|SI	-56035	NR_036083	1E+08		NR_036083	ENSG00000	MIR3133	-	microRNA	ncRNA
chr20-137	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr20	1371188	1372891	+	0	NA	3’ UTR (N	3’ UTR (N	20922	NR_106929	1.02E+08		NR_106929	ENSG00000	MIR6869	hsa-mir-6	microRNA	ncRNA
chr20-322	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr20	32231071	32234822	+	0	NA	intron (N	L2c|LINE|	-4849	NR_031726	1E+08		NR_031726	ENSG00000	MIR1825	MIRN1825|	microRNA	ncRNA
chr20-385	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr20	38532983	38539652	+	0	NA	intron (N	L1MB5|LIN	19754	NR_039605	1.01E+08		NR_039605	ENSG00000	MIR54802	-	microRNA	ncRNA
chr20-460	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr20	46066369	46068525	+	0	NA	intron (N	L1M5|LINE	22515	NM_020967	57727	Hs.654991	NM_020967	ENSG00000	NCOA5	CIA|bA465	nuclear r	protein-coding
chr21-289	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr21	28963835	28969663	+	0	NA	exon (NM_	exon (NM_	26128	NM_001320	26046	Hs.288773	NM_015565	ENSG00000	LTN1	C21orf10|	listerin	protein-coding
chr21-334	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr21	33435539	33438820	+	0	NA	3’ UTR (N	3’ UTR (N	34283	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interfero	protein-coding
chr21-335	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr21	33510547	33511568	+	0	NA	intron (N	intron (N	-19334	NM_001320	54943	Hs.458308	NM_017833	ENSG00000	DNAJC28	C21orf55|	DnaJ heat	protein-coding
chr22-377	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr22	37762602	37764762	+	0	NA	intron (N	intron (N	17448	NM_138632	11078	Hs.533030	NM_007032	ENSG00000	TRIOBP	DFNB28|HR	TRIO and	protein-coding
chr22-414	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr22	41458591	41460357	+	0	NA	TTS (NM_0	TTS (NM_0	9218	NM_032758	84844	Hs.474980	NM_032758	ENSG00000	PHF5A	INI|Rds3|	PHD finge	protein-coding
chr3-5260	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr3	52600075	52605460	+	0	NA	intron (N	L1M4a1|LI	66162	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr4-2626	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	2626983	2628284	+	0	NA	intron (N	AluSg4|SI	2201	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-2925	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	2925048	2928161	+	0	NA	intron (N	intron (N	7633	NM_001120	10227	Hs.632581	NM_001120	ENSG00000	MFSD10	TETRAN|TE	major fac	protein-coding
chr4-7795	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	7795985	7796482	+	0	NA	intron (N	L1MC4|LIN	42143	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr4-8474	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	84742519	84743577	+	0	NA	intron (N	intron (N	159921	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1435	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	1.44E+08	1.44E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5406	NR_003675	441046	Hs.135705	NM_001011	ENSG00000	GUSBP5	GYPELOC44	GUSB pseu	pseudo
chr4-1866	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	67092	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-7477	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr5	74772825	74776742	+	0	NA	intron (N	intron (N	-7412	NM_170681	84340	Hs.277154	NM_032380	ENSG00000	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-7703	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr5	77035595	77039146	+	0	NA	intron (N	intron (N	6966	NM_018046	55109	Hs.634849	NM_018046	ENSG00000	AGGF1	GPATC7|GP	angiogeni	protein-coding
chr5-1317	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	L1PB|LINE	57151	NM_001008	96459	Hs.591273	NM_133372	ENSG00000	FNIP1	-	folliculi	protein-coding
chr5-1329	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	MER58A|DN	28260	NM_052971	116842	Hs.337588	NM_052971	ENSG00000	LEAP2	LEAP-2	liver enr	protein-coding
chr5-1578	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	49534	NM_014666	9685	Hs.644000	NM_014666	ENSG00000	CLINT1	CLINT|ENT	clathrin	protein-coding
chr6-2654	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	26545216	26546814	+	0	NA	3’ UTR (N	3’ UTR (N	7649	NM_006353	10473	Hs.236774	NM_006353	ENSG00000	HMGN4	HMG17L3|N	high mobi	protein-coding
chr6-3542	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	35421907	35422794	+	0	NA	intron (N	intron (N	-30011	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr6-7571	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	75710723	75716119	+	0	NA	intron (N	intron (N	-35818	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr6-8223	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	82231046	82235213	+	0	NA	intron (N	AluSp|SIN	14615	NM_001300	25998	Hs.306425	NM_015525	ENSG00000	IBTK	BTBD26|BT	inhibitor	protein-coding
chr6-1495	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	L1ME3F|LI	18472	NM_139126	85313	Hs.744238	NM_139126	ENSG00000	PPIL4	HDCME13P	peptidylp	protein-coding
chr6-1496	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSq2|SI	-26932	NM_001204	11104	Hs.450175	NM_007044	ENSG00000	KATNA1	-	katanin c	protein-coding
chr7-6507	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr7	65073983	65076158	+	0	NA	TTS (NR_0	TTS (NR_0	4532	NR_145716	1.1E+08		NR_145716	ENSG00000	SNORA15B-	-	small nuc	snoRNA
chr7-7290	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr7	72902778	72903958	+	0	NA	intron (N	AluSx|SIN	12741	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr7-7598	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr7	75985916	75986768	+	0	NA	TTS (NM_0	TTS (NM_0	8253	NM_001317	83862	Hs.488835	NM_031925	ENSG00000	TMEM120A	NET29|TMP	transmemb	protein-coding
chr7-9990	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr7	99901473	99903923	+	0	NA	intron (N	intron (N	16832	NM_033017	89122	Hs.50749	NM_033017	ENSG00000	TRIM4	RNF87	tripartit	protein-coding
chr7-1571	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSz|SIN	28244	NM_014671	9690	Hs.118351	NM_014671	ENSG00000	UBE3C	HECTH2	ubiquitin	protein-coding
chr8-4308	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr8	43082743	43087173	+	0	NA	intron (N	intron (N	-8548	NM_001277	84197	Hs.491646	NM_032237	ENSG00000	POMK	MDDGA12|M	protein (	protein-coding
chr8-1280	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSx3|SI	25260	NR_031612	1E+08		NR_031612	ENSG00000	MIR1207	MIRN1207|	microRNA	ncRNA
chr9-6838	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr9	68387680	68389148	+	0	NA	intron (N	HAL1|LINE	-30548	NR_121192	572558	Hs.552819	NR_015423	ENSG00000	PGM5-AS1	FAM233A	PGM5 anti	ncRNA
chr9-1268	7.178887	-0.04984	0.858682	-0.05804	0.953718	0.981636	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	7628	NM_001099	403341	Hs.177633	NM_203482	ENSG00000	ZBTB34	ZNF918	zinc fing	protein-coding
chr1-2781	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr1	27818205	27820681	+	0	NA	intron (N	L1MC4|LIN	-11339	NM_002713	5511	Hs.533474	NM_002713	ENSG00000	PPP1R8	ARD-1|ARD	protein p	protein-coding
chr1-2200	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	23484	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr10-101	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5978	NM_030971	81855	Hs.283844	NM_030971	ENSG00000	SFXN3	BA108L7.2	siderofle	protein-coding
chr19-525	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr19	5254559	5256537	+	0	NA	intron (N	intron (N	85264	NM_130854	5802	Hs.744928	NM_002850	ENSG00000	PTPRS	PTPSIGMA|	protein t	protein-coding
chr19-580	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr19	58004383	58007673	+	0	NA	non-codin	non-codin	-2682	NM_025027	80095	Hs.654967	NM_025027	ENSG00000	ZNF606	ZNF328	zinc fing	protein-coding
chr22-428	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr22	42815845	42817244	+	0	NA	intron (N	intron (N	40729	NM_014570	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-6414	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr3	64146386	64149373	+	0	NA	intron (N	intron (N	-39665	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr3-9986	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr3	99868064	99869090	+	0	NA	intron (N	intron (N	7596	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr9-9547	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr9	95479528	95480480	+	0	NA	exon (NM_	exon (NM_	16395	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr9-1088	9.416675	0.044143	0.760826	0.058019	0.953733	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	Tigger2|D	9588	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr10-924	7.881613	0.048599	0.838001	0.057993	0.953754	0.981636	chr10	92475205	92475509	+	0	NA	intron (N	intron (N	22404	NM_001322	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin c	protein-coding
chr9-3789	8.655244	-0.04665	0.804808	-0.05796	0.95378	0.981636	chr9	37898205	37898612	+	0	NA	intron (N	AluSp|SIN	5719	NM_033412	92014	Hs.634120	NM_033412	ENSG00000	SLC25A51	CG7943|MC	solute ca	protein-coding
chr1-1793	6.395548	0.055804	0.962954	0.057951	0.953788	0.981636	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	MIRc|SINE	-15977	NM_144696	126859	Hs.658505	NM_144696	ENSG00000	AXDND1	C1orf125	axonemal	protein-coding
chr17-270	9.093127	-0.04511	0.779922	-0.05784	0.953876	0.981636	chr17	2702951	2703306	+	0	NA	intron (N	intron (N	8636	NM_015229	23277	Hs.22616	NM_015229	ENSG00000	CLUH	CLU1	clustered	protein-coding
chr17-721	9.093127	-0.04511	0.779922	-0.05784	0.953876	0.981636	chr17	72123364	72123857	+	0	NA	exon (NM_	exon (NM_	2590	NM_000346	6662	Hs.647409	NM_000346	ENSG00000	SOX9	CMD1|CMPD	SRY-box t	protein-coding
chr6-1389	9.093127	-0.04511	0.779922	-0.05784	0.953876	0.981636	chr6	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	73955	NM_001128	85021	Hs.334603	NM_031922	ENSG00000	REPS1	NBIA7|RAL	RALBP1 as	protein-coding
chr1-1738	8.111508	-0.04731	0.81847	-0.0578	0.95391	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSx1|SI	11545	NM_001365	55157	Hs.647707	NM_018122	ENSG00000	DARS2	ASPRS|LBS	aspartyl-	protein-coding
chr1-7024	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr1	70248913	70252030	+	0	NA	exon (NM_	exon (NM_	29091	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr10-619	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr10	61929730	61932054	+	0	NA	intron (N	LTR40b|LT	29193	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr14-710	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr14	71072510	71074944	+	0	NA	exon (NM_	exon (NM_	166268	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr15-793	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr15	79313878	79315593	+	0	NA	3’ UTR (N	3’ UTR (N	3623	NM_001301	23423	Hs.71608	NM_007364	ENSG00000	TMED3	C15orf22|	transmemb	protein-coding
chr16-248	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr16	24802930	24819474	+	0	NA	intron (N	MER77|LTR	-34661	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr16-706	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr16	70662327	70680507	+	0	NA	intron (N	intron (N	14636	NM_138383	92154	Hs.432387	NM_138383	ENSG00000	MTSS2	ABBA|ABBA	MTSS I-BA	protein-coding
chr17-313	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr17	31344717	31346045	+	0	NA	intron (N	CpG	-23759	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr17-394	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr17	39490378	39498513	+	0	NA	intron (N	intron (N	32959	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-106	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr19	10676554	10685054	+	0	NA	intron (N	intron (N	-20635	NM_031209	81890	Hs.631638	NM_031209	ENSG00000	QTRT1	FP3235|TG	queuine t	protein-coding
chr19-171	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr19	17158785	17173540	+	0	NA	intron (N	AluSx|SIN	-49195	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr2-1659	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr2	1659342	1667387	+	0	NA	intron (N	intron (N	81151	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COP	peroxidas	protein-coding
chr20-324	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr20	32433379	32436946	+	0	NA	exon (NM_	exon (NM_	48328	NM_001351	140688	Hs.516978	NM_080616	ENSG00000	NOL4L	C20orf112	nucleolar	protein-coding
chr20-453	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr20	45325806	45335053	+	0	NA	exon (NM_	exon (NM_	17995	NM_002999	6385	Hs.632267	NM_002999	ENSG00000	SDC4	SYND4	syndecan	protein-coding
chr3-4782	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr3	47827473	47832472	+	0	NA	intron (N	AluY|SINE	-19583	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-4868	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr3	48687449	48694632	+	0	NA	intron (N	intron (N	-5125	NM_016453	51517	Hs.655006	NM_016453	ENSG00000	NCKIPSD	AF3P21|DI	NCK inter	protein-coding
chr3-1286	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSq2|SI	7094	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr5-1505	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	28287	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding

chr7-6731	9.895697	0.042833	0.741931	0.057732	0.953962	0.981636	chr7	6731856	6738896	+	0	NA	promoter-	promoter-	71	NR_002217	441194	Hs.715590	NR_002217	ENSG00000	PMS2CL	PMS2P13	PMS2 C-te	pseudo
chr1-1100	9.367677	0.043937	0.762587	0.057616	0.954054	0.981636	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	17344	NM_033088	85369	Hs.584996	NM_033088	ENSG00000	STRIP1	FAM40A|FA	striatin	protein-coding
chr15-658	9.367677	0.043937	0.762587	0.057616	0.954054	0.981636	chr15	65886910	65890537	+	0	NA	3’ UTR (N	3’ UTR (N	19232	NM_001206	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr2-1202	9.367677	0.043937	0.762587	0.057616	0.954054	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	Arthur1B|	27242	NM_002881	5899	Hs.469820	NM_002881	ENSG00000	RALB	-	RAS like	protein-coding
chr12-124	6.741005	-0.05203	0.903303	-0.0576	0.954069	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-60871	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr1-1124	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx3|SI	23970	NM_018704	55917	Hs.744100	NM_018704	ENSG00000	CTTNBP2NL	-	CTTNBP2 N	protein-coding
chr11-863	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr11	8634135	8635092	+	0	NA	intron (N	intron (N	24223	NM_014818	9866	Hs.130836	NM_014818	ENSG00000	TRIM66	C11orf29|	tripartit	protein-coding
chr14-919	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr14	91972187	91974182	+	0	NA	intron (N	AluSg|SIN	-25482	NM_006329	10516	Hs.332708	NM_006329	ENSG00000	FBLN5	ADCL2|ARC	fibulin 5	protein-coding
chr17-357	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr17	35718007	35719187	+	0	NA	intron (N	FLAM_A|SI	-13042	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr19-362	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr19	36239501	36240300	+	0	NA	intron (N	intron (N	6028	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr19-369	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr19	36926605	36927252	+	0	NA	intron (N	MIR|SINE|	10596	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr2-8814	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr2	8814806	8815751	+	0	NA	intron (N	AluJb|SIN	22335	NM_001348	57498	Hs.9873	NM_020738	ENSG00000	KIDINS220	ARMS|SINC	kinase D	protein-coding
chr20-233	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr20	23387303	23388297	+	0	NA	intron (N	L1MB7|LIN	23437	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTB	GDNF indu	protein-coding
chr5-9053	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr5	9053578	9054244	+	0	NA	promoter-	promoter-	-16	NR_039779	1.01E+08		NR_039779	ENSG00000	MIR4636	mir-4636	microRNA	ncRNA
chr7-1290	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	L1MB2|LIN	21674	NR_034053	23534	Hs.193613	NM_012470	ENSG00000	TNPO3	IPO12|LGM	transport	protein-coding
chr8-7869	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr8	78697260	78698691	+	0	NA	intron (N	intron (N	26399	NR_077236	1.01E+08	Hs.388511	NR_077236		LOC101241	-	chromosom	pseudo
chr8-1045	5.453219	0.056679	0.984766	0.057556	0.954102	0.981636	chr8	1.05E+08	1.05E+08	+	0	NA	intron (N	L1MEb|LIN	-17941	NR_030330	693127		NR_030330	ENSG00000	MIR548A3	MIRN548A3	microRNA	ncRNA
chr1-2086	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr1	20861282	20863160	+	0	NA	intron (N	intron (N	-75533	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-2186	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr1	21868232	21868693	+	0	NA	intron (N	(ATAATG)n	56197	NM_001013	401944	Hs.745158	NM_001013	ENSG00000	LDLRAD2	-	low densi	protein-coding
chr10-294	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr10	29463594	29464644	+	0	NA	intron (N	intron (N	53876	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr11-434	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr11	43408647	43409116	+	0	NA	intron (N	AluJb|SIN	49961	NM_018259	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr16-666	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr16	66610857	66614558	+	0	NA	non-codin	non-codin	7976	NR_037619	123920	Hs.298198	NM_144601	ENSG00000	CMTM3	BNAS2|CKL	CKLF like	protein-coding
chr19-240	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr19	24046701	24047094	+	0	NA	intron (N	AluSz6|SI	13448	NM_001278	9534	Hs.434406	NM_004876	ENSG00000	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr4-1506	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr4	15065500	15067900	+	0	NA	3’ UTR (N	3’ UTR (N	64219	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr5-1484	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	21539	NM_030793	81545	Hs.483772	NM_030793	ENSG00000	FBXO38	Fbx38|HMN	F-box pro	protein-coding
chr7-1024	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	Tigger4|D	-12367	NM_001271	80228	Hs.363308	NM_032831	ENSG00000	ORAI2	C7orf19|C	ORAI calc	protein-coding
chr7-1390	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-3341	NR_162108	1.13E+08		NR_162108		MIR10399	-	microRNA	ncRNA
chr8-9902	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr8	99023305	99024383	+	0	NA	intron (N	L1MA5|LIN	10578	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-3499	8.160506	-0.04683	0.813745	-0.05755	0.954108	0.981636	chr9	34996570	34997963	+	0	NA	3’ UTR (N	3’ UTR (N	6976	NM_001135	25822	Hs.237506	NM_012266	ENSG00000	DNAJB5	Hsc40	DnaJ heat	protein-coding
chr1-3616	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr1	36167585	36168565	+	0	NA	intron (N	AluSc|SIN	11915	NM_001286	55700	Hs.356096	NM_018067	ENSG00000	MAP7D1	PARCC1|RP	MAP7 doma	protein-coding
chr14-362	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr14	36297036	36299962	+	0	NA	TTS (NM_0	TTS (NM_0	22138	NM_001308	51562	Hs.368647	NM_016586	ENSG00000	MBIP	-	MAP3K12 b	protein-coding
chr16-878	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr16	87835452	87839927	+	0	NA	intron (N	intron (N	-3029	NR_106833	1.02E+08		NR_106833	ENSG00000	MIR6775	hsa-mir-6	microRNA	ncRNA
chr19-152	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr19	15270730	15272400	+	0	NA	intron (N	intron (N	8886	NM_058243	23476	Hs.187763	NM_014299	ENSG00000	BRD4	CAP|HUNK1	bromodoma	protein-coding
chr19-373	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr19	37328859	37329870	+	0	NA	non-codin	non-codin	-5260	NR_138123	284459	Hs.640243	NM_181786	ENSG00000	ZNF875	HKR1	zinc fing	protein-coding
chr19-531	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr19	53190781	53191678	+	0	NA	intron (N	MER21B|LT	2129	NM_001353	79788	Hs.745230	NM_024733	ENSG00000	ZNF665	ZFP160L	zinc fing	protein-coding
chr3-9662	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr3	9662510	9662909	+	0	NA	intron (N	MIR|SINE|	13204	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr7-1514	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-24802	NR_131779	155051	Hs.647104	NM_144727	ENSG00000	CRYGN	-	crystalli	protein-coding
chr7-1569	7.459446	0.048915	0.850088	0.057541	0.954114	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	13558	NM_138400	64434	Hs.15825	NM_138400	ENSG00000	NOM1	C7orf3|PP	nucleolar	protein-coding
chr11-474	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr11	47421842	47425139	+	0	NA	intron (N	MIR3|SINE	2983	NM_002804	5702	Hs.250758	NM_002804	ENSG00000	PSMC3	TBP1	proteasom	protein-coding
chr12-486	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr12	48694304	48696135	+	0	NA	intron (N	intron (N	-12981	NM_017822	54934	Hs.505412	NM_017822	ENSG00000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr16-164	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr16	16467	16761	+	0	NA	TTS (NR_1	TTS (NR_1	505	NR_107063	1.02E+08		NR_107063	ENSG00000	MIR6859-3	hsa-mir-6	microRNA	ncRNA
chr3-1003	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	28967	NM_014820	9868	Hs.227253	NM_014820	ENSG00000	TOMM70	TOMM70A|T	transloca	protein-coding
chr7-6114	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr7	6114896	6117641	+	0	NA	intron (N	intron (N	11319	NM_032172	84132	Hs.31856	NM_032172	ENSG00000	USP42	-	ubiquitin	protein-coding
chr9-1911	10.37472	0.041636	0.725698	0.057373	0.954248	0.981636	chr9	19115284	19123901	+	0	NA	intron (N	intron (N	7900	NM_001122	123	Hs.3416	NM_001122	ENSG00000	PLIN2	ADFP|ADRP	perilipin	protein-coding
chr7-9327	5.710389	-0.0569	0.992711	-0.05731	0.954295	0.981636	chr7	93276305	93277344	+	0	NA	TTS (NM_0	TTS (NM_0	44458	NM_017667	55610	Hs.202424	NM_017667	ENSG00000	VPS50	CCDC132|V	VPS50 sub	protein-coding
chr1-3233	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr1	32331544	32334136	+	0	NA	TTS (NR_0	TTS (NR_0	3393	NM_023009	65108	Hs.75061	NM_023009	ENSG00000	MARCKSL1	F52|MACMA	MARCKS li	protein-coding
chr1-4008	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr1	40089665	40090557	+	0	NA	intron (N	MIR|SINE|	7141	NM_001142	5538	Hs.3873	NM_000310	ENSG00000	PPT1	CLN1|INCL	palmitoyl	protein-coding
chr10-683	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr10	68391112	68392646	+	0	NA	intron (N	AluSx1|SI	15310	NM_017987	55680	Hs.653144	NM_017987	ENSG00000	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr10-751	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr10	75150085	75152938	+	0	NA	intron (N	AluJb|SIN	39855	NM_144660	142891	Hs.744986	NM_144660	ENSG00000	SAMD8	HEL-177|S	sterile a	protein-coding
chr10-779	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr10	77984482	77986394	+	0	NA	intron (N	intron (N	44077	NM_007055	11128	Hs.436896	NM_007055	ENSG00000	POLR3A	ADDH|HLD7	RNA polym	protein-coding
chr10-976	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr10	97660158	97663127	+	0	NA	intron (N	FLAM_C|SI	20956	NM_018425	55361	Hs.25300	NM_018425	ENSG00000	PI4K2A	PI4KII|PI	phosphati	protein-coding
chr11-981	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr11	9811820	9813389	+	0	NA	exon (NM_	exon (NM_	-26538	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-171	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr11	17168144	17169300	+	0	NA	exon (NM_	exon (NM_	39264	NM_001321	5286	Hs.175343	NM_002645	ENSG00000	PIK3C2A	CPK|OCSKD	phosphati	protein-coding
chr12-481	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr12	48148222	48152148	+	0	NA	intron (N	intron (N	7330	NM_001319	140461	Hs.432699	NM_024095	ENSG00000	ASB8	PP14212	ankyrin r	protein-coding
chr13-326	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr13	32679014	32679925	+	0	NA	intron (N	AluSp|SIN	93017	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr14-556	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr14	55670776	55673714	+	0	NA	intron (N	intron (N	92038	NM_001079	3895	Hs.509414	NM_004986	ENSG00000	KTN1	CG1|KNT|M	kinectin	protein-coding
chr14-730	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr14	73020525	73021175	+	0	NA	intron (N	intron (N	6256	NM_021260	53349	Hs.335106	NM_021260	ENSG00000	ZFYVE1	DFCP1|PPP	zinc fing	protein-coding
chr16-377	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr16	3779799	3781176	+	0	NA	intron (N	intron (N	-62963	NM_016292	10131	Hs.30345	NM_016292	ENSG00000	TRAP1	HSP 75|HS	TNF recep	protein-coding
chr16-214	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr16	21493340	21494103	+	0	NA	intron (N	intron (N	-7805	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-252	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr16	25250150	25250784	+	0	NA	intron (N	L1MA9|LIN	7378	NM_001012	342357	Hs.513451	NM_001012	ENSG00000	ZKSCAN2	ZNF694|ZS	zinc fing	protein-coding
chr16-503	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr16	50353242	50354350	+	0	NA	intron (N	AluY|SINE	15192	NM_001173	29117	Hs.437894	NM_013263	ENSG00000	BRD7	BP75|CELT	bromodoma	protein-coding
chr17-387	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr17	38711636	38712077	+	0	NA	exon (NM_	exon (NM_	6583	NM_005937	4302	Hs.91531	NM_005937	ENSG00000	MLLT6	AF17	MLLT6, PH	protein-coding
chr2-2022	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L1ME3G|LI	19541	NM_001005	7341	Hs.81424	NM_003352	ENSG00000	SUMO1	DAP1|GMP1	small ubi	protein-coding
chr20-185	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr20	18526128	18527476	+	0	NA	intron (N	AluSz|SIN	18862	NM_032985	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr22-217	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr22	21782833	21783292	+	0	NA	intron (N	AluSx1|SI	-47268	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr22-318	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr22	31819193	31820260	+	0	NA	intron (N	AluJb|SIN	65703	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr3-1007	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	15931	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr5-1755	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr5	1.76E+08	1.76E+08	+	0	NA	intron (N	MIRb|SINE	44053	NM_022754	94081	Hs.369440	NM_022754	ENSG00000	SFXN1	SLC56A1|T	siderofle	protein-coding
chr6-3212	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr6	32123654	32126812	+	0	NA	intron (N	L2c|LINE|	3013	NM_001136	1388	Hs.42853	NM_004381	ENSG00000	ATF6B	CREB-RP|C	activatin	protein-coding
chr7-3255	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr7	32557994	32560898	+	0	NA	exon (NM_	exon (NM_	63957	NM_015060	23080	Hs.128056	NM_015060	ENSG00000	AVL9	KIAA0241	AVL9 cell	protein-coding
chr8-1009	7.410448	0.048665	0.849247	0.057303	0.954303	0.981636	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq2|SI	22026	NM_001135	7534	Hs.492407	NM_003406	ENSG00000	YWHAZ	14-3-3-ze	tyrosine	protein-coding
chr1-3791	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr1	37911384	37913258	+	0	NA	intron (N	HERVH-int	19418	NM_001297	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr1-5473	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr1	54736542	54739146	+	0	NA	intron (N	THE1B|LTR	21983	NM_004623	7268	Hs.412482	NM_004623	ENSG00000	TTC4	CNS1	tetratric	protein-coding
chr1-6665	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr1	66652453	66652816	+	0	NA	intron (N	intron (N	24194	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1179	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	17496	NM_006784	10885	Hs.310809	NM_006784	ENSG00000	WDR3	DIP2|UTP1	WD repeat	protein-coding
chr10-793	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr10	79303263	79309329	+	0	NA	exon (NM_	exon (NM_	-41173	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-998	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr10	99884380	99888333	+	0	NA	exon (NM_	exon (NM_	27736	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr11-118	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSx|SIN	6128	NM_182557	283149	Hs.414740	NM_182557	ENSG00000	BCL9L	B9L|BCL9-	BCL9 like	protein-coding
chr12-433	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr12	4333291	4341058	+	0	NA	intron (N	AluSz6|SI	15961	NM_020375	57103	Hs.504545	NM_020375	ENSG00000	TIGAR	C12orf5|F	TP53 indu	protein-coding
chr12-477	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr12	47783546	47789026	+	0	NA	intron (N	intron (N	13048	NM_017842	55652	Hs.438867	NM_017842	ENSG00000	SLC48A1	HRG-1|HRG	solute ca	protein-coding
chr12-121	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx1|SI	-6848	NM_144668	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr12-124	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	MER58C|DN	3739	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr13-995	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr13	99551658	99553082	+	0	NA	intron (N	intron (N	-24742	NR_126390	1.04E+08	Hs.639387	NR_126390		LINC01039	-	long inte	ncRNA
chr15-636	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr15	63639787	63641589	+	0	NA	intron (N	L1MD3|LIN	-39861	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr15-989	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr15	98947507	98951167	+	0	NA	intron (N	intron (N	56319	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-156	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr16	15693281	15694742	+	0	NA	intron (N	intron (N	43766	NM_017668	54820	Hs.655378	NM_017668	ENSG00000	NDE1	HOM-TES-8	nudE neur	protein-coding
chr16-571	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr16	57162988	57167472	+	0	NA	intron (N	intron (N	17320	NM_001354	80011	Hs.396740	NM_024946	ENSG00000	FAM192A	C16orf94|	family wi	protein-coding
chr17-518	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	5183595	5188042	+	0	NA	intron (N	THE1A-int	6050	NM_032530	84622	Hs.658402	NM_032530	ENSG00000	ZNF594	-	zinc fing	protein-coding
chr17-539	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	5390680	5391640	+	0	NA	intron (N	MIRb|SINE	-28481	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-435	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	43512585	43514068	+	0	NA	intron (N	intron (N	17109	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr17-647	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	64751091	64754511	+	0	NA	intron (N	L1MC5|LIN	-27958	NR_106728	1.02E+08		NR_106728	ENSG00000	MIR6080	hsa-mir-6	microRNA	ncRNA
chr17-774	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	77402316	77403461	+	0	NA	intron (N	intron (N	-2189	NM_001293	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr17-816	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	81669218	81674169	+	0	NA	intron (N	intron (N	4956	NM_199287	339230	Hs.744125	NM_199287	ENSG00000	CCDC137	RaRF	coiled-co	protein-coding
chr17-830	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr17	83094551	83096880	+	0	NA	TTS (NM_0	TTS (NM_0	14569	NM_001363	284207	Hs.378821	NM_001004	ENSG00000	METRNL	-	meteorin	protein-coding
chr18-124	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr18	12491521	12493694	+	0	NA	intron (N	intron (N	59833	NR_136514	1.05E+08	Hs.515283	NR_136514		LOC105371	-	uncharact	ncRNA
chr19-352	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr19	3523697	3525076	+	0	NA	intron (N	intron (N	1430	NM_001136	51343	Hs.413133	NM_016263	ENSG00000	FZR1	CDC20C|CD	fizzy and	protein-coding
chr19-168	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr19	16850688	16855932	+	0	NA	intron (N	intron (N	-9964	NM_001297	23309	Hs.13999	NM_015260	ENSG00000	SIN3B	-	SIN3 tran	protein-coding
chr19-489	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr19	48904016	48905649	+	0	NA	intron (N	intron (N	4520	NM_006184	4924	Hs.631602	NM_006184	ENSG00000	NUCB1	CALNUC|NU	nucleobin	protein-coding
chr2-1273	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr2	12739222	12741814	+	0	NA	non-codin	non-codin	3151	NR_036072	1E+08		NR_036072	ENSG00000	MIR3125	mir-3125	microRNA	ncRNA
chr2-2307	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluJb|SIN	70085	NM_001130	51719	Hs.603930	NM_016289	ENSG00000	CAB39	CGI-66|MO	calcium b	protein-coding
chr20-315	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr20	31527331	31536717	+	0	NA	intron (N	intron (N	17582	NM_178582	81502	Hs.373741	NM_030789	ENSG00000	HM13	H13|IMP1|	histocomp	protein-coding
chr20-640	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr20	64007720	64009711	+	0	NA	intron (N	L1MC5a|LI	-25012	NM_001348	284739	Hs.97840	NM_207349	ENSG00000	C20orf204	LINC00176	chromosom	protein-coding
chr22-404	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr22	40416492	40421065	+	0	NA	exon (NM_	exon (NM_	44662	NM_001282	57591	Hs.654688	NM_020831	ENSG00000	MRTFA	BSAC|MAL|	myocardin	protein-coding
chr3-1968	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSq2|SI	-59744	NM_001308	205564	Hs.240770	NM_152699	ENSG00000	SENP5	-	SUMO spec	protein-coding
chr5-3224	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr5	32245787	32248858	+	0	NA	intron (N	AluJo|SIN	65617	NM_001040	54545	Hs.481836	NM_019061	ENSG00000	MTMR12	3-PAP|PIP	myotubula	protein-coding
chr5-1329	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJb|SIN	41673	NM_014423	27125	Hs.519313	NM_014423	ENSG00000	AFF4	AF5Q31|CH	AF4/FMR2	protein-coding
chr6-2746	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr6	27465593	27468312	+	0	NA	intron (N	intron (N	5946	NM_001318	7738	Hs.158174	NM_007149	ENSG00000	ZNF184	kr-ZNF3	zinc fing	protein-coding
chr6-9652	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr6	96527910	96531071	+	0	NA	intron (N	L2|LINE|L	7684	NM_015323	23376	Hs.149367	NM_015323	ENSG00000	UFL1	KIAA0776|	UFM1 spec	protein-coding
chr7-7435	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr7	74354915	74364665	+	0	NA	intron (N	intron (N	70315	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly d	protein-coding
chr7-1510	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	8467	NM_001199	6522	Hs.647069	NM_003040	ENSG00000	SLC4A2	AE2|BND3L	solute ca	protein-coding
chr8-4301	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr8	43010438	43019890	+	0	NA	intron (N	intron (N	-41135	NR_033698	2339	Hs.370312	NM_002027	ENSG00000	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr9-7439	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr9	743916	747485	+	0	NA	non-codin	non-codin	39023	NM_001354	23189	Hs.306764	NM_015158	ENSG00000	KANK1	ANKRD15|C	KN motif	protein-coding
chr9-1243	7.938468	0.046998	0.821588	0.057204	0.954382	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-21185	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr17-423	6.64301	-0.05297	0.927969	-0.05708	0.954478	0.981636	chr17	42342166	42342528	+	0	NA	intron (N	AluSx|SIN	46095	NM_001369	6774	Hs.463059	NM_003150	ENSG00000	STAT3	ADMIO|ADM	signal tr	protein-coding
chr1-5208	5.981239	0.053812	0.94323	0.057051	0.954505	0.981636	chr1	52089734	52090427	+	0	NA	3’ UTR (N	3’ UTR (N	33785	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr16-748	5.981239	0.053812	0.94323	0.057051	0.954505	0.981636	chr16	74880900	74881682	+	0	NA	intron (N	intron (N	103832	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chrX-1559	6.197269	-0.0536	0.939726	-0.05704	0.954512	0.981636	chrX	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	19456	NM_001185	6845	Hs.24167	NM_005638	ENSG00000	VAMP7	SYBL1|TI-	vesicle a	protein-coding
chr12-106	8.360635	0.046777	0.821402	0.056948	0.954587	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	MIR|SINE|	3647	NM_006825	10970	Hs.74368	NM_006825	ENSG00000	CKAP4	CLIMP-63|	cytoskele	protein-coding
chr14-673	6.246267	-0.05309	0.932887	-0.05691	0.954615	0.981636	chr14	67305402	67306047	+	0	NA	intron (N	intron (N	54080	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr3-4741	6.246267	-0.05309	0.932887	-0.05691	0.954615	0.981636	chr3	47412734	47413526	+	0	NA	TTS (NM_0	TTS (NM_0	32109	NM_001304	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr9-1047	6.403406	0.053258	0.937031	0.056837	0.954675	0.981636	chr9	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	23304	NR_130760	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIP	nipsnap h	protein-coding
chr1-1227	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	12276078	12280763	+	0	NA	intron (N	AluSq2|SI	48390	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-1932	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	19325760	19327074	+	0	NA	intron (N	intron (N	14091	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding

chr1-3093	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	30935059	30937777	+	0	NA	promoter-	promoter-	-642	NR_033295	692235		NR_033295		SNORD103B	U103B	small nuc	snoRNA
chr1-3634	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	36346487	36348616	+	0	NA	intron (N	MIRb|SINE	-23397	NM_018166	55194	Hs.87016	NM_018166	ENSG00000	EVA1B	C1orf78|F	eva-1 hom	protein-coding
chr1-3757	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	37579397	37593634	+	0	NA	intron (N	intron (N	9422	NM_013285	29889	Hs.75528	NM_013285	ENSG00000	GNL2	HUMAUANTI	G protein	protein-coding
chr1-3801	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	38016317	38026257	+	0	NA	intron (N	intron (N	8553	NM_016037	51118	Hs.472038	NM_016037	ENSG00000	UTP11	CGI-94|CC	UTP11 sma	protein-coding
chr1-8563	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	85637579	85640487	+	0	NA	Intergeni	L1M4|LINE	58272	NM_001554	3491	Hs.8867	NM_001554	ENSG00000	CCN1	CYR61|GIC	cellular	protein-coding
chr1-1178	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	MIR|SINE|	49983	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-1204	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	5255	NR_102405	728841	Hs.445080	NM_001037501		NBPF8	NBPF8P	NBPF memb	protein-coding
chr10-104	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-9105	NR_120622	1.02E+08	Hs.670333	NR_120622		ITPRIP-AS	-	ITPRIP ar	ncRNA
chr10-120	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr10	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	8476	NM_018117	55717	Hs.144447	NM_018117	ENSG00000	WDR11	BRWD2|DR1	WD repeat	protein-coding
chr11-302	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr11	3022647	3030873	+	0	NA	exon (NM_	exon (NM_	-2634	NR_046580	1.01E+08	Hs.274873	NR_046580	ENSG00000	CARS-AS1	-	CARS anti	ncRNA
chr11-374	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr11	3749120	3752927	+	0	NA	intron (N	MER112|DN	46523	NR_157591	4928	Hs.524750	NM_005387	ENSG00000	NUP98	ADIR2|NUF	nucleopor	protein-coding
chr11-276	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr11	27686507	27689036	+	0	NA	intron (N	L1PA7|LIN	11896	NM_170734	627	Hs.502182	NM_001709	ENSG00000	BDNF	ANON2|BUL	brain der	protein-coding
chr11-936	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr11	93679012	93680050	+	0	NA	exon (NM_	exon (NM_	17849	NM_033395	85459	Hs.458418	NM_033395	ENSG00000	CEP295	KIAA1731	centrosom	protein-coding
chr11-108	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	non-codir	non-codir	111493	NM_001330	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr12-880	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr12	88059345	88060315	+	0	NA	intron (N	intron (N	24294	NM_001009	91298	Hs.591009	NM_001009	ENSG00000	C12orf29	-	chromosom	protein-coding
chr12-108	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MC4|LIN	14275	NM_007076	11153	Hs.661891	NM_007076	ENSG00000	FICD	HIP13|HYF	FIC domai	protein-coding
chr12-121	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	2737	NR_048555	5715	Hs.131151	NM_002813	ENSG00000	PSMD9	Rpn4|p27	proteasom	protein-coding
chr13-197	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr13	19749218	19753070	+	0	NA	intron (N	intron (N	31801	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-460	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr13	46016664	46017391	+	0	NA	intron (N	L2|LINE|L	35719	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr13-520	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr13	52023789	52025374	+	0	NA	promoter-	promoter-	-110	NM_021645	9724	Hs.512963	NM_021645	ENSG00000	UTP14C	2700066J2	UTP14C sm	protein-coding
chr13-951	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr13	95103582	95111063	+	0	NA	intron (N	intron (N	-103022	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-242	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr14	24237309	24241415	+	0	NA	TTS (NM_C	TTS (NM_C	3261	NM_001099	26277	Hs.496191	NM_012461	ENSG00000	TINF2	DKCA3|TIN	TERF1 int	protein-coding
chr14-617	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr14	61771933	61785397	+	0	NA	intron (N	intron (N	16245	NM_003082	6617	Hs.179312	NM_003082	ENSG00000	SNAPC1	PTFgamma|	small nuc	protein-coding
chr14-777	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr14	77702050	77703332	+	0	NA	intron (N	intron (N	5332	NM_006020	8846	Hs.94542	NM_006020	ENSG00000	ALKBH1	ABH|ABH1|	alkB homc	protein-coding
chr14-954	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr14	95435457	95436607	+	0	NA	intron (N	L2|LINE|L	39803	NM_001363	161176	Hs.41502	NM_024633	ENSG00000	SYNE3	C14orf139	spectrin	protein-coding
chr14-103	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	21657	NM_001100	7517	Hs.592325	NM_005432	ENSG00000	XRCC3	CMM6	X-ray rep	protein-coding
chr15-445	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr15	44586281	44587397	+	0	NA	intron (N	intron (N	49692	NM_003758	8669	Hs.404056	NM_003758	ENSG00000	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr15-504	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr15	50466089	50466932	+	0	NA	intron (N	AluSz|SIN	42105	NM_001128	9101	Hs.443731	NM_005154	ENSG00000	USP8	HumORF8|F	ubiquitin	protein-coding
chr15-929	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr15	92988517	92990931	+	0	NA	intron (N	L1M4|LINE	83432	NM_001166	56963	Hs.271277	NM_020211	ENSG00000	RGMA	RGM	repulsive	protein-coding
chr16-586	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr16	58621135	58623764	+	0	NA	intron (N	L1MC1|LIN	7377	NM_206999	23019	Hs.460923	NM_016284	ENSG00000	CNOT1	AD-005|CD	CCR4-NOT	protein-coding
chr16-729	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr16	72958926	72959649	+	0	NA	exon (NM_	exon (NM_	88841	NM_006885	463	Hs.598297	NM_006885	ENSG00000	ZFHX3	ATBF1|ATE	zinc fing	protein-coding
chr16-744	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr16	74467735	74474551	+	0	NA	intron (N	intron (N	-49673	NM_001011	497190	Hs.454670	NM_001011	ENSG00000	CLEC18B	MRCL2	C-type le	protein-coding
chr17-724	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	7244030	7246765	+	0	NA	intron (N	AluJo|SIN	-2948	NM_007278	11337	Hs.647421	NM_007278	ENSG00000	GABARAP	ATG8A|GAE	GABA type	protein-coding
chr17-160	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	16072569	16077198	+	0	NA	intron (N	AluY|SINE	75059	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-180	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	18093825	18096846	+	0	NA	intron (N	intron (N	7387	NM_001330	1819	Hs.78582	NM_001388	ENSG00000	DRG2	-	developme	protein-coding
chr17-304	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	30445075	30446382	+	0	NA	exon (NM_	exon (NM_	-31680	NM_004871	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-479	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	47978603	47979529	+	0	NA	intron (N	intron (N	7953	NM_001278	80279	Hs.20157	NM_025197	ENSG00000	CDK5RAP3	C53|HSF-2	CDK5 regu	protein-coding
chr17-510	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr17	51077227	51077991	+	0	NA	intron (N	intron (N	-30731	NM_001251	9043	Hs.463439	NM_003971	ENSG00000	SPAG9	CT89|HLC-	sperm ass	protein-coding
chr18-863	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr18	8633275	8639642	+	0	NA	intron (N	intron (N	27013	NM_001025	201475	Hs.270074	NM_001025	ENSG00000	RAB12	-	RAB12, me	protein-coding
chr19-331	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr19	33102446	33103617	+	0	NA	intron (N	intron (N	21850	NM_018025	55094	Hs.466436	NM_018025	ENSG00000	GPATCH1	ECGP|GPAT	G-patch c	protein-coding
chr19-371	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr19	37196151	37200909	+	0	NA	intron (N	AluSp|SIN	12006	NM_152279	92285	Hs.390568	NM_152279	ENSG00000	ZNF585B	SZFP41	zinc fing	protein-coding
chr19-405	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr19	40586697	40589020	+	0	NA	intron (N	AluJr|SIN	-5308	NM_003573	8425	Hs.466766	NM_003573	ENSG00000	LTBP4	ARCL1C|LT	latent tr	protein-coding
chr19-496	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr19	49645264	49649242	+	0	NA	intron (N	intron (N	5044	NM_021228	58506	Hs.103521	NM_021228	ENSG00000	SCAF1	SRA1	SR-relate	protein-coding
chr2-1683	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	1683675	1685196	+	0	NA	intron (N	intron (N	60080	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-8756	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	8756399	8758265	+	0	NA	3’ UTR (N	3’ UTR (N	75276	NM_002166	3398	Hs.180919	NM_002166	ENSG00000	ID2	GIG8|ID2A	inhibitor	protein-coding
chr2-9410	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	9410869	9414126	+	0	NA	intron (N	intron (N	10094	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-2724	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	27243497	27244301	+	0	NA	TTS (NM_C	TTS (NM_C	19148	NM_003459	7781	Hs.467981	NM_003459	ENSG00000	SLC30A3	ZNT3	solute ca	protein-coding
chr2-2760	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	27600817	27603328	+	0	NA	intron (N	AluSx|SIN	19030	NM_032434	84450	Hs.529178	NM_032434	ENSG00000	ZNF512	-	zinc fing	protein-coding
chr2-3264	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	32640830	32643915	+	0	NA	intron (N	AluSx1|SI	7117	NR_039922	1.01E+08		NR_039922	ENSG00000	MIR4765	-	microRNA	ncRNA
chr2-6287	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	62872160	62877413	+	0	NA	intron (N	intron (N	167889	NM_001354	23301	Hs.271667	NM_015252	ENSG00000	EHBP1	HPC12|NAC	EH domain	protein-coding
chr2-7385	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	73852779	73856962	+	0	NA	intron (N	AluJb|SIN	25903	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM binc	protein-coding
chr2-9508	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	95086377	95087772	+	0	NA	non-codir	non-codir	34483	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochonc	protein-coding
chr2-1311	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	L1ME3G|LI	25554	NM_001309	55041	Hs.469944	NM_017958	ENSG00000	PLEKHB2	EVT2	pleckstri	protein-coding
chr2-1913	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	MLT1G|LTF	109325	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr2-2017	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	36977	NM_020919	57679	Hs.471096	NM_020919	ENSG00000	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr2-2061	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	AluSx|SIN	-15491	NR_033248	1E+08	Hs.356055	NR_033248		GCSHP3	-	glycine c	pseudo
chr20-636	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr20	63601649	63603501	+	0	NA	intron (N	intron (N	24526	NM_012384	26205	Hs.473286	NM_012384	ENSG00000	GMEB2	GMEB-2|P7	glucocort	protein-coding
chr20-637	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr20	63717516	63721463	+	0	NA	intron (N	L1M4|LINE	11461	NM_032527	84619	Hs.590868	NM_032527	ENSG00000	ZGPAT	GPATC6|GF	zinc fing	protein-coding
chr20-639	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr20	63935265	63936533	+	0	NA	3’ UTR (N	3’ UTR (N	5645	NR_031735	1E+08		NR_031735	ENSG00000	MIR1914	MIRN1914|	microRNA	ncRNA
chr21-392	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr21	39244847	39247208	+	0	NA	intron (N	L1MB7|LIN	-62513	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr22-318	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr22	31810831	31812106	+	0	NA	intron (N	intron (N	57445	NM_001369	9681	Hs.435022	NM_014662	ENSG00000	DEPDC5	DEP.5|FFE	DEP domai	protein-coding
chr22-352	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr22	35267620	35270572	+	0	NA	intron (N	AluSz|SIN	11603	NM_001362	10042	Hs.588815	NM_005487	ENSG00000	HMGXB4	HMG2L1|HM	HMG-box c	protein-coding
chr22-377	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr22	37754163	37761050	+	0	NA	intron (N	intron (N	11372	NM_138632	11078	Hs.533030	NM_007032	ENSG00000	TRIOBP	DFNB28|HF	TRIO and	protein-coding
chr22-502	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr22	50203282	50203972	+	0	NA	intron (N	L1M4|LINE	2616	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr3-3914	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr3	39142504	39145948	+	0	NA	exon (NM_	exon (NM_	3204	NM_001320	64651	Hs.370950	NM_033027	ENSG00000	CSRNP1	AXUD1|CSF	cysteine	protein-coding
chr3-4769	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr3	47691385	47693302	+	0	NA	intron (N	intron (N	-30649	NR_145791	1.1E+08		NR_145791		SNORD146	-	small nuc	snoRNA
chr3-4784	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr3	47849718	47861915	+	0	NA	intron (N	MIRb|SINE	6261	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-1238	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluY|SINE	4577	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1701	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	36707	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomec	protein-coding
chr4-2663	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr4	2663246	2663965	+	0	NA	intron (N	intron (N	38173	NR_046335	8603	Hs.652364	NM_003704	ENSG00000	FAM193A	C4orf8|RE	family wi	protein-coding
chr4-1360	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr4	13607546	13610008	+	0	NA	intron (N	intron (N	18948	NM_148894	259282	Hs.744935	NM_148894	ENSG00000	BOD1L1	BOD1L|FAM	biorienta	protein-coding
chr4-1562	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr4	15624315	15627417	+	0	NA	exon (NM_	exon (NM_	29491	NM_012161	26234	Hs.643433	NM_012161	ENSG00000	FBXL5	FBL4|FBL5	F-box anc	protein-coding
chr4-1836	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	MIR|SINE|	8982	NM_152682	201965	Hs.133337	NM_152682	ENSG00000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr5-8863	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	886390	891160	+	0	NA	intron (N	intron (N	3747	NR_134296	65980	Hs.449278	NM_023924	ENSG00000	BRD9	LAVS3040|	bromodoma	protein-coding
chr5-3154	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	31542506	31544054	+	0	NA	intron (N	intron (N	10979	NM_018356	55322	Hs.519246	NM_018356	ENSG00000	C5orf22	-	chromosom	protein-coding
chr5-3730	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	37300251	37302558	+	0	NA	intron (N	intron (N	-51976	NM_023073	65250	Hs.586199	NM_023073	ENSG00000	CPLANE1	C5orf42|I	ciliogene	protein-coding
chr5-3891	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	38919842	38920568	+	0	NA	TTS (NM_C	TTS (NM_C	74193	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-7232	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	72326800	72327929	+	0	NA	intron (N	intron (N	6991	NM_001284	79810	Hs.126906	NM_024754	ENSG00000	PTCD2	-	pentatric	protein-coding
chr5-8046	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	80469204	80471716	+	0	NA	intron (N	L1M4a2|LI	-17640	NM_205548	167555	Hs.338182	NM_205548	ENSG00000	FAM151B	UNQ9217	family wi	protein-coding
chr5-1321	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	13376	NR_047470	1.01E+08	Hs.519568	NR_047470	ENSG00000	P4HA2-AS1	-	P4HA2 ant	ncRNA
chr5-1396	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	-22346	NM_001317	51523	Hs.189119	NM_016463	ENSG00000	CXXC5	CF5|HSPC1	CXXC fing	protein-coding
chr5-1720	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-57046	NM_033645	23291	Hs.484138	NM_012300	ENSG00000	FBXW11	BTRC2|BTF	F-box anc	protein-coding
chr5-1772	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	64331	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr6-2598	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr6	25982870	25985524	+	0	NA	3’ UTR (N	3’ UTR (N	21395	NM_006355	10475	Hs.584851	NM_006355	ENSG00000	TRIM38	RNF15|ROF	tripartit	protein-coding
chr6-3429	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr6	34292123	34293543	+	0	NA	intron (N	intron (N	-43725	NM_001287	221491	Hs.381300	NM_178508	ENSG00000	SMIM29	C6orf1|LE	small int	protein-coding
chr6-7363	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr6	73632184	73634788	+	0	NA	intron (N	FLAM_C|SI	20506	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr7-7288	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr7	72887505	72888477	+	0	NA	intron (N	L1MEc|LIN	-2636	NM_172020	9883	Hs.655217	NM_172020	ENSG00000	POM121	P145|POM1	POM121 tr	protein-coding
chr8-2303	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr8	23033246	23043301	+	0	NA	intron (N	ERVL-B4-i	-29956	NR_038873	286059	Hs.306673	NR_038873	ENSG00000	LOC286059	-	TNF recep	pseudo
chr8-4319	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr8	43196907	43198672	+	0	NA	intron (N	intron (N	57325	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr8-4804	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr8	48046961	48052810	+	0	NA	exon (NM_	exon (NM_	41454	NM_003350	7336	Hs.491695	NM_003350	ENSG00000	UBE2V2	DDVIT1|DD	ubiquitin	protein-coding
chr8-1435	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-6455	NM_001363	93100	Hs.493164	NM_145201	ENSG00000	NAPRT	NAPRT1|PF	nicotinat	protein-coding
chr9-3605	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr9	36059105	36062765	+	0	NA	intron (N	intron (N	24022	NM_001316	8434	Hs.388918	NM_021111	ENSG00000	RECK	ST15	reversion	protein-coding
chr9-3611	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr9	36117127	36124471	+	0	NA	intron (N	MIRb|SINE	-15737	NR_104637	152007	Hs.493819	NM_022343	ENSG00000	GLIPR2	C9orf19|C	GLI patho	protein-coding
chr9-1140	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	38189	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr9-1223	7.665768	-0.0473	0.832285	-0.05683	0.954682	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	16396	NM_001271	5742	Hs.201978	NM_000962	ENSG00000	PTGS1	COX1|COX3	prostagla	protein-coding
chr1-1527	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	1527257	1532936	+	0	NA	intron (N	intron (N	10528	NM_001114	339453	Hs.668654	NM_001114	ENSG00000	TMEM240	C1orf70|S	transmemb	protein-coding
chr1-2395	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	2395828	2404900	+	0	NA	intron (N	intron (N	8523	NM_007033	11079	Hs.525527	NM_007033	ENSG00000	RER1	-	retention	protein-coding
chr1-8353	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	8353455	8366757	+	0	NA	intron (N	intron (N	42021	NM_001080	50651	Hs.463036	NM_001080	ENSG00000	SLC45A1	DNB5|IDDN	solute ca	protein-coding
chr1-2646	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	26462715	26467307	+	0	NA	intron (N	intron (N	2526	NR_125953	1.02E+08	Hs.663256	NR_125952		LOC101928	-	uncharact	ncRNA
chr1-2780	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	27800973	27805240	+	0	NA	intron (N	L1MEg|LIN	-27676	NM_002713	5511	Hs.533474	NM_002713	ENSG00000	PPP1R8	ARD-1|ARD	protein p	protein-coding
chr1-3929	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	39292982	39297199	+	0	NA	exon (NM_	exon (NM_	-113983	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-3946	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	39468192	39475048	+	0	NA	intron (N	intron (N	-20016	NM_181809	353500	Hs.472497	NM_181809	ENSG00000	BMP8A	-	bone morp	protein-coding
chr1-4368	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	43685297	43687819	+	0	NA	intron (N	AluSz|SIN	20783	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr1-4628	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	46280186	46281918	+	0	NA	intron (N	intron (N	22314	NM_006369	10489	Hs.144941	NM_006369	ENSG00000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr1-7771	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	77711442	77714335	+	0	NA	intron (N	AluJb|SIN	-29461	NM_001308	26009	Hs.480506	NM_015534	ENSG00000	ZZZ3	ATAC1	zinc fing	protein-coding
chr1-1089	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSx1|SI	-34752	NM_015127	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr1-2038	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	L2b|LINE|	4615	NM_001328	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr1-2352	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	-23258	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr1-2431	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-25132	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr10-329	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr10	32900025	32902621	+	0	NA	TTS (NR_1	TTS (NR_1	149	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr10-620	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr10	62022021	62023486	+	0	NA	intron (N	intron (N	-26604	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-998	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr10	99877923	99883517	+	0	NA	intron (N	intron (N	33372	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr10-125	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	TTS (NM_C	TTS (NM_C	11689	NM_147191	118856	Hs.314141	NM_147191	ENSG00000	MMP21	HTX7|MMP-	matrix me	protein-coding
chr11-588	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	588433	596484	+	0	NA	intron (N	intron (N	15988	NM_001286	57661	Hs.325838	NM_020901	ENSG00000	PHRF1	PPP1R125|	PHD and r	protein-coding
chr11-597	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	597444	599854	+	0	NA	intron (N	intron (N	17301	NM_004029	3665	Hs.166120	NM_001572	ENSG00000	IRF7	IMD39|IRF	interfero	protein-coding
chr11-609	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	609349	613962	+	0	NA	TTS (NM_C	TTS (NM_C	4295	NM_004029	3665	Hs.166120	NM_001572	ENSG00000	IRF7	IMD39|IRF	interfero	protein-coding
chr11-367	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	3678843	3686964	+	0	NA	intron (N	intron (N	-11519	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-870	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	8705157	8709169	+	0	NA	exon (NM_	exon (NM_	21724	NR_002977	677826	Hs.745552	NR_002977	ENSG00000	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr11-472	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	47238141	47241129	+	0	NA	TTS (NM_C	TTS (NM_C	-8665	NM_001251	10062	Hs.438863	NM_005693	ENSG00000	NR1H3	LXR-a|LXF	nuclear r	protein-coding
chr11-478	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	47834304	47843586	+	0	NA	TTS (NM_C	TTS (NM_C	9405	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-728	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	72809134	72809654	+	0	NA	Intergeni	MLT1G3|LT	-5017	NM_033388	89849	Hs.653186	NM_033388	ENSG00000	ATG16L2	ATG16B|WD	autophagy	protein-coding
chr11-781	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	78173646	78174219	+	0	NA	TTS (NR_1	TTS (NR_1	14694	NM_001029	283219	Hs.528439	NM_001029	ENSG00000	KCTD21	KCASH2	potassium	protein-coding
chr11-111	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	ERV3-16A3	7814	NM_001258	143903	Hs.503831	NM_178834	ENSG00000	LAYN	-	layilin	protein-coding

chr11-112	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (	AluSx4|SI	5011	NR_07706	6392	Hs.35627	NM_00300	ENSG0000	SDHD	CBT1|CII-	succinate	protein-coding
chr12-163	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr12	16353215	16359137	+	0	NA	intron (	MLT1A0|LT	2759	NM_145764	4257	Hs.38970	NM_02030	ENSG0000	MGST1	GST12|MGS	microsoma	protein-coding
chr12-193	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr12	19365996	19368482	+	0	NA	intron (	intron (	-72253	NM_001114	121536	Hs.126497	NM_153207	ENSG0000	AEBP2	-	AE bindir	protein-coding
chr13-363	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	36324689	36326594	+	0	NA	intron (	intron (	20753	NM_015087	23111	Hs.440414	NM_015087	ENSG0000	SPART	SPG20|TAF	spartin	protein-coding
chr13-454	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	45404015	45408517	+	0	NA	intron (	AluSx1|SI	-11896	NR_047031	1.01E+08	Hs.65803	NR_047031	ENSG0000	SLC25A30-	-	SLC25A30	ncRNA
chr13-110	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	-21398	NM_001267	1E+08	Hs.64003	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr13-112	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (	L2b|LINE|	32561	NM_006322	10426	Hs.224152	NM_006322	ENSG0000	TUBGCP3	104p|ALP6	tubulin g	protein-coding
chr13-113	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	-6028	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG0000	C13orf46	-	chromosom	protein-coding
chr13-114	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (	intron (	-36193	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG0000	C13orf46	-	chromosom	protein-coding
chr14-649	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr14	64923986	64927661	+	0	NA	intron (	intron (	11368	NM_001202	1.01E+08	Hs.325531	NM_001202	ENSG0000	CHURC1-FN	FNTB|FTas	CHURC1-FN	protein-coding
chr14-730	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr14	73085671	73087698	+	0	NA	intron (	L1MC5|LIN	28150	NM_021239	58517	Hs.531106	NM_021239	ENSG0000	RBM25	NET52|REI	RNA bindi	protein-coding
chr14-777	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr14	77714510	77717870	+	0	NA	intron (	AluYe5|SI	8087	NR_052025	81892	Hs.655105	NM_031210	ENSG0000	SLIRP	C14orf156	SRA stem-	protein-coding
chr15-404	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	40407693	40412053	+	0	NA	intron (	AluY|SINE	4076	NR_148925	3712	Hs.513646	NM_002225	ENSG0000	IVD	ACAD2	isovalery	protein-coding
chr15-421	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	42186470	42190883	+	0	NA	intron (	intron (	10990	NR_030357	693212		NR_030357	ENSG0000	MIR627	MIRN627|h	microRNA	ncRNA
chr15-430	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	43013664	43017302	+	0	NA	intron (	SVA_D|Ret	90555	NM_174916	197131	Hs.591121	NM_174916	ENSG0000	UBR1	JBS	ubiquitir	protein-coding
chr15-756	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	75686620	75693251	+	0	NA	exon (NM_	exon (NM_	22913	NM_001897	1464	Hs.513044	NM_001897	ENSG0000	CSPG4	HMW-MAA|M	chondroit	protein-coding
chr15-771	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	77154865	77158328	+	0	NA	intron (	L1PA4|LIN	68808	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr15-780	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr15	78010944	78012877	+	0	NA	intron (	AluSx|SIN	-17685	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr16-213	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	213745	223852	+	0	NA	intron (	intron (	10651	NM_018032	55692	Hs.16803	NM_018032	ENSG0000	LUC7L	LUC7B1|Lu	LUC7 like	protein-coding
chr16-351	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	3517551	3517904	+	0	NA	intron (	L1MC4|LIN	7833	NM_024793	23059	Hs.155995	NM_015041	ENSG0000	CLUAP1	CFAP22|FA	clusterir	protein-coding
chr16-160	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	16009408	16013986	+	0	NA	intron (	AluSx|SIN	62081	NM_004996	4363	Hs.391464	NM_004996	ENSG0000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-183	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	18319663	18320494	+	0	NA	intron (	intron (	12584	NM_001282	1.01E+08	Hs.634612	NM_001282	ENSG0000	NPIPA7	NPIPA8	nuclear p	protein-coding
chr16-574	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	57452234	57455059	+	0	NA	intron (	MamRep137	-6118	NM_001308	57019	Hs.4900	NM_020313	ENSG0000	CIAPIN1	Anamorsir	cytokine	protein-coding
chr16-683	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	68305026	68306692	+	0	NA	intron (	AluJb|SIN	5087	NM_032178	84138	Hs.729520	NM_032178	ENSG0000	SLC7A6OS	-	solute ca	protein-coding
chr16-717	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr16	71736742	71741715	+	0	NA	intron (	intron (	-14527	NM_015020	23035	Hs.709458	NM_015020	ENSG0000	PHLPP2	PHLPPL|PF	PH domair	protein-coding
chr17-540	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr17	5403578	5411418	+	0	NA	intron (	intron (	-12143	NM_001160	84268	Hs.462086	NM_032308	ENSG0000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr17-161	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr17	16192371	16195499	+	0	NA	intron (	L2|LINE|L	704	NM_001190	9611	Hs.462323	NM_006311	ENSG0000	NCOR1	N-CoR|N-C	nuclear r	protein-coding
chr17-304	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr17	30422473	30424403	+	0	NA	intron (	intron (	42960	NR_001199	1362	Hs.446079	NM_001304	ENSG0000	CPD	GP180	carboxype	protein-coding
chr17-604	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr17	60499919	60500133	+	0	NA	intron (	AluY|SINE	26214	NM_001282	10513	Hs.84084	NM_006380	ENSG0000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr17-757	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr17	75702274	75706659	+	0	NA	intron (	MER102b|D	-16993	NM_001321	3691	Hs.632226	NM_000213	ENSG0000	ITGB4	CD104|GP1	integrin	protein-coding
chr19-118	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	11819380	11822120	+	0	NA	intron (	intron (	6477	NM_152357	126070	Hs.418192	NM_152357	ENSG0000	ZNF440	-	zinc fing	protein-coding
chr19-177	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	17726857	17729362	+	0	NA	exon (NM_	exon (NM_	7953	NM_001308	55201	Hs.66048	NM_018174	ENSG0000	MAP1S	BPY2IP1|C	microtubu	protein-coding
chr19-192	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	19292784	19293850	+	0	NA	intron (	AluSx1|SI	-20016	NM_001001	53345	Hs.531624	NM_203510	ENSG0000	TM6SF2	-	transmemb	protein-coding
chr19-343	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	34396107	34397340	+	0	NA	intron (	intron (	-7675	NM_001353	84306	Hs.515344	NM_032346	ENSG0000	PDCD2L	-	programme	protein-coding
chr19-463	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	46386903	46390284	+	0	NA	exon (NM_	exon (NM_	24971	NM_032040	83987	Hs.97876	NM_032040	ENSG0000	CCDC8	3M3|PPP1F	coiled-cc	protein-coding
chr19-466	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	46605214	46610569	+	0	NA	intron (	intron (	5819	NM_001329	808	Hs.515487	NM_005184	ENSG0000	CALM3	CALM|CAM1	calmoduli	protein-coding
chr19-490	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr19	49098110	49109054	+	0	NA	intron (	intron (	-10788	NM_022165	64130	Hs.221737	NM_022165	ENSG0000	LIN7B	LIN-7B|MA	lin-7 hom	protein-coding
chr2-2913	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	29132536	29134313	+	0	NA	intron (	L1M5|LINE	18009	NM_001287	79745	Hs.122927	NM_024692	ENSG0000	CLIP4	RSNL2	CAP-Gly c	protein-coding
chr2-9673	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	96731928	96734527	+	0	NA	intron (	intron (	6849	NM_001142	81562	Hs.655743	NM_030805	ENSG0000	LMAN2L	MRT52|VIF	lectin, m	protein-coding
chr2-1178	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	6446	NM_006773	8886	Hs.744922	NM_006773	ENSG0000	DDX18	Has1|MrDb	DEAD-box	protein-coding
chr2-1193	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	1.19E+08	1.19E+08	+	0	NA	intron (	intron (	3706	NM_001079	1622	Hs.78888	NM_020548	ENSG0000	DBI	ACBD1|ACE	diazepam	protein-coding
chr2-1357	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	1.36E+08	1.36E+08	+	0	NA	intron (	intron (	-18723	NR_163478	1.08E+08	Hs.591242	NM_001365239		LOC107985	-	uncharact	ncRNA
chr2-1602	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (	MLT1C|LTR	-27109	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG0000	LINC02478	-	long inte	ncRNA
chr2-2308	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (	intron (	-46530	NM_001287	81618	Hs.111577	NM_030926	ENSG0000	ITM2C	BRI3|BRIC	integral	protein-coding
chr20-487	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr20	487017	493099	+	0	NA	intron (	AluSx3|SI	-27525	NM_144628	128637	Hs.590876	NM_144628	ENSG0000	TBC1D20	C20orf140	TBC1 doma	protein-coding
chr21-440	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr21	44090263	44091091	+	0	NA	intron (	L1MC5a|LI	16353	NM_001351	7109	Hs.126221	NM_003274	ENSG0000	TRAPPC10	EHOC-1|EF	trafficki	protein-coding
chr21-462	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr21	46242603	46248135	+	0	NA	intron (	intron (	16138	NR_110565	114044	Hs.655095	NR_002776	ENSG0000	MCM3AP-AS	C21orf85|	MCM3AP ar	ncRNA
chr22-314	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr22	31419967	31435478	+	0	NA	intron (	AluJo|SIN	28118	NM_004147	4733	Hs.115242	NM_004147	ENSG0000	DRG1	NEDD3	developme	protein-coding
chr22-324	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr22	32486359	32486601	+	0	NA	intron (	AluJo|SIN	11243	NM_001033	25793	Hs.5912	NM_012179	ENSG0000	FBXO7	FBX|FBXO7	F-box prc	protein-coding
chr22-324	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr22	32490735	32499006	+	0	NA	intron (	intron (	19633	NM_001033	25793	Hs.5912	NM_012179	ENSG0000	FBXO7	FBX|FBXO7	F-box prc	protein-coding
chr22-457	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr22	45740587	45742473	+	0	NA	intron (	MLT1G3|LT	-18994	NR_039919	1.01E+08		NR_039919	ENSG0000	MIR4762	-	microRNA	ncRNA
chr3-5222	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	52228816	52231744	+	0	NA	intron (	intron (	-4117	NM_017442	54106	Hs.87968	NM_017442	ENSG0000	TLR9	CD289	toll like	protein-coding
chr3-6898	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	68985684	68988374	+	0	NA	intron (	intron (	26655	NR_103826	285203	Hs.518059	NM_173654	ENSG0000	EOGT	AER61|AOS	EGF domai	protein-coding
chr3-1286	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (	L1MC4|LIN	26897	NM_002950	6184	Hs.518244	NM_002950	ENSG0000	RPN1	OST1|RBPF	ribophori	protein-coding
chr3-1809	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (	intron (	23588	NM_001363	8087	Hs.478407	NM_005087	ENSG0000	FXR1	FXR1P	FMR1 autc	protein-coding
chr3-1860	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (	intron (	59953	NM_004454	2119	Hs.43697	NM_004454	ENSG0000	ETV5	ERM	ETS varia	protein-coding
chr3-1913	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	intron (	intron (	-30152	NM_198152	257313	Hs.518492	NM_198152	ENSG0000	UTS2B	U2B|URP|U	urotensir	protein-coding
chr5-5687	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr5	56872023	56874122	+	0	NA	intron (	intron (	-36188	NR_136556	133383	Hs.85950	NM_153706	ENSG0000	SETD9	C5orf35	SET domai	protein-coding
chr5-1317	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	exon (NM_	exon (NM_	-68893	NM_001164	51735	Hs.483329	NM_016340	ENSG0000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr5-1416	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	intron (	intron (	-3705	NM_005219	1729	Hs.529451	NM_005219	ENSG0000	DIAPH1	DFNA1|DIA	diaphanou	protein-coding
chr5-1575	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr5	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	38867	NM_033274	8728	Hs.483944	NM_023038	ENSG0000	ADAM19	FKSG34|MA	ADAM meta	protein-coding
chr6-3647	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr6	36479950	36482684	+	0	NA	intron (	intron (	38317	NM_173562	222658	Hs.188757	NM_173562	ENSG0000	KCTD20	C6orf69|c	potassium	protein-coding
chr6-5760	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr6	57602228	57603554	+	0	NA	intron (	L1MC1|LIN	212759	NR_036097	1E+08		NR_036097	ENSG0000	MIR548U	-	microRNA	ncRNA
chr6-1579	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	-72059	NM_003898	8871	Hs.434494	NM_003898	ENSG0000	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-2115	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	211536	214929	+	0	NA	intron (	intron (	20661	NM_020223	56975	Hs.134742	NM_020223	ENSG0000	FAM20C	DMP-4|DMF	FAM20C gc	protein-coding
chr7-5988	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	5988725	5989742	+	0	NA	intron (	AluSq2|SI	-18550	NM_173565	222967	Hs.442339	NM_173565	ENSG0000	RSPH10B	-	radial sp	protein-coding
chr7-3563	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	35632583	35634682	+	0	NA	3’ UTR (	3’ UTR (	61503	NM_022373	64224	Hs.643051	NM_022373	ENSG0000	HERPUD2	-	HERPUD fa	protein-coding
chr7-4797	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	47972465	47978512	+	0	NA	intron (	intron (	4127	NM_001363	3364	Hs.152983	NM_004507	ENSG0000	HUS1	hHUS1	HUS1 chec	protein-coding
chr7-7763	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	77637487	77640594	+	0	NA	intron (	intron (	57225	NR_134254	1.01E+08	Hs.72451	NR_038361	ENSG0000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr7-9901	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	99010593	99014310	+	0	NA	promoter-	promoter-	-714	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr7-1005	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	1.01E+08	1.01E+08	+	0	NA	intron (	L2c|LINE|	-4638	NM_001289	1.02E+08	Hs.125742	NM_001289933		ZASP	-	ZO-2 assc	protein-coding
chr7-1033	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (	intron (	17216	NM_002803	5701	Hs.437366	NM_002803	ENSG0000	PSMC2	MSS1|Nbla	proteasom	protein-coding
chr7-1378	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (	intron (	-37826	NM_004717	9162	Hs.242947	NM_004717	ENSG0000	DGKI	DGK-IOTA	diacylgly	protein-coding
chr7-1405	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (	AluSx1|SI	-41058	NR_117084	23608	Hs.744883	NM_013446	ENSG0000	MKRN1	RNF61	makorin r	protein-coding
chr8-6728	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr8	67286253	67287788	+	0	NA	intron (	L2a|LINE|	56761	NM_006421	10565	Hs.656902	NM_006421	ENSG0000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-1439	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	16203	NM_201384	5339	Hs.434248	NM_000445	ENSG0000	PLEC	EBS1|EBSM	plectin	protein-coding
chr9-1544	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr9	15441453	15456694	+	0	NA	intron (	AluSx|SIN	26197	NR_161442	6619	Hs.546299	NM_003084	ENSG0000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr9-3244	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr9	32446319	32450623	+	0	NA	intron (	L1PA7|LIN	63828	NM_001362	48	Hs.567229	NM_002197	ENSG0000	ACO1	ACONS|HEC	aconitase	protein-coding
chr9-1275	8.41749	0.04531	0.797588	0.056809	0.954697	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (	AluSx|SIN	4366	NM_022833	64855	Hs.522401	NM_022833	ENSG0000	NIBAN2	C9orf88|F	niban apc	protein-coding
chr3-1828	8.598389	-0.04529	0.797496	-0.05679	0.95471	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	76087	NM_014616	23200	Hs.478429	NM_014616	ENSG0000	ATP11B	ATPIF|ATF	ATPase pł	protein-coding
chr5-1388	8.598389	-0.04529	0.797496	-0.05679	0.95471	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	-50593	NM_001290	1495	Hs.445981	NM_001903	ENSG0000	CTNNA1	CAP102|MI	catenin a	protein-coding
chr2-7325	9.53101	-0.04433	0.781975	-0.05668	0.954797	0.981636	chr2	73252745	73252952	+	0	NA	exon (NM_	exon (NM_	18540	NM_006429	10574	Hs.368149	NM_006429	ENSG0000	CCT7	CCTETA|CC	chaperoni	protein-coding
chr10-580	7.12989	-0.05026	0.886762	-0.05667	0.954806	0.981636	chr10	5808003	5808548	+	0	NA	intron (	AluJb|SIN	5159	NM_001494	2665	Hs.299055	NM_001494	ENSG0000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr1-4670	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr1	46709265	46709906	+	0	NA	intron (	L2b|LINE|	9529	NM_014774	9813	Hs.707688	NM_014774	ENSG0000	EFCAB14	KIAA0494	EF-hand c	protein-coding
chr10-722	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr10	72201268	72203169	+	0	NA	intron (	AluSz6|SI	13738	NM_001369	51008	Hs.500007	NM_015947	ENSG0000	ASCC1	ASC1p50|C	activatir	protein-coding
chr10-102	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (	intron (	-26578	NM_001345	81603	Hs.336810	NM_030912	ENSG0000	TRIM8	GERP|RNF2	tripartit	protein-coding
chr12-519	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr12	51987087	51987750	+	0	NA	intron (	intron (	-19528	NM_181711	160622	Hs.407202	NM_181711	ENSG0000	GRASP	TAMALIN	general r	protein-coding
chr12-935	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr12	93575943	93576860	+	0	NA	3’ UTR (	3’ UTR (	3726	NM_001270	8835	Hs.485572	NM_003877	ENSG0000	SOCS2	CIS2|Cish	suppressc	protein-coding
chr13-235	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr13	23591203	23592128	+	0	NA	intron (	intron (	12305	NM_018647	55504	Hs.149168	NM_018647	ENSG0000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr14-313	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr14	31320861	31321505	+	0	NA	intron (	AluJb|SIN	99367	NM_015473	25938	Hs.744979	NM_015473	ENSG0000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-994	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr14	99428800	99429765	+	0	NA	intron (	intron (	51577	NM_199123	84193	Hs.510407	NM_032233	ENSG0000	SETD3	C14orf154	SET domai	protein-coding
chr17-788	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr17	78899922	78902292	+	0	NA	intron (	CpG	2094	NM_001243	1.01E+08	Hs.734636	NM_001243	ENSG0000	CEP295NL	DDC8|KIAA	CEP295 N-	protein-coding
chr2-4697	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr2	46976338	46978849	+	0	NA	intron (	L2a|LINE|	-35738	NM_001171	90411	Hs.662152	NM_139279	ENSG0000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-9974	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr2	99742061	99742994	+	0	NA	intron (	intron (	-252510	NR_135652	51455	Hs.443077	NM_016316	ENSG0000	REV1	AIBP80|RE	REV1 DNA	protein-coding
chr4-8483	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr4	84839347	84841293	+	0	NA	intron (	intron (	-125296	NR_152774	404201	Hs.46730	NM_205857	ENSG0000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr7-5740	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr7	5740789	5741330	+	0	NA	exon (NM_	exon (NM_	-29149	NR_106934	1.02E+08		NR_106934	ENSG0000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-4509	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr7	45099111	45099948	+	0	NA	TTS (NM_C	TTS (NM_C	4953	NR_002919	654319	Hs.689711	NR_002919	ENSG0000	SNORA5A	ACA5|ACA5	small nuc	snoRNA
chr8-1896	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr8	1896737	1899183	+	0	NA	intron (	intron (	-73437	NR_126346	1.04E+08	Hs.734498	NR_126346	ENSG0000	KBTBD11-C	-	KBTBD11 c	ncRNA
chr9-5033	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr9	5033088	5033518	+	0	NA	intron (	L1PA4|LIN	-8390	NM_001322	3717	Hs.656213	NM_004972	ENSG0000	JAK2	JTK10|THC	Janus kir	protein-coding
chr9-1369	6.460261	0.051085	0.9041	0.056503	0.954941	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (	AluJb|SIN	20361	NM_018998	54461	Hs.522507	NM_018998	ENSG0000	FBXW5	Fbw5	F-box anc	protein-coding
chr11-170	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr11	17094026	17095060	+	0	NA	intron (	AluSx|SIN	-16876	NM_001017	6207	Hs.446588	NM_001017	ENSG0000	RPS13	S13	ribosomal	protein-coding
chr14-233	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr14	23319948	23320520	+	0	NA	promoter-	promoter-	46	NM_004643	8106	Hs.707712	NM_004643	ENSG0000	PABPN1	OPMD|PAB2	poly(A) b	protein-coding
chr2-1084	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (	intron (	19885	NR_028063	9648	Hs.436505	NM_181453	ENSG0000	GCC2	GCC185|RA	GRIP and	protein-coding
chr2-2075	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	TTS (NM_C	TTS (NM_C	18044	NM_001371428								
chr6-5656	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr6	56560651	56561768	+	0	NA	intron (	MIR|SINE|	81680	NM_015548	667	Hs.604915	NM_001723	ENSG0000	DST	BP240|BPA	dystonin	protein-coding
chr7-2297	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr7	22971779	22972975	+	0	NA	intron (	intron (	41753	NM_032581	84668	Hs.85603	NM_032581	ENSG0000	FAM126A	DRCTNNB1A	family wi	protein-coding
chr8-6713	7.889471	0.046767	0.828258	0.056464	0.954972	0.981636	chr8	67138468	67140931	+	0	NA	intron (	L1PA4|LIN	55851	NM_001291	79848	Hs.370147	NM_024790	ENSG0000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr16-139	11.33276	0.039495	0.699641	0.05645	0.954983	0.981636	chr16	13934317	13936027	+	0	NA	exon (NM_	exon (NM_	15015	NM_005236	2072	Hs.567265	NM_005236	ENSG0000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr1-2440	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr1	24408165	24409331	+	0	NA	intron (	intron (	-4739	NM_001322	57185	Hs.523442	NM_020448	ENSG0000	NIPAL3	DJ462023.	NIPA like	protein-coding
chr16-294	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr16	29415279	29416110	+	0	NA	Intergeni	Intergeni	-11149	NM_001310	728888	Hs.720286	NM_001310	ENSG0000	NPIPB11	NPIP	nuclear p	protein-coding
chr19-171	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr19	17109894	17110637	+	0	NA	intron (	intron (	18030	NR_145784	1.1E+08		NR_145784		SNORA118	-	small nuc	snoRNA
chr3-1739	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr3	17393017	17393731	+	0	NA	intron (	L1PA7|LIN	306646	NM_001134	9779	Hs.475629	NM_014744	ENSG0000	TBC1D5	-	TBC1 doma	protein-coding
chr3-5141	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr3	51411815	51413387	+	0	NA	intron (	intron (	21316	NM_013286	29890	Hs.118738	NM_013286	ENSG0000	RBM15B	HUMAGCGB|	RNA bindi	protein-coding
chr9-9352	5.932242	0.053558	0.949123	0.056429	0.955	0.981636	chr9	93527614	93528365	+	0	NA	intron (	intron (	-48595	NM_005392	5253	Hs.211441	NM_005392	ENSG0000	PHF2	CENP-35|C	PHD finge	protein-coding
chr1-1225	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr1	12253196	12253718	+	0	NA	intron (	intron (	23427	NM_015378	55187	Hs.439381	NM_015378	ENSG0000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-5510	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr1	55108329	55110721	+	0	NA	intron (	L4_B_Mam|	69303	NR_110451	255738	Hs.18844	NM_174936	ENSG0000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr12-368	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr12	368538	369582	+	0	NA	intron (	intron (	20260	NM_001042	5927	Hs.76272	NM_005056	ENSG0000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr14-101	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	186	NR_029868	494325		NR_029868	ENSG0000	MIR376A1	MIR376A-1	microRNA	ncRNA
chr16-511	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr16	51141459	51142821	+	0	NA	exon (NM_	exon (NM_	8457	NM_001127	6299	Hs.135787	NM_002968	ENSG0000	SALL1	HEL-S-89|	spalt lik	protein-coding
chr3-5665	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr3	56650651	56651086	+	0	NA	intron (	intron (	13178	NM_015224	23272	Hs.116877	NM_015224	ENSG0000	TASOR	C3orf63|F	transcrip	protein-coding
chr5-3241	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr5	32416740	32417468	+	0	NA	intron (	intron (	-22629	NR_030305	693164		NR_030305	ENSG0000	MIR579	MIRN579|h	microRNA	ncRNA
chr7-9235	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr7	92351937	92353286	+	0	NA	exon (NM_	exon (NM_	84703	NR_145992	1.05E+08		NM_001317	ENSG0000	TMBIM7P	-	transmemb	pseudo
chr7-1587	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	-29439	NR_104054	54892	Hs.18616	NM_017760	ENSG0000	NCAPG2	3KS|CAP-C	non-SMC c	protein-coding

chr8-4295	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr8	42954124	42954492	+	0	NA	intron (N	intron (N	57330	NM_032410	84376	Hs.162852	NM_032410	ENSG00000	HOOK3	HK3	hook micr	protein-coding
chr8-6572	6.684149	-0.05059	0.897367	-0.05638	0.955041	0.981636	chr8	65721445	65723039	+	0	NA	intron (N	intron (N	52369	NM_001145	9650	Hs.584788	NM_014637	ENSG00000	MTFR1	CHPPR|FAM	mitochonc	protein-coding
chr1-2127	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr1	21272775	21273062	+	0	NA	intron (N	intron (N	6697	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-8673	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr1	86733012	86740118	+	0	NA	intron (N	intron (N	31989	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr10-136	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr10	13656528	13657461	+	0	NA	exon (NM_	exon (NM_	50573	NM_001318	55691	Hs.330463	NM_018027	ENSG00000	FRMD4A	CCAFCA|FR	FERM doma	protein-coding
chr10-271	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr10	27129510	27136576	+	0	NA	intron (N	MER5A|DNA	21341	NM_014263	10730	Hs.74647	NM_014263	ENSG00000	YME1L1	FTSH|MEG4	YME1 like	protein-coding
chr10-100	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	11177	NM_001278	1147	Hs.198998	NM_001278	ENSG00000	CHUK	IKBKA|IKK	component	protein-coding
chr11-128	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	12881940	12884970	+	0	NA	intron (N	MIR|SINE|	106093	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-467	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	46702496	46706247	+	0	NA	exon (NM_	exon (NM_	3340	NM_001184	79797	Hs.656931	NM_024741	ENSG00000	ZNF408	EVR6|RP72	zinc fing	protein-coding
chr11-472	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	47242637	47242950	+	0	NA	exon (NM_	exon (NM_	-5507	NM_001251	10062	Hs.438863	NM_005693	ENSG00000	NR1H3	LXR-a|LXR	nuclear r	protein-coding
chr11-476	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	47623594	47631889	+	0	NA	intron (N	AluJr|SIN	14818	NM_014342	23788	Hs.269944	NM_014342	ENSG00000	MTCH2	HSPC032|M	mitochonc	protein-coding
chr11-596	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	59635780	59644768	+	0	NA	intron (N	AluSq2|SI	-24500	NM_002556	5007	Hs.597091	NM_002556	ENSG00000	OSBP	OSBP1	oxysterol	protein-coding
chr11-859	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	85978670	85983110	+	0	NA	intron (N	MIR|SINE|	88194	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-111	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	19455	NM_001258	143903	Hs.503831	NM_178834	ENSG00000	LAYN	-	layilin	protein-coding
chr12-809	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr12	8094512	8096617	+	0	NA	intron (N	intron (N	13290	NM_015509	25977	Hs.555927	NM_015509	ENSG00000	NECAP1	EIEE21	NECAP enc	protein-coding
chr12-120	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSp|SIN	21223	NM_001330	9921	Hs.442798	NM_014868	ENSG00000	RNF10	RIE2	ring fing	protein-coding
chr12-132	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR13|LTR	19486	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr13-370	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr13	37020503	37026585	+	0	NA	intron (N	intron (N	22758	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr14-311	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr14	31132557	31135142	+	0	NA	intron (N	intron (N	73944	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-673	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr14	67343096	67353402	+	0	NA	intron (N	AluSp|SIN	11555	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr14-757	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr14	75783344	75784236	+	0	NA	intron (N	L2c|LINE|	122544	NM_015072	23093	Hs.709609	NM_015072	ENSG00000	TTLL5	CORD19|KI	tubulin t	protein-coding
chr14-962	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr14	96289591	96290764	+	0	NA	intron (N	intron (N	33967	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1R	bradykini	protein-coding
chr15-297	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr15	29758818	29762064	+	0	NA	intron (N	AluSz6|SI	60233	NM_001355	7082	Hs.743990	NM_003257	ENSG00000	TJP1	ZO-1	tight jur	protein-coding
chr15-410	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr15	41076136	41087562	+	0	NA	intron (N	intron (N	34397	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-454	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr15	45410539	45412356	+	0	NA	intron (N	AluJo|SIN	9111	NR_136646	79029	Hs.369657	NM_024063	ENSG00000	SPATA5L1	-	spermatog	protein-coding
chr15-780	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr15	78015446	78016957	+	0	NA	intron (N	intron (N	-21976	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr16-219	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr16	21969527	21974077	+	0	NA	intron (N	intron (N	18441	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr16-669	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr16	66938205	66939615	+	0	NA	intron (N	L2b|LINE|	3394	NM_001365	8824	Hs.282975	NM_003869	ENSG00000	CES2	CE-2|CES2	carboxyle	protein-coding
chr17-815	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr17	815877	820099	+	0	NA	intron (N	AluSz6|SI	35635	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochonc	protein-coding
chr17-295	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr17	29542546	29544377	+	0	NA	3’ UTR (N	3’ UTR (N	23576	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr17-470	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr17	47052346	47054544	+	0	NA	Intergeni	Intergeni	-74192	NM_203400	388394	Hs.367999	NM_203400	ENSG00000	RPRML	-	reprimo l	protein-coding
chr2-3250	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr2	32500288	32503713	+	0	NA	intron (N	intron (N	-30153	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-1709	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	3’ UTR (N	3’ UTR (N	63695	NM_015530	26003	Hs.431317	NM_015530	ENSG00000	GORASP2	GOLPH6|GR	golgi rea	protein-coding
chr2-2061	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	AluSx|SIN	16760	NM_001199	4719	Hs.471207	NM_005006	ENSG00000	NDUFS1	CI-75Kd|C	NADH:ubic	protein-coding
chr20-380	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr20	38065917	38072634	+	0	NA	intron (N	intron (N	35529	NM_021215	58490	Hs.278839	NM_021215	ENSG00000	RPRD1B	C20orf77|	regulatic	protein-coding
chr22-200	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr22	20085808	20102567	+	0	NA	intron (N	intron (N	8129	NR_031706	1E+08		NR_031706	ENSG00000	MIR1306	MIRN1306|	microRNA	ncRNA
chr3-4844	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr3	48441624	48444253	+	0	NA	intron (N	MIR|SINE|	2681	NM_001329	51372	Hs.356440	NM_015933	ENSG00000	TMA7	CCDC72|HS	translati	protein-coding
chr3-5810	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr3	58100659	58103115	+	0	NA	intron (N	intron (N	68748	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1701	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	L2a|LINE|	19216	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomec	protein-coding
chr3-1793	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	6078	NM_033540	55669	Hs.478383	NM_017927	ENSG00000	MFN1	hfzo1|hfz	mitofusir	protein-coding
chr4-8868	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr4	88680665	88681632	+	0	NA	intron (N	intron (N	16681	NM_153757	266812	Hs.12554	NM_153757	ENSG00000	NAP1L5	DRLM	nucleosom	protein-coding
chr4-1405	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	L2a|LINE|	20714	NM_153702	255520	Hs.450105	NM_153702	ENSG00000	ELMOD2	9830169G1	ELMO doma	protein-coding
chr5-4076	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr5	40769569	40772711	+	0	NA	intron (N	intron (N	-15179	NM_012382	23548	Hs.348915	NM_012382	ENSG00000	TTC33	OSRF	tetratric	protein-coding
chr5-7007	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr5	70077387	70080345	+	0	NA	Intergeni	AluSx|SIN	29343	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr5-1405	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-40837	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-3377	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr6	33773739	33780973	+	0	NA	intron (N	intron (N	9586	NM_001143	221496	Hs.444845	NM_181336	ENSG00000	LEMD2	CTRCT42|L	LEM domai	protein-coding
chr6-5350	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr6	53503084	53511038	+	0	NA	intron (N	intron (N	38040	NM_001498	2729	Hs.654465	NM_001498	ENSG00000	GCLC	GCL|GCS|G	glutamate	protein-coding
chr7-1417	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr7	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	5709	NM_001256	6742	Hs.490394	NM_003143	ENSG00000	SSBP1	Mt-SSB|SC	single st	protein-coding
chr9-1132	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	L2c|LINE|	4551	NR_136265	9128	Hs.744014	NM_004697	ENSG00000	PRPF4	HPRP4|HPR	pre-mRNA	protein-coding
chr9-1323	8.896513	0.0438	0.777225	0.056354	0.955059	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	44980	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chr1-1603	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSq2|SI	2031	NM_015331	23385	Hs.517249	NM_015331	ENSG00000	NCSTN	ATAG1874	nicastrir	protein-coding
chr13-445	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr13	44552698	44553214	+	0	NA	intron (N	AluYj4|SI	-22940	NR_038381	641467	Hs.624196	NR_038381	ENSG00000	TSC22D1-A	-	TSC22D1 a	ncRNA
chr2-4657	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr2	46579540	46582211	+	0	NA	promoter-	promoter-	-637	NR_104182	1.01E+08	Hs.658541	NR_104182	ENSG00000	LOC100506	-	uncharact	ncRNA
chr6-7597	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr6	7597838	7598924	+	0	NA	intron (N	AluSx|SIN	8183	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr7-4001	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr7	40018329	40018808	+	0	NA	intron (N	L1PB3|LIN	68208	NM_031267	8621	Hs.233552	NM_003718	ENSG00000	CDK13	CDC2L|CDC	cyclin de	protein-coding
chr7-1247	8.647386	-0.04488	0.796368	-0.05635	0.95506	0.981636	chr7	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	18724	NM_005302	2861	Hs.406094	NM_005302	ENSG00000	GPR37	EDNRBL|PA	G protein	protein-coding
chr13-727	7.227885	-0.04924	0.874611	-0.0563	0.9551	0.981636	chr13	72794052	72794563	+	0	NA	intron (N	L2|LINE|L	12174	NR_146205	10464	Hs.441926	NM_006346	ENSG00000	PIBF1	C13orf24|	progester	protein-coding
chr19-541	4.982055	0.057549	1.02506	0.056142	0.955229	0.981636	chr19	54107440	54108482	+	0	NA	TTS (NM_0	TTS (NM_0	5106	NM_004542	4696	Hs.198269	NM_004542	ENSG00000	NDUFA3	B9|CI-B9	NADH:ubic	protein-coding
chr6-1599	4.982055	0.057549	1.02506	0.056142	0.955229	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	15538	NR_047514	1E+08	Hs.742166	NR_047511	ENSG00000	AIRN	AIR|IGF2R	antisense	ncRNA
chr7-1329	4.982055	0.057549	1.02506	0.056142	0.955229	0.981636	chr7	1.33E+08	1.33E+08	+	0	NA	TTS (NM_0	TTS (NM_0	61638	NR_037427	1.01E+08		NR_037427	ENSG00000	MIR3654	-	microRNA	ncRNA
chr1-1120	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	11209002	11211169	+	0	NA	intron (N	AluSz|SIN	20730	NM_021146	10218	Hs.146559	NM_021146	ENSG00000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-1180	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	11808861	11813571	+	0	NA	intron (N	AluJo|SIN	5025	NM_001286	1185	Hs.193043	NM_001286	ENSG00000	CLCN6	CLC-6	chloride	protein-coding
chr1-2645	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	26457730	26461539	+	0	NA	intron (N	intron (N	7903	NR_125953	1.02E+08	Hs.663256	NR_125952		LOC101928	-	uncharact	ncRNA
chr1-2773	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	27738626	27740454	+	0	NA	intron (N	AluJb|SIN	13579	NM_001143	199870	Hs.469359	NM_152660	ENSG00000	FAM76A	-	family wi	protein-coding
chr1-2789	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	27891342	27892468	+	0	NA	3’ UTR (N	3’ UTR (N	19361	NM_001105	9473	Hs.10649	NM_004848	ENSG00000	THEMIS2	C1orf38|I	thymocyte	protein-coding
chr1-3131	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	31319380	31321553	+	0	NA	intron (N	L1MB5|LIN	23484	NM_016505	51538	Hs.524094	NM_016505	ENSG00000	ZCCHC17	HSPC251|P	zinc fing	protein-coding
chr1-4556	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	45561684	45563324	+	0	NA	intron (N	intron (N	11678	NM_006066	10327	Hs.474584	NM_006066	ENSG00000	AKR1A1	ALDR1|ALR	aldo-ketc	protein-coding
chr1-1139	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (N	MLT1J|LTR	-8444	NM_001286	56944	Hs.9315	NM_020190	ENSG00000	OLFML3	HNOEL-isc	olfactome	protein-coding
chr1-1500	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz|SIN	20930	NM_001279	11311	Hs.443750	NM_007259	ENSG00000	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr11-410	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr11	4105211	4107966	+	0	NA	intron (N	AluSx1|SI	-9490	NM_001318	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|R	ribonucle	protein-coding
chr11-341	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr11	34143064	34148546	+	0	NA	intron (N	intron (N	40176	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr11-642	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr11	64254692	64260398	+	0	NA	intron (N	AluJb|SIN	6015	NM_000932	5331	Hs.523761	NM_000932	ENSG00000	PLCB3	-	phospholi	protein-coding
chr11-685	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr11	68571194	68573519	+	0	NA	intron (N	intron (N	111604	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr12-319	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr12	31997055	31998308	+	0	NA	Intergeni	Tigger3b|	38266	NM_018169	55196	Hs.445129	NM_018169	ENSG00000	RESF1	C12orf35|	retroelem	protein-coding
chr12-327	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr12	32744017	32747415	+	0	NA	TTS (NM_0	TTS (NM_0	10181	NM_001040	51067	Hs.505231	NM_015936	ENSG00000	YARS2	CGI-04|ML	tyrosyl-t	protein-coding
chr12-780	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr12	78045358	78047208	+	0	NA	intron (N	L1PA7|LIN	215389	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr12-105	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	24485	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr12-112	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	31517	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr13-215	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr13	21563729	21564971	+	0	NA	intron (N	L1MCb|LIN	39820	NM_152726	221154	Hs.412103	NM_152726	ENSG00000	MICU2	1110008L2	mitochonc	protein-coding
chr13-524	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr13	52433292	52436291	+	0	NA	intron (N	intron (N	15453	NM_001282	51028	Hs.109520	NM_016075	ENSG00000	VPS36	C13orf9|C	vacuolar	protein-coding
chr13-114	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-28673	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr14-308	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr14	30895114	30896118	+	0	NA	intron (N	intron (N	-5808	NR_038356	1.01E+08	Hs.729195	NR_038356	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-100	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5320	NR_029863	442915		NR_029863	ENSG00000	MIR370	MIRN370|h	microRNA	ncRNA
chr15-204	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr15	20436581	20436957	+	0	NA	intron (N	intron (N	3718	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr15-754	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr15	75488619	75490676	+	0	NA	intron (N	Kanga2_a|	-33832	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 trar	protein-coding
chr16-208	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr16	2087843	2088722	+	0	NA	TTS (NM_0	TTS (NM_0	2002	NR_030646	1E+08		NR_030646	ENSG00000	MIR1225	MIRN1225	microRNA	ncRNA
chr16-481	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr16	4814740	4819572	+	0	NA	intron (N	AluY|SINE	-14206	NM_024589	79641	Hs.459795	NM_024589	ENSG00000	ROGDI	KTZS	rogdi aty	protein-coding
chr16-581	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr16	58173169	58174912	+	0	NA	intron (N	MLT1H|LTR	24066	NM_001896	1459	Hs.82201	NM_001896	ENSG00000	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr17-285	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr17	28559585	28561564	+	0	NA	intron (N	AluSx1|SI	-7946	NM_054035	9094	Hs.410455	NM_005148	ENSG00000	UNC119	HRG4|IMD1	unc-119 l	protein-coding
chr17-788	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr17	78826131	78830672	+	0	NA	intron (N	intron (N	12126	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitir	protein-coding
chr19-164	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr19	1641851	1643574	+	0	NA	intron (N	AluSq|SIN	9903	NM_001136	6929	Hs.371282	NM_003200	ENSG00000	TCF3	AGM8|E2A|	transcrip	protein-coding
chr2-9341	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	9341768	9342518	+	0	NA	intron (N	L1M4|LINE	80448	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-9351	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	9351828	9352955	+	0	NA	intron (N	intron (N	70200	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr2-6954	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	69540517	69542121	+	0	NA	intron (N	AluSz6|SI	-21148	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-1572	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	1771	NM_001329	11227	Hs.269027	NM_014568	ENSG00000	GALNT5	GALNAC-T5	polypepti	protein-coding
chr2-2312	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	Charlie15	60104	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillc	protein-coding
chr2-2332	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluYm1|SI	-4332	NR_003006	677772	Hs.689637	NR_003006	ENSG00000	SCARNA6	U88	small Caj	ncRNA
chr20-328	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr20	3288956	3291152	+	0	NA	intron (N	intron (N	-50864	NM_001174	83959	Hs.105607	NM_032034	ENSG00000	SLC4A11	BTR1|CDPD	solute ca	protein-coding
chr20-347	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr20	34762669	34764739	+	0	NA	intron (N	intron (N	18700	NM_001242	23054	Hs.368971	NM_014071	ENSG00000	NCOA6	AIB3|ASC2	nuclear r	protein-coding
chr22-193	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	19340582	19341529	+	0	NA	intron (N	AluJb|SIN	-49336	NM_007098	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr22-316	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	31693250	31697585	+	0	NA	intron (N	LTR41B|LT	-32853	NM_001326	23761	Hs.420559	NM_014338	ENSG00000	PISD	DJ858B16|	phosphati	protein-coding
chr22-317	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	31722172	31723178	+	0	NA	intron (N	AluY|SINE	27457	NM_173566	253143	Hs.438906	NM_173566	ENSG00000	PRR14L	C22orf30	proline r	protein-coding
chr22-462	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	46273163	46280227	+	0	NA	intron (N	AluJr|SIN	8687	NM_017931	55020	Hs.435832	NM_017931	ENSG00000	TTC38	LL22NC03-	tetratric	protein-coding
chr22-502	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	50207401	50208735	+	0	NA	intron (N	intron (N	7057	NM_031454	83642	Hs.365405	NM_031454	ENSG00000	SELENOO	SELO	selenopro	protein-coding
chr22-505	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr22	50521970	50522896	+	0	NA	intron (N	intron (N	3171	NM_001169	9997	Hs.180903	NM_005138	ENSG00000	SCO2	CEMCOX1|E	SCO cytoc	protein-coding
chr3-3382	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr3	33820734	33825757	+	0	NA	intron (N	intron (N	24615	NM_013374	10015	Hs.475896	NM_013374	ENSG00000	PDCD6IP	AIP1|ALIX	programme	protein-coding
chr3-3813	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr3	38130309	38131591	+	0	NA	intron (N	intron (N	6177	NM_001607	30	Hs.643487	NM_001607	ENSG00000	ACAA1	ACAA|PTHI	acetyl-Co	protein-coding
chr4-2253	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr4	2253236	2255955	+	0	NA	intron (N	L1M2|LINE	-4439	NR_039964	1.01E+08		NR_039964	ENSG00000	MIR4800	mir-4800	microRNA	ncRNA
chr4-4203	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr4	42034659	42036499	+	0	NA	intron (N	AluSq|SIN	45049	NM_006345	10463	Hs.479634	NM_006345	ENSG00000	SLC30A9	BILAPES|C	solute ca	protein-coding
chr4-1682	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	THE1B-int	75952	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr5-1803	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr5	1803087	1807076	+	0	NA	intron (N	AluJb|SIN	3674	NM_004553	4726	Hs.408257	NM_004553	ENSG00000	NDUFS6	CI-13kA|C	NADH:ubic	protein-coding
chr5-8044	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr5	80444834	80446762	+	0	NA	intron (N	AluJr|SIN	37734	NM_001105	9765	Hs.482660	NM_014733	ENSG00000	ZFYVE16	PPP1R69	zinc fing	protein-coding
chr5-1381	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	10775	NM_005733	10112	Hs.718626	NM_005733	ENSG00000	KIF20A	MKLP2|RAB	kinesin f	protein-coding
chr5-1730	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	AluSx|SIN	2751	NR_002988	677841	Hs.692720	NR_002988	ENSG00000	SNORA74B	U19-2	small nuc	snoRNA
chr6-4344	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr6	43440447	43442817	+	0	NA	intron (N	MIRb|SINE	7090	NR_106894	1.02E+08		NR_106894	ENSG00000	MIR6780B	hsa-mir-6	microRNA	ncRNA
chr6-7363	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr6	73634909	73637664	+	0	NA	intron (N	(A)n|Simp	17706	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr6-1008	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	LTR12C|LT	52353	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatir	protein-coding
chr7-1405	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSz|SIN	-59280	NR_117084	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr9-1243	6.939284	0.048768	0.872044	0.055924	0.955403	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-12598	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr8-4150	6.733147	-0.05004	0.89605	-0.05584	0.955469	0.981636	chr8	41502571	41503161	+	0	NA	intron (N	intron (N	12254	NM_001362	51125	Hs.654773	NM_016099	ENSG00000	GOLGA7	GCP16|GOL	golgin A7	protein-coding
chr10-428	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr10	42823243	42825168	+	0	NA	intron (N	L1MA9|LIN	41410	NM_014753	9790	Hs.10848	NM_014753	ENSG00000	BMS1	ACC|BMS1L	BMS1 ribo	protein-coding
chr18-235	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr18	23508710	23511462	+	0	NA	intron (N	AluSz|SIN	6575	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|F	regulator	protein-coding
chr2-9583	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr2	9583491	9584804	+	0	NA	3’ UTR (N	3’ UTR (N	-28317	NM_003183	6868	Hs.404914	NM_003183	ENSG00000	ADAM17	ADAM18|CI	ADAM meta	protein-coding

chr21-466	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr21	46647186	46649585	+	0	NA	intron (N	intron (N	12711	NM_206962	3275	Hs.154163	NM_001535	ENSG0000C	PRMT2	HRMT1L1	protein a	protein-coding
chr3-4941	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr3	49414689	49415771	+	0	NA	3' UTR (N	3' UTR (N	3024	NM_022171	6988	Hs.517962	NM_022171	ENSG0000C	TCTA	-	T cell le	protein-coding
chr4-2941	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr4	2941606	2941864	+	0	NA	intron (N	intron (N	6189	NR_015453	317648	Hs.398178	NR_015453	ENSG0000C	NOP14-AS1	C4orf10|F	NOP14 ant	ncRNA
chr5-1347	9.375535	0.042429	0.759858	0.055838	0.95547	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSx1|SI	32282	NM_014829	9879	Hs.406549	NM_014829	ENSG0000C	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr1-7474	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr1	74740018	74741578	+	0	NA	intron (N	LTR12|LTR	-7390	NM_00113C	1429	Hs.83114	NM_001889	ENSG0000C	CRYZ	-	crystalli	protein-coding
chr1-8885	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr1	88855457	88860225	+	0	NA	intron (N	AluSx|SIN	33726	NM_001514	2959	Hs.481852	NM_001514	ENSG0000C	GTF2B	TF2B|TFII	general t	protein-coding
chr1-1089	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3' UTR (N	3' UTR (N	17212	NM_001278	23155	Hs.658489	NM_015127	ENSG0000C	CLCC1	MCLC	chloride	protein-coding
chr1-1558	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSx1|SI	9634	NM_032292	54856	Hs.656361	NM_032292	ENSG0000C	GON4L	GON-4|GON	gon-4 lik	protein-coding
chr1-2073	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	AluJr|SIN	18708	NR_125349	1604	Hs.126517	NM_000574	ENSG0000C	CD55	CHAPLE|CF	CD55 mole	protein-coding
chr10-693	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr10	69368507	69370329	+	0	NA	intron (N	intron (N	47500	NM_001057	6865	Hs.88372	NM_001057	ENSG0000C	TACR2	NK2R|NKNA	tachykini	protein-coding
chr12-193	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr12	19353396	19356885	+	0	NA	intron (N	intron (N	-84352	NM_001114	121536	Hs.126497	NM_153207	ENSG0000C	AEBP2	-	AE bindir	protein-coding
chr13-984	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr13	98447277	98449484	+	0	NA	3' UTR (N	3' UTR (N	73745	NM_003576	8428	Hs.508514	NM_003576	ENSG0000C	STK24	HEL-S-95|	serine/th	protein-coding
chr13-114	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	5036	NM_00132C	22821	Hs.593075	NM_007368	ENSG0000C	RASA3	GAP1IP4BF	RAS p21 p	protein-coding
chr14-582	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr14	58250298	58256143	+	0	NA	intron (N	AluSx1|SI	8377	NM_002788	5684	Hs.558799	NM_002788	ENSG0000C	PSMA3	HC8|PSC3	proteasom	protein-coding
chr15-484	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr15	48415557	48418075	+	0	NA	intron (N	intron (N	84619	NM_001948	1854	Hs.527980	NM_001948	ENSG0000C	DUT	dUTPase	deoxyuric	protein-coding
chr15-644	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr15	64406014	64408661	+	0	NA	intron (N	intron (N	19501	NM_001321	9325	Hs.500340	NM_016213	ENSG0000C	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr15-807	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr15	80753485	80755593	+	0	NA	3' UTR (N	3' UTR (N	-24831	NM_001293	57214	Hs.459088	NM_018689	ENSG0000C	CEMIP	CCSP1|HYE	cell migr	protein-coding
chr16-173	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr16	1734497	1735144	+	0	NA	promoter-	promoter-	-165	NR_036138	1E+08		NR_036138	ENSG0000C	MIR3177	mir-3177	microRNA	ncRNA
chr16-450	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr16	4506943	4510493	+	0	NA	intron (N	intron (N	12860	NM_001127	3163	Hs.284279	NM_002134	ENSG0000C	HMOX2	HO-2	heme oxyg	protein-coding
chr16-883	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr16	8831109	8832676	+	0	NA	intron (N	intron (N	-17577	NR_147908	1E+08	Hs.735515	NR_147908		LOC10013C	-	uncharact	ncRNA
chr16-281	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr16	28164968	28167987	+	0	NA	intron (N	intron (N	45488	NM_015171	23214	Hs.460468	NM_015171	ENSG0000C	XPO6	EXP6|RANE	exportin	protein-coding
chr17-313	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr17	31351499	31354636	+	0	NA	intron (N	AluSx|SIN	-31445	NM_001003	2123	Hs.591198	NM_01421C	ENSG0000C	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr17-604	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr17	60446588	60454402	+	0	NA	intron (N	AluJb|SIN	28006	NM_181707	124773	Hs.129312	NM_181707	ENSG0000C	C17orf64	-	chromosom	protein-coding
chr17-760	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr17	76038593	76055776	+	0	NA	intron (N	AluJb|SIN	6472	NM_00126C	6730	Hs.514495	NM_01423C	ENSG0000C	SRP68	-	signal re	protein-coding
chr18-209	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr18	20978723	20982605	+	0	NA	intron (N	AluSc8|SI	131149	NM_005406	6093	Hs.306307	NM_005406	ENSG0000C	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-105	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr19	10558967	10560462	+	0	NA	intron (N	intron (N	6296	NM_023008	65095	Hs.709967	NM_023008	ENSG0000C	KRI1	-	KRI1 homc	protein-coding
chr19-166	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr19	16650599	16655138	+	0	NA	exon (NM_	exon (NM_	7276	NM_00130C	79086	Hs.356467	NM_024104	ENSG0000C	SMIM7	C19orf42	small int	protein-coding
chr20-387	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr20	3873709	3874424	+	0	NA	non-codir	non-codir	-14715	NM_02496C	80025	Hs.11418C	NM_02496C	ENSG0000C	PANK2	C20orf48|	pantother	protein-coding
chr21-371	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr21	37140293	37146089	+	0	NA	intron (N	L1PA5|LIN	50735	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG0000C	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-200	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr22	20046600	20049717	+	0	NA	intron (N	AluSq2|SI	15019	NR_029706	406961		NR_029706	ENSG0000C	MIR185	MIRN185|m	microRNA	ncRNA
chr22-205	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr22	20573977	20579468	+	0	NA	intron (N	intron (N	68675	NM_001293	51586	Hs.517421	NM_015889	ENSG0000C	MED15	ARC105|CA	mediator	protein-coding
chr3-5666	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr3	56666906	56672363	+	0	NA	intron (N	intron (N	-5588	NM_015224	23272	Hs.116877	NM_015224	ENSG0000C	TASOR	C3orf63|F	transcrip	protein-coding
chr3-9404	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr3	94044014	94045113	+	0	NA	intron (N	SVA_A|Ret	-15966	NM_001001	415117	Hs.679768	NM_001001	ENSG0000C	STX19	-	syntaxin	protein-coding
chr3-1224	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	24830	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG0000C	LOC102723	-	uncharact	ncRNA
chr3-1542	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr3	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	35212	NM_020865	170506	Hs.446270	NM_020865	ENSG0000C	DHX36	DDX36|G4F	DEAH-box	protein-coding
chr3-1838	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	1190	NR_046727	1.01E+08		NR_046727		YEATS2-AS	-	YEATS2 ar	ncRNA
chr5-2765	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr5	276514	278122	+	0	NA	TTS (NR_C	TTS (NR_C	5672	NM_001267	10016	Hs.50823	NM_013232	ENSG0000C	PDCD6	ALG-2|ALC	programme	protein-coding
chr5-1731	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	THE1B|LTF	4668	NM_01398C	662	Hs.145726	NM_001205	ENSG0000C	BNIP1	NIP1|SEC2	BCL2 inte	protein-coding
chr6-1552	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	17428	NM_01602C	51106	Hs.279908	NM_01602C	ENSG0000C	TFB1M	CGI-75|CC	transcrip	protein-coding
chr7-5718	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr7	5718781	5723461	+	0	NA	exon (NM_	exon (NM_	-9211	NR_106934	1.02E+08		NR_106934	ENSG0000C	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-3588	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr7	35885825	35887498	+	0	NA	intron (N	intron (N	85442	NM_001363	989	Hs.191346	NM_001788	ENSG0000C	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-1024	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	TTS (NM_C	TTS (NM_C	1606	NR_039677	1.01E+08		NR_039677	ENSG0000C	MIR4467	-	microRNA	ncRNA
chr7-1055	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	intron (N	AluSg7|SI	20580	NM_02193C	60561	Hs.531388	NM_02193C	ENSG0000C	RINT1	RINT-1	RAD50 int	protein-coding
chr8-7395	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr8	73957215	73959914	+	0	NA	intron (N	intron (N	13344	NM_001204	6921	Hs.533437	NM_005648	ENSG0000C	ELOC	SIII|TCEE	elongin C	protein-coding
chr8-1405	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJb|SIN	59395	NR_040712	54108	Hs.279704	NM_017444	ENSG0000C	CHRAC1	CHARC1|CF	chromatir	protein-coding
chr8-1406	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSc|SIN	-28416	NM_012154	27161	Hs.660189	NM_012154	ENSG0000C	AGO2	CASC7|EIF	argonaute	protein-coding
chr9-1113	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	LTR16A|LT	-60672	NM_205859	26248	Hs.381312	NM_205859	ENSG0000C	OR2K2	HSHTPCRHC	olfactory	protein-coding
chr9-1363	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	10761	NM_003086	6621	Hs.113265	NM_003086	ENSG0000C	SNAPC4	PTFalpha|	small nuc	protein-coding
chrX-1350	8.152648	-0.04509	0.810107	-0.05566	0.955611	0.981636	chrX	1.35E+08	1.35E+08	+	0	NA	TTS (NM_C	TTS (NM_C	1349	NM_001078	8933	Hs.522789	NM_003928	ENSG0000C	RTL8C	CXX1|FAM1	retrotrar	protein-coding
chr11-117	8.368493	0.045059	0.810535	0.055592	0.955667	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	12482	NM_004716	9159	Hs.648612	NM_004716	ENSG0000C	PCSK7	LPC|PC7|F	proprotei	protein-coding
chr1-2237	8.94551	0.043947	0.791293	0.055538	0.95571	0.981636	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	62225	NM_001031	7159	Hs.523968	NM_005426	ENSG0000C	TP53BP2	53BP2|ASF	tumor prc	protein-coding
chr20-440	8.94551	0.043947	0.791293	0.055538	0.95571	0.981636	chr20	44054661	44055228	+	0	NA	intron (N	intron (N	109048	NM_001098	84969	Hs.26608	NM_032883	ENSG0000C	TOX2	C20orf10C	TOX high	protein-coding
chr16-693	9.424532	0.04258	0.766953	0.055518	0.955726	0.981636	chr16	69379864	69380950	+	0	NA	intron (N	AluSg7|SI	5600	NM_005652	7014	Hs.63335	NM_005652	ENSG0000C	TERF2	TRBF2|TRF	telomeric	protein-coding
chr1-1229	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr1	12293662	12294831	+	0	NA	intron (N	MER119|DN	64216	NM_015378	55187	Hs.439381	NM_015378	ENSG0000C	VPS13D	SCAR4	vacuolar	protein-coding
chr1-1625	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	14639	NM_001324	6675	Hs.492859	NM_003115	ENSG0000C	UAP1	AGX|AGX1|	UDP-N-ace	protein-coding
chr10-873	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr10	87324083	87325661	+	0	NA	intron (N	AluSq2|SI	-17539	NR_029408	439994	Hs.651188	NR_029408	ENSG0000C	LINC00863	-	long inte	ncRNA
chr11-742	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr11	74235234	74239789	+	0	NA	intron (N	AluSc8|SI	66222	NM_001271	51400	Hs.503251	NM_016147	ENSG0000C	PPME1	ABDH19|PN	protein p	protein-coding
chr11-779	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr11	77957525	77957827	+	0	NA	intron (N	AluSx|SIN	36992	NM_033547	92105	Hs.533723	NM_033547	ENSG0000C	INTS4	INT4|MSTC	integratc	protein-coding
chr12-623	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr12	62342771	62343720	+	0	NA	intron (N	L1PA8|LIN	82841	NR_14708C	9958	Hs.434951	NM_006313	ENSG0000C	USP15	UNPH-2|UN	ubiquitir	protein-coding
chr12-111	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx|SIN	47430	NM_002973	6311	Hs.76253	NM_002973	ENSG0000C	ATXN2	ATX2|SCA2	ataxin 2	protein-coding
chr13-213	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr13	21380953	21381872	+	0	NA	intron (N	intron (N	-36553	NR_103841	1.01E+08	Hs.659198	NR_103840		LINC00539	LINC00422	long inte	ncRNA
chr14-100	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	TTS (NR_C	TTS (NR_C	397	NR_003193	767577		NR_003193	ENSG0000C	SNORD114-	14q(II-1)	small nuc	snoRNA
chr15-446	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr15	44640807	44641275	+	0	NA	intron (N	Tigger3d|	22621	NM_00116C	80208	Hs.656271	NM_025137	ENSG0000C	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr17-498	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr17	49809704	49810559	+	0	NA	intron (N	MIRb|SINE	21450	NM_001199	11143	Hs.21907	NM_007067	ENSG0000C	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr18-923	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr18	9238952	9240720	+	0	NA	intron (N	intron (N	-94937	NM_020648	57045	Hs.514685	NM_020648	ENSG0000C	TWSG1	TSG	twisted g	protein-coding
chr19-488	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr19	48853692	48854722	+	0	NA	intron (N	intron (N	14410	NM_001161	57664	Hs.9469	NM_020904	ENSG0000C	PLEKHA4	PEPP1	pleckstri	protein-coding
chr2-1144	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr2	11445435	11447279	+	0	NA	non-codir	non-codir	19804	NR_10349C	1876	Hs.603093	NM_198256	ENSG0000C	E2F6	E2F-6	E2F trans	protein-coding
chr2-3829	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr2	38297073	38298397	+	0	NA	intron (N	intron (N	78795	NM_00133C	64225	Hs.59495C	NM_022374	ENSG0000C	ATL2	ARL3IP2|A	atlastin	protein-coding
chr2-1896	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	TTS (NM_C	TTS (NM_C	4993	NM_019048	54529	Hs.101364	NM_019048	ENSG0000C	ASNSD1	NBLA00058	asparagir	protein-coding
chr2-2328	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	exon (NM_	exon (NM_	-12194	NM_001346	389084	Hs.657509	NM_206895	ENSG0000C	SNORC	ASCL830|C	secondary	protein-coding
chr20-510	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr20	5102348	5103377	+	0	NA	intron (N	L1MA3|LIN	10214	NM_001009	29058	Hs.472024	NM_014145	ENSG0000C	TMEM230	C20orf30|	transmemb	protein-coding
chr3-7299	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr3	72998436	73002139	+	0	NA	intron (N	AluJb|SIN	3476	NM_174907	151987	Hs.431092	NM_174907	ENSG0000C	PPP4R2	PP4R2	protein p	protein-coding
chr3-1203	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	14637	NM_001099	116064	Hs.518084	NM_001099	ENSG0000C	LRRC58	-	leucine r	protein-coding
chr3-1424	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	exon (NM_	exon (NM_	-10914	NM_001282	54464	Hs.435103	NM_019001	ENSG0000C	XRN1	1-Sep	5'-3' exc	protein-coding
chr6-1579	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	-78810	NM_003898	8871	Hs.434494	NM_003898	ENSG0000C	SYNJ2	INPP5H	synaptoja	protein-coding
chr7-7779	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr7	77794016	77794482	+	0	NA	exon (NM_	exon (NM_	4185	NM_032936	85025	Hs.19025	NM_032936	ENSG0000C	TMEM60	C7orf35|D	transmemb	protein-coding
chr7-1300	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	MIRb|SINE	12445	NM_001363	51530	Hs.194157	NM_016478	ENSG0000C	ZC3HC1	HSPC216|N	zinc fing	protein-coding
chr8-3904	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr8	39045770	39050072	+	0	NA	intron (N	L1MB1|LIN	-29236	NR_145988	1.1E+08		NR_145736	ENSG0000C	SNORD38D	-	small nuc	snoRNA
chr9-1229	7.17103	-0.04789	0.862748	-0.05551	0.955735	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-36975	NM_005294	2844	Hs.722039	NM_005294	ENSG0000C	GPR21	-	G proteir	protein-coding
chr15-897	9.903555	0.041348	0.74621	0.055411	0.955811	0.981636	chr15	89786952	89793367	+	0	NA	intron (N	L1MC5a|LI	13827	NM_001039	145873	Hs.37311	NM_001039	ENSG0000C	MESP2	SCDO2|bHL	mesoderm	protein-coding
chr2-2153	9.903555	0.041348	0.74621	0.055411	0.955811	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	35089	NM_004044	471	Hs.90280	NM_004044	ENSG0000C	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-505	9.903555	0.041348	0.74621	0.055411	0.955811	0.981636	chr20	50591715	50591985	+	0	NA	intron (N	AluSg|SIN	6064	NR_030375	693230		NR_030375	ENSG0000C	MIR645	MIRN645|h	microRNA	ncRNA
chr4-5339	9.903555	0.041348	0.74621	0.055411	0.955811	0.981636	chr4	53395480	53396772	+	0	NA	intron (N	AluSq2|SI	18473	NM_001134	81608	Hs.555109	NM_030917	ENSG0000C	FIP1L1	FIP1|Rhe|	factor ir	protein-coding
chr8-5398	9.903555	0.041348	0.74621	0.055411	0.955811	0.981636	chr8	53983598	53984306	+	0	NA	intron (N	AluSp|SIN	38496	NM_201437	6917	Hs.491745	NM_006756	ENSG0000C	TCEA1	GTF2S|SII	transcrip	protein-coding
chr13-479	6.411264	0.05089	0.919715	0.055333	0.955874	0.981636	chr13	47993233	47993593	+	0	NA	intron (N	L3|LINE|C	7913	NM_00385C	8803	Hs.743361	NM_00385C	ENSG0000C	SUCLA2	A-BETA|A-	succinate	protein-coding
chr17-809	6.411264	0.05089	0.919715	0.055333	0.955874	0.981636	chr17	80924774	80925059	+	0	NA	intron (N	intron (N	46297	NR_148968	400627	Hs.591201	NR_148968	ENSG0000C	LOC400627	-	uncharact	ncRNA
chr1-7811	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr1	7811380	7814487	+	0	NA	intron (N	intron (N	28504	NM_001289	8863	Hs.16220C	NM_016831	ENSG0000C	PER3	FASPS3|GI	period ci	protein-coding
chr1-2096	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr1	20968340	20972598	+	0	NA	intron (N	AluSc8|SI	17963	NR_031657	1E+08		NR_031657	ENSG0000C	MIR1256	MIRN1256|	microRNA	ncRNA
chr1-3783	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr1	37830870	37836094	+	0	NA	intron (N	intron (N	-25274	NM_02464C	79693	Hs.301564	NM_02464C	ENSG0000C	YRDC	DRIP3|IRI	yrdC N6-t	protein-coding
chr1-1125	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	Tigger1|D	47326	NM_138727	54879	Hs.201921	NM_017744	ENSG0000C	ST7L	FAM4B|ST7	suppressi	protein-coding
chr1-1864	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	Charlie4z	7300	NM_022375	10896	Hs.679230	NM_022375	ENSG0000C	OCLM	TISR	oculomedi	protein-coding
chr10-631	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr10	63153552	63155454	+	0	NA	3' UTR (N	3' UTR (N	21175	NM_030759	29982	Hs.449628	NM_030759	ENSG0000C	NRBF2	COPR|COPF	nuclear r	protein-coding
chr10-683	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr10	68379523	68386580	+	0	NA	intron (N	AluSz6|SI	24138	NM_017987	55680	Hs.653144	NM_017987	ENSG0000C	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr10-119	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L1ME4a|LI	-30759	NR_03983C	1.01E+08		NR_03983C	ENSG0000C	MIR4682	-	microRNA	ncRNA
chr10-125	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	L2b|LINE|	15085	NR_120633	1.02E+08	Hs.634269	NR_120633	ENSG0000C	EDRF1-AS1	-	EDRF1 ant	ncRNA
chr11-872	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr11	8724182	8726275	+	0	NA	intron (N	MLT1A0|LT	39789	NR_002977	677826	Hs.745552	NR_002977	ENSG0000C	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr11-171	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr11	17134418	17135154	+	0	NA	intron (N	AluJo|SIN	-57119	NM_001017	6207	Hs.446588	NM_001017	ENSG0000C	RPS13	S13	ribosomal	protein-coding
chr11-326	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr11	32603364	32605041	+	0	NA	3' UTR (N	3' UTR (N	20371	NM_00636C	10480	Hs.502244	NM_00636C	ENSG0000C	EIF3M	B5|GA17|F	eukaryoti	protein-coding
chr11-117	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	11102	NR_110269	5049	Hs.728488	NM_002572	ENSG0000C	PAFAH1B2	HEL-S-303	platelet	protein-coding
chr12-112	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	27619	NM_080601	5781	Hs.506852	NM_002834	ENSG0000C	PTPN11	BPTP3|CFC	protein t	protein-coding
chr12-122	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-35787	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr13-205	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr13	20582915	20585842	+	0	NA	intron (N	intron (N	17221	NM_175605	8100	Hs.187376	NM_006531	ENSG0000C	IFT88	D13S1056E	intraflag	protein-coding
chr13-450	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr13	45001649	45005483	+	0	NA	intron (N	intron (N	14028	NM_018559	55425	Hs.731811	NM_018559	ENSG0000C	GPALPP1	AD029|KIA	GPALPP mc	protein-coding
chr13-995	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr13	99546095	99547458	+	0	NA	intron (N	intron (N	-30336	NR_12639C	1.04E+08	Hs.639387	NR_126390		LINC01039	-	long inte	ncRNA
chr14-556	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr14	55652595	55655213	+	0	NA	intron (N	intron (N	73697	NM_001079	3895	Hs.509414	NM_004986	ENSG0000C	KTN1	CG1|KNT|N	kinectin	protein-coding
chr15-309	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr15	30947390	30950478	+	0	NA	intron (N	L1M4|LINE	42694	NM_017762	54893	Hs.30141	NM_017762	ENSG0000C	MTMR10	-	myotubula	protein-coding
chr15-425	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr15	42513503	42515341	+	0	NA	intron (N	AluSx1|SI	18788	NM_003825	8773	Hs.511149	NM_003825	ENSG0000C	SNAP23	HsT17016|	synaptosc	protein-coding
chr15-655	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr15	65504538	65507524	+	0	NA	intron (N	intron (N	11243	NM_19796C	54878	Hs.458609	NM_017743	ENSG0000C	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr16-116	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr16	11683645	11685763	+	0	NA	intron (N	intron (N	16249	NM_003498	8303	Hs.618526	NM_003498	ENSG0000C	SNN	-	stannin	protein-coding
chr16-236	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr16	23643405	23647258	+	0	NA	intron (N	AluSp|SIN	3865	NM_032486	84516	Hs.435941	NM_032486	ENSG0000C	DCTN5	-	dynactin	protein-coding
chr16-572	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr16	57232692	57233980	+	0	NA	intron (N	L2a|LINE|	-11923	NM_012106	23568	Hs.632873	NM_012106	ENSG0000C	ARL2BP	BART|BART	ADP ribos	protein-coding
chr16-581	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr16	58183079	58189272	+	0	NA	intron (N	intron (N	11931	NM_001896	1459	Hs.82201	NM_001896	ENSG0000C	CSNK2A2	CK2A2|CK2	casein ki	protein-coding
chr17-187	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr17	1877068	1877835	+	0	NA	intron (N	intron (N	47446	NM_001355	6117	Hs.461925	NM_002945	ENSG0000C	RPA1	HSSB|MSTC	replicati	protein-coding
chr17-420	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr17	4205169	4208484	+	0	NA	intron (N	intron (N	57021	NM_001257	51479	Hs.696087	NM_016376	ENSG0000C	ANKFY1	ANKHZN|BT	ankyrin r	protein-coding
chr17-671	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr17	67145017	67148654	+	0	NA	intron (N	intron (N	-97941	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr17-818	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr17	81881829	81885599	+	0	NA	Intergeni	AluY|SINE	-7076	NM_001289	51529	Hs.534456	NM_016476	ENSG0000C	ANAPC11	APC11|Apc	anaphase	protein-coding
chr19-471	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr19	4714213	4720915	+	0	NA	intron (N	intron (N	6278	NR_158699	91039	Hs.515081	NM_139159	ENSG0000C	DPP9	DP9|DPLP9	dipeptidy	protein-coding
chr19-793	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr19	7930067	7934687	+	0	NA	intron (N	intron (N	-6242	NM_206833	404217	Hs.657978	NM_206833	ENSG0000C	CTXN1	CTXN	cortexin	protein-coding
chr19-519	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr19	51933433	51934861	+	0	NA	intron (N	L1MB4|LIN	6675	NM_02484C	79898	Hs.183390	NM_02484C	ENSG0000C	ZNF613	-	zinc fing	protein-coding
chr19-533	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr19	53377611	53382394	+	0	NA	intron (N	AluSz|SIN	14297	NM_001348	170958	Hs.352638	NM_001348	ENSG0000C	ZNF525	-	zinc fing	protein-coding
chr2-3882	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	38824269	38826136	+	0	NA	intron (N	intron (N	46992	NM_024775	79833	Hs.143818	NM_024775	ENSG0000C	GEMIN6	-	gem nucle	protein-coding
chr2-4630	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	46304684	46305994	+	0	NA	intron (N	intron (N	7932	NM_00143C	2034	Hs.46841C	NM_00143C	ENSG0000C	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-7114	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	71145763	71149644	+	0	NA	intron (N	intron (N	17069	NM_005791	10199	Hs.656208	NM_005791	ENSG0000C	MPHOSPH1C	CT90|MPP1	M-phase p	protein-coding

chr2-1087	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSc8|SI	21945	NM_006267	5903	Hs.199561	NM_006267	ENSG00000	RANBP2	ADANE|ANF	RAN bindi	protein-coding
chr2-1311	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	35483	NM_001309	55041	Hs.469944	NM_017958	ENSG00000	PLEKHB2	EVT2	pleckstri	protein-coding
chr2-1710	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L2a|LINE|	52606	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-1908	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	Tigger16b	17152	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr2-2238	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	50915	NM_020830	57590	Hs.368359	NM_020830	ENSG00000	WDFY1	FENS-1|FE	WD repeat	protein-coding
chr2-2312	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSp|SIN	65888	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr2-2328	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluSc8|SI	-35723	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr2-2335	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr2	2.34E+08	2.34E+08	+	0	NA	intron (N	L1PA3|LIN	3331	NM_018218	55230	Hs.96513	NM_018218	ENSG00000	USP40	-	ubiquitin	protein-coding
chr20-365	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr20	36506893	36508728	+	0	NA	non-codir	non-codir	-33709	NM_181526	10398	Hs.504687	NM_006097	ENSG00000	MYL9	LC20|MLC-	myosin li	protein-coding
chr21-363	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr21	36358200	36373502	+	0	NA	intron (N	AluSq2|SI	-19541	NM_005441	8208	Hs.75238	NM_005441	ENSG00000	CHAF1B	CAF-1|CAF	chromatin	protein-coding
chr22-298	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr22	29801524	29810619	+	0	NA	intron (N	intron (N	32203	NM_001369	84164	Hs.731754	NM_032204	ENSG00000	ASCC2	ASC1p100|	activatin	protein-coding
chr22-314	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr22	31408453	31417004	+	0	NA	intron (N	AluJb|SIN	13124	NM_004147	4733	Hs.115242	NM_004147	ENSG00000	DRG1	NEDD3	developme	protein-coding
chr22-457	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr22	45720187	45720927	+	0	NA	intron (N	L1MB2|LIN	-39967	NR_039919	1.01E+08		NR_039919	ENSG00000	MIR4762	-	microRNA	ncRNA
chr3-5205	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	5205953	5209403	+	0	NA	intron (N	AluSx1|SI	19971	NM_014674	9695	Hs.224616	NM_014674	ENSG00000	EDEM1	EDEM	ER degrac	protein-coding
chr3-3067	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	30671026	30671631	+	0	NA	intron (N	L2c|LINE|	64727	NM_003242	7048	Hs.82028	NM_003242	ENSG00000	TGFBR2	AAT3|FAA3	transform	protein-coding
chr3-3313	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	33132261	33135384	+	0	NA	intron (N	intron (N	19864	NM_006371	10491	Hs.517888	NM_006371	ENSG00000	CRTAP	CASP|LEPR	cartilage	protein-coding
chr3-5263	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	52632602	52634510	+	0	NA	intron (N	L1MB3|LIN	52043	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromo	protein-coding
chr3-5263	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	52638168	52645412	+	0	NA	intron (N	intron (N	43809	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromo	protein-coding
chr3-5547	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	55475481	55481045	+	0	NA	intron (N	intron (N	3135	NM_001256	7474	Hs.643085	NM_003392	ENSG00000	WNT5A	hWNT5A	Wnt famil	protein-coding
chr3-1327	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-19538	NR_002811	348808	Hs.586111	NR_002811	ENSG00000	NPHP3-AS1	NCRNA0011	NPHP3 ant	ncRNA
chr3-1790	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	HERV17-in	12939	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr3-1978	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	exon (NM_	exon (NM_	44552	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-5821	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr4	5821415	5822124	+	0	NA	exon (NM_	exon (NM_	66044	NM_001288	1400	Hs.135270	NM_001313	ENSG00000	CRMP1	CRMP-1|DF	collapsin	protein-coding
chr4-7765	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr4	7765957	7767235	+	0	NA	intron (N	intron (N	12506	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr4-3985	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr4	39854377	39863008	+	0	NA	intron (N	AluSq2|SI	119219	NM_001100	23244	Hs.331431	NM_015200	ENSG00000	PDS5A	PIG54|SCC	PDS5 cohe	protein-coding
chr4-7578	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr4	75781980	75783534	+	0	NA	exon (NM_	exon (NM_	58235	NM_001290	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr4-1218	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	11131	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr5-1392	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	13924460	13925053	+	0	NA	intron (N	MIR|SINE|	19724	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-4355	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	43551586	43553501	+	0	NA	intron (N	intron (N	4534	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr5-1246	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	104340	NM_020747	57507	Hs.266616	NM_020747	ENSG00000	ZNF608	NY-REN-36	zinc fing	protein-coding
chr5-1297	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-26724	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr5-1347	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSq2|SI	13437	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1685	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr5	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-21173	NM_001355	345630	Hs.166262	NM_001355	ENSG00000	FBLL1	-	fibrillar	protein-coding
chr6-3172	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	31726374	31727492	+	0	NA	TTS (NM_0	TTS (NM_0	2366	NM_001303	23564	Hs.247362	NM_013974	ENSG00000	DDAH2	DDAH|DDAH	dimethyla	protein-coding
chr6-4264	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	42648997	42651114	+	0	NA	intron (N	intron (N	72542	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr6-5308	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	53085396	53089428	+	0	NA	intron (N	MER101-in	16439	NM_012347	26268	Hs.216653	NM_012347	ENSG00000	FBXO9	FBX9|NY-R	F-box pro	protein-coding
chr6-7348	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	73485819	73491006	+	0	NA	intron (N	AluJr|SIN	26675	NM_001123	25821	Hs.347614	NM_012123	ENSG00000	MTO1	CGI-02|CC	mitochonc	protein-coding
chr6-7526	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	75262280	75266291	+	0	NA	intron (N	intron (N	-13987	NM_001865	1347	Hs.70312	NM_001865	ENSG00000	COX7A2	COX7AL|CC	cytochrom	protein-coding
chr6-1473	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	-111318	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr6-1509	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	39405	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-9893	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr7	98936515	98942266	+	0	NA	intron (N	intron (N	57693	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr8-8167	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr8	81678343	81678900	+	0	NA	intron (N	AluSq2|SI	7704	NM_005536	3612	Hs.656694	NM_005536	ENSG00000	IMPA1	IMP|IMPA|	inositol	protein-coding
chr9-3633	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr9	36338961	36341604	+	0	NA	intron (N	intron (N	59987	NM_194329	152006	Hs.333503	NM_022781	ENSG00000	RNF38	-	ring fing	protein-coding
chr9-9203	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr9	92033211	92034553	+	0	NA	intron (N	intron (N	81531	NM_006415	10558	Hs.90458	NM_006415	ENSG00000	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr9-1113	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-54591	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHO	olfactory	protein-coding
chr9-1208	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	L1MB3|LIN	20930	NM_005047	5711	Hs.193725	NM_005047	ENSG00000	PSMD5	S5B	proteasom	protein-coding
chr9-1249	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	12106	NM_002077	2800	Hs.59504	NM_002077	ENSG00000	GOLGA1	golgin-97	golgin A1	protein-coding
chrX-4575	7.418306	0.046756	0.84522	0.055318	0.955885	0.981636	chrX	45756702	45758220	+	0	NA	Intergeni	L1ME1|LIN	-10337	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr17-305	8.10365	-0.04563	0.825451	-0.05528	0.955914	0.981636	chr17	30500682	30502044	+	0	NA	intron (N	L1MC2|LIN	23955	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr18-959	8.10365	-0.04563	0.825451	-0.05528	0.955914	0.981636	chr18	9593532	9594078	+	0	NA	exon (NM_	exon (NM_	20754	NR_052003	9989	Hs.743236	NM_005134	ENSG00000	PPP4R1	MEG1|PP4(	protein p	protein-coding
chr12-928	9.854557	0.04117	0.745001	0.055262	0.95593	0.981636	chr12	92850007	92853339	+	0	NA	intron (N	intron (N	77622	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr2-6463	9.854557	0.04117	0.745001	0.055262	0.95593	0.981636	chr2	64634963	64636698	+	0	NA	3' UTR (N	3' UTR (N	18083	NM_014755	9792	Hs.591569	NM_014755	ENSG00000	SERTAD2	Sei-2|TRI	SERTA dom	protein-coding
chr1-1846	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	55421	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrac	protein-coding
chr14-732	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr14	73285835	73286588	+	0	NA	intron (N	(T)n|Simp	-40210	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr15-422	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr15	42223361	42224003	+	0	NA	intron (N	MSTD|LTR|	-15378	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr15-434	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr15	43465864	43466628	+	0	NA	intron (N	HAL1|LINE	26910	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr18-575	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr18	57567810	57569972	+	0	NA	intron (N	intron (N	17811	NM_001371095								
chr3-1254	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr3	1.25E+08	1.26E+08	+	0	NA	intron (N	AluSx3|SI	20362	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting r	protein-coding
chr4-5797	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr4	5797994	5799345	+	0	NA	exon (NM_	exon (NM_	87468	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr5-1549	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	AluY|SINE	27366	NM_015465	25929	Hs.483921	NM_015465	ENSG00000	GEMIN5	GEMIN-5	gem nucle	protein-coding
chr8-1328	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1D|LTR	-36582	NM_003235	7038	Hs.654591	NM_003235	ENSG00000	TG	AITD3|TGN	thyroglob	protein-coding
chr9-6690	5.461077	0.054034	0.978029	0.055248	0.955941	0.981636	chr9	66903379	66904458	+	0	NA	intron (N	intron (N	557	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr1-1553	10.38258	0.040224	0.728418	0.055221	0.955962	0.981636	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	8507	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr3-1856	10.38258	0.040224	0.728418	0.055221	0.955962	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	exon (NM_	exon (NM_	-23789	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr8-2900	10.38258	0.040224	0.728418	0.055221	0.955962	0.981636	chr8	29000181	29000749	+	0	NA	intron (N	L1M4|LINE	109151	NM_001324	79618	Hs.563560	NM_024567	ENSG00000	HMBOX1	HNF1LA|HC	homeobox	protein-coding
chrX-1041	3.982871	0.063263	1.146083	0.055199	0.95598	0.981636	chrX	1.04E+08	1.04E+08	+	0	NA	3' UTR (N	3' UTR (N	24026	NM_207318	139231	Hs.496535	NM_207318	ENSG00000	FAM199X	CXorf39	family wi	protein-coding
chr20-340	7.714765	-0.04684	0.850786	-0.05506	0.956092	0.981636	chr20	34076756	34077620	+	0	NA	exon (NM_	exon (NM_	28069	NR_039911	1.01E+08		NR_039911	ENSG00000	MIR4755	mir-4755	microRNA	ncRNA
chr4-1208	7.353593	0.050669	0.922079	0.054951	0.956177	0.981636	chr4	1.21E+08	1.21E+08	+	0	NA	intron (N	LTR12C|LT	115297	NM_018699	11107	Hs.666782	NM_018699	ENSG00000	PRDM5	BCS2|PFM2	PR/SET do	protein-coding
chr1-2295	7.220027	-0.04735	0.865816	-0.05469	0.956386	0.981636	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	22018	NR_110630	1.02E+08	Hs.229275	NR_110630		LOC101927	-	uncharact	ncRNA
chr18-797	7.220027	-0.04735	0.865816	-0.05469	0.956386	0.981636	chr18	79720433	79720964	+	0	NA	intron (N	MER21C|LT	39268	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCF	CTD phosp	protein-coding
chr19-158	7.220027	-0.04735	0.865816	-0.05469	0.956386	0.981636	chr19	1581036	1581604	+	0	NA	intron (N	intron (N	11545	NM_001281	53615	Hs.178728	NM_003926	ENSG00000	MBD3	-	methyl-Cp	protein-coding
chr6-9054	7.220027	-0.04735	0.865816	-0.05469	0.956386	0.981636	chr6	90543710	90544281	+	0	NA	intron (N	intron (N	43077	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr1-2684	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr1	26846912	26847225	+	0	NA	intron (N	AluSc8|SI	-16081	NM_006142	2810	Hs.523718	NM_006142	ENSG00000	SFN	YWHAS	stratifin	protein-coding
chr1-2821	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr1	28219534	28222406	+	0	NA	intron (N	intron (N	12059	NM_014280	22826	Hs.433540	NM_014280	ENSG00000	DNAJC8	HSPC331|S	DnaJ heat	protein-coding
chr1-9313	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr1	93134460	93137167	+	0	NA	intron (N	AluJr|SIN	44600	NM_001167	50999	Hs.482873	NM_016040	ENSG00000	TMED5	CGI-100|p	transmemb	protein-coding
chr1-1512	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	16944	NM_001135	8394	Hs.655131	NM_003557	ENSG00000	PIP5K1A	-	phosphati	protein-coding
chr10-294	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr10	29484431	29485557	+	0	NA	non-codir	non-codir	60103	NR_030335	693189		NR_030335	ENSG00000	MIR604	MIRN604|h	microRNA	ncRNA
chr11-124	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr11	1.25E+08	1.25E+08	+	0	NA	intron (N	MIRb|SINE	8996	NR_016021	84897	Hs.436410	NM_032811	ENSG00000	TBRG1	NIAM|TB-5	transform	protein-coding
chr12-520	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr12	52072046	52072539	+	0	NA	intron (N	MIR|SINE|	2314	NM_001098	60673	Hs.9911	NM_021934	ENSG00000	ATG101	C12orf44	autophagy	protein-coding
chr12-672	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr12	67297425	67298573	+	0	NA	intron (N	intron (N	28641	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr12-673	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr12	67311668	67314345	+	0	NA	3' UTR (N	3' UTR (N	43648	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr12-100	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	intron (N	-62440	NM_001352	56899	Hs.506458	NM_020140	ENSG00000	ANKS1B	AIDA|AIDA	ankyrin r	protein-coding
chr13-113	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	15613	NM_001008	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr14-102	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L2|LINE|L	60815	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-414	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr15	41465506	41467346	+	0	NA	intron (N	L1MC5|LIN	-27448	NM_002220	3706	Hs.2722	NM_002220	ENSG00000	ITPKA	IP3-3KA|I	inositol-	protein-coding
chr15-525	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr15	52549603	52553003	+	0	NA	3' UTR (N	3' UTR (N	17529	NM_001330	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr19-768	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr19	7682476	7683848	+	0	NA	3' UTR (N	3' UTR (N	2329	NM_001042	126003	Hs.432413	NM_174894	ENSG00000	TRAPPC5	TRS31	trafficki	protein-coding
chr2-9429	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr2	9429916	9433645	+	0	NA	intron (N	AluSx|SIN	8126	NM_016207	51692	Hs.515972	NM_016207	ENSG00000	CPSF3	CPSF-73|C	cleavage	protein-coding
chr2-1327	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L2a|LINE|	-52288	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr2-1744	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	intron (N	8323	NM_024583	79634	Hs.470679	NM_024583	ENSG00000	SCRN3	SES3	secernin	protein-coding
chr22-243	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr22	24349472	24351370	+	0	NA	intron (N	intron (N	8313	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-5265	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr3	52655475	52664013	+	0	NA	intron (N	intron (N	25855	NM_001350	55193	Hs.189920	NM_018165	ENSG00000	PBRM1	BAF180|PE	polybromo	protein-coding
chr4-6830	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	6830680	6831998	+	0	NA	intron (N	AluSg|SIN	48607	NM_001100	9778	Hs.79276	NM_014743	ENSG00000	KIAA0232	-	KIAA0232	protein-coding
chr4-4469	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	44697895	44700792	+	0	NA	3' UTR (N	3' UTR (N	20923	NM_021927	60558	Hs.546419	NM_021927	ENSG00000	GUF1	EF-4|EF4|	GUF1 homo	protein-coding
chr4-6832	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	68326614	68333383	+	0	NA	intron (N	intron (N	20092	NM_001330	91746	Hs.175955	NM_133370	ENSG00000	YTHDC1	YT521|YT5	YTH domai	protein-coding
chr4-8002	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	80029647	80031466	+	0	NA	intron (N	intron (N	42673	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr4-8473	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	84732323	84733408	+	0	NA	intron (N	intron (N	149738	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-1221	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	22689	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-3150	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr5	31507125	31511294	+	0	NA	intron (N	intron (N	22884	NM_013235	29102	Hs.97997	NM_013235	ENSG00000	DROSHA	ETOHI2|HS	drosha ri	protein-coding
chr5-1129	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	12325	NM_005669	7905	Hs.429608	NM_005669	ENSG00000	REEP5	C5orf18|D	receptor	protein-coding
chr5-1501	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-19479	NM_005211	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr6-1614	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	16141609	16143534	+	0	NA	TTS (NR_0	TTS (NR_0	1015	NR_039782	1.01E+08		NR_039782	ENSG00000	MIR4639	-	microRNA	ncRNA
chr6-1782	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	17827076	17830893	+	0	NA	intron (N	AluSz|SIN	121941	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-4264	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	42640963	42643404	+	0	NA	intron (N	intron (N	78154	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr6-8769	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	87699631	87701377	+	0	NA	intron (N	intron (N	1729	NM_018064	55122	Hs.485915	NM_018064	ENSG00000	AKIRIN2	C6orf166|	akirin 2	protein-coding
chr6-1497	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSg|SIN	24542	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr6-1571	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	133779	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6c	transmemb	protein-coding
chr8-1023	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	70700	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|E	ubiquitin	protein-coding
chr8-1406	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSp|SIN	-38867	NM_012154	27161	Hs.660189	NM_012154	ENSG00000	AGO2	CASC7|EIF	argonaute	protein-coding
chr9-8841	7.897328	0.044976	0.822681	0.05467	0.956401	0.981636	chr9	88418396	88421499	+	0	NA	intron (N	LTR54|LTR	31503	NM_006717	10927	Hs.146804	NM_006717	ENSG00000	SPIN1	SPIN|TDRD	spindlin	protein-coding
chr1-1576	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr1	15767893	15769299	+	0	NA	exon (NM_	exon (NM_	4097	NM_001024	54751	Hs.530101	NM_017556	ENSG00000	FBLIM1	CAL|FBLP-	filamin b	protein-coding
chr10-114	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	37394	NM_001135	57700	Hs.192619	NM_020940	ENSG00000	FAM160B1	KIAA1600|	family wi	protein-coding
chr20-463	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr20	46368293	46368950	+	0	NA	intron (N	intron (N	-4163	NM_001281	51006	Hs.593344	NM_015945	ENSG00000	SLC35C2	BA39402.1	solute ca	protein-coding
chr20-491	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr20	49123666	49124875	+	0	NA	intron (N	intron (N	64100	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr4-1759	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr4	17598371	17599397	+	0	NA	intron (N	AluSx|SIN	-15757	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr5-1543	7.946326	0.045197	0.827469	0.05462	0.956441	0.981636	chr5	1.54E+08	1.54E+08	+	0	NA	intron (N	MLT1D|LTR	34672	NR_031626	1E+08		NR_031626	ENSG00000	MIR1294	MIRN1294|	microRNA	ncRNA
chr11-614	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr11	61403054	61407113	+	0	NA	intron (N	intron (N	12496	NM_001173	51259	Hs.26745	NM_016499	ENSG00000	TMEM216	HSPC244	transmemb	protein-coding
chr12-121	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	non-codir	non-codir	-1537	NM_144668	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr14-574	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr14	57404084	57404501	+	0	NA	intron (N	AluSg|SIN	13706	NM_001011	122830	Hs.165465	NM_001011	ENSG00000	NAA30	C14orf35|	N(alpha)-	protein-coding
chr15-731	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr15	73142272	73142718	+	0	NA	intron (N	intron (N	90011	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NC	neogenin	protein-coding
chr19-477	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr19	47747054	47750660	+	0	NA	intron (N	AluSz|SIN	3311	NM_015710	29997	Hs.421907	NM_015710	ENSG00000	NOP53	GLTSCR2|F	NOP53 rib	protein-coding
chr20-233	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr20	23369108	23371192	+	0	NA	exon (NM_	exon (NM_	5787	NM_001317	64412	Hs.709462	NM_022482	ENSG00000	GZF1	JLSM|ZBTE	GDNF indu	protein-coding
chr3-1236	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MIR|SINE|	7892	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA

chr3-143	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (	intron (	21572	NM_00132	23350	Hs.59657	NM_00108	ENSG0000	U2SURP	SR140|fS	U2 snRNP	protein-coding
chr7-538	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr7	5386489	5389698	+	0	NA	exon (NM_	exon (NM_	35453	NM_00108	84629	Hs.52063	NM_00101	ENSG0000	TNRC18	CAGL79|T	trinucle	protein-coding
chr7-988	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr7	98896089	98899086	+	0	NA	intron (	intron (	15890	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Ca	ncRNA
chr8-131	8.639528	-0.04319	0.791366	-0.05457	0.956478	0.981636	chr8	13130651	13132071	+	0	NA	intron (	intron (	1928	NM_006094	10395	Hs.13429	NM_006094	ENSG0000	DLC1	ARHGAP7|	DLC1 Rho	protein-coding
chr1-258	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr1	25899968	25901824	+	0	NA	3’ UTR (	3’ UTR (	5257	NM_203401	3925	Hs.20998	NM_00556	ENSG0000	STMN1	C1orf215|	stathmin	protein-coding
chr1-1137	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	intron (	L1M1|LIN	38982	NM_00660	10745	Hs.655824	NM_00660	ENSG0000	PHTF1	PHTF	putative	protein-coding
chr1-1801	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	AluJr|SI	7727	NM_00282	5768	Hs.71917	NM_00282	ENSG0000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-30	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr10	30339086	30340960	+	0	NA	intron (	intron (	9315	NM_01810	55149	Hs.17394	NM_01810	ENSG0000	MTPAP	PAPD1|SP	mitochon	protein-coding
chr10-431	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr10	43182024	43185525	+	0	NA	non-codi	non-codi	28877	NM_00131	55454	Hs.65756	NM_01859	ENSG0000	CSGALNACT	CHGN2|Ch	chondroit	protein-coding
chr10-10	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (	THE1B-int	19224	NM_001351	22978	Hs.97439	NM_01222	ENSG0000	NT5C2	GMP|NT5B	5’-nucle	protein-coding
chr11-11	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr11	11934119	11935017	+	0	NA	intron (	L2a|LINE|	74071	NM_00101	27122	Hs.29215	NM_01325	ENSG0000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-777	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr11	77724883	77725437	+	0	NA	intron (	L1MB3|LI	-87354	NM_001311	1207	Hs.43073	NM_00129	ENSG0000	CLNS1A	CLCI|CLN	chloride	protein-coding
chr12-51	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr12	51069959	51074181	+	0	NA	intron (	intron (	11526	NR_04507	81566	Hs.52442	NM_03080	ENSG0000	CSRNP2	C12orf2|	cysteine	protein-coding
chr13-45	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr13	45518997	45520250	+	0	NA	intron (	MER6B|DN	54684	NM_031431	83548	Hs.50794	NM_031431	ENSG0000	COG3	SEC34	component	protein-coding
chr14-31	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr14	31021632	31022996	+	0	NA	intron (	AluY|SIN	-2792	NM_001254	11154	Hs.293411	NM_007077	ENSG0000	AP4S1	AP47B|CL	adaptor	protein-coding
chr14-501	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr14	50131991	50133629	+	0	NA	intron (	HSMAR2|D	-16238	NR_04973	79609	Hs.558541	NM_02455	ENSG0000	VCPKMT	C14orf13	valosin	protein-coding
chr14-55	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr14	55629695	55630474	+	0	NA	exon (NM_	exon (NM_	49877	NM_00107	3895	Hs.509414	NM_00498	ENSG0000	KTN1	CG1|KNT|	kinectin	protein-coding
chr15-494	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr15	49442638	49444591	+	0	NA	intron (	MER63C|D	20372	NM_00200	2252	Hs.56726	NM_00200	ENSG0000	FGF7	HBGF-7|K	fibrobla	protein-coding
chr15-717	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr15	71764702	71765732	+	0	NA	intron (	intron (	-45337	NM_01634	10002	Hs.187354	NM_01424	ENSG0000	NR2E3	ESCS|PNR|	nuclear	protein-coding
chr15-84	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr15	84639099	84642378	+	0	NA	TTS (NR_1	TTS (NR_1	9278	NR_00485	54581	Hs.658114	NM_022050		SCAND2P	SCAND2	SCAN dom	pseudo
chr16-35	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr16	3523317	3523863	+	0	NA	intron (	MER45A|D	13696	NM_02479	23059	Hs.15599	NM_015041	ENSG0000	CLUAP1	CFAP22|F	clusteri	protein-coding
chr16-44	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr16	4455936	4457405	+	0	NA	3’ UTR (	3’ UTR (	17955	NM_001351	57407	Hs.28896	NM_020677	ENSG0000	NMRAL1	HSCARG|S	NmrA lik	protein-coding
chr16-317	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr16	31731386	31731991	+	0	NA	intron (	L1MA9|LI	18459	NM_00113	124411	Hs.52882	NM_001004	ENSG0000	ZNF720	-	zinc fin	protein-coding
chr17-42	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr17	4208695	4209907	+	0	NA	intron (	intron (	54546	NM_001257	51479	Hs.696087	NM_01637	ENSG0000	ANKFY1	ANKHZN|B	ankyrin	protein-coding
chr17-31	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr17	31358379	31359242	+	0	NA	intron (	intron (	-32865	NM_03293	84440	Hs.40678	NM_03293	ENSG0000	RAB11FIP4	FIP4-Rab1	RAB11 fa	protein-coding
chr17-31	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr17	31360478	31362533	+	0	NA	intron (	intron (	-30170	NM_03293	84440	Hs.40678	NM_03293	ENSG0000	RAB11FIP4	FIP4-Rab1	RAB11 fa	protein-coding
chr17-35	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr17	35622504	35625650	+	0	NA	intron (	(ATGTCAT)	36755	NM_00103	163	Hs.51481	NM_00128	ENSG0000	AP2B1	ADTB2|AP1	adaptor	protein-coding
chr17-394	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr17	39428199	39428645	+	0	NA	intron (	AluSc8|SI	22841	NM_004774	5469	Hs.643754	NM_004774	ENSG0000	MED1	CRSP1|CR	mediator	protein-coding
chr18-41	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr18	41957691	41959734	+	0	NA	intron (	(TA)n|Si	3478	NM_002647	5289	Hs.464971	NM_002647	ENSG0000	PIK3C3	VPS34|Vp	phosphati	protein-coding
chr19-15	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr19	15355900	15359486	+	0	NA	intron (	intron (	22094	NM_00585	10270	Hs.59449	NM_00585	ENSG0000	AKAP8	AKAP 95|	A-kinase	protein-coding
chr19-471	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr19	47154800	47156467	+	0	NA	intron (	AluSq2|SI	24798	NM_00114	10055	Hs.51550	NM_00550	ENSG0000	SAE1	AOS1|HSP	SUMO1 act	protein-coding
chr2-107	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr2	10796224	10798677	+	0	NA	intron (	intron (	15335	NM_00574	10130	Hs.21210	NM_00574	ENSG0000	PDIA6	ERP5|P5|	protein	protein-coding
chr2-8614	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr2	86142353	86151384	+	0	NA	intron (	AluSz6|SI	10998	NR_00437	692225	Hs.723087	NR_00437	ENSG0000	SNORD94	U94	small nu	snoRNA
chr2-1134	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	25696	NM_00133	150472	Hs.53133	NM_17200	ENSG0000	CBWD2	-	COBW dom	protein-coding
chr20-34	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr20	34392956	34395045	+	0	NA	intron (	AluSz6|SI	30727	NM_001324	83737	Hs.63227	NM_03148	ENSG0000	ITCH	ADMFD|AI	itchy E3	protein-coding
chr20-34	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr20	34504072	34508638	+	0	NA	intron (	L1MB3|LI	-10029	NM_00131	83658	Hs.59392	NM_01418	ENSG0000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr20-44	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr20	44972475	44976020	+	0	NA	non-codi	non-codi	7735	NR_147974	6789	Hs.47283	NM_00628	ENSG0000	STK4	KRS2|MST1	serine/t	protein-coding
chr20-49	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr20	49074352	49077679	+	0	NA	intron (	AluSx|SI	29703	NM_00131	1434	Hs.90073	NM_00131	ENSG0000	CSE1L	CAS|CSE1|	chromoso	protein-coding
chr21-25	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr21	25982295	25982637	+	0	NA	exon (NM_	exon (NM_	157924	NM_00113	351	Hs.43498	NM_000484	ENSG0000	APP	AAA|ABET	amyloid	protein-coding
chr22-451	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr22	45173947	45174574	+	0	NA	intron (	AluJb|SI	9589	NM_15364	10762	Hs.47510	NM_00717	ENSG0000	NUP50	NPAP60|N	nucleopo	protein-coding
chr3-112	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr3	1.13E+08	1.13E+08	+	0	NA	intron (	intron (	9732	NM_01417	29083	Hs.12749	NM_01417	ENSG0000	GTPBP8	HSPC135	GTP bindi	protein-coding
chr3-1227	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	38941	NM_017554	54625	Hs.51820	NM_017554	ENSG0000	PARP14	ARTD8|BA	poly(ADP-	protein-coding
chr4-676	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr4	67691476	67693044	+	0	NA	intron (	Tigger2|	8895	NM_018227	55236	Hs.212774	NM_018227	ENSG0000	UBA6	E1-L2|MO	ubiquiti	protein-coding
chr4-139	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	intron (	intron (	10550	NM_00130	80854	Hs.480792	NM_03064	ENSG0000	SETD7	KMT7|SET7	SET domai	protein-coding
chr5-1284	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (	L2b|LINE|	113846	NM_00199	2201	Hs.519294	NM_00199	ENSG0000	FBN2	CCA|DA9|	fibrilli	protein-coding
chr5-134	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (	intron (	25648	NM_00103	51128	Hs.432984	NM_01610	ENSG0000	SAR1B	ANDD|CMR	secretio	protein-coding
chr5-179	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (	Tigger17	3845	NM_19886	23061	Hs.15582	NM_01504	ENSG0000	TBC1D9B	GRAMD9B	TBC1 dom	protein-coding
chr6-834	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr6	83423535	83425628	+	0	NA	intron (	MER99|DN	6470	NM_00239	4199	Hs.21160	NM_00239	ENSG0000	ME1	HUMNDME|	malic en	protein-coding
chr8-428	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr8	42860588	42861691	+	0	NA	intron (	intron (	-17808	NM_19900	55145	Hs.7432	NM_01810	ENSG0000	THAP1	DYT6	THAP dom	protein-coding
chr9-332	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr9	33293807	33300920	+	0	NA	intron (	intron (	6847	NM_147134	4799	Hs.413074	NM_002504	ENSG0000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-361	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr9	36197490	36198665	+	0	NA	intron (	AluSz|SI	7156	NM_001184	1211	Hs.522114	NM_00183	ENSG0000	CLTA	LCA	clathrin	protein-coding
chr9-965	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr9	96508196	96509341	+	0	NA	intron (	intron (	58063	NM_001351	8555	Hs.40582	NM_003671	ENSG0000	CDC14B	CDC14B3|	cell divi	protein-coding
chr9-128	7.65791	-0.04549	0.834025	-0.05455	0.956501	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	3’ UTR (	3’ UTR (	-3576	NM_00110	254295	Hs.709447	NM_17493	ENSG0000	PHYHD1	-	phytanoyl	protein-coding
chr5-142	6.238409	-0.05085	0.932805	-0.05451	0.956525	0.981636	chr5	1.42E+08	1.42E+08	+	0	NA	TTS (NM_	TTS (NM_	8289	NR_131221	1.01E+08	Hs.68454	NR_131221		SPRY4-IT1	SPRIGHTL	SPRY4 int	ncRNA
chr7-7551	6.238409	-0.05085	0.932805	-0.05451	0.956525	0.981636	chr7	75518477	75518940	+	0	NA	intron (	AluSx|SI	9415	NR_02805	5387	Hs.659871	NM_00539	ENSG0000	PMS2P3	PMS2L3|P	PMS1 hom	pseudo
chr10-974	8.590531	-0.04371	0.802178	-0.05449	0.956541	0.981636	chr10	97480566	97481033	+	0	NA	intron (	intron (	17623	NM_02236	64210	Hs.500721	NM_02236	ENSG0000	MMS19	CIAO4|ME	MMS19 ho	protein-coding
chr22-461	8.590531	-0.04371	0.802178	-0.05449	0.956541	0.981636	chr22	46109634	46110222	+	0	NA	non-codi	non-codi	-2821	NR_02947	406883		NR_02947	ENSG0000	MIRLET7A	LET7A3|M	microRNA	ncRNA
chr3-6391	8.590531	-0.04371	0.802178	-0.05449	0.956541	0.981636	chr3	63916860	63917863	+	0	NA	intron (	intron (	-5589	NR_14835	1.01E+08		NR_14835	ENSG0000	SCAANT1	ATXN7-AS1	SCA7/ATX	ncRNA
chr11-11	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	intron (	MSTB|LTR|	4519	NM_001931	1737	Hs.335551	NM_001931	ENSG0000	DLAT	DLTA|E2|	dihydroli	protein-coding
chr12-80	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr12	8039782	8040645	+	0	NA	intron (	intron (	7497	NM_01841	55810	Hs.12084	NM_01841	ENSG0000	FOXJ2	FHX	forkhead	protein-coding
chr12-571	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr12	57105283	57107719	+	0	NA	intron (	intron (	3788	NM_00117	6778	Hs.52451	NM_00315	ENSG0000	STAT6	D12S1644|	signal t	protein-coding
chr14-73	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr14	73275129	73281296	+	0	NA	intron (	intron (	-32211	NR_13524	1.02E+08	Hs.66059	NR_135248		LOC10192	-	uncharact	ncRNA
chr14-10	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	67950	NM_00134	122416	Hs.43294	NM_15232	ENSG0000	ANKRD9	-	ankyrin	protein-coding
chr16-11	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr16	11695556	11698337	+	0	NA	intron (	intron (	28491	NM_00349	8303	Hs.61852	NM_00349	ENSG0000	SNN	-	stannin	protein-coding
chr16-57	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr16	57205269	57206827	+	0	NA	TTS (NM_	TTS (NM_	19719	NM_00130	89970	Hs.46088	NM_13336	ENSG0000	RSPRY1	SEMDFA	ring fin	protein-coding
chr17-18	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr17	18807703	18808038	+	0	NA	Intergeni	MLT1J|LT	18835	NM_00131	51030	Hs.87295	NM_01607	ENSG0000	TVP23B	CGI-148|	trans-gol	protein-coding
chr18-23	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr18	23207695	23211069	+	0	NA	intron (	MLT1C|LT	53557	NM_13837	91768	Hs.11108	NM_13837	ENSG0000	CABLES1	CABL1|CA	Cdk5 and	protein-coding
chr19-411	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr19	4115084	4117990	+	0	NA	intron (	Tigger3c|	7592	NM_03066	5605	Hs.465627	NM_03066	ENSG0000	MAP2K2	CFC4|MAP	mitogen-	protein-coding
chr19-44	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr19	4488047	4492269	+	0	NA	intron (	AluSg|SI	16204	NM_00134	84717	Hs.43071	NM_032631	ENSG0000	HDGFL2	HDGF-2|H	HDGF lik	protein-coding
chr19-45	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr19	45517665	45522291	+	0	NA	intron (	AluSx|SI	12499	NM_00337	7408	Hs.51546	NM_00337	ENSG0000	VASP	-	vasodilat	protein-coding
chr2-6654	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr2	66547499	66549860	+	0	NA	intron (	intron (	-25351	NR_11015	1.01E+08	Hs.66794	NR_11015	ENSG0000	LINC0179	-	long int	ncRNA
chr2-1281	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr2	1.28E+08	1.28E+08	+	0	NA	intron (	intron (	31553	NR_027671	56886	Hs.74330	NM_02012	ENSG0000	UGGT1	HUGT1|UG	UDP-gluc	protein-coding
chr20-24	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr20	2487770	2488595	+	0	NA	intron (	L1MC4a|LI	-17393	NM_19821	6628	Hs.83753	NM_003091	ENSG0000	SNRPB	CCMS|COD|	small nu	protein-coding
chr20-31	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr20	3121980	3122636	+	0	NA	exon (NM_	exon (NM_	15397	NR_03839	1E+08	Hs.12944	NR_03839	ENSG0000	UBOX5-AS1	-	UBOX5 ant	ncRNA
chr20-31	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr20	31947248	31949515	+	0	NA	intron (	MLT1J|LT	3665	NM_03081	81572	Hs.43575	NM_03081	ENSG0000	PDRG1	C20orf12	p53 and	protein-coding
chr20-414	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr20	41490537	41491827	+	0	NA	intron (	Tigger3|	-124364	NM_05284	90187	Hs.72652	NM_05284	ENSG0000	EMILIN3	C20orf13	elastin	protein-coding
chr20-58	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr20	58669839	58673915	+	0	NA	intron (	Tigger4a|	-17254	NM_001204	79716	Hs.65486	NM_02466	ENSG0000	NPEPL1	bA261P9.	aminopept	protein-coding
chr22-181	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr22	18166349	18170296	+	0	NA	intron (	MSTC|LTR|	18152	NM_017414	11274	Hs.38260	NM_017414	ENSG0000	USP18	ISG43|PT	ubiquiti	protein-coding
chr4-761	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr4	76191393	76194144	+	0	NA	intron (	AluJo|SI	21056	NM_001204	950	Hs.34965	NM_00550	ENSG0000	SCARB2	AMRF|CD3	scavenger	protein-coding
chr7-116	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr7	1.17E+08	1.17E+08	+	0	NA	intron (	AluJb|SI	-38903	NM_00136	7982	Hs.368131	NM_01841	ENSG0000	ST7	ETS7q|FA	suppressi	protein-coding
chr8-225	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr8	22568595	22570144	+	0	NA	intron (	AluSc|SI	3640	NM_00101	10174	Hs.52857	NM_00577	ENSG0000	SORBS3	SCAM-1|S	sorbin a	protein-coding
chr8-429	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr8	42936120	42940691	+	0	NA	intron (	L1PA7|LI	41427	NM_03241	84376	Hs.16285	NM_03241	ENSG0000	HOOK3	HK3	hook mic	protein-coding
chr9-964	8.425348	0.043609	0.801204	0.054429	0.956593	0.981636	chr9	96484726	96485748	+	0	NA	intron (	AluSp|SI	35068	NM_01428	22927	Hs.494567	NM_01428	ENSG0000	HABP4	IHABP-4|	hyaluron	protein-coding
chr1-320	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr1	32082195	32082908	+	0	NA	intron (	AluSz|SI	-4398	NR_04985	1.01E+08		NR_04985	ENSG0000	MIR5585	-	microRNA	ncRNA
chr1-670	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr1	67006992	67008406	+	0	NA	intron (	intron (	46449	NM_01513	23169	Hs.21364	NM_01513	ENSG0000	SLC35D1	SHNKND|U	solute c	protein-coding
chr1-108	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (	L1PA4|LI	30580	NM_00110	113802	Hs.7962	NM_144584	ENSG0000	HENMT1	C1orf59|	HEN meth	protein-coding
chr11-65	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr11	65266729	65269762	+	0	NA	intron (	AluSz|SI	6283	NM_00268	23649	Hs.201897	NM_00268	ENSG0000	POLA2	-	DNA poly	protein-coding
chr12-26	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr12	26900006	26900708	+	0	NA	Intergeni	L1PA7|LI	37624	NM_018164	55726	Hs.505077	NM_018164	ENSG0000	INTS13	ASUN|C12	integrat	protein-coding
chr12-11	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (	intron (	22533	NM_001347	28981	Hs.52838	NM_01405	ENSG0000	IFT81	CDV-1|CD	intrafla	protein-coding
chr12-121	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (	L4_A_Mam|	9480	NM_00128	64897	Hs.528671	NM_02289	ENSG0000	C12orf43	Custos	chromoso	protein-coding
chr13-77	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr13	77077299	77078428	+	0	NA	intron (	intron (	2349	NR_04671	1.01E+08	Hs.56928	NR_04671	ENSG0000	MYCBP2-A	-	MYCBP2 a	ncRNA
chr14-594	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr14	59496587	59499184	+	0	NA	intron (	intron (	13368	NM_01647	51528	Hs.44685	NM_01647	ENSG0000	JKAMP	C14orf10	JNK1/MAP	protein-coding
chr14-10	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (	intron (	12706	NR_003531	55384	Hs.65486	NR_00276	ENSG0000	MEG3	FP504|GT	maternal	ncRNA
chr16-69	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr16	69888618	69889785	+	0	NA	intron (	AluJr|SI	-35838	NM_199424	11060	Hs.40845	NM_007014	ENSG0000	WWP2	AIP2|WWp	WW domai	protein-coding
chr16-74	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr16	74624046	74626017	+	0	NA	intron (	intron (	-17917	NR_02726	2734	Hs.109731	NM_012201	ENSG0000	GLG1	CFR-1|ES	golgi gl	protein-coding
chr17-847	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr17	8471521	8472486	+	0	NA	Intergeni	Intergeni	36119	NM_03080	81565	Hs.37212	NM_03080	ENSG0000	NDEL1	EOPA|MIT	nudE neu	protein-coding
chr17-451	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr17	45107229	45108320	+	0	NA	3’ UTR (	3’ UTR (	6659	NR_10684	1.02E+08		NR_10684	ENSG0000	MIR6784	hsa-mir-	microRNA	ncRNA
chr17-45	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr17	45548580	45549426	+	0	NA	Intergeni	Intergeni	-28480	NR_00294	55073	Hs.59675	NM_018001		LRRC37A4	LRRC37|L	leucine	pseudo
chr17-61	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr17	61972631	61973658	+	0	NA	intron (	(ATTA)n|	-45162	NM_00133	57508	Hs.27964	NM_02074	ENSG0000	INTS2	INT2|KIA	integrat	protein-coding
chr19-46	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr19	46993144	46993999	+	0	NA	intron (	intron (	-26266	NM_002517	4861	Hs.79564	NM_002517	ENSG0000	NPAS1	MOP5|PAS	neuronal	protein-coding
chr2-162	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (	LTR8B|LT	17371	NM_00193	1803	Hs.36891	NM_00193	ENSG0000	DPP4	ADABP|AD	dipeptid	protein-coding
chr20-28	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr20	2865745	2866836	+	0	NA	exon (NM_	exon (NM_	2095	NM_00283	5786	Hs.269577	NM_00283	ENSG0000	PTPRA	HEPTP|HL	protein t	protein-coding
chr20-32	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr20	32371686	32375115	+	0	NA	TTS (NM_	TTS (NM_	14335	NM_00136	171023	Hs.37404	NM_01533	ENSG0000	ASXL1	BOPS|MDS	ASXL tra	protein-coding
chr20-36	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr20	36682054	36682637	+	0	NA	intron (	intron (	-36149	NM_032214	84174	Hs.71357	NM_032214	ENSG0000	SLA2	C20orf15	Src like	protein-coding
chr3-117	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr3	11787218	11788340	+	0	NA	Intergeni	MIRb|SIN	59106	NM_001321	132001	Hs.47547	NM_138807	ENSG0000	TAMM41	C3orf31|	TAM41 mit	protein-coding
chr3-490	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr3	49091019	49091845	+	0	NA	intron (	intron (	2200	NM_00132	54870	Hs.29738	NM_01773	ENSG0000	QRICH1	AB-DIP|V	glutamin	protein-coding
chr3-184	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr3	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	18762	NM_00444	2049	Hs.2913	NM_00444	ENSG0000	EPHB3	EK2|ETK2|	EPH rece	protein-coding
chr3-191	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr3	1.91E+08	1.91E+08	+	0	NA	intron (	MIRb|SIN	-32999	NM_19815	257313	Hs.51849	NM_19815	ENSG0000	UTS2B	U2B|URP|	urotensi	protein-coding
chr4-245	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr4	24569803	24571534	+	0	NA	exon (NM_	exon (NM_	13886	NM_00135	1665	Hs.696074	NM_00135	ENSG0000	DHX15	DBP1|DDX1	DEAH-box	protein-coding
chr5-754	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr5	75490476	75492405	+	0	NA	intron (	L1MC4|LI	20189	NM_031361	10087	Hs.270437	NM_00571	ENSG0000	CERT1	CERT|CER	ceramide	protein-coding
chr7-264	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr7	2649527	2650630	+	0	NA	intron (	intron (	18092	NM_02525	80727	Hs.44089	NM_02525	ENSG0000	TTYH3	-	tweety f	protein-coding
chr7-480	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr7	48098630	48099628	+	0	NA	intron (	L1MD|LIN	9864	NM_003364	7378	Hs.48824	NM_003364	ENSG0000	UPP1	UDRPASE|	uridine	protein-coding
chr8-1801	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr8	18019479	18019844	+	0	NA	intron (	MER1A|DN	63535	NM_00136	427	Hs.52741	NM_00431	ENSG0000	ASAH1	AC|ACDas	N-acylsp	protein-coding
chr8-478	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr8	47833926	47835216	+	0	NA	intron (	intron (	-96407	NM_00519	1052	Hs.44082	NM_00519	ENSG0000	CEBPD	C/EBP-del	CCAAT en	protein-coding
chr9-132	5.9401	0.051119	0.940029	0.05438	0.956632	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (	AluY|SIN	29521	NM_001351	23064	Hs.460317	NM_01504	ENSG0000	SETX	ALS4|AOA	senataxi	protein-coding
chr18-58	6.890286	0.048563	0.895334	0.054241	0.956743	0.981636	chr18	58682148	58682835	+	0	NA	intron (	MLT1K|LT	-10618	NM_00128	1.02E+08	Hs.64487	NM_001289967		LOC101927	-	uncharact	protein-coding
chr3-1291	6.890286	0.048563	0.895334	0.054241	0.956743	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (	AluJo|SI	18398	NM_020701	57461	Hs.512661	NM_020701	ENSG0000	ISY1	FSAP33	ISY1 spli	protein-coding
chr1-161	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr1	16135439	16138165	+	0	NA	intron (	AluSp|SI	19267	NM_00132	1969	Hs.17159	NM_004431	ENSG0000	EPHA2	ARCC2|CT	EPH rece	protein-coding
chr1-268	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr1	26853561	26853973	+	0	NA	exon (NM_	exon (NM_	-9382	NM_00614	2810	Hs.52371	NM_00614	ENSG0000	SFN	YWHAS	stratifi	protein-coding
chr1-243	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (	intron (	31619	NM_01481	9859	Hs.53363	NM_01481	ENSG0000	CEP170	FAM68A|K	centroso	protein-coding
chr10-30	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr10	30023862	30031162	+	0	NA	exon (NM_	exon (NM_	32074	NM_00135	57608	Hs.53395	NM_02084	ENSG0000	JCAD	KIAA1462	junction	protein-coding
chr10-10	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (	AluJb|SI	54543	NM_001351	22978	Hs.97439	NM_01222	ENSG0000	NT5C2	GMP|NT5B|	5’-nucle	protein-coding
chr10-11	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (	intron (	49793	NR_03982	1.01E+08		NR_03982	ENSG0000	MIR4681	-	microRNA	ncRNA

chr12-108	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	20392	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr12-111	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	20630	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr15-230	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr15	23029382	23032478	+	0	NA	exon (NM_	exon (NM_	8639	NM_001354	114791	Hs.533898	NM_052903	ENSG00000	TUBGCP5	GCP5	tubulin g	protein-coding
chr16-679	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr16	67941236	67964038	+	0	NA	intron (N	AluSz|SIN	-8517	NM_000229	3931	Hs.387239	NM_000229	ENSG00000	LCAT	-	lecithin-	protein-coding
chr17-821	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr17	821812	825740	+	0	NA	intron (N	intron (N	40335	NM_001205	64359	Hs.527989	NM_022463	ENSG00000	NXN	NRX|TRG-4	nucleorec	protein-coding
chr17-671	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr17	67128084	67128688	+	0	NA	intron (N	intron (N	83832	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr19-123	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr19	1233370	1235915	+	0	NA	exon (NM_	exon (NM_	3363	NM_152769	255057	Hs.346575	NM_152769	ENSG00000	CBARP	BARP|C19c	CACN subu	protein-coding
chr19-144	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr19	14407025	14411239	+	0	NA	TTS (NM_0	TTS (NM_0	10209	NM_005804	10212	Hs.311609	NM_005804	ENSG00000	DDX39A	BAT1|BAT1	DExD-box	protein-coding
chr19-413	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr19	41340823	41341657	+	0	NA	intron (N	AluSc8|SI	12682	NM_000660	7040	Hs.645227	NM_000660	ENSG00000	TGFB1	CED|DPD1|	transform	protein-coding
chr19-583	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr19	58392858	58394915	+	0	NA	TTS (NR_1	TTS (NR_1	522	NR_162103	1.13E+08		NR_162103		MIR10394	-	microRNA	ncRNA
chr2-2061	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	3' UTR (N	3' UTR (N	-4688	NR_033248	1E+08	Hs.356055	NR_033248		GCSHP3	-	glycine c	pseudo
chr20-594	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr20	5942416	5944567	+	0	NA	intron (N	intron (N	7042	NM_015939	51605	Hs.128791	NM_015939	ENSG00000	TRMT6	CGI-09|GC	tRNA meth	protein-coding
chr20-940	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr20	9401366	9404311	+	0	NA	intron (N	L2b|LINE|	95038	NM_000933	5332	Hs.472101	NM_000933	ENSG00000	PLCB4	ARCND2|PI	phospholi	protein-coding
chr20-472	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr20	47248021	47249046	+	0	NA	intron (N	intron (N	-69969	NR_024594	1E+08	Hs.662547	NR_024594	ENSG00000	LOC100131	-	uncharact	ncRNA
chr22-310	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr22	31090260	31100836	+	0	NA	exon (NM_	exon (NM_	10552	NM_001207	6525	Hs.149098	NM_006932	ENSG00000	SMTN	-	smootheli	protein-coding
chr3-1001	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr3	10019047	10022717	+	0	NA	intron (N	L1MB4|LIN	5254	NR_002786	152302	Hs.635072	NR_002786	ENSG00000	CIDECP1	CICE|CIDE	cell deat	pseudo
chr3-2562	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr3	25622939	25625295	+	0	NA	intron (N	intron (N	40255	NM_001068	7155	Hs.475733	NM_001068	ENSG00000	TOP2B	TOPIIB|tc	DNA topoi	protein-coding
chr3-3825	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr3	38250348	38253831	+	0	NA	intron (N	intron (N	-13723	NM_004256	9390	Hs.225941	NM_004256	ENSG00000	SLC22A13	OAT10|OCT	solute ca	protein-coding
chr5-1265	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr5	1.27E+08	1.27E+08	+	0	NA	intron (N	U6|snRNA|	41828	NM_001201	501	Hs.483239	NM_001182	ENSG00000	ALDH7A1	ATQ1|EPD|	aldehyde	protein-coding
chr6-3319	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr6	33194791	33197390	+	0	NA	intron (N	intron (N	-3622	NM_080680	1302	Hs.390171	NM_080679	ENSG00000	COL11A2	DFNA13|DF	collagen	protein-coding
chr8-1184	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr8	11842647	11847177	+	0	NA	3' UTR (N	3' UTR (N	23175	NM_001908	1508	Hs.520898	NM_001908	ENSG00000	CTSB	APPS|CPSE	cathepsin	protein-coding
chr8-3884	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr8	38840318	38845941	+	0	NA	intron (N	intron (N	37679	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr9-8630	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr9	86300437	86304681	+	0	NA	intron (N	AluSz|SIN	-20021	NM_030940	81689	Hs.449291	NM_030940	ENSG00000	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr9-1243	8.904371	0.042191	0.778981	0.054162	0.956806	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	22937	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr10-702	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr10	70212051	70213609	+	0	NA	intron (N	intron (N	20599	NM_021129	5464	Hs.437403	NM_021129	ENSG00000	PPA1	HEL-S-66p	pyrophosp	protein-coding
chr11-355	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr11	35513648	35513869	+	0	NA	intron (N	MER5B|DNA	11858	NM_001001	25891	Hs.55044	NM_015430	ENSG00000	PAMR1	DKFZP586H	peptidase	protein-coding
chr13-113	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-24497	NM_001278	8451	Hs.339735	NM_003589	ENSG00000	CUL4A	-	cullin 4A	protein-coding
chr15-296	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr15	29699526	29701784	+	0	NA	3' UTR (N	3' UTR (N	25720	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr15-749	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr15	74921942	74923328	+	0	NA	intron (N	AluJo|SIN	15438	NM_004255	9377	Hs.401903	NM_004255	ENSG00000	COX5A	COX|COX-V	cytochrom	protein-coding
chr2-2328	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	non-codin	non-codin	-10464	NM_001346	389084	Hs.657509	NM_206895	ENSG00000	SNORC	ASCL830|C	secondary	protein-coding
chr22-416	8.376351	0.043377	0.803633	0.053976	0.956954	0.981636	chr22	41646347	41647927	+	0	NA	intron (N	AluJo|SIN	25842	NM_001288	2547	Hs.292493	NM_001469	ENSG00000	XRCC6	CTC75|CTC	X-ray rep	protein-coding
chr21-465	11.38962	0.038241	0.710184	0.053846	0.957058	0.981636	chr21	46534619	46535033	+	0	NA	intron (N	intron (N	70256	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr10-792	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr10	79215359	79219181	+	0	NA	intron (N	AluY|SINE	-130199	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr12-297	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr12	29761753	29762007	+	0	NA	intron (N	intron (N	22062	NM_001367	83857	Hs.401954	NM_031920	ENSG00000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr16-218	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr16	21861891	21863276	+	0	NA	Intergeni	AluJo|SIN	4152	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr2-8504	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr2	85044152	85047885	+	0	NA	intron (N	intron (N	21329	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr3-4334	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr3	43347471	43349218	+	0	NA	exon (NM_	exon (NM_	3618	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr6-5309	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr6	53091932	53098956	+	0	NA	intron (N	intron (N	24471	NM_012347	26268	Hs.216653	NM_012347	ENSG00000	FBXO9	FBX9|NY-R	F-box pro	protein-coding
chr7-7542	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr7	75420487	75426233	+	0	NA	intron (N	intron (N	13038	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WE	NSUN5 pse	pseudo
chr9-1090	9.383393	0.040907	0.76005	0.053822	0.957077	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSz|SIN	-3348	NR_029506	407036		NR_029506	ENSG00000	MIR32	MIRN32|hs	microRNA	ncRNA
chr2-1613	4.461893	0.058388	1.085223	0.053803	0.957092	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSx1|SI	-22038	NM_006593	10716	Hs.210862	NM_006593	ENSG00000	TBR1	IDDAS|TBR	T-box bra	protein-coding
chr7-1001	4.461893	0.058388	1.085223	0.053803	0.957092	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluY|SINE	2470	NR_134529	389541	Hs.406520	NM_001008	ENSG00000	LAMTOR4	C7orf59	late endo	protein-coding
chr15-727	6.468119	0.048923	0.909537	0.053789	0.957103	0.981636	chr15	72738396	72739985	+	0	NA	TTS (NM_0	TTS (NM_0	-43645	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr16-727	6.468119	0.048923	0.909537	0.053789	0.957103	0.981636	chr16	72793421	72793989	+	0	NA	exon (NM_	exon (NM_	-128735	NR_126330	1.02E+08	Hs.637253	NR_126330	ENSG00000	LINC01572	-	long inte	ncRNA
chr9-2647	6.468119	0.048923	0.909537	0.053789	0.957103	0.981636	chr9	2647738	2648931	+	0	NA	exon (NM_	exon (NM_	-25961	NR_015375	401491	Hs.416043	NR_015375	ENSG00000	VLDLR-AS1	linc-VLDL	VLDLR ant	ncRNA
chr20-516	9.326537	0.04207	0.78281	0.053742	0.957141	0.981636	chr20	51618683	51618882	+	0	NA	exon (NM_	exon (NM_	-55943	NM_001136	4773	Hs.744148	NM_012340	ENSG00000	NFATC2	NFAT1|NFA	nuclear f	protein-coding
chr11-984	6.725289	-0.048	0.893609	-0.05372	0.95716	0.981636	chr11	984425	985030	+	0	NA	exon (NM_	exon (NM_	51991	NM_005961	4588	Hs.528432	NM_005961	ENSG00000	MUC6	MUC-6	mucin 6,	protein-coding
chr3-1828	6.725289	-0.048	0.893609	-0.05372	0.95716	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	(TTG)n|Si	81940	NM_014616	23200	Hs.478429	NM_014616	ENSG00000	ATP11B	ATPIF|ATF	ATPase ph	protein-coding
chr1-7977	9.126408	-0.04155	0.775475	-0.05358	0.957268	0.981636	chr1	7977719	7978760	+	0	NA	intron (N	AluSg|SIN	16528	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding
chr7-1073	9.126408	-0.04155	0.775475	-0.05358	0.957268	0.981636	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	-108135	NM_005295	2845	Hs.657277	NM_005295	ENSG00000	GPR22	-	G protein	protein-coding
chr1-3630	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	36300690	36305072	+	0	NA	intron (N	intron (N	-3487	NM_001162	79729	Hs.524496	NM_024676	ENSG00000	SH3D21	C1orf113	SH3 domai	protein-coding
chr1-4670	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	46705376	46707392	+	0	NA	intron (N	intron (N	12730	NM_014774	9813	Hs.707688	NM_014774	ENSG00000	EFCAB14	KIAA0494	EF-hand c	protein-coding
chr1-6672	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	66723135	66723637	+	0	NA	intron (N	intron (N	-29073	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 dc	protein-coding
chr1-1506	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	3' UTR (N	3' UTR (N	-18386	NM_207043	2029	Hs.632456	NM_004436	ENSG00000	ENSA	ARPP-19e	endosulfi	protein-coding
chr1-1725	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	46209	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr1-2117	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	AluSc|SIN	-36869	NR_135818	1.03E+08	Hs.147656	NR_135818	ENSG00000	LPGAT1-AS	-	LPGAT1 an	ncRNA
chr11-183	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr11	18357911	18361293	+	0	NA	intron (N	intron (N	-28185	NR_036116	1E+08		NR_036116	ENSG00000	MIR3159	-	microRNA	ncRNA
chr11-467	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr11	46774800	46782195	+	0	NA	exon (NM_	exon (NM_	-15998	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr11-696	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr11	69670690	69672954	+	0	NA	intron (N	intron (N	3531	NM_153451	220064	Hs.667996	NM_153451	ENSG00000	LTO1	CIAB1|ORA	LTO1 matu	protein-coding
chr12-655	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr12	6556550	6566401	+	0	NA	intron (N	MIR|SINE|	-5392	NM_001193	25900	Hs.15243	NM_015438	ENSG00000	IFFO1	HOM-TES-1	intermedi	protein-coding
chr12-711	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr12	7115646	7115845	+	0	NA	non-codin	non-codin	-6531	NM_016546	51279	Hs.631730	NM_016546	ENSG00000	C1RL	C1RL1|C1R	complemen	protein-coding
chr12-577	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr12	57702652	57704477	+	0	NA	intron (N	L1MB4|LIN	9432	NM_006812	10956	Hs.527861	NM_006812	ENSG00000	OS9	ERLEC2|OS	OS9 endop	protein-coding
chr12-673	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr12	67307025	67309754	+	0	NA	intron (N	intron (N	39031	NM_001329	55832	Hs.546407	NM_018448	ENSG00000	CAND1	TIP120|TI	cullin as	protein-coding
chr12-111	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx1|SI	76539	NM_002973	6311	Hs.76253	NM_002973	ENSG00000	ATXN2	ATX2|SCA2	ataxin 2	protein-coding
chr13-497	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr13	49744287	49747063	+	0	NA	intron (N	intron (N	47007	NM_002267	3839	Hs.527919	NM_002267	ENSG00000	KPNA3	IPOA4|SRP	karyopher	protein-coding
chr14-594	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr14	59455559	59457372	+	0	NA	Intergeni	Intergeni	8915	NM_022571	64582	Hs.647573	NM_022571	ENSG00000	GPR135	HUMNPIIY2	G protein	protein-coding
chr14-103	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	7338	NM_004894	9556	Hs.109052	NM_004894	ENSG00000	ATP5MPL	6.8PL|C14	ATP synth	protein-coding
chr17-171	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr17	17146938	17148808	+	0	NA	intron (N	intron (N	58460	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr17-357	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr17	35709529	35712656	+	0	NA	intron (N	intron (N	-20547	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr17-633	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr17	63396102	63397091	+	0	NA	intron (N	MER63D|DN	43671	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr17-645	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr17	64528283	64531460	+	0	NA	intron (N	intron (N	22894	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr18-486	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr18	48669547	48672300	+	0	NA	TTS (NR_0	TTS (NR_0	323	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr19-346	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr19	3460154	3460675	+	0	NA	intron (N	MIRc|SINE	20111	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr2-3254	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	32545643	32548407	+	0	NA	intron (N	intron (N	14872	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-6647	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	66477350	66479973	+	0	NA	intron (N	intron (N	-38331	NR_046625	1.01E+08	Hs.734698	NR_046625	ENSG00000	MEIS1-AS2	MEIS1-AS1	MEIS1 ant	ncRNA
chr2-7134	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	71348570	71349865	+	0	NA	exon (NM_	exon (NM_	17435	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr2-1118	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSp|SIN	4346	NM_022662	64682	Hs.436527	NM_022662	ENSG00000	ANAPC1	APC1|MCPR	anaphase	protein-coding
chr2-1866	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	FLAM_C|SI	-36859	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr2-2034	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	82300	NM_001282	10152	Hs.471156	NM_005759	ENSG00000	ABI2	ABI-2|ABI	abl inter	protein-coding
chr2-2375	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	non-codin	non-codin	-11929	NM_015893	51052	Hs.247710	NM_015893	ENSG00000	PRLH	PRH|PRRP	prolactin	protein-coding
chr20-344	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr20	34413627	34416317	+	0	NA	intron (N	intron (N	-51353	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-490	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr20	49078711	49083034	+	0	NA	intron (N	AluJo|SIN	34560	NM_001316	1434	Hs.90073	NM_001316	ENSG00000	CSE1L	CAS|CSE1|	chromosom	protein-coding
chr21-327	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr21	32758691	32765282	+	0	NA	intron (N	AluJr|SIN	9769	NM_013329	94104	Hs.644004	NM_013329	ENSG00000	PAXBP1	BM020|C21	PAX3 and	protein-coding
chr3-9971	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	9971735	9975604	+	0	NA	exon (NM_	exon (NM_	-13224	NR_103821	442075	Hs.690469	NM_001013730		EMC3-AS1	-	EMC3 anti	ncRNA
chr3-2739	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	27399731	27400684	+	0	NA	intron (N	L2b|LINE|	-30747	NM_152534	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-5325	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	53253336	53253653	+	0	NA	intron (N	AluSx1|SI	2528	NM_001064	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketo	protein-coding
chr3-1007	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	MER5A|DNA	19534	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr3-1205	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.21E+08	1.21E+08	+	0	NA	intron (N	L2a|LINE|	2655	NM_001168	4710	Hs.304613	NM_004547	ENSG00000	NDUFB4	B15|CI-B1	NADH:ubiq	protein-coding
chr3-1237	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	89382	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1699	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	21153	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr3-1790	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	46543	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr3-1809	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	MIRb|SINE	37745	NM_001190	131118	Hs.230601	NM_145261	ENSG00000	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr4-5133	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr4	513317	514194	+	0	NA	intron (N	intron (N	14545	NM_001127	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr4-3116	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr4	3116102	3118146	+	0	NA	intron (N	intron (N	42443	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|I	huntingti	protein-coding
chr5-3702	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr5	37027628	37029014	+	0	NA	intron (N	L1MC5a|LI	151552	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-1330	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluY|SINE	38214	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEL	heat shoc	protein-coding
chr6-2642	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr6	26428816	26429722	+	0	NA	intron (N	intron (N	7878	NR_027795	54718	Hs.729655	NM_024018	ENSG00000	BTN2A3P	BTN2.3|BT	butyrophi	pseudo
chr7-6576	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr7	65762903	65764785	+	0	NA	TTS (NR_0	TTS (NR_0	3792	NR_145713	1.1E+08		NR_145713	ENSG00000	SNORA15B-	SNORA15C	small nuc	snoRNA
chr7-1285	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	Intergeni	63925	NM_018396	55798	Hs.433213	NM_018396	ENSG00000	METTL2B	METL|METT	methyltra	protein-coding
chr8-6163	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr8	61634909	61638541	+	0	NA	intron (N	intron (N	53086	NM_001164	444	Hs.332422	NM_004318	ENSG00000	ASPH	AAH|BAH|C	aspartate	protein-coding
chr8-9483	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr8	94838287	94842016	+	0	NA	intron (N	intron (N	16861	NR_073444	55656	Hs.727669	NM_017864	ENSG00000	INTS8	C8orf52|I	integrato	protein-coding
chr8-1407	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-2357	NR_029892	442893		NR_029892	ENSG00000	MIR151A	MIR151|MI	microRNA	ncRNA
chr9-8630	8.14479	-0.04339	0.809941	-0.05357	0.957279	0.981636	chr9	86305887	86307884	+	0	NA	intron (N	intron (N	-24347	NM_030940	81689	Hs.449291	NM_030940	ENSG00000	ISCA1	HBLD2|ISA	iron-sulf	protein-coding
chr14-885	7.706907	-0.04501	0.840686	-0.05354	0.957298	0.981636	chr14	88584443	88584898	+	0	NA	intron (N	Tigger2|D	-9750	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr1-1521	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr1	15215293	15216357	+	0	NA	intron (N	AluSz|SIN	-31400	NM_052929	114827	Hs.659997	NM_052929	ENSG00000	FHAD1	-	forkhead	protein-coding
chr10-215	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr10	21545452	21546905	+	0	NA	intron (N	AluSz6|SI	12006	NM_001195	8028	Hs.30385	NM_004641	ENSG00000	MLLT10	AF10	MLLT10 hi	protein-coding
chr10-683	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr10	68360864	68362647	+	0	NA	intron (N	intron (N	-28827	NM_022129	64081	Hs.198158	NM_022129	ENSG00000	PBLD	HEL-S-306	phenazine	protein-coding
chr10-956	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr10	95605893	95606732	+	0	NA	3' UTR (N	3' UTR (N	-44941	NM_001290	10580	Hs.38621	NM_006434	ENSG00000	SORBS1	CAP|FLAF2	sorbin ar	protein-coding
chr10-103	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	64849	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr12-265	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr12	2655964	2656715	+	0	NA	intron (N	L1M2|LINE	15881	NR_046579	1.01E+08	Hs.667644	NR_046579	ENSG00000	CACNA1C-A	-	CACNA1C a	ncRNA
chr12-558	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr12	55839523	55840585	+	0	NA	intron (N	AluJb|SIN	2882	NR_073606	4327	Hs.591033	NM_002429	ENSG00000	MMP19	CODA|MMP1	matrix me	protein-coding
chr12-121	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	16329	NM_001330	51433	Hs.7101	NM_016237	ENSG00000	ANAPC5	APC5	anaphase	protein-coding
chr14-885	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr14	88581039	88582307	+	0	NA	intron (N	L1MC5|LIN	-12747	NM_207662	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr14-926	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr14	92688139	92689027	+	0	NA	3' UTR (N	3' UTR (N	60044	NM_001363	5641	Hs.18069	NM_005606	ENSG00000	LGMN	AEP|LGMN1	legumain	protein-coding
chr15-586	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr15	58636742	58638281	+	0	NA	intron (N	intron (N	56096	NR_073415	664618	Hs.670224	NR_002927		HSP90AB4P	HSP90Bd	heat shoc	pseudo
chr15-756	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr15	75675162	75676599	+	0	NA	exon (NM_	exon (NM_	26873	NM_001318	257364	Hs.8705	NM_153271	ENSG00000	SNX33	SH3PX3|SH	sorting n	protein-coding
chr17-506	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr17	50698586	50700414	+	0	NA	exon (NM_	exon (NM_	8414	NM_052855	91369	Hs.463426	NM_052855	ENSG00000	ANKRD40	-	ankyrin r	protein-coding
chr19-383	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr19	38383792	38384214	+	0	NA	TTS (NM_0	TTS (NM_0	4031	NM_152657	199720	Hs.447948	NM_152657	ENSG00000	GGN	-	gametogen	protein-coding
chr19-499	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr19	49913765	49915763	+	0	NA	intron (N	AluSx|SIN	-13938	NM_012068	22809	Hs.9754	NM_012068	ENSG00000	ATF5	ATFX|HMFN	activatin	protein-coding
chr2-3324	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr2	33244114	33245480	+	0	NA	intron (N	intron (N	110200	NM_001166	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr2-3336	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr2	33362435	33362950	+	0	NA	intron (N	MIRc|SINE	-55824	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1743	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	Tigger1|D	25942	NM_004882	9541	Hs.632531	NM_004882	ENSG00000	CIR1	CIR	corepress	protein-coding
chr3-1017	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-21786	NM_001348	91775	Hs.595933	NM_145037	ENSG00000	NXPE3	FAM55C|MS	neurexoph	protein-coding

chr5-6236	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr5	62363123	62367582	+	0	NA	exon (NM_	exon (NM_	38553	NM_001348	27292	Hs.731665	NM_014473	ENSG00000	DIMT1	DIM1|DIMT	DIMT1 rRN	protein-coding
chr5-1135	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr5	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	79848	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr6-1185	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr6	1.19E+08	1.19E+08	+	0	NA	intron (N	LTR10B2|L	30461	NM_002667	5350	Hs.170839	NM_002667	ENSG00000	PLN	CMD1P|CMH	phosphola	protein-coding
chr9-1936	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr9	19363076	19364591	+	0	NA	intron (N	AluSz|SIN	16403	NM_001010	6194	Hs.408073	NM_001010	ENSG00000	RPS6	S6	ribosomal	protein-coding
chr9-3404	6.419122	0.048637	0.908994	0.053507	0.957328	0.981636	chr9	34043994	34044982	+	0	NA	intron (N	AluSx4|SI	4399	NR_163243	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr1-3794	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr1	37942425	37944321	+	0	NA	intron (N	L2b|LINE|	-1109	NM_001350	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr10-499	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr10	49957475	49959868	+	0	NA	intron (N	L1MB2|LIN	4459	NR_145778	1.1E+08		NR_145778		SNORA74C-	-	small nuc	snoRNA
chr10-119	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-23818	NR_039830	1.01E+08		NR_039830	ENSG00000	MIR4682	-	microRNA	ncRNA
chr11-383	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr11	3830014	3831355	+	0	NA	intron (N	MIR|SINE|	10275	NM_001665	391	Hs.501728	NM_001665	ENSG00000	RHOG	ARHG	ras homol	protein-coding
chr12-171	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr12	17130	18101	+	0	NA	intron (N	intron (N	14400	NR_130745	1E+08	Hs.459573	NR_130745	ENSG00000	WASH8P	-	WAS prote	pseudo
chr12-509	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr12	50998419	50999774	+	0	NA	intron (N	intron (N	10119	NM_001174	4891	Hs.505545	NM_000617	ENSG00000	SLC11A2	AHMIO1|DC	solute ca	protein-coding
chr12-928	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr12	92854621	92856042	+	0	NA	intron (N	AluY|SINE	73964	NM_003566	8411	Hs.567367	NM_003566	ENSG00000	EEA1	MST105|MS	early enc	protein-coding
chr14-102	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	Intergeni	AluSx|SIN	16748	NM_032630	51550	Hs.129634	NM_032630	ENSG00000	CINP	-	cyclin de	protein-coding
chr16-873	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr16	87339283	87340013	+	0	NA	intron (N	intron (N	22139	NR_135180	1.02E+08	Hs.667450	NR_135180	ENSG00000	LOC101928	-	uncharact	ncRNA
chr17-312	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr17	31244902	31246509	+	0	NA	intron (N	MER21B|LT	51534	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodenc	protein-coding
chr17-365	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr17	36523406	36527576	+	0	NA	intron (N	intron (N	-9271	NM_001346	284098	Hs.378885	NM_178517	ENSG00000	PIGW	Gwt1|HPMR	phosphati	protein-coding
chr18-799	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr18	79931728	79935627	+	0	NA	intron (N	L1M4b|LIN	17976	NM_001146	80148	Hs.288284	NM_025078	ENSG00000	SLC66A2	PQLC1	solute ca	protein-coding
chr2-2414	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	12290	NM_001271	10494	Hs.516807	NM_006374	ENSG00000	STK25	SOK1|YSK1	serine/th	protein-coding
chr2-2417	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	11658	NM_001330	84289	Hs.529172	NM_032329	ENSG00000	ING5	p28ING5	inhibitor	protein-coding
chr3-1025	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr3	10252889	10253919	+	0	NA	intron (N	intron (N	4945	NM_014760	9797	Hs.475401	NM_014760	ENSG00000	TATDN2	-	TatD DNas	protein-coding
chr3-3706	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr3	37060163	37062137	+	0	NA	intron (N	MSTB|LTR|	67800	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-3852	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr3	38523472	38524159	+	0	NA	intron (N	intron (N	27475	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endon	protein-coding
chr3-1289	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	35732	NM_014049	28976	Hs.567482	NM_014049	ENSG00000	ACAD9	MC1DN20|N	acyl-CoA	protein-coding
chr3-1551	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr3	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-68210	NR_125399	1.02E+08	Hs.121410	NR_125399	ENSG00000	LINC01487	-	long inte	ncRNA
chr4-1691	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-121098	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr5-6593	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr5	65938775	65940848	+	0	NA	intron (N	SVA_D|Ret	5762	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homo	pseudo
chr7-4781	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr7	4781798	4783928	+	0	NA	intron (N	intron (N	5776	NR_039800	1.01E+08		NR_039800	ENSG00000	MIR4656	-	microRNA	ncRNA
chr8-1430	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3261	NM_002346	4061	Hs.521903	NM_002346	ENSG00000	LY6E	RIG-E|RIG	lymphocyt	protein-coding
chrX-4059	6.947142	0.046743	0.874461	0.053454	0.957371	0.981636	chrX	40599045	40599839	+	0	NA	intron (N	intron (N	18472	NM_005765	10159	Hs.495960	NM_005765	ENSG00000	ATP6AP2	APT6M8-9|	ATPase H+	protein-coding
chr10-109	9.862415	0.039729	0.743852	0.053409	0.957406	0.981636	chr10	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	10865	NM_001324	7511	Hs.390623	NM_020383	ENSG00000	XPNPEP1	APP1|SAMP	X-prolyl	protein-coding
chr12-490	9.862415	0.039729	0.743852	0.053409	0.957406	0.981636	chr12	49011587	49013171	+	0	NA	intron (N	AluSq2|SI	6397	NM_001206	5571	Hs.530862	NM_002733	ENSG00000	PRKAG1	AMPKG	protein k	protein-coding
chr5-1403	4.989913	0.054777	1.028903	0.053238	0.957542	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	11810	NM_001945	1839	Hs.799	NM_001945	ENSG00000	HBEGF	DTR|DTS|D	heparin b	protein-coding
chr10-994	6.189411	-0.05096	0.957244	-0.05323	0.957546	0.981636	chr10	99405442	99405871	+	0	NA	intron (N	L1ME4a|LI	24968	NM_002079	2805	Hs.500756	NM_002079	ENSG00000	GOT1	AST1|ASTQ	glutamic-	protein-coding
chr17-421	6.189411	-0.05096	0.957244	-0.05323	0.957546	0.981636	chr17	42151553	42151812	+	0	NA	intron (N	intron (N	3307	NM_004583	5878	Hs.650382	NM_004583	ENSG00000	RAB5C	L1880|RAB	RAB5C, me	protein-coding
chr12-571	8.855373	0.04192	0.787477	0.053234	0.957546	0.981636	chr12	57149965	57151166	+	0	NA	intron (N	L2c|LINE|	-2946	NR_131939	1.06E+08	Hs.609540	NR_131938	ENSG00000	LRP1-AS	-	LRP1 anti	ncRNA
chr18-419	8.855373	0.04192	0.787477	0.053234	0.957546	0.981636	chr18	41971126	41971631	+	0	NA	intron (N	intron (N	16144	NM_002647	5289	Hs.464971	NM_002647	ENSG00000	PIK3C3	VPS34|Vps	phosphati	protein-coding
chr2-9937	8.855373	0.04192	0.787477	0.053234	0.957546	0.981636	chr2	99379062	99380404	+	0	NA	intron (N	(TTTTC)n|	42344	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr3-6994	8.855373	0.04192	0.787477	0.053234	0.957546	0.981636	chr3	69948738	69950193	+	0	NA	intron (N	intron (N	12865	NM_000248	4286	Hs.166017	NM_000248	ENSG00000	MITF	CMM8|COMM	melanocyt	protein-coding
chr17-802	7.369309	0.046499	0.874987	0.053142	0.957618	0.981636	chr17	80251477	80251761	+	0	NA	intron (N	AluSx|SIN	-9233	NM_001256	57674	Hs.195642	NM_020914	ENSG00000	RNF213	ALO17|C17	ring fing	protein-coding
chr4-3951	7.122032	-0.04815	0.906329	-0.05313	0.957627	0.981636	chr4	39514121	39514333	+	0	NA	intron (N	intron (N	13212	NM_003359	7358	Hs.572518	NM_003359	ENSG00000	UGDH	GDH|UDP-G	UDP-gluco	protein-coding
chr1-1518	6.676291	-0.04832	0.909667	-0.05312	0.95764	0.981636	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	L1MC2|LIN	15135	NM_053055	117145	Hs.164070	NM_053055	ENSG00000	THEM4	CTMP	thioester	protein-coding
chr12-649	6.676291	-0.04832	0.909667	-0.05312	0.95764	0.981636	chr12	6499218	6499568	+	0	NA	intron (N	AluSx1|SI	5291	NM_014865	9918	Hs.5719	NM_014865	ENSG00000	NCAPD2	CAP-D2|CN	non-SMC c	protein-coding
chr2-6931	6.676291	-0.04832	0.909667	-0.05312	0.95764	0.981636	chr2	69313393	69313648	+	0	NA	Intergeni	L1M5|LINE	73707	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-1622	6.676291	-0.04832	0.909667	-0.05312	0.95764	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	MLT1C|LTR	38849	NM_004460	2191	Hs.654370	NM_004460	ENSG00000	FAP	DPPIV|FAP	fibroblas	protein-coding
chr1-1740	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	17409153	17411232	+	0	NA	intron (N	intron (N	28344	NM_001136	55920	Hs.380857	NM_018715	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-4100	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	41008061	41013060	+	0	NA	intron (N	intron (N	-4030	NR_037868	1.01E+08	Hs.660056	NR_037868	ENSG00000	SLFNL1-AS	-	SLFNL1 an	ncRNA
chr1-4113	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	41139790	41143124	+	0	NA	intron (N	L1MC5|LIN	19975	NR_135092	22955	Hs.571874	NM_012236	ENSG00000	SCMH1	Scml3	Scm polyc	protein-coding
chr1-4274	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	42749066	42750077	+	0	NA	intron (N	intron (N	-9317	NM_001185	149461	Hs.496270	NM_148960	ENSG00000	CLDN19	HOMG5	claudin 1	protein-coding
chr1-1000	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	AluSz|SIN	40772	NM_033055	64645	Hs.124156	NM_033055	ENSG00000	MFSD14A	HIAT1	major fac	protein-coding
chr1-1001	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	1E+08	1E+08	+	0	NA	intron (N	AluSc8|SI	13355	NR_135078	54482	Hs.729095	NM_019083	ENSG00000	TRMT13	CCDC76	tRNA meth	protein-coding
chr1-1131	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	34610	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr1-2444	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr1	2.44E+08	2.44E+08	+	0	NA	intron (N	intron (N	36364	NM_001126	159	Hs.498313	NM_001126	ENSG00000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr10-879	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr10	87951699	87954113	+	0	NA	intron (N	MIR3|SINE	89281	NM_000314	5728	Hs.500466	NM_000314	ENSG00000	PTEN	10q23del|	phosphata	protein-coding
chr10-956	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr10	95623721	95628060	+	0	NA	intron (N	intron (N	30821	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr10-996	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr10	99695901	99700401	+	0	NA	intron (N	intron (N	-34083	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr11-472	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr11	47226716	47228600	+	0	NA	intron (N	AluSq2|SI	12716	NM_001300	1643	Hs.700338	NM_000107	ENSG00000	DDB2	DDBB|UV-D	damage sp	protein-coding
chr11-748	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr11	74844892	74846088	+	0	NA	intron (N	L2c|LINE|	96641	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr11-779	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr11	77988555	77991028	+	0	NA	intron (N	AluJb|SIN	4877	NM_033547	92105	Hs.533723	NM_033547	ENSG00000	INTS4	INT4|MSTC	integrato	protein-coding
chr12-907	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	9072387	9074442	+	0	NA	intron (N	intron (N	8237	NR_137424	144571	Hs.592432	NR_026971	ENSG00000	A2M-AS1	-	A2M antis	ncRNA
chr12-965	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	9659343	9660362	+	0	NA	Intergeni	MER101-in	-9861	NM_001197	29121	Hs.268326	NM_013269	ENSG00000	CLEC2D	CLAX|LLT1	C-type le	protein-coding
chr12-423	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	42336030	42337719	+	0	NA	intron (N	intron (N	5076	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr12-501	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	50135926	50139792	+	0	NA	intron (N	intron (N	25623	NM_001257	84987	Hs.388645	NM_032901	ENSG00000	COX14	C12orf62|	cytochrom	protein-coding
chr12-508	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	50809790	50812663	+	0	NA	intron (N	L2a|LINE|	-31700	NM_182559	283471	Hs.125571	NM_182559	ENSG00000	TMPRSS12	CT151	transmemb	protein-coding
chr12-106	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	Tigger1|D	23531	NM_001160	55703	Hs.62696	NM_018082	ENSG00000	POLR3B	C128|HLD8	RNA polym	protein-coding
chr12-109	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	37324	NM_057169	9815	Hs.434996	NM_014776	ENSG00000	GIT2	CAT-2|CAT	GIT ArfGA	protein-coding
chr12-121	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	MER102b|D	4922	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr12-121	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	LTR33|LTR	7034	NM_001330	51433	Hs.7101	NM_016237	ENSG00000	ANAPC5	APC5	anaphase	protein-coding
chr12-132	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10291	NM_015114	23141	Hs.654628	NM_015114	ENSG00000	ANKLE2	KIAA0692|	ankyrin r	protein-coding
chr13-196	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr13	19662163	19663341	+	0	NA	intron (N	intron (N	29093	NM_017520	54737	Hs.269654	NM_017520	ENSG00000	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr13-198	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr13	19832040	19835703	+	0	NA	intron (N	AluJo|SIN	29765	NM_001039	9205	Hs.530988	NM_014242	ENSG00000	ZMYM5	HSPC050|M	zinc fing	protein-coding
chr13-422	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr13	42290038	42291811	+	0	NA	intron (N	L1MC4|LIN	18772	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr13-973	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr13	97346166	97352303	+	0	NA	intron (N	intron (N	-84935	NM_021033	5911	Hs.508480	NM_021033	ENSG00000	RAP2A	K-REV|KRE	RAP2A, me	protein-coding
chr14-307	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr14	30727113	30729374	+	0	NA	intron (N	intron (N	105924	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr14-100	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-3514	NR_003080	692215		NR_003080	ENSG00000	SNORD112	14q(0)	small nuc	snoRNA
chr14-104	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	3908	NM_021709	10572	Hs.112058	NM_006427	ENSG00000	SIVA1	CD27BP|SI	SIVA1 apo	protein-coding
chr15-641	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr15	64170760	64171119	+	0	NA	3’ UTR (N	3’ UTR (N	-7784	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr15-755	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr15	75511623	75515877	+	0	NA	intron (N	AluSz|SIN	-57935	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr16-911	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr16	9114741	9118428	+	0	NA	intron (N	intron (N	24940	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr16-287	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr16	28723204	28727450	+	0	NA	intron (N	intron (N	1075	NR_106922	1.02E+08		NR_106922	ENSG00000	MIR6862-1	hsa-mir-6	microRNA	ncRNA
chr17-105	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr17	1057697	1058524	+	0	NA	intron (N	intron (N	20883	NM_001282	29	Hs.159306	NM_001092	ENSG00000	ABR	MDB	ABR activ	protein-coding
chr17-382	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr17	38298688	38304415	+	0	NA	intron (N	intron (N	4383	NM_032351	84311	Hs.537279	NM_032351	ENSG00000	MRPL45	L45mt|MRP	mitochond	protein-coding
chr17-422	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr17	42206691	42210152	+	0	NA	intron (N	AluSx|SIN	-13927	NM_001142	84514	Hs.38039	NM_032484	ENSG00000	GHDC	D11LGP1|L	GH3 domai	protein-coding
chr17-454	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr17	45464740	45469139	+	0	NA	intron (N	L1ME3|LIN	8496	NR_036271	1E+08		NR_036271	ENSG00000	MIR4315-2	-	microRNA	ncRNA
chr18-873	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr18	8730996	8737925	+	0	NA	intron (N	intron (N	17079	NM_015210	23255	Hs.707920	NM_015210	ENSG00000	MTCL1	CCDC165|K	microtubu	protein-coding
chr19-569	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr19	5691348	5697231	+	0	NA	intron (N	intron (N	3994	NM_015414	25873	Hs.408018	NM_015414	ENSG00000	RPL36	L36	ribosomal	protein-coding
chr19-190	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr19	19001240	19005041	+	0	NA	intron (N	intron (N	30377	NR_147913	10147	Hs.77876	NM_014884	ENSG00000	SUGP2	SFRS14|SF	SURP and	protein-coding
chr19-407	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr19	40724477	40728311	+	0	NA	intron (N	intron (N	9282	NM_025194	80271	Hs.515415	NM_025194	ENSG00000	ITPKC	IP3-3KC|I	inositol-	protein-coding
chr2-6942	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	69429921	69431937	+	0	NA	intron (N	(CATA)n|S	6506	NR_045632	27247	Hs.430439	NM_015700	ENSG00000	NFU1	CGI-33|HI	NFU1 iron	protein-coding
chr2-6952	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	69525079	69527736	+	0	NA	intron (N	intron (N	-6236	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-8604	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	86048907	86049553	+	0	NA	exon (NM_	exon (NM_	56656	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFDC	RNA polym	protein-coding
chr2-1084	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	L1MA4A|LI	14086	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr2-1132	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (N	L2b|LINE|	14355	NM_013953	7849	Hs.469728	NM_003466	ENSG00000	PAX8	-	paired bo	protein-coding
chr2-1351	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	32115	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr2-2017	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSz|SIN	-33897	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr20-146	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr20	1460145	1461535	+	0	NA	intron (N	intron (N	6852	NM_018839	55968	Hs.12865	NM_016143	ENSG00000	NSFL1C	P47|UBX1|	NSFL1 cof	protein-coding
chr20-137	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr20	13793716	13797669	+	0	NA	intron (N	AluJb|SIN	10664	NR_147982	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubic	protein-coding
chr21-428	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr21	42873396	42875628	+	0	NA	intron (N	MER11C|LT	4763	NM_001260	10785	Hs.248815	NM_018669	ENSG00000	WDR4	GAMOS6|MI	WD repeat	protein-coding
chr22-201	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr22	20104191	20110560	+	0	NA	exon (NM_	exon (NM_	7376	NR_106874	1.02E+08		NR_106874	ENSG00000	MIR6816	hsa-mir-6	microRNA	ncRNA
chr3-2561	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr3	25617885	25619111	+	0	NA	exon (NM_	exon (NM_	45874	NM_001068	7155	Hs.475733	NM_001068	ENSG00000	TOP2B	TOPIIB|to	DNA topoi	protein-coding
chr3-5005	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr3	50057149	50063045	+	0	NA	intron (N	FAM|SINE|	-28822	NM_005778	10181	Hs.439480	NM_005778	ENSG00000	RBM5	G15|H37|L	RNA bindi	protein-coding
chr3-5330	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr3	53302775	53304561	+	0	NA	intron (N	L2a|LINE|	29459	NR_145715	1.1E+08		NR_145715	ENSG00000	SNORD38C	-	small nuc	snoRNA
chr3-1495	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	3’ UTR (N	3’ UTR (N	44703	NM_004617	7104	Hs.133527	NM_004617	ENSG00000	TM4SF4	ILTMP|il-	transmemb	protein-coding
chr4-1223	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	1223089	1228708	+	0	NA	intron (N	CpG-20806	15778	NR_104331	285463	Hs.707614	NR_104331	ENSG00000	CTBP1-AS	PCAT10	CTBP1 ant	ncRNA
chr4-4418	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	4418894	4420103	+	0	NA	TTS (NM_0	TTS (NM_0	32535	NM_014392	27065	Hs.518595	NM_014392	ENSG00000	NSG1	D4S234|D4	neuronal	protein-coding
chr4-8470	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	84701249	84703130	+	0	NA	intron (N	intron (N	119062	NM_001263	1040	Hs.654899	NM_001263	ENSG00000	CDS1	CDS 1	CDP-diacy	protein-coding
chr4-8477	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	84779606	84784687	+	0	NA	intron (N	intron (N	-183470	NR_152774	404201	Hs.46730	NM_205857	ENSG00000	WDFY3-AS2	C4orf12|F	WDFY3 ant	ncRNA
chr4-8678	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	86789146	86791682	+	0	NA	intron (N	L2a|LINE|	58970	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr4-1476	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	MER31B|LT	9721	NM_018241	55751	Hs.203896	NM_018241	ENSG00000	TMEM184C	TMEM34	transmemb	protein-coding
chr5-1392	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr5	13927359	13931365	+	0	NA	intron (N	L1MB2|LIN	15118	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1383	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	26465	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr5-1433	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	AluSc|SIN	94160	NM_001364	2908	Hs.122926	NM_000176	ENSG00000	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr5-1503	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	AluYb8|SI	9070	NM_000356	6949	Hs.519672	NM_000356	ENSG00000	TCOF1	MFD1|TCS|	treacle r	protein-coding
chr6-1778	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr6	17783157	17787959	+	0	NA	exon (NM_	exon (NM_	78515	NR_134618	1.05E+08	Hs.718703	NR_134616	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-3056	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr6	30561302	30563211	+	0	NA	intron (N	intron (N	-4662	NM_005275	2794	Hs.83147	NM_005275	ENSG00000	GNL1	HSR1	G protein	protein-coding
chr6-5715	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr6	57150599	57156124	+	0	NA	intron (N	intron (N	18852	NR_110742	1.02E+08	Hs.705718	NR_110742		ZNF451-AS	-	ZNF451 re	ncRNA
chr6-7894	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr6	78945335	78947134	+	0	NA	exon (NM_	exon (NM_	78683	NM_001010	134728	Hs.656212	NM_001010	ENSG00000	IRAK1BP1	AIP70|SIM	interleuk	protein-coding
chr7-5328	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr7	5328859	5333200	+	0	NA	intron (N	intron (N	48086	NM_001040	222962	Hs.4302	NM_153247	ENSG00000	SLC29A4	ENT4|PMAT	solute ca	protein-coding
chr7-6655	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr7	66550393	66555749	+	0	NA	TTS (NR_1	TTS (NR_1	39336	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr7-6694	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr7	66945464	66950315	+	0	NA	intron (N	AluJr|SIN	26664	NM_017994	55069	Hs.488478	NM_017994	ENSG00000	TMEM248	C7orf42	transmemb	protein-coding
chr8-3827	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr8	38275399	38280915	+	0	NA	intron (N	AluY|SINE	-8925	NM_001354	84513	Hs.567619	NM_032483	ENSG00000	PLPP5	DPPL1|HTP	phospholi	protein-coding
chr8-3833	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr8	38333826	38338275	+	0	NA	intron (N	intron (N	46221	NM_023034	54904	Hs.434966	NM_017778	ENSG00000	NSD3	KMT3F|KMT	nuclear r	protein-coding
chr8-8978	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr8	89786534	89787698	+	0	NA	intron (N	AluSx1|SI	29300	NM_003821	8767	Hs.103755	NM_003821	ENSG00000	RIPK2	CARD3|CAR	receptor	protein-coding
chr9-9820	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr9	98207550	98214592	+	0	NA	intron (N	intron (N	2480	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|P	TBC1 doma	protein-coding

chr9-1364	7.426164	0.044857	0.84536	0.053063	0.957682	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-4567	NM_001282	23203	Hs.495471	NM_015160	ENSG00000	PMPCA	Alpha-MPF	peptidase	protein-coding
chr6-1664	8.688526	-0.04303	0.814079	-0.05286	0.957847	0.981636	chr6	1.66E+08	1.66E+08	+	0	NA	intron (N	L1PA3|LIN	36160	NR_046793	1.01E+08	Hs.675698	NR_046793	ENSG00000	RPS6KA2-I	-	RPS6KA2 i	ncRNA
chr5-1326	9.911413	0.039814	0.75336	0.052848	0.957853	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L1ME3F|LI	22955	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr11-116	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	MIRb|SINE	-57960	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr12-312	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr12	31281582	31282825	+	0	NA	3' UTR (N	3' UTR (N	-42113	NR_026806	79857	Hs.534485	NM_024799	ENSG00000	FLJ13224	-	uncharact	ncRNA
chr2-6918	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr2	69184428	69185260	+	0	NA	intron (N	MER5B|DNA	81162	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr20-459	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr20	45949853	45950708	+	0	NA	exon (NM_	exon (NM_	15597	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr6-1334	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	241758	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr6-1581	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	3' UTR (N	3' UTR (N	24192	NM_207118	404672	Hs.356224	NM_207118	ENSG00000	GTF2H5	C6orf175|	general t	protein-coding
chr9-1217	7.212169	-0.04546	0.861475	-0.05277	0.957915	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	32229	NM_138709	153090	Hs.522378	NM_032552	ENSG00000	DAB2IP	AF9Q34|AI	DAB2 inte	protein-coding
chr12-144	10.86946	0.037802	0.716849	0.052733	0.957945	0.981636	chr12	14460430	14461216	+	0	NA	exon (NM_	exon (NM_	75542	NM_181352	55729	Hs.504856	NM_018179	ENSG00000	ATF7IP	AM|ATF-IP	activatin	protein-coding
chr1-8671	9.613289	-0.04015	0.761979	-0.0527	0.957973	0.981636	chr1	86716659	86717003	+	0	NA	intron (N	intron (N	12255	NM_016009	51100	Hs.136309	NM_016009	ENSG00000	SH3GLB1	Bif-1|CGI	SH3 domai	protein-coding
chr1-1087	9.613289	-0.04015	0.761979	-0.0527	0.957973	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJb|SIN	7526	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr14-351	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr14	35102912	35103172	+	0	NA	intron (N	AluSx1|SI	19500	NM_001305	55012	Hs.530712	NM_017917	ENSG00000	PPP2R3C	C14orf10|	protein p	protein-coding
chr15-494	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr15	49473255	49474640	+	0	NA	intron (N	Charlie21	50705	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr16-912	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr16	9121672	9122138	+	0	NA	TTS (NM_0	TTS (NM_0	30261	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr17-496	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr17	4960284	4961573	+	0	NA	intron (N	intron (N	6889	NM_004890	9552	Hs.90436	NM_004890	ENSG00000	SPAG7	ACRP|FSA-	sperm ass	protein-coding
chr18-130	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr18	13001854	13002580	+	0	NA	intron (N	L1ME4a|LI	10855	NM_032142	55125	Hs.100914	NM_018069	ENSG00000	CEP192	PPP1R62	centrosom	protein-coding
chr2-6986	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr2	69865934	69867129	+	0	NA	intron (N	AluJo|SIN	-27425	NR_037862	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr3-4500	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr3	45004408	45005209	+	0	NA	intron (N	L1ME3A|LI	-21495	NM_003278	7123	Hs.476092	NM_003278	ENSG00000	CLEC3B	TN|TNA	C-type le	protein-coding
chr5-5307	7.163172	-0.04587	0.871263	-0.05265	0.958008	0.981636	chr5	53072061	53073076	+	0	NA	intron (N	L1ME3E|LI	37189	NM_176806	4338	Hs.163645	NM_004531	ENSG00000	MOCS2	MCBPE|MOC	molybdenu	protein-coding
chr16-151	5.468935	0.051477	0.978048	0.052632	0.958025	0.981636	chr16	15109392	15110383	+	0	NA	TTS (NR_1	TTS (NR_1	15476	NR_125434	1.01E+08	Hs.678758	NR_125434	ENSG00000	LOC100505	-	uncharact	ncRNA
chr2-2193	5.468935	0.051477	0.978048	0.052632	0.958025	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	Tigger3b|	8636	NM_001319	23549	Hs.258551	NM_012100	ENSG00000	DNPEP	ASPEP|DAF	aspartyl	protein-coding
chr9-1211	5.468935	0.051477	0.978048	0.052632	0.958025	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	22658	NM_001369	11064	Hs.653263	NM_007018	ENSG00000	CNTRL	CEP1|CEP1	centrioli	protein-coding
chr1-2116	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr1	21161719	21162674	+	0	NA	intron (N	intron (N	5843	NM_001198	8672	Hs.467084	NM_003760	ENSG00000	EIF4G3	eIF-4G 3|	eukaryoti	protein-coding
chr1-1613	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr1	1.61E+08	1.61E+08	+	0	NA	non-codin	non-codin	2096	NM_001013	257177	Hs.534593	NM_001013	ENSG00000	CFAP126	C1orf192|	cilia anc	protein-coding
chr1-2403	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	237936	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr15-494	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr15	49458984	49460463	+	0	NA	intron (N	intron (N	36481	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr18-922	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr18	9225104	9226238	+	0	NA	intron (N	Kanga2_a|	88108	NM_001204	23253	Hs.464585	NM_015208	ENSG00000	ANKRD12	ANCO-2|AN	ankyrin r	protein-coding
chr19-121	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr19	12169335	12170705	+	0	NA	intron (N	AluY|SINE	6924	NM_003437	7695	Hs.479874	NM_003437	ENSG00000	ZNF136	pHZ-20	zinc fing	protein-coding
chr19-363	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr19	36325727	36326183	+	0	NA	intron (N	HERVS71-i	5763	NR_038279	1.01E+08	Hs.595153	NR_038278	ENSG00000	LINC00665	-	long inte	ncRNA
chr2-1898	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	L1MEg|LIN	27245	NM_001321	5378	Hs.111749	NM_000534	ENSG00000	PMS1	HNPCC3|ML	PMS1 homo	protein-coding
chr6-1296	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr6	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	77538	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr7-7760	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr7	77600210	77601545	+	0	NA	intron (N	intron (N	62834	NM_001131	5782	Hs.61812	NM_002835	ENSG00000	PTPN12	PTP-PEST|	protein t	protein-coding
chr9-1230	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	MIRb|SINE	26785	NR_030331	693185		NR_030331	ENSG00000	MIR600	MIRN600|h	microRNA	ncRNA
chrX-7382	6.898144	0.046476	0.883123	0.052627	0.958029	0.981636	chrX	73827795	73829393	+	0	NA	non-codin	non-codin	24159	NR_001564	7503	Hs.529901	NR_001564	ENSG00000	XIST	DXS1089|D	X inactiv	ncRNA
chr10-844	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr10	84485613	84486502	+	0	NA	intron (N	L1PA5|LIN	60888	NM_001284	54462	Hs.461988	NM_018999	ENSG00000	CCSER2	FAM190B|C	coiled-co	protein-coding
chr14-311	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr14	31167224	31169789	+	0	NA	intron (N	intron (N	39287	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr18-952	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr18	9525990	9530102	+	0	NA	intron (N	L1ME1|LIN	52533	NM_006788	10928	Hs.528993	NM_006788	ENSG00000	RALBP1	RIP1|RLIP	ralA bind	protein-coding
chr2-8531	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr2	85314911	85317966	+	0	NA	Intergeni	Intergeni	11551	NM_001368	10618	Hs.593382	NM_006464	ENSG00000	TGOLN2	TGN38|TGN	trans-gol	protein-coding
chr20-510	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr20	5108223	5110987	+	0	NA	intron (N	intron (N	3471	NM_001009	29058	Hs.472024	NM_014145	ENSG00000	TMEM230	C20orf30|	transmemb	protein-coding
chr5-7148	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr5	71487170	71490115	+	0	NA	intron (N	AluSq2|SI	32991	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr7-1390	8.63167	-0.04155	0.789601	-0.05262	0.958033	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	AluSx|SIN	26049	NM_020119	56829	Hs.133512	NM_020119	ENSG00000	ZC3HAV1	ARTD13|FL	zinc fing	protein-coding
chr1-7983	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr1	7983287	7986847	+	0	NA	3' UTR (N	3' UTR (N	23356	NM_007262	11315	Hs.419640	NM_007262	ENSG00000	PARK7	DJ-1|DJ1|	Parkinson	protein-coding
chr1-2126	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr1	21267645	21271515	+	0	NA	intron (N	MIRb|SINE	10035	NM_001113	1889	Hs.195080	NM_001397	ENSG00000	ECE1	ECE	endotheli	protein-coding
chr1-2732	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr1	27324434	27325941	+	0	NA	non-codin	non-codin	1313	NR_033926	644961	Hs.660887	NR_033926		ACTG1P20	-	actin gam	pseudo
chr1-3748	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr1	37480966	37484475	+	0	NA	intron (N	intron (N	2490	NR_106790	1.02E+08		NR_106790	ENSG00000	MIR6732	hsa-mir-6	microRNA	ncRNA
chr1-1129	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	Intergeni	(T)n|Simp	11603	NR_103744	1.01E+08	Hs.418285	NR_103743	ENSG00000	SLC16A1-A	-	SLC16A1 a	ncRNA
chr10-107	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr10	1077186	1080774	+	0	NA	intron (N	HAL1ME|LI	-22276	NR_134300	3422	Hs.283652	NM_004508	ENSG00000	IDI1	IPP1|IPPI	isopenter	protein-coding
chr10-459	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr10	45987679	45991308	+	0	NA	intron (N	L1MB2|LIN	4885	NR_145721	1.1E+08		NR_145721	ENSG00000	SNORA74C-	-	small nuc	snoRNA
chr10-737	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr10	73711900	73712957	+	0	NA	intron (N	AluSc|SIN	-14632	NM_001144	729092	Hs.651147	NM_001144	ENSG00000	AGAP5	CTGLF2	ArfGAP wi	protein-coding
chr10-997	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr10	99701315	99705070	+	0	NA	intron (N	intron (N	-29042	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr11-573	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr11	57331325	57332988	+	0	NA	exon (NM_	exon (NM_	3736	NM_003146	6749	Hs.523680	NM_003146	ENSG00000	SSRP1	FACT|FACT	structure	protein-coding
chr12-424	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr12	42461886	42470826	+	0	NA	exon (NM_	exon (NM_	17259	NM_001144	144165	Hs.524348	NM_153026	ENSG00000	PRICKLE1	EPM1B|RII	prickle p	protein-coding
chr12-588	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr12	58884939	58888025	+	0	NA	intron (N	intron (N	33064	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr12-115	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	178768	NR_030351	693205		NR_030351	ENSG00000	MIR620	MIRN620|h	microRNA	ncRNA
chr12-118	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	exon (NM_	exon (NM_	-8554	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr13-325	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr13	32515099	32519640	+	0	NA	3' UTR (N	3' UTR (N	-7974	NR_026928	116828	Hs.658751	NR_026928	ENSG00000	N4BP2L2-I	CG030	N4BPL2 in	ncRNA
chr14-501	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr14	50148066	50149010	+	0	NA	intron (N	intron (N	-31966	NR_049738	79609	Hs.558541	NM_024558	ENSG00000	VCPKMT	C14orf138	valosin c	protein-coding
chr14-676	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr14	67655321	67658171	+	0	NA	intron (N	intron (N	17886	NM_006370	10490	Hs.741177	NM_006370	ENSG00000	VTI1B	VTI1|VTI1	vesicle t	protein-coding
chr14-885	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr14	88500233	88501487	+	0	NA	exon (NM_	exon (NM_	54147	NM_007039	11099	Hs.437040	NM_007039	ENSG00000	PTPN21	PTPD1|PTF	protein t	protein-coding
chr14-100	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	5594	NR_003531	55384	Hs.654863	NR_002766	ENSG00000	MEG3	FP504|GTL	maternall	ncRNA
chr15-228	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr15	22870163	22872688	+	0	NA	intron (N	L1MEd|LIN	32784	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magr	protein-coding
chr15-343	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr15	34341066	34341914	+	0	NA	TTS (NM_0	TTS (NM_0	1671	NM_018648	55505	Hs.14317	NM_018648	ENSG00000	NOP10	DKCB1|NOL	NOP10 rib	protein-coding
chr15-422	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr15	42224274	42228590	+	0	NA	intron (N	Tigger1|D	-18128	NM_015289	23339	Hs.88025	NM_015289	ENSG00000	VPS39	TLP|VAM6|	VPS39 sub	protein-coding
chr15-651	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr15	65175077	65180673	+	0	NA	intron (N	AluJb|SIN	7467	NM_006660	10845	Hs.113823	NM_006660	ENSG00000	CLPX	EPP2	caseinoly	protein-coding
chr15-101	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	L1ME3E|LI	6098	NM_078474	80213	Hs.288912	NM_025141	ENSG00000	TM2D3	BLP2	TM2 domai	protein-coding
chr16-172	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr16	1725618	1726792	+	0	NA	intron (N	intron (N	-8780	NR_036138	1E+08		NR_036138	ENSG00000	MIR3177	mir-3177	microRNA	ncRNA
chr16-480	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr16	4806482	4814657	+	0	NA	intron (N	L1MEf|LIN	-7619	NM_024589	79641	Hs.459795	NM_024589	ENSG00000	ROGDI	KTZS	rogdi aty	protein-coding
chr16-282	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr16	28200028	28207424	+	0	NA	intron (N	intron (N	8239	NM_015171	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANE	exportin	protein-coding
chr16-820	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr16	82045856	82046331	+	0	NA	intron (N	intron (N	10840	NM_002153	3294	Hs.162795	NM_002153	ENSG00000	HSD17B2	EDH17B2|H	hydroxyst	protein-coding
chr17-375	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr17	37523960	37524554	+	0	NA	intron (N	intron (N	34366	NM_007026	11072	Hs.91448	NM_007026	ENSG00000	DUSP14	MKP-L|MKP	dual spec	protein-coding
chr17-448	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr17	44873923	44878498	+	0	NA	intron (N	intron (N	23158	NM_001258	9343	Hs.151787	NM_004247	ENSG00000	EFTUD2	MFDGA|MFD	elongatio	protein-coding
chr17-599	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr17	59925523	59930520	+	0	NA	intron (N	AluSg|SIN	34900	NR_161462	6198	Hs.463642	NM_003161	ENSG00000	RPS6KB1	PS6K|S6K|	ribosomal	protein-coding
chr17-624	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr17	62440619	62442772	+	0	NA	intron (N	AluSg|SIN	17810	NM_181725	339175	Hs.381204	NM_181725	ENSG00000	METTL2A	METTL2	methyltra	protein-coding
chr18-549	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr18	54920834	54921720	+	0	NA	intron (N	L1PA16|LI	36771	NM_001143	80323	Hs.120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-co	protein-coding
chr19-224	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr19	2243508	2248858	+	0	NA	intron (N	intron (N	-3140	NM_000479	268	Hs.112432	NM_000479	ENSG00000	AMH	MIF|MIS	anti-Mull	protein-coding
chr19-305	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr19	3057753	3059822	+	0	NA	intron (N	intron (N	3708	NM_198970	166	Hs.515053	NM_001130	ENSG00000	TLE5	AES|AES-1	TLE famil	protein-coding
chr19-206	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr19	20640561	20643062	+	0	NA	intron (N	AluJo|SIN	19760	NM_001076	199777	Hs.657001	NM_145297	ENSG00000	ZNF626	-	zinc fing	protein-coding
chr19-468	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr19	46835248	46840542	+	0	NA	TTS (NM_0	TTS (NM_0	-7191	NR_024258	1E+08	Hs.541243	NR_024258		SNAR-E	-	small NF9	snRNA
chr2-6508	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	65087219	65092367	+	0	NA	intron (N	AluSx|SIN	33377	NM_001319	23177	Hs.709257	NM_015147	ENSG00000	CEP68	KIAA0582	centrosom	protein-coding
chr2-6990	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	69903460	69904805	+	0	NA	intron (N	intron (N	10176	NM_006857	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr2-8608	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	86086334	86090359	+	0	NA	intron (N	intron (N	17540	NM_015425	25885	Hs.531818	NM_015425	ENSG00000	POLR1A	A190|AFD0	RNA polym	protein-coding
chr2-8958	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	89580135	89581037	+	0	NA	non-codin	non-codin	5079	NR_160763	1.08E+08		NR_160761		LOC107985	-	lymphocyt	pseudo
chr2-1603	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	41442	NR_039946	1.01E+08		NR_039946	ENSG00000	MIR4785	mir-4785	microRNA	ncRNA
chr2-1620	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	38165	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1696	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	L2a|LINE|	49354	NM_004792	9360	Hs.470544	NM_004792	ENSG00000	PPIG	CARS-Cyp|	peptidylp	protein-coding
chr2-1717	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	AluY|SINE	30778	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr2-2192	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	2431	NM_001039	3300	Hs.77768	NM_006736	ENSG00000	DNAJB2	CMT2T|DSM	DnaJ heat	protein-coding
chr20-321	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr20	32198850	32201196	+	0	NA	intron (N	intron (N	7720	NM_002657	5326	Hs.154104	NM_002657	ENSG00000	PLAGL2	ZNF900	PLAG1 lik	protein-coding
chr20-368	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr20	36827617	36829150	+	0	NA	intron (N	MIRb|SINE	31490	NM_199181	140710	Hs.460807	NM_080627	ENSG00000	SOGA1	C20orf117	suppresso	protein-coding
chr21-375	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr21	37505707	37508489	+	0	NA	intron (N	L2b|LINE|	86799	NM_130438	1859	Hs.368240	NM_001396	ENSG00000	DYRK1A	DYRK|DYRK	dual spec	protein-coding
chr22-314	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr22	31483831	31488384	+	0	NA	intron (N	AluSq2|SI	3449	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr3-9663	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	9663822	9664402	+	0	NA	intron (N	intron (N	14607	NM_022485	64419	Hs.475382	NM_022485	ENSG00000	MTMR14	C3orf29	myotubula	protein-coding
chr3-4263	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	42634630	42635980	+	0	NA	exon (NM_	exon (NM_	-18392	NM_145166	92999	Hs.409561	NM_145166	ENSG00000	ZBTB47	ZNF651	zinc fing	protein-coding
chr3-4845	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	48453634	48456162	+	0	NA	intron (N	AluSz|SIN	7772	NM_001271	84126	Hs.694840	NM_032166	ENSG00000	ATRIP	-	ATR inter	protein-coding
chr3-5816	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	58169381	58171672	+	0	NA	non-codin	non-codin	109	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr3-1286	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJo|SIN	13620	NM_002950	6184	Hs.518244	NM_002950	ENSG00000	RPN1	OST1|RBPH	ribophori	protein-coding
chr3-1972	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	MER1B|DNA	7474	NR_039960	1.01E+08		NR_039960	ENSG00000	MIR4797	-	microRNA	ncRNA
chr4-7548	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr4	75480330	75482702	+	0	NA	non-codin	non-codin	27780	NR_103725	25898	Hs.48297	NM_015436	ENSG00000	RCHY1	ARNIP|CHI	ring fing	protein-coding
chr4-1836	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	AluJr|SIN	6663	NM_152682	201965	Hs.133337	NM_152682	ENSG00000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr5-1673	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr5	16739928	16740793	+	0	NA	intron (N	intron (N	-123302	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-3700	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr5	37000463	37001417	+	0	NA	intron (N	intron (N	124171	NM_015384	25836	Hs.481927	NM_015384	ENSG00000	NIPBL	CDLS|CDLS	NIPBL coh	protein-coding
chr5-1500	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	MIR3|SINE	30663	NM_001366	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr6-1728	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr6	17284856	17288435	+	0	NA	intron (N	intron (N	3944	NM_153020	221662	Hs.519904	NM_153020	ENSG00000	RBM24	RNPC6|dJ2	RNA bindi	protein-coding
chr6-3620	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr6	36204937	36213265	+	0	NA	intron (N	MIRb|SINE	12357	NM_015695	27154	Hs.520096	NM_015695	ENSG00000	BRPF3	-	bromodoma	protein-coding
chr6-3622	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr6	36222219	36222679	+	0	NA	intron (N	intron (N	-20719	NM_173676	285848	Hs.407002	NM_173676	ENSG00000	PNPLA1	ARCI10|dJ	patatin l	protein-coding
chr6-1102	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	31322	NM_015891	51362	Hs.428147	NM_015891	ENSG00000	CDC40	EHB3|PRP1	cell divi	protein-coding
chr6-1113	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	MLT1G1|LT	55124	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-3293	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr7	32932554	32933717	+	0	NA	intron (N	AluSz|SIN	10035	NR_003500	441212	Hs.648086	NM_001039	ENSG00000	RP9P	-	RP9 pseud	pseudo
chr7-6701	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr7	67018757	67020238	+	0	NA	intron (N	intron (N	22664	NM_018264	55253	Hs.520917	NM_018264	ENSG00000	TYW1	RSAFD1|TY	tRNA-yW s	protein-coding
chr8-1801	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr8	18010093	18019043	+	0	NA	intron (N	intron (N	68628	NM_001363	427	Hs.527412	NM_004315	ENSG00000	ASAH1	AC|ACDase	N-acylsph	protein-coding
chr8-3774	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr8	37749756	37753128	+	0	NA	intron (N	intron (N	-3396	NR_003671	728024	Hs.647135	NR_003671		LOC728024	-	chromosom	pseudo
chr9-1124	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-27609	NM_001287	158405	Hs.656619	NM_133465	ENSG00000	KIAA1958	-	KIAA1958	protein-coding
chr9-1228	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-10006	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr9-1314	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	9068	NM_013318	84726	Hs.743955	NM_013318	ENSG00000	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr9-1375	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	3998	NM_138462	116225	Hs.128096	NM_138462	ENSG00000	ZMYND19	MIZIP	zinc fing	protein-coding
chrX-4116	7.905186	0.043194	0.820959	0.052614	0.958039	0.981636	chrX	41168718	41172486	+	0	NA	exon (NM_	exon (NM_	85157	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitin	protein-coding
chr14-311	8.953368	0.042239	0.803439	0.052572	0.958073	0.981636	chr14	31175282	31175623	+	0	NA	intron (N	AluJb|SIN	32341	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr1-2343	4.940915	0.054491	1.037415	0.052525	0.95811	0.981636	chr1	2.34E+08	2.34E+08	+	0	NA	intron (N	FRAM|SINE	5320	NM_001301	388753	Hs.23198	NM_001012	ENSG00000	COA6	C1orf31|C	cytochrom	protein-coding
chr11-730	4.940915	0.054491	1.037415	0.052525	0.95811	0.981636	chr11	73024534	73025079	+	0	NA	intron (N	L1PA13|LI	117512	NM_014824	9873	Hs.744959	NM_014824	ENSG00000	FCHSD2	NWK|NWK1|	FCH and c	protein-coding
chr15-654	4.940915	0.054491	1.037415	0.052525	0.95811	0.981636	chr15	65469808	65471252	+	0	NA	intron (N	AluSq10|S	46744	NM_197960	54878	Hs.458609	NM_017743	ENSG00000	DPP8	DP8|DPRP-	dipeptidy	protein-coding
chr2-8503	4.940915	0.054491	1.037415	0.052525	0.95811	0.981636	chr2	85032701	85033873	+	0	NA	intron (N	intron (N	34060	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA

chr7-1022	4.940915	0.054491	1.037415	0.052525	0.95811	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-56269	NM_020979	10603	Hs.489448	NM_020979	ENSG00000	SH2B2	APS	SH2B adap	protein-coding
chr10-1277	8.193788	-0.04299	0.819623	-0.05246	0.958165	0.981636	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	120643	NM_001039	642938	Hs.613882	NM_001039	ENSG00000	INSYN2A	C10orf141	inhibitor	protein-coding
chr17-402	8.193788	-0.04299	0.819623	-0.05246	0.958165	0.981636	chr17	4020928	4022765	+	0	NA	intron (N	intron (N	44743	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr19-108	8.193788	-0.04299	0.819623	-0.05246	0.958165	0.981636	chr19	10820090	10822429	+	0	NA	intron (N	intron (N	-3763	NR_029586	406976		NR_029586	ENSG00000	MIR199A1	MIR-199-s	microRNA	ncRNA
chr16-224	10.82046	0.03761	0.718022	0.05238	0.958226	0.981636	chr16	22459010	22460294	+	0	NA	intron (N	AluJr|SIN	-21937	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr4-1854	10.82046	0.03761	0.718022	0.05238	0.958226	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	MLT1D|LTR	12999	NM_181726	353322	Hs.508154	NM_181726	ENSG00000	ANKRD37	Lrp2bp	ankyrin r	protein-coding
chr10-125	3.990729	0.059664	1.140328	0.052321	0.958273	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	AluJr4|SI	26642	NM_078469	56647	Hs.370292	NM_016567	ENSG00000	BCCIP	TOK-1|TOK	BRCA2 and	protein-coding
chr7-1392	3.990729	0.059664	1.140328	0.052321	0.958273	0.981636	chr7	13928661	13929407	+	0	NA	intron (N	intron (N	57480	NM_001163	2115	Hs.22634	NM_004956	ENSG00000	ETV1	ER81	ETS varia	protein-coding
chr11-639	8.474346	0.043683	0.835736	0.052269	0.958314	0.981636	chr11	63947846	63948570	+	0	NA	intron (N	MIR3|SINE	8877	NM_001300	79829	Hs.523753	NM_024771	ENSG00000	NAA40	NAT11|Nat	N(alpha)-	protein-coding
chr7-1023	8.474346	0.043683	0.835736	0.052269	0.958314	0.981636	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSx|SIN	9456	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr1-3128	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr1	31287397	31294484	+	0	NA	intron (N	intron (N	5848	NM_004814	9410	Hs.33962	NM_004814	ENSG00000	SNRNP40	40K|HPRP8	small nuc	protein-coding
chr1-3499	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr1	34991737	34992339	+	0	NA	intron (N	intron (N	-6691	NM_001195	1.01E+08	Hs.533986	NM_001195	ENSG00000	TMEM35B	ZMYM6NB	transmemb	protein-coding
chr1-1863	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	AluSx1|SI	7964	NM_017847	54953	Hs.371210	NM_017847	ENSG00000	ODR4	C1orf27|T	odr-4 GPC	protein-coding
chr1-2007	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	AluJr|SIN	43288	NM_001297	23271	Hs.23585	NM_203459	ENSG00000	CAMSAP2	CAMSAP1L1	calmoduli	protein-coding
chr12-519	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr12	51992328	51992547	+	0	NA	intron (N	AluJo|SIN	-14509	NM_181711	160622	Hs.407202	NM_181711	ENSG00000	GRASP	TAMALIN	general r	protein-coding
chr12-535	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr12	53542282	53543390	+	0	NA	TTS (NM_0	TTS (NM_0	28852	NR_046221	1.01E+08	Hs.633602	NR_046221	ENSG00000	LOC100652	-	uncharact	ncRNA
chr12-575	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr12	57526820	57528999	+	0	NA	exon (NM_	exon (NM_	5085	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr17-620	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr17	62050931	62052653	+	0	NA	intron (N	intron (N	13486	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr18-587	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr18	58733210	58734548	+	0	NA	intron (N	intron (N	-62006	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr19-981	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr19	9813344	9814413	+	0	NA	intron (N	AluSp|SIN	5201	NM_001316	54850	Hs.12439	NM_017703	ENSG00000	FBXL12	Fbl12	F-box and	protein-coding
chr2-1829	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	intron (N	43538	NM_013436	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr3-1081	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	THE1D|LTR	31967	NM_018010	55081	Hs.412196	NM_018010	ENSG00000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr5-3940	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr5	39406594	39408744	+	0	NA	intron (N	intron (N	17311	NM_001343	1601	Hs.696631	NM_001343	ENSG00000	DAB2	DOC-2|DOC	DAB adapt	protein-coding
chr7-5758	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr7	5758961	5760624	+	0	NA	intron (N	AluSg|SIN	21871	NM_207111	54476	Hs.487458	NM_019011	ENSG00000	RNF216	CAHH|TRIA	ring fing	protein-coding
chr7-1359	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr7	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	26676	NM_145808	136319	Hs.602015	NM_145808	ENSG00000	MTPN	GCDP|V-1	myotrophi	protein-coding
chr8-2257	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr8	22571030	22572583	+	0	NA	exon (NM_	exon (NM_	6077	NM_001018	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin ar	protein-coding
chr8-3824	8.384209	0.041702	0.800348	0.052105	0.958445	0.981636	chr8	38245156	38248805	+	0	NA	intron (N	intron (N	15027	NM_001164	23259	Hs.434966	NM_015214	ENSG00000	DDHD2	SAMWD1|SP	DDHD doma	protein-coding
chr1-1837	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr1	1837568	1838699	+	0	NA	intron (N	AluSx1|SI	52954	NM_002074	2782	Hs.430425	NM_002074	ENSG00000	GNB1	MRD42	G protein	protein-coding
chr1-2201	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSq|SIN	-18284	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr10-926	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr10	926392	927237	+	0	NA	intron (N	AluSz|SIN	4891	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr12-644	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr12	6445178	6447093	+	0	NA	intron (N	intron (N	1250	NM_001242	939	Hs.355307	NM_001242	ENSG00000	CD27	S152|S152	CD27 mole	protein-coding
chr13-423	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr13	42304954	42305962	+	0	NA	intron (N	MER58B|DN	33306	NM_016248	11215	Hs.105105	NM_016248	ENSG00000	AKAP11	AKAP-11|A	A-kinase	protein-coding
chr13-495	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr13	49556005	49558289	+	0	NA	intron (N	intron (N	28411	NM_001352	55213	Hs.508021	NM_018191	ENSG00000	RCBTB1	CLLD7|CLI	RCC1 and	protein-coding
chr13-113	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	TTS (NM_0	TTS (NM_0	-34208	NR_026580	7027	Hs.79353	NM_007111	ENSG00000	TFDP1	DILC|DP1|	transcrip	protein-coding
chr16-508	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr16	5083958	5086141	+	0	NA	3’ UTR (N	3’ UTR (N	12746	NM_201400	196483	Hs.406461	NM_201400	ENSG00000	EEF2KMT	EFM3|FAM8	eukaryoti	protein-coding
chr16-893	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr16	89309922	89312036	+	0	NA	intron (N	L1M4|LINE	-10154	NM_001242	1E+08	Hs.656995	NM_001242885		LOC100287	-	uncharact	protein-coding
chr17-428	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr17	4288952	4291119	+	0	NA	intron (N	intron (N	-18141	NR_110982	1.03E+08	Hs.741319	NR_110982		LOC103021	-	uncharact	ncRNA
chr18-489	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr18	48947402	48950120	+	0	NA	intron (N	CpG	572	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr19-466	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr19	46677161	46677961	+	0	NA	TTS (NR_0	TTS (NR_0	16083	NR_040041	1.01E+08	Hs.434327	NR_040041	ENSG00000	DACT3-AS1	-	DACT3 ant	ncRNA
chr19-471	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr19	47183145	47184727	+	0	NA	intron (N	intron (N	-43006	NR_036158	1E+08		NR_036158	ENSG00000	MIR3190	mir-3190	microRNA	ncRNA
chr2-9659	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr2	96598003	96599007	+	0	NA	intron (N	intron (N	39486	NR_047658	55683	Hs.516341	NM_017991	ENSG00000	KANSL3	KIAA1310|	KAT8 regu	protein-coding
chr20-336	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr20	3368019	3369493	+	0	NA	intron (N	AluY|SINE	38906	NM_001009	25943	Hs.516853	NM_001009	ENSG00000	C20orf194	-	chromosom	protein-coding
chr22-194	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr22	19458665	19459679	+	0	NA	intron (N	intron (N	-10940	NM_173793	128977	Hs.659565	NM_173793	ENSG00000	C22orf39	-	chromosom	protein-coding
chr4-2541	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr4	25411355	25412981	+	0	NA	intron (N	MER21C|LT	34905	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-4193	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr4	41939331	41940287	+	0	NA	intron (N	intron (N	4380	NM_018126	55161	Hs.31082	NM_018126	ENSG00000	TMEM33	1600019D1	transmemb	protein-coding
chr4-5705	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr4	57055354	57056585	+	0	NA	intron (N	intron (N	-53793	NR_034081	255130	Hs.691061	NR_034081	ENSG00000	IGFBP7-AS	-	IGFBP7 ar	ncRNA
chr4-1054	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	38832	NM_176869	27068	Hs.654957	NM_006903	ENSG00000	PPA2	HSPC124|S	pyrophosp	protein-coding
chr5-7893	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr5	7893898	7896700	+	0	NA	intron (N	intron (N	26151	NR_134482	4552	Hs.481551	NM_002454	ENSG00000	MTRR	MSR|cblE	5-methylt	protein-coding
chr5-3587	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr5	35870607	35871305	+	0	NA	intron (N	MLT1J1|LT	14065	NM_002185	3575	Hs.591742	NM_002185	ENSG00000	IL7R	CD127|CDW	interleuk	protein-coding
chr5-1729	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	L1ME3G|LI	-21493	NM_001317	51121	Hs.546390	NM_016093	ENSG00000	RPL26L1	RPL26P1	ribosomal	protein-coding
chr6-1664	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr6	1.66E+08	1.66E+08	+	0	NA	intron (N	L1ME3G|LI	-21794	NR_046793	1.01E+08	Hs.675698	NR_046793	ENSG00000	RPS6KA2-I	-	RPS6KA2 i	ncRNA
chr8-1709	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr8	17098281	17099099	+	0	NA	intron (N	intron (N	-57792	NM_016353	51201	Hs.728241	NM_016353	ENSG00000	ZDHHC2	DHHC2|ZNF	zinc fing	protein-coding
chr8-1794	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr8	17940607	17941577	+	0	NA	intron (N	intron (N	18104	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr9-7207	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chr9	720752	722180	+	0	NA	intron (N	LTR49-int	14789	NM_001354	23189	Hs.306764	NM_015158	ENSG00000	KANK1	ANKRD15|C	KN motif	protein-coding
chrX-1014	5.947958	0.048755	0.93718	0.052023	0.95851	0.981636	chrX	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSq2|SI	4560	NM_000169	2717	Hs.69089	NM_000169	ENSG00000	GLA	GALA	galactosi	protein-coding
chr4-5202	8.582673	-0.04215	0.810318	-0.05201	0.958518	0.981636	chr4	52023909	52024257	+	0	NA	exon (NM_	exon (NM_	-3720	NM_001024	339977	Hs.661450	NM_001024	ENSG00000	LRRC66	-	leucine r	protein-coding
chr10-969	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr10	96928310	96929439	+	0	NA	intron (N	Tigger1|D	95929	NM_032440	84458	Hs.427927	NM_015652	ENSG00000	LCOR	C10orf12|	ligand de	protein-coding
chr13-196	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr13	19642951	19643791	+	0	NA	intron (N	AluJr|SIN	9712	NM_017520	54737	Hs.269654	NM_017520	ENSG00000	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr14-999	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr14	99942296	99942829	+	0	NA	TTS (NM_0	TTS (NM_0	-28860	NM_001330	51466	Hs.125867	NM_016337	ENSG00000	EVL	RNB6	Enah/Vasp	protein-coding
chr2-2008	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	12929	NM_001207	9689	Hs.355983	NM_014670	ENSG00000	BZW1	BZAP45|Nb	basic leu	protein-coding
chr2-2067	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr2	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	6301	NM_001136	22868	Hs.5930	NM_014929	ENSG00000	FASTKD2	KIAA0971	FAST kina	protein-coding
chr3-3312	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr3	33124333	33127056	+	0	NA	intron (N	L1MC5|LIN	11736	NM_006371	10491	Hs.517888	NM_006371	ENSG00000	CRTAP	CASP|LEPR	cartilage	protein-coding
chr3-5814	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr3	58142129	58143960	+	0	NA	intron (N	intron (N	27591	NR_135534	1.05E+08	Hs.613914	NR_135534	ENSG00000	FLNB-AS1	-	FLNB anti	ncRNA
chr8-1030	7.650052	-0.04366	0.839642	-0.052	0.958527	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	42254	NM_001695	528	Hs.86905	NM_001695	ENSG00000	ATP6V1C1	ATP6C|ATP	ATPase H+	protein-coding
chr13-102	8.433206	0.041862	0.808425	0.051782	0.958702	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	HERVK22-i	25959	NM_001010	196541	Hs.508623	NM_001010	ENSG00000	METTL21C	C13orf39	methyltra	protein-coding
chr10-977	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr10	97739616	97742306	+	0	NA	intron (N	intron (N	2484	NM_001002	118813	Hs.744075	NM_144588	ENSG00000	ZFYVE27	PROTRUDIN	zinc fing	protein-coding
chr12-114	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	2256	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr12-118	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	19979	NM_007370	5985	Hs.731908	NM_007370	ENSG00000	RFC5	RFC36	replicati	protein-coding
chr13-110	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSp|SIN	9144	NM_018210	55739	Hs.408324	NM_018210	ENSG00000	NAXD	CARKD|LP3	NAD(P)HX	protein-coding
chr2-1311	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr2	1.31E+08	1.31E+08	+	0	NA	intron (N	L1MD3|LIN	28634	NM_001309	55041	Hs.469944	NM_017958	ENSG00000	PLEKHB2	EVT2	pleckstri	protein-coding
chr2-2153	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	30274	NM_004044	471	Hs.90280	NM_004044	ENSG00000	ATIC	AICAR|AIC	5-aminoim	protein-coding
chr20-586	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr20	58661478	58662500	+	0	NA	intron (N	intron (N	10706	NM_001134	8675	Hs.307913	NM_003763	ENSG00000	STX16	SYN16	syntaxin	protein-coding
chr21-439	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr21	43981221	43982133	+	0	NA	intron (N	intron (N	-30632	NM_003274	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr3-1680	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr3	1.68E+08	1.68E+08	+	0	NA	intron (N	L1PA2|LIN	81555	NM_014498	27333	Hs.143600	NM_014498	ENSG00000	GOLIM4	GIMPC|GOL	golgi int	protein-coding
chr8-2663	7.699049	-0.04322	0.834768	-0.05177	0.95871	0.981636	chr8	26633962	26635341	+	0	NA	intron (N	intron (N	56246	NM_001244	1808	Hs.593187	NM_001386	ENSG00000	DPYSL2	CRMP-2|CR	dihydropy	protein-coding
chr12-124	7.954184	0.043344	0.837506	0.051754	0.958725	0.981636	chr12	1.25E+08	1.25E+08	+	0	NA	intron (N	AluY|SINE	12317	NM_032656	57647	Hs.107382	NM_032656	ENSG00000	DHX37	DDX37|Dhr	DEAH-box	protein-coding
chr13-113	7.954184	0.043344	0.837506	0.051754	0.958725	0.981636	chr13	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-23108	NR_107042	1.02E+08		NR_107042	ENSG00000	MIR8075	hsa-mir-8	microRNA	ncRNA
chr19-357	7.954184	0.043344	0.837506	0.051754	0.958725	0.981636	chr19	35767582	35767781	+	0	NA	exon (NM_	exon (NM_	-7883	NM_052948	115703	Hs.515364	NM_052948	ENSG00000	ARHGAP33	NOMA-GAP|	Rho GTPas	protein-coding
chr7-1405	7.954184	0.043344	0.837506	0.051754	0.958725	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-43890	NR_117084	23608	Hs.744883	NM_013446	ENSG00000	MKRN1	RNF61	makorin r	protein-coding
chr10-749	9.118551	-0.03996	0.772341	-0.05174	0.958737	0.981636	chr10	74975292	74976818	+	0	NA	exon (NM_	exon (NM_	-45678	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr13-951	9.118551	-0.03996	0.772341	-0.05174	0.958737	0.981636	chr13	95177537	95179273	+	0	NA	intron (N	intron (N	-31939	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr20-344	9.118551	-0.03996	0.772341	-0.05174	0.958737	0.981636	chr20	34464336	34464822	+	0	NA	intron (N	AluSp|SIN	-1746	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr5-1264	9.118551	-0.03996	0.772341	-0.05174	0.958737	0.981636	chr5	1.26E+08	1.26E+08	+	0	NA	intron (N	L1PA13|LI	5670	NM_001349	65983	Hs.363558	NM_023927	ENSG00000	GRAMD2B	GRAMD3|NS	GRAM doma	protein-coding
chr10-151	7.377167	0.044561	0.861509	0.051724	0.958749	0.981636	chr10	15129700	15130482	+	0	NA	intron (N	intron (N	25256	NR_036506	1E+08	Hs.714691	NR_036506	ENSG00000	PPIAP30	-	peptidylp	pseudo
chr3-1720	7.377167	0.044561	0.861509	0.051724	0.958749	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	4193	NM_001135	64778	Hs.744888	NM_022763	ENSG00000	FNDC3B	FAD104|PR	fibronect	protein-coding
chr4-1221	7.377167	0.044561	0.861509	0.051724	0.958749	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	MER58A|DN	16149	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-7153	7.377167	0.044561	0.861509	0.051724	0.958749	0.981636	chr5	71534405	71535804	+	0	NA	intron (N	L1MB7|LIN	-52236	NM_022132	64087	Hs.604789	NM_022132	ENSG00000	MCCC2	MCCB	methylcro	protein-coding
chr16-131	8.912229	0.040543	0.78395	0.051716	0.958755	0.981636	chr16	1314855	1322064	+	0	NA	intron (N	intron (N	8823	NM_003345	7329	Hs.302903	NM_003345	ENSG00000	UBE2I	C358B7.1|	ubiquitin	protein-coding
chr19-152	8.912229	0.040543	0.78395	0.051716	0.958755	0.981636	chr19	15243317	15244736	+	0	NA	intron (N	intron (N	-10979	NM_001142	79852	Hs.156457	NM_024794	ENSG00000	EPHX3	ABHD9|EH3	epoxide h	protein-coding
chr3-1238	8.912229	0.040543	0.78395	0.051716	0.958755	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MEc|LIN	44813	NM_053026	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr5-1772	8.912229	0.040543	0.78395	0.051716	0.958755	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	12684	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr6-8551	8.912229	0.040543	0.78395	0.051716	0.958755	0.981636	chr6	85511757	85513129	+	0	NA	intron (N	AluSx|SIN	62360	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nucleo	protein-coding
chr4-3931	7.475162	0.04504	0.872503	0.051621	0.958831	0.981636	chr4	39311262	39312215	+	0	NA	intron (N	intron (N	54624	NM_001204	5981	Hs.507475	NM_002913	ENSG00000	RFC1	A1|CANVAS	replicati	protein-coding
chr1-2402	9.391251	0.03935	0.763164	0.051561	0.958878	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	exon (NM_	exon (NM_	115320	NM_020066	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr14-754	9.391251	0.03935	0.763164	0.051561	0.958878	0.981636	chr14	75469700	75472811	+	0	NA	3’ UTR (N	3’ UTR (N	39121	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr2-2417	9.391251	0.03935	0.763164	0.051561	0.958878	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	intron (N	10498	NM_001287	728294	Hs.516813	NM_152783	ENSG00000	D2HGDH	D2HGD	D-2-hydro	protein-coding
chr22-314	9.391251	0.03935	0.763164	0.051561	0.958878	0.981636	chr22	31453510	31456143	+	0	NA	intron (N	intron (N	34730	NM_001164	56478	Hs.517559	NM_019843	ENSG00000	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr17-135	8.863231	0.040344	0.782852	0.051535	0.958899	0.981636	chr17	13567198	13567704	+	0	NA	intron (N	Tigger1|D	-23805	NR_031679	1E+08		NR_031679	ENSG00000	MIR548H3	MIR548H-3	microRNA	ncRNA
chr22-311	8.863231	0.040344	0.782852	0.051535	0.958899	0.981636	chr22	31183739	31184566	+	0	NA	intron (N	SVA_B|Ret	23970	NR_024209	91445	Hs.517553	NM_152267	ENSG00000	RNF185	-	ring fing	protein-coding
chr5-1339	8.863231	0.040344	0.782852	0.051535	0.958899	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	non-codin	non-codin	3845	NR_134247	1.05E+08	Hs.543907	NR_134247		LOC105379	-	uncharact	ncRNA
chr8-2545	8.863231	0.040344	0.782852	0.051535	0.958899	0.981636	chr8	25451519	25453568	+	0	NA	intron (N	MER5A|DNA	5890	NM_017634	54793	Hs.72071	NM_017634	ENSG00000	KCTD9	BTBD27	potassium	protein-coding
chr11-351	9.069553	-0.04056	0.788372	-0.05144	0.958973	0.981636	chr11	35191499	35191934	+	0	NA	intron (N	intron (N	28766	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr1-1013	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	10138214	10139323	+	0	NA	intron (N	L1M5|LINE	-71802	NM_183416	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-6249	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	62493639	62495697	+	0	NA	intron (N	intron (N	57619	NM_003368	7398	Hs.35086	NM_003368	ENSG00000	USP1	UBP	ubiquitin	protein-coding
chr1-6667	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	66670912	66671630	+	0	NA	intron (N	intron (N	42831	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1035	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	-13913	NM_020978	280	Hs.484588	NM_020978	ENSG00000	AMY2B	AMY2|AMY3	amylase a	protein-coding
chr1-1499	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-26983	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr1-1971	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	intron (N	-24599	NM_001206	259266	Hs.121028	NM_018136	ENSG00000	ASPM	ASP|Calmb	abnormal	protein-coding
chr10-834	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr10	834243	835721	+	0	NA	intron (N	AluSx|SIN	96723	NM_001351	23185	Hs.159069	NM_015155	ENSG00000	LARP4B	KIAA0217|	La ribonu	protein-coding
chr10-925	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr10	92534293	92536184	+	0	NA	intron (N	AluYm1|SI	-37477	NM_001165	3416	Hs.500546	NM_004969	ENSG00000	IDE	INSULYSIN	insulin d	protein-coding
chr11-110	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr11	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	24949	NM_001260	5962	Hs.263671	NM_002906	ENSG00000	RDX	DFNB24	radixin	protein-coding
chr12-163	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr12	1638405	1641025	+	0	NA	exon (NM_	exon (NM_	10484	NM_032642	81029	Hs.306051	NM_030775	ENSG00000	WNT5B	-	Wnt famil	protein-coding
chr12-423	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr12	42398754	42400129	+	0	NA	3’ UTR (N	3’ UTR (N	67643	NM_001364	51535	Hs.444157	NM_016488	ENSG00000	PPHLN1	CR|HSPC20	periphili	protein-coding
chr12-565	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr12	56554706	56556694	+	0	NA	intron (N	AluJr|SIN	33880	NM_002898	5939	Hs.505729	NM_002898	ENSG00000	RBMS2	SCR3	RNA bindi	protein-coding
chr13-771	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr13	77171919	77173014	+	0	NA	intron (N	L2a|LINE|	96952	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr14-346	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr14	34626437	34628543	+	0	NA	intron (N	AluSq2|SI	2658	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting n	protein-coding
chr14-350	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr14	35000326	35001386	+	0	NA	intron (N	intron (N	17864	NM_003136	6729	Hs.167535	NM_003136	ENSG00000	SRP54	-	signal re	protein-coding
chr14-498	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr14	49807318	49808902	+	0	NA	intron (N	L1MB7|LIN	39957	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr15-282	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr15	28265695	28266609	+	0	NA	intron (N	intron (N	56000	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr15-626	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr15	62694002	62696324	+	0	NA	intron (N	intron (N	47852	NM_015059	83660	Hs.569438	NM_015059	ENSG00000	TLN2	ILWEQ	talin 2	protein-coding
chr15-801	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr15	80158371	80158967	+	0	NA	intron (N	intron (N	5670	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr16-532	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr16	53254729	53255403	+	0	NA	intron (N	AluJo|SIN	46615	NM_001352	80205	Hs.59159	NM_015287	ENSG00000	CHD9	AD013|CHD	chromodom	protein-coding
chr16-896	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr16	89679039	89679790	+	0	NA	Intergeni	MER4-int|	-7275	NM_052988	8558	Hs.699177	NM_003674	ENSG00000	CDK10	ALSAS|PIS	cyclin de	protein-coding

chr17-286	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr17	28650538	28652602	+	0	NA	intron (N	MIRb|SINE	-6411	NM_001363	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr17-350	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr17	35026361	35026767	+	0	NA	intron (N	intron (N	37143	NM_001017	117584	Hs.13680	NM_057178	ENSG00000	RFFL	CARP-2|CA	ring fing	protein-coding
chr17-372	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr17	37250278	37251829	+	0	NA	intron (N	AluY|SINE	6252	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr17-387	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr17	38793491	38796461	+	0	NA	intron (N	AluSx1|SI	4929	NM_003559	8396	Hs.260603	NM_003559	ENSG00000	PIP4K2B	PI5P4KB|F	phosphati	protein-coding
chr17-602	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr17	60201782	60203887	+	0	NA	intron (N	MLT1C|LTR	28811	NR_002999	677681		NR_002999	ENSG00000	SCARNA20	ACA66	small Ca	ncRNA
chr18-294	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr18	2945601	2946868	+	0	NA	non-codir	non-codir	389	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr18-577	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr18	57700021	57703594	+	0	NA	intron (N	AluSx|SIN	71476	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-369	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr19	36910790	36911755	+	0	NA	intron (N	AluSz|SIN	4767	NM_001171	374899	Hs.720312	NM_001037	ENSG00000	ZNF829	-	zinc fing	protein-coding
chr19-435	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr19	43552649	43554251	+	0	NA	exon (NM_	exon (NM_	20262	NM_174945	284346	Hs.213534	NM_174945	ENSG00000	ZNF575	-	zinc fing	protein-coding
chr2-1214	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	AluJo|SIN	-121652	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBF	transcrip	protein-coding
chr2-1620	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	50462	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr22-425	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr22	42572275	42575244	+	0	NA	non-codir	non-codir	8252	NR_002184	91695	Hs.534041	NR_002184	ENSG00000	RRP7BP	RRP7B|dJ2	ribosomal	pseudo
chr3-1499	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr3	1.5E+08	1.5E+08	+	0	NA	intron (N	L1MCa|LIN	19913	NM_002628	5217	Hs.91747	NM_002628	ENSG00000	PFN2	D3S1319E|	profilin	protein-coding
chr4-1760	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr4	17606468	17608846	+	0	NA	3’ UTR (N	3’ UTR (N	-6984	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr4-1690	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	-86545	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr6-1167	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr6	1.17E+08	1.17E+08	+	0	NA	intron (N	L1MB5|LIN	33778	NM_001366	3841	Hs.182971	NM_002269	ENSG00000	KPNA5	IPOA6|SRP	karyopher	protein-coding
chr6-1597	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-2724	NM_173516	154197	Hs.349077	NM_173516	ENSG00000	PNLDC1	HsPNLDC1	PARN like	protein-coding
chr7-1557	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	57657	NM_053043	155435	Hs.591815	NM_053043	ENSG00000	RBM33	PRR8	RNA bindi	protein-coding
chr8-5393	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr8	53930899	53932330	+	0	NA	intron (N	L1PA7|LIN	50742	NR_104578	8601	Hs.368733	NM_003702	ENSG00000	RGS20	RGSZ1|ZGA	regulator	protein-coding
chr8-1250	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	40673	NM_003129	6713	Hs.71465	NM_003129	ENSG00000	SQLE	-	squalene	protein-coding
chr9-2691	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr9	26910037	26911435	+	0	NA	intron (N	AluJb|SIN	-17908	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr9-1090	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSz|SIN	29692	NM_032012	23731	Hs.308074	NM_032012	ENSG00000	TMEM245	C9orf5|CG	transmemb	protein-coding
chr9-1207	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	15481	NM_012164	26190	Hs.494985	NM_012164	ENSG00000	FBXW2	FBW2|Fwd2	F-box anc	protein-coding
chr9-1208	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	10958	NR_104601	26147	Hs.460124	NM_015651	ENSG00000	PHF19	MTF2L1|PC	PHD finge	protein-coding
chr9-1278	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	7078	NM_001278	2022	Hs.76753	NM_000118	ENSG00000	ENG	END|HHT1|	endoglin	protein-coding
chrX-4798	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chrX	47987483	47989474	+	0	NA	intron (N	MSTB|LTR|	15511	NM_006962	7569	Hs.189690	NM_006962	ENSG00000	ZNF182	HHZ150|KC	zinc fing	protein-coding
chrX-5362	6.42698	0.046447	0.903742	0.051394	0.959012	0.981636	chrX	53624188	53630495	+	0	NA	intron (N	Tigger20a	59378	NM_031407	10075	Hs.136905	NM_031407	ENSG00000	HUWE1	ARF-BP1|H	HECT, UBA	protein-coding
chr1-6654	9.870273	0.038255	0.745402	0.051322	0.959069	0.981636	chr1	66547665	66547870	+	0	NA	intron (N	L2a|LINE|	13614	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr18-293	9.870273	0.038255	0.745402	0.051322	0.959069	0.981636	chr18	2930598	2931388	+	0	NA	intron (N	intron (N	15630	NR_026659	727896	Hs.673126	NR_026659		LOC727896	-	cysteine	pseudo
chr12-100	5.419938	0.051265	0.999194	0.051306	0.959081	0.981636	chr12	1E+08	1E+08	+	0	NA	intron (N	AluSz6|SI	9814	NR_048568	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr17-539	5.419938	0.051265	0.999194	0.051306	0.959081	0.981636	chr17	5392392	5394365	+	0	NA	intron (N	AluJr|SIN	-26263	NM_001160	84268	Hs.462086	NM_032308	ENSG00000	RPAIN	HRIP|RIP	RPA inter	protein-coding
chr6-8721	5.419938	0.051265	0.999194	0.051306	0.959081	0.981636	chr6	87216878	87217908	+	0	NA	intron (N	intron (N	61828	NM_015021	23036	Hs.444800	NM_015021	ENSG00000	ZNF292	Nbla00365	zinc fing	protein-coding
chr6-1175	5.419938	0.051265	0.999194	0.051306	0.959081	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	43100	NM_001366	285761	Hs.658304	NM_173674	ENSG00000	DCBLD1	dJ94G16.1	discoidir	protein-coding
chr7-1030	5.419938	0.051265	0.999194	0.051306	0.959081	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	L1ME4a|LI	22335	NM_001161	83787	Hs.287412	NM_031905	ENSG00000	ARMC10	PNAS-112|	armadillo	protein-coding
chr10-225	4.469751	0.055152	1.075785	0.051266	0.959113	0.981636	chr10	22539091	22539793	+	0	NA	intron (N	intron (N	-101513	NR_036533	1E+08	Hs.7444	NR_036533		LOC100499	-	uncharact	ncRNA
chr1-4099	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr1	40995382	40999747	+	0	NA	intron (N	intron (N	9045	NM_001301	1503	Hs.473087	NM_001905	ENSG00000	CTPS1	CTPS|GATD	CTP synth	protein-coding
chr12-131	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	9774	NM_004592	6433	Hs.308171	NM_004592	ENSG00000	SFSWAP	SFRS8|SWA	splicing	protein-coding
chr13-771	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr13	77168316	77168657	+	0	NA	exon (NM_	exon (NM_	92972	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 ar	ncRNA
chr15-282	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr15	28210172	28210889	+	0	NA	intron (N	(TACA)n|S	-111215	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr16-864	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr16	86494573	86497424	+	0	NA	intron (N	intron (N	12862	NR_033925	400550	Hs.448825	NR_033925	ENSG00000	FENDRR	FOXF1-AS1	FOXF1 adj	ncRNA
chr17-307	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr17	30735967	30736729	+	0	NA	intron (N	SVA_F|Ret	26740	NR_144395	440423	Hs.628886	NR_024187		SUZ12P1	SUZ12P	SUZ12 pse	pseudo
chr2-1125	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-12411	NM_001137	84172	Hs.745127	NM_019014	ENSG00000	POLR1B	RPA135|RP	RNA polym	protein-coding
chr2-1139	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	HAL1|LINE	-23772	NR_148507	440900	Hs.662205	NR_034128	ENSG00000	LINC01191	VIN|lnc-A	long inte	ncRNA
chr2-1864	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr2	1.86E+08	1.86E+08	+	0	NA	intron (N	L1ME3G|LI	9547	NM_018471	55854	Hs.741180	NM_018471	ENSG00000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr20-379	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr20	37998101	37999114	+	0	NA	intron (N	MIRc|SINE	34849	NM_001303	9675	Hs.655481	NM_014657	ENSG00000	TTI1	KIAA0406|	TELO2 int	protein-coding
chr20-385	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr20	38573842	38574590	+	0	NA	exon (NM_	exon (NM_	-6981	NR_130907	149685	Hs.368028	NM_174906	ENSG00000	ADIG	SMAF1	adipogeni	protein-coding
chr3-3736	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr3	37367275	37367965	+	0	NA	TTS (NM_C	TTS (NM_C	-18649	NM_178344	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr5-1772	8.136932	-0.04169	0.813248	-0.05126	0.959117	0.981636	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	41241	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr1-1707	6.717431	-0.04589	0.895829	-0.05122	0.959147	0.981636	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	58669	NM_006902	5396	Hs.283416	NM_006902	ENSG00000	PRRX1	AGOTC|PHO	paired re	protein-coding
chr17-786	6.717431	-0.04589	0.895829	-0.05122	0.959147	0.981636	chr17	78699985	78700861	+	0	NA	exon (NM_	exon (NM_	16609	NM_001292	9267	Hs.191215	NM_004762	ENSG00000	CYTH1	B2-1|CYTO	cytohesir	protein-coding
chr2-5525	6.717431	-0.04589	0.895829	-0.05122	0.959147	0.981636	chr2	55252516	55253434	+	0	NA	intron (N	intron (N	16204	NM_001005	4528	Hs.149894	NM_002453	ENSG00000	MTIF2	-	mitochonc	protein-coding
chr6-1366	6.717431	-0.04589	0.895829	-0.05122	0.959147	0.981636	chr6	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	59817	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr7-9038	6.717431	-0.04589	0.895829	-0.05122	0.959147	0.981636	chr7	90385029	90385404	+	0	NA	3’ UTR (N	3’ UTR (N	-11076	NR_102424	1.01E+08		NR_102424		LOC101409	-	cell divi	pseudo
chr11-777	9.605431	-0.03859	0.757655	-0.05094	0.959377	0.981636	chr11	77763109	77764430	+	0	NA	intron (N	L2b|LINE|	57065	NM_016578	51773	Hs.420229	NM_016578	ENSG00000	RSF1	HBXAP|RSF	remodelir	protein-coding
chr16-295	9.605431	-0.03859	0.757655	-0.05094	0.959377	0.981636	chr16	29552069	29552950	+	0	NA	intron (N	intron (N	42583	NR_135305	440354	Hs.552700	NR_002473		SMG1P2	-	SMG1 pseu	pseudo
chr1-1800	9.556433	-0.03916	0.769784	-0.05087	0.959429	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	87206	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-5387	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr1	53877444	53878171	+	0	NA	intron (N	intron (N	11990	NR_036640	54432	Hs.11923	NM_018982	ENSG00000	YIPF1	DJ167A19.	Yip1 doma	protein-coding
chr13-950	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr13	95040086	95044349	+	0	NA	intron (N	L2|LINE|L	82176	NR_047487	1.01E+08	Hs.48706	NR_047487	ENSG00000	LINC00557	-	long inte	ncRNA
chr15-286	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr15	28670758	28675229	+	0	NA	intron (N	intron (N	18551	NR_036443	440248	Hs.531509	NM_199045	ENSG00000	HERC2P9	-	hect doma	pseudo
chr15-309	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr15	30951603	30953164	+	0	NA	intron (N	AluJr4|SI	39245	NM_017762	54893	Hs.30141	NM_017762	ENSG00000	MTMR10	-	myotubula	protein-coding
chr16-899	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr16	89929660	89936292	+	0	NA	intron (N	intron (N	9634	NM_006086	10381	Hs.511743	NM_006086	ENSG00000	TUBB3	CDCBM|CDC	tubulin b	protein-coding
chr2-3443	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr2	3443943	3447219	+	0	NA	intron (N	MIR|SINE|	65887	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr2-1717	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	56731	NM_001320	1781	Hs.546250	NM_001378	ENSG00000	DYNC1I2	DIC74|DNC	dynein cy	protein-coding
chr21-459	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr21	45982293	46005255	+	0	NA	intron (N	intron (N	12025	NM_001848	1291	Hs.474053	NM_001848	ENSG00000	COL6A1	BTHLM1|OF	collagen	protein-coding
chr6-7363	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr6	73638490	73640255	+	0	NA	intron (N	intron (N	14620	NM_012434	26503	Hs.597422	NM_012434	ENSG00000	SLC17A5	AST|ISSD|	solute ca	protein-coding
chr9-9356	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr9	93560982	93563906	+	0	NA	intron (N	MIRb|SINE	-14140	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr9-1370	8.18593	-0.04126	0.812366	-0.05079	0.959492	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	intron (N	3585	NM_207309	91373	Hs.142076	NM_207309	ENSG00000	UAP1L1	-	UDP-N-ace	protein-coding
chr3-1270	6.475977	0.046728	0.920435	0.050767	0.959511	0.981636	chr3	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	34845	NM_032242	5361	Hs.432329	NM_032242	ENSG00000	PLXNA1	NOV|NOVP|	plexin A1	protein-coding
chr1-1923	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr1	19233230	19235329	+	0	NA	intron (N	L2a|LINE|	17245	NM_001271	23065	Hs.439200	NM_015047	ENSG00000	EMC1	CAVIPMR|K	ER membra	protein-coding
chr1-2209	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr1	22090814	22092195	+	0	NA	TTS (NM_C	TTS (NM_C	38795	NM_044472	998	Hs.467637	NM_001791	ENSG00000	CDC42	CDC42Hs|G	cell divi	protein-coding
chr1-4028	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr1	40281341	40283002	+	0	NA	intron (N	L2c|LINE|	23935	NM_005857	10269	Hs.132642	NM_005857	ENSG00000	ZMPSTE24	FACE-1|FA	zinc meta	protein-coding
chr1-2309	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	AluJo|SIN	11763	NM_001346	64801	Hs.275736	NM_022786	ENSG00000	ARV1	EIEE38	ARV1 homo	protein-coding
chr10-124	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr10	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	8952	NM_001363	1488	Hs.501345	NM_001329	ENSG00000	CTBP2	-	C-termina	protein-coding
chr11-739	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr11	73921591	73922449	+	0	NA	intron (N	intron (N	-28299	NM_153614	374407	Hs.567888	NM_153614	ENSG00000	DNAJB13	CILD34|RS	DnaJ heat	protein-coding
chr11-123	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSx4|SI	-30694	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-557	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr12	55762331	55763395	+	0	NA	intron (N	intron (N	19741	NM_005811	10220	Hs.600883	NM_005811	ENSG00000	GDF11	BMP-11|BM	growth di	protein-coding
chr12-640	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr12	64072361	64074262	+	0	NA	intron (N	intron (N	148985	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr13-326	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr13	32673738	32675030	+	0	NA	intron (N	intron (N	87932	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr13-524	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr13	52423876	52425694	+	0	NA	intron (N	AluSx1|SI	-18613	NM_199263	55901	Hs.325667	NM_018676	ENSG00000	THSD1	TMTSP|UNG	thrombosp	protein-coding
chr14-777	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr14	77710438	77712687	+	0	NA	intron (N	AluJb|SIN	3459	NR_052025	81892	Hs.655105	NM_031210	ENSG00000	SLIRP	C14orf156	SRA stem-	protein-coding
chr15-809	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr15	80950885	80952203	+	0	NA	3’ UTR (N	3’ UTR (N	38275	NR_126328	23184	Hs.578450	NM_015154	ENSG00000	MESD	BOCA|MESD	mesoderm	protein-coding
chr17-189	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr17	1895002	1896366	+	0	NA	intron (N	(TATT)n|S	65679	NM_001355	6117	Hs.461925	NM_002945	ENSG00000	RPA1	HSSB|MSTO	replicati	protein-coding
chr17-376	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr17	37630793	37631493	+	0	NA	intron (N	intron (N	12303	NM_001291	11056	Hs.590937	NM_007010	ENSG00000	DDX52	HUSSY19|F	DExD-box	protein-coding
chr18-587	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr18	58735790	58737003	+	0	NA	intron (N	Charlie15	-64523	NM_001289	1.02E+08	Hs.644875	NM_001289967		LOC101927	-	uncharact	protein-coding
chr2-3650	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr2	36503704	36506957	+	0	NA	intron (N	MER6|DNA|	92838	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-6077	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr2	60771603	60773365	+	0	NA	intron (N	AluSx|SIN	16216	NM_022894	64895	Hs.387471	NM_022894	ENSG00000	PAPOLG	-	poly(A) p	protein-coding
chr2-8646	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr2	86460356	86462887	+	0	NA	intron (N	L2a|LINE|	20160	NM_001146	55818	Hs.557425	NM_018433	ENSG00000	KDM3A	JHDM2A|JH	lysine de	protein-coding
chr2-1590	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	35426	NR_146421	85461	Hs.61590	NM_033394	ENSG00000	TANC1	ROLSB|TAN	tetratric	protein-coding
chr2-1600	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	50371	NM_001007	22925	Hs.410477	NM_007366	ENSG00000	PLA2R1	CLEC13C|P	phospholi	protein-coding
chr3-1183	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr3	11837615	11839297	+	0	NA	intron (N	AluSz|SIN	8429	NM_001321	132001	Hs.475472	NM_138807	ENSG00000	TAMM41	C3orf31|F	TAM41 mit	protein-coding
chr3-1524	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr3	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-74312	NR_132656	645843	Hs.632562	NM_001123	ENSG00000	TMEM14EP	TMEM14E	transmemb	pseudo
chr3-1856	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	L1ME4a|LI	-47062	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr4-1076	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA4|LIN	47746	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr4-1480	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	TTS (NM_C	TTS (NM_C	290784	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr6-1658	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr6	16583319	16583915	+	0	NA	intron (N	intron (N	176567	NR_152114	6310	Hs.434961	NM_000332	ENSG00000	ATXN1	ATX1|D6S5	ataxin 1	protein-coding
chr6-4723	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr6	47234023	47234784	+	0	NA	intron (N	intron (N	75502	NM_014452	27242	Hs.443577	NM_014452	ENSG00000	TNFRSF21	BM-018|CD	TNF recep	protein-coding
chr6-5389	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr6	53899980	53900320	+	0	NA	intron (N	AluY|SINE	-29832	NR_125842	1.02E+08	Hs.453592	NR_125842	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-7348	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr7	73481038	73482341	+	0	NA	intron (N	intron (N	40604	NM_032408	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-1041	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr7	1.04E+08	1.04E+08	+	0	NA	intron (N	MSTA|LTR|	18932	NM_002553	5001	Hs.432948	NM_002553	ENSG00000	ORC5	ORC5L|ORC	origin re	protein-coding
chr8-5405	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr8	54055915	54057563	+	0	NA	intron (N	AluSc|SIN	-34291	NR_109901	6917	Hs.491745	NM_006756	ENSG00000	TCEA1	GTF2S|SII	transcrip	protein-coding
chr8-8645	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr8	86452629	86453491	+	0	NA	intron (N	L1MB2|LIN	55626	NM_016033	51115	Hs.145386	NM_016033	ENSG00000	RMDN1	CGI-90|FA	regulator	protein-coding
chr9-8900	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr9	89002318	89003621	+	0	NA	3’ UTR (N	3’ UTR (N	11501	NM_005226	1903	Hs.585118	NM_005226	ENSG00000	S1PR3	EDG-3|EDG	sphingosi	protein-coding
chr9-1242	6.906002	0.044442	0.876179	0.050723	0.959546	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-9795	NR_149024	613206	Hs.197071	NM_001033	ENSG00000	LOC613206	-	uncharact	ncRNA
chr10-498	6.955	0.04469	0.881623	0.05069	0.959572	0.981636	chr10	49856461	49857425	+	0	NA	intron (N	AluSp|SIN	85084	NR_136753	8505	Hs.535298	NM_003631	ENSG00000	PARG	PARG99	poly(ADP-	protein-coding
chr19-103	6.955	0.04469	0.881623	0.05069	0.959572	0.981636	chr19	10378181	10378849	+	0	NA	intron (N	intron (N	2057	NM_003331	7297	Hs.75516	NM_003331	ENSG00000	TYK2	IMD35|JTK	tyrosine	protein-coding
chr19-541	6.955	0.04469	0.881623	0.05069	0.959572	0.981636	chr19	54178440	54179432	+	0	NA	exon (NM_	exon (NM_	-5776	NM_001145	147798	Hs.355126	NM_144686	ENSG00000	TMC4	-	transmemb	protein-coding
chr2-1209	6.955	0.04469	0.881623	0.05069	0.959572	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	194376	NM_005270	2736	Hs.111867	NM_005270	ENSG00000	GLI2	CJS|HPE9|	GLI famil	protein-coding
chr9-8935	6.955	0.04469	0.881623	0.05069	0.959572	0.981636	chr9	89357316	89358144	+	0	NA	intron (N	intron (N	38879	NM_001282	79048	Hs.59804	NM_024077	ENSG00000	SECISBP2	SBP2	SECIS bir	protein-coding
chr1-4274	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr1	42746513	42747726	+	0	NA	exon (NM_	exon (NM_	-6865	NM_001185	149461	Hs.496270	NM_148960	ENSG00000	CLDN19	HOMG5	claudin 1	protein-coding
chr1-5516	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr1	55160706	55161399	+	0	NA	intron (N	intron (N	54312	NM_015306	23358	Hs.477009	NM_015306	ENSG00000	USP24	-	ubiquitir	protein-coding
chr11-703	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr11	70334054	70335098	+	0	NA	intron (N	intron (N	50621	NR_031624	1E+08		NR_031624	ENSG00000	MIR548K	MIRN548K	microRNA	ncRNA
chr11-749	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr11	74901715	74904154	+	0	NA	intron (N	L1MA2|LIN	46157	NM_001270	143570	Hs.370145	NM_182969	ENSG00000	XRRA1	-	X-ray rac	protein-coding
chr15-485	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr15	48516714	48517328	+	0	NA	intron (N	L2|LINE|L	128767	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillir	protein-coding
chr15-757	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr15	75707817	75708844	+	0	NA	intron (N	intron (N	4518	NM_001897	1464	Hs.513044	NM_001897	ENSG00000	CSPG4	HMW-MAA|M	chondroit	protein-coding
chr18-576	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr18	57662000	57663350	+	0	NA	intron (N	intron (N	32344	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr2-3334	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr2	33342814	33344594	+	0	NA	intron (N	intron (N	-74812	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-2008	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	4108	NM_001142	60491	Hs.145284	NM_021824	ENSG00000	NIF3L1	ALS2CR1|C	NGG1 inte	protein-coding
chr2-2328	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	L1MB3|LIN	-26155	NM_001172	3769	Hs.467338	NM_002242	ENSG00000	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr6-1006	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-180204	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr7-6613	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr7	66134144	66135861	+	0	NA	intron (N	intron (N	20155	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr7-9895	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr7	98956822	98957899	+	0	NA	intron (N	intron (N	-55805	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-4193	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr8	41936104	41937566	+	0	NA	intron (N	L2a|LINE|	-40094	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr8-1435	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-1623	NM_001363	93100	Hs.493164	NM_145201	ENSG00000	NAPRT	NAPRT1|PF	nicotinat	protein-coding

chr9-1229	7.204311	-0.04353	0.861341	-0.05054	0.95969	0.981636	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MEf|LIN	-34539	NM_005294	2844	Hs.722039	NM_005294	ENSG0000C	GPR21	-	G proteir	protein-coding
chr1-3884	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr1	38849394	38851393	+	0	NA	intron (N	AluY|SINE	9379	NM_001271	64121	Hs.532461	NM_022157	ENSG0000C	RRAGC	GTR2|RAGC	Ras relat	protein-coding
chr1-1761	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	AluSc|SIN	91624	NM_001001	64326	Hs.523744	NM_022457	ENSG0000C	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr11-773	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr11	773608	774519	+	0	NA	exon (NM_	exon (NM_	3424	NM_001318	347862	Hs.218362	NM_182612	ENSG0000C	GATD1	PDDC1	glutamine	protein-coding
chr13-368	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr13	36878091	36878621	+	0	NA	intron (N	Tigger3a|	41882	NM_005905	4093	Hs.123119	NM_005905	ENSG0000C	SMAD9	MADH6|MAD	SMAD fami	protein-coding
chr16-861	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr16	86145	90947	+	0	NA	intron (N	intron (N	10321	NM_001015	4350	Hs.459596	NM_002434	ENSG0000C	MPG	AAG|ADPG|	N-methylp	protein-coding
chr16-587	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr16	58721974	58723865	+	0	NA	intron (N	intron (N	11397	NM_001286	2806	Hs.599470	NM_002080	ENSG0000C	GOT2	KAT4|KATI	glutamic-	protein-coding
chr17-366	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr17	3663686	3665050	+	0	NA	intron (N	intron (N	4210	NM_014604	30851	Hs.12956	NM_014604	ENSG0000C	TAX1BP3	TIP-1|TIF	Tax1 binc	protein-coding
chr19-130	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr19	13083378	13084078	+	0	NA	intron (N	intron (N	19130	NM_005583	4066	Hs.46446	NM_005583	ENSG0000C	LYL1	bHLHa18	LYL1 basi	protein-coding
chr19-185	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr19	18535844	18537005	+	0	NA	intron (N	AluJo|SIN	7149	NM_012181	23770	Hs.173464	NM_012181	ENSG0000C	FKBP8	FKBP38|FK	FKBP prol	protein-coding
chr2-1135	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSx3|SI	-9115	NR_026821	654412	Hs.640260	NR_026821	ENSG0000C	FAM138B	F379|bA39	family wi	ncRNA
chr2-1961	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	Charlie7|	23032	NM_004226	9262	Hs.88297	NM_004226	ENSG0000C	STK17B	DRAK2	serine/th	protein-coding
chr3-1446	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr3	14468504	14468786	+	0	NA	intron (N	intron (N	66039	NM_001134	6533	Hs.529488	NM_003043	ENSG0000C	SLC6A6	TAUT	solute ca	protein-coding
chr5-1493	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr5	1493332	1494802	+	0	NA	intron (N	intron (N	16789	NR_106723	1.02E+08		NR_106723	ENSG0000C	MIR6075	hsa-mir-6	microRNA	ncRNA
chr6-1139	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr6	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-17905	NR_125845	1.02E+08	Hs.129280	NR_125845	ENSG0000C	HDAC2-AS2	-	HDAC2 anc	ncRNA
chr7-9939	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr7	99399503	99400759	+	0	NA	intron (N	intron (N	8466	NM_014891	11333	Hs.632296	NM_014891	ENSG0000C	PDAP1	HASPP28|F	PDGFA ass	protein-coding
chr8-1443	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	TTS (NM_1	TTS (NM_1	788	NR_030635	1E+08		NR_030635	ENSG0000C	MIR939	MIRN939|h	microRNA	ncRNA
chr9-1314	7.434022	0.042935	0.849669	0.050531	0.959699	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	24933	NM_013318	84726	Hs.743955	NM_013318	ENSG0000C	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr12-780	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr12	78007009	78007965	+	0	NA	intron (N	intron (N	176593	NM_014903	89795	Hs.655301	NM_014903	ENSG0000C	NAV3	POMFIL1|S	neuron na	protein-coding
chr12-911	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr12	91103257	91103608	+	0	NA	3’ UTR (N	3’ UTR (N	8062	NM_002345	4060	Hs.406475	NM_002345	ENSG0000C	LUM	LDC|SLRR2	lumican	protein-coding
chr14-212	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr14	21222456	21226458	+	0	NA	intron (N	intron (N	-17557	NR_038971	283624	Hs.525210	NR_038970	ENSG0000C	LINC00641	-	long inte	ncRNA
chr17-429	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr17	42951433	42952197	+	0	NA	exon (NM_	exon (NM_	12639	NM_001261	80755	Hs.317403	NM_001261	ENSG0000C	AARSD1	-	alanyl-tF	protein-coding
chr17-682	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr17	68250929	68254406	+	0	NA	intron (N	AluJo|SIN	4624	NM_016627	51321	Hs.293560	NM_016627	ENSG0000C	AMZ2	-	archaelys	protein-coding
chr20-565	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr20	56517148	56521319	+	0	NA	TTS (NM_C	TTS (NM_C	-5496	NM_001012	200232	Hs.504907	NM_001012	ENSG0000C	FAM209A	C20orf106	family wi	protein-coding
chr22-314	8.623812	-0.03994	0.79101	-0.0505	0.959726	0.981636	chr22	31468976	31471612	+	0	NA	intron (N	AluSg|SIN	19262	NM_001164	56478	Hs.517559	NM_019843	ENSG0000C	EIF4ENIF1	4E-T|Clas	eukaryoti	protein-coding
chr1-6770	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr1	67704170	67705980	+	0	NA	3’ UTR (N	3’ UTR (N	19874	NM_001924	1647	Hs.80409	NM_001924	ENSG0000C	GADD45A	DDIT1|GAD	growth ar	protein-coding
chr1-1089	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	12981	NM_001278	23155	Hs.658489	NM_015127	ENSG0000C	CLCC1	MCLC	chloride	protein-coding
chr11-626	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr11	62661754	62663017	+	0	NA	TTS (NR_1	TTS (NR_1	2831	NR_104414	1.02E+08	Hs.9061	NM_001286	ENSG0000C	C11orf98	C11orf48	chromosom	protein-coding
chr11-720	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr11	72028122	72029581	+	0	NA	intron (N	intron (N	14560	NR_104178	1E+08	Hs.713607	NR_104178	ENSG0000C	LOC100128	-	uncharact	ncRNA
chr12-280	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr12	2801109	2803158	+	0	NA	intron (N	intron (N	7163	NM_002014	2288	Hs.524183	NM_002014	ENSG0000C	FKBP4	FKBP51|FK	FKBP prol	protein-coding
chr12-215	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr12	21512152	21514846	+	0	NA	intron (N	(T)n|Simp	11710	NM_016072	51026	Hs.62275	NM_016072	ENSG0000C	GOLT1B	CGI-141|C	golgi tra	protein-coding
chr12-122	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-61238	NM_001351	65082	Hs.487883	NM_022916	ENSG0000C	VPS33A	MPSPS	VPS33A cc	protein-coding
chr15-671	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr15	67174121	67175774	+	0	NA	intron (N	intron (N	8792	NM_001145	4088	Hs.727986	NM_005902	ENSG0000C	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-145	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr16	14574979	14578561	+	0	NA	intron (N	intron (N	53490	NM_002582	5073	Hs.253197	NM_002582	ENSG0000C	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr17-824	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr17	82460339	82461972	+	0	NA	intron (N	AluJb|SIN	2414	NM_012336	26502	Hs.256526	NM_012336	ENSG0000C	NARF	IOP2	nuclear p	protein-coding
chr18-235	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr18	23576015	23577324	+	0	NA	intron (N	LTR12C|LT	9837	NM_000271	4864	Hs.464779	NM_000271	ENSG0000C	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr19-570	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr19	5703788	5709831	+	0	NA	intron (N	intron (N	13337	NR_076392	9361	Hs.350265	NM_004793	ENSG0000C	LONP1	CODASS|LC	lon pepti	protein-coding
chr19-137	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr19	13771268	13772504	+	0	NA	intron (N	intron (N	-2570	NM_014047	28974	Hs.231616	NM_014047	ENSG0000C	C19orf53	HSPC023|I	chromosom	protein-coding
chr2-1999	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	AluY|SINE	-16966	NM_001369	79568	Hs.154494	NM_024520	ENSG0000C	MAIP1	C2orf47	matrix AA	protein-coding
chr2-2332	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	MER47A|DN	5844	NM_001190	55054	Hs.529322	NM_017974	ENSG0000C	ATG16L1	APG16L|AT	autophagy	protein-coding
chr20-505	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr20	50592859	50594336	+	0	NA	intron (N	intron (N	7811	NR_030375	693230		NR_030375	ENSG0000C	MIR645	MIRN645|h	microRNA	ncRNA
chr20-590	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr20	59037155	59038317	+	0	NA	intron (N	intron (N	5050	NM_016045	51012	Hs.656865	NM_016045	ENSG0000C	PRELID3B	C20orf45|	PRELI dom	protein-coding
chr22-504	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr22	50447543	50449124	+	0	NA	exon (NM_	exon (NM_	26702	NM_002972	6305	Hs.589924	NM_002972	ENSG0000C	SBF1	CMT4B3|DE	SET bindi	protein-coding
chr3-4333	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr3	43339430	43342187	+	0	NA	intron (N	intron (N	11154	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr3-4912	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr3	49121664	49122972	+	0	NA	exon (NM_	exon (NM_	-1380	NM_001351	10869	Hs.255596	NM_006677	ENSG0000C	USP19	ZMYND9	ubiquitir	protein-coding
chr3-5035	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr3	50355180	50356160	+	0	NA	intron (N	intron (N	3851	NM_007024	11070	Hs.91566	NM_007024	ENSG0000C	TMEM115	PL6	transmemb	protein-coding
chr3-1017	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	8900	NM_024548	79598	Hs.444135	NM_024548	ENSG0000C	CEP97	2810403BC	centrosom	protein-coding
chr3-1860	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr3	1.86E+08	1.86E+08	+	0	NA	exon (NM_	exon (NM_	29056	NM_004454	2119	Hs.43697	NM_004454	ENSG0000C	ETV5	ERM	ETS varia	protein-coding
chr4-5684	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr4	5684119	5688108	+	0	NA	intron (N	(AC)n|Sim	22446	NM_147127	132884	Hs.87306	NM_147127	ENSG0000C	EVC2	LBN|WAD	EvC cilia	protein-coding
chr5-3476	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr5	34769850	34770698	+	0	NA	intron (N	intron (N	-68890	NM_144725	153657	Hs.435742	NM_144725	ENSG0000C	TTC23L	MC25-1	tetratric	protein-coding
chr5-4190	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr5	41909256	41912269	+	0	NA	intron (N	intron (N	6418	NM_175921	285636	Hs.29899	NM_175921	ENSG0000C	C5orf51	-	chromosom	protein-coding
chr5-1462	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	59639	NM_018989	54439	Hs.61441	NM_018989	ENSG0000C	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr6-4359	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr6	43597385	43598887	+	0	NA	intron (N	AluJb|SIN	21951	NM_001291	5429	Hs.655467	NM_006502	ENSG0000C	POLH	RAD30|RAD	DNA polym	protein-coding
chr6-9054	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr6	90546681	90548018	+	0	NA	exon (NM_	exon (NM_	39723	NM_003188	6885	Hs.594838	NM_003188	ENSG0000C	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr7-2234	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr7	2234934	2237567	+	0	NA	intron (N	(AAAAGA)r	-3305	NM_001013	8379	Hs.654838	NM_003550	ENSG0000C	MAD1L1	MAD1|PIG9	mitotic a	protein-coding
chr7-4992	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr7	4992770	4994408	+	0	NA	intron (N	intron (N	19604	NR_023385	441191	Hs.520636	NR_015449	ENSG0000C	RNF216P1	RNF216L|h	ring fing	pseudo
chr7-7555	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr7	75556263	75557593	+	0	NA	intron (N	L1ME3|LIN	-28805	NR_028059	5387	Hs.659871	NM_005395	ENSG0000C	PMS2P3	PMS2L3|PM	PMS1 homc	pseudo
chr7-8021	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr7	80211114	80217118	+	0	NA	intron (N	intron (N	78332	NM_001256	2770	Hs.134587	NM_002069	ENSG0000C	GNAI1	Gi	G proteir	protein-coding
chr7-1051	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	126741	NM_001350	6733	Hs.285197	NM_182691	ENSG0000C	SRPK2	SFRSK2	SRSF prot	protein-coding
chr8-4218	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr8	42188977	42193613	+	0	NA	intron (N	(GGTAGGT)	16270	NM_000930	5327	Hs.491582	NM_000930	ENSG0000C	PLAT	T-PA|TPA	plasminog	protein-coding
chr9-1333	7.913044	0.041391	0.822996	0.050294	0.959888	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	non-codir	non-codir	4340	NM_006753	6838	Hs.274430	NM_006753	ENSG0000C	SURF6	RRP14	surfeit 6	protein-coding
chr1-1801	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MEd|LIN	-52044	NM_001004	5768	Hs.719176	NM_002826	ENSG0000C	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr10-350	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr10	35009557	35010406	+	0	NA	3’ UTR (N	3’ UTR (N	64302	NM_001198	8453	Hs.82919	NM_003591	ENSG0000C	CUL2	-	cullin 2	protein-coding
chr11-736	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr11	73674111	73675168	+	0	NA	TTS (NM_C	TTS (NM_C	25726	NM_001130	58473	Hs.445489	NM_021200	ENSG0000C	PLEKHB1	KPL1|PHR1	pleckstri	protein-coding
chr16-700	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr16	70003375	70004572	+	0	NA	intron (N	AluJb|SIN	-26373	NR_036265	1E+08		NR_036265	ENSG0000C	MIR1972-2	-	microRNA	ncRNA
chr19-182	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr19	1823138	1824809	+	0	NA	intron (N	intron (N	1884	NR_152847	1E+08	Hs.662426	NR_034114	ENSG0000C	LOC100288	-	uncharact	ncRNA
chr20-347	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr20	34723770	34724358	+	0	NA	intron (N	intron (N	19345	NM_001329	58476	Hs.516994	NM_021202	ENSG0000C	TP53INP2	C20orf110	tumor prc	protein-coding
chr6-1522	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-32156	NM_001347	23345	Hs.12967	NM_015293	ENSG0000C	SYNE1	8B|ARCA1|	spectrin	protein-coding
chr8-2540	4.948773	0.051563	1.025253	0.050293	0.959889	0.981636	chr8	25400179	25400967	+	0	NA	intron (N	intron (N	23688	NM_001083	2796	Hs.82963	NM_000825	ENSG0000C	GNRH1	GNRH|GRH|	gonadotrc	protein-coding
chr17-708	10.09231	-0.03742	0.745148	-0.05022	0.959945	0.981636	chr17	708912	709998	+	0	NA	intron (N	intron (N	5384	NM_001128	55275	Hs.461819	NM_018289	ENSG0000C	VPS53	HCCS1|PCH	VPS53 sut	protein-coding
chr16-210	9.919271	0.03821	0.763629	0.050037	0.960093	0.981636	chr16	2105226	2105996	+	0	NA	intron (N	intron (N	1137	NR_106965	1.02E+08		NR_106965	ENSG0000C	MIR6511B2	MIR6511B-	microRNA	ncRNA
chr1-1089	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7658	NM_015127	23155	Hs.658489	NM_015127	ENSG0000C	CLCC1	MCLC	chloride	protein-coding
chr12-248	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr12	24877011	24879263	+	0	NA	intron (N	AluJr4|SI	24085	NM_001178	586	Hs.438993	NM_005504	ENSG0000C	BCAT1	BCATC|BCT	branched	protein-coding
chr2-1546	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr2	15466005	15467333	+	0	NA	intron (N	AluSz6|SI	94665	NM_015909	51594	Hs.467759	NM_015909	ENSG0000C	NBAS	ILFS2|NAG	neuroblas	protein-coding
chr20-385	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr20	38516283	38516786	+	0	NA	promoter-	promoter-	-29	NR_039605	1.01E+08		NR_039605	ENSG0000C	MIR54802	-	microRNA	ncRNA
chr5-1404	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	36946	NM_017978	54882	Hs.594084	NM_017747	ENSG0000C	ANKHD1	MASK|MASK	ankyrin r	protein-coding
chr6-1117	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	55592	NM_153048	2534	Hs.390567	NM_002037	ENSG0000C	FYN	SLK|SYN|p	FYN protc	protein-coding
chr6-1422	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr6	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	56715	NM_016485	51534	Hs.431367	NM_016485	ENSG0000C	VTA1	C6orf55|I	vesicle t	protein-coding
chr8-1023	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	AluJb|SIN	62563	NM_001282	51366	Hs.492445	NM_015902	ENSG0000C	UBR5	DD5|EDD|E	ubiquitir	protein-coding
chr9-1207	7.385025	0.042668	0.853025	0.050019	0.960107	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx|SIN	18118	NM_012164	26190	Hs.494985	NM_012164	ENSG0000C	FBXW2	FBW2|Fwd2	F-box anc	protein-coding
chr1-1204	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	5233	NR_003242	767846	Hs.657186	NR_003242	ENSG0000C	PFN1P2	C1orf152|	profilin	pseudo
chr10-499	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr10	49945014	49947323	+	0	NA	intron (N	AluSz6|SI	4115	NR_158659	1.13E+08		NR_158654		TIMM23B-A	-	TIMM23B-A	ncRNA
chr10-720	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr10	72007664	72008413	+	0	NA	exon (NM_	exon (NM_	43643	NM_004273	9469	Hs.158304	NM_004273	ENSG0000C	CHST3	C6ST|C6ST	carbohydr	protein-coding
chr10-119	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	MER1B|DNA	22894	NM_001243	22876	Hs.369755	NM_014937	ENSG0000C	INPP5F	MSTP007|M	inositol	protein-coding
chr12-561	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr12	56168150	56170346	+	0	NA	intron (N	AluSx|SIN	10889	NM_021019	4637	Hs.632717	NM_021019	ENSG0000C	MYL6	ESMLC|LC1	myosin li	protein-coding
chr12-118	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	AluSx1|SI	-35909	NM_001346	51347	Hs.644420	NM_016281	ENSG0000C	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr12-121	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSz|SIN	8827	NM_001005	84678	Hs.524800	NM_032590	ENSG0000C	KDM2B	CXXC2|FBX	lysine de	protein-coding
chr12-124	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluJo|SIN	95828	NM_001206	9612	Hs.137510	NM_006312	ENSG0000C	NCOR2	CTG26|N-C	nuclear r	protein-coding
chr13-196	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr13	19667052	19671338	+	0	NA	intron (N	intron (N	35536	NM_017520	54737	Hs.269654	NM_017520	ENSG0000C	MPHOSPH8	HSMPP8|TW	M-phase p	protein-coding
chr15-646	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr15	64687159	64691790	+	0	NA	intron (N	AluY|SINE	13807	NM_001301	4947	Hs.744924	NM_002537	ENSG0000C	OAZ2	AZ2	ornithine	protein-coding
chr16-446	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr16	4465270	4467153	+	0	NA	exon (NM_	exon (NM_	8414	NM_001351	57407	Hs.288969	NM_020677	ENSG0000C	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr17-406	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr17	40640616	40643086	+	0	NA	intron (N	intron (N	5967	NM_003079	6605	Hs.743978	NM_003079	ENSG0000C	SMARCE1	BAF57|CSS	SWI/SNF r	protein-coding
chr18-137	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr18	13741835	13743462	+	0	NA	exon (NM_	exon (NM_	15975	NM_001308	8731	Hs.592347	NM_003799	ENSG0000C	RNMT	CMT1|CMT1	RNA guani	protein-coding
chr19-161	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr19	16118320	16122686	+	0	NA	intron (N	AluSx1|SI	8614	NM_005370	4218	Hs.642874	NM_005370	ENSG0000C	RAB8A	MEL|RAB8	RAB8A, me	protein-coding
chr2-1647	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr2	1647013	1652705	+	0	NA	intron (N	intron (N	94656	NM_012293	7837	Hs.332197	NM_012293	ENSG0000C	PXDN	ASGD7|COF	peroxidas	protein-coding
chr2-2332	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	AluYm1|SI	9386	NM_001190	55054	Hs.529322	NM_017974	ENSG0000C	ATG16L1	APG16L|AT	autophagy	protein-coding
chr5-1361	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	L2a|LINE|	-19611	NR_026763	9597	Hs.59666	NM_022001	ENSG0000C	SMAD5-AS1	DAMS|SMAD	SMAD5 ant	ncRNA
chr5-1396	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	41844	NM_003339	7322	Hs.108332	NM_003339	ENSG0000C	UBE2D2	E2(17)KB2	ubiquitir	protein-coding
chr9-3794	8.392067	0.040009	0.800519	0.049979	0.960139	0.981636	chr9	37948553	37948850	+	0	NA	exon (NM_	exon (NM_	-44348	NR_024872	92014	Hs.634120	NM_033412	ENSG0000C	SLC25A51	CG7943|MC	solute ca	protein-coding
chr12-575	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr12	57537555	57538651	+	0	NA	intron (N	intron (N	8756	NM_001348	10540	Hs.289123	NM_006400	ENSG0000C	DCTN2	DCTN50|DY	dynactin	protein-coding
chr12-110	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSc|SIN	13687	NM_001244	5501	Hs.79081	NM_002710	ENSG0000C	PPP1CC	PP-1G|PP1	protein p	protein-coding
chr12-120	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	TTS (NM_C	TTS (NM_C	7255	NM_001037	8655	Hs.5120	NM_003746	ENSG0000C	DYNLL1	DLC1|DLC8	dynein li	protein-coding
chr14-103	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	15222	NM_006035	9578	Hs.654634	NM_006035	ENSG0000C	CDC42BPB	MRCKB	CDC42 bir	protein-coding
chr16-887	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr16	88719104	88726522	+	0	NA	intron (N	CpG-10173	-6476	NR_039873	1.01E+08		NR_039873	ENSG0000C	MIR4722	-	microRNA	ncRNA
chr5-1347	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSz6|SI	6339	NM_014829	9879	Hs.406549	NM_014829	ENSG0000C	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1501	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-10486	NM_005211	1436	Hs.586219	NM_005211	ENSG0000C	CSF1R	C-FMS|CD1	colony st	protein-coding
chr7-9896	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr7	98964290	98965397	+	0	NA	intron (N	intron (N	-48322	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr9-3411	8.67281	-0.03957	0.793457	-0.04987	0.96023	0.981636	chr9	34116268	34118755	+	0	NA	intron (N	intron (N	9187	NM_015397	25853	Hs.493750	NM_015397	ENSG0000C	DCAF12	CT102|KIA	DDB1 and	protein-coding
chr11-118	9.110693	-0.03842	0.772153	-0.04975	0.960319	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-12113	NR_106773	1.02E+08		NR_106773	ENSG0000C	MIR6716	hsa-mir-6	microRNA	ncRNA
chr11-118	9.110693	-0.03842	0.772153	-0.04975	0.960319	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	5604	NM_032966	643	Hs.113916	NM_001716	ENSG0000C	CXCR5	BLR1|CD18	C-X-C mot	protein-coding
chr15-641	9.110693	-0.03842	0.772153	-0.04975	0.960319	0.981636	chr15	64143093	64143336	+	0	NA	3’ UTR (N	3’ UTR (N	-8517	NR_073534	79856	Hs.744250	NM_024798	ENSG0000C	SNX22	-	sorting r	protein-coding
chr2-6129	9.110693	-0.03842	0.772153	-0.04975	0.960319	0.981636	chr2	61294335	61295161	+	0	NA	intron (N	intron (N	117330	NR_152211	130872	Hs.655602	NM_152392	ENSG0000C	AHSA2P	AHA1|AHSA	activator	pseudo
chr9-1222	9.110693	-0.03842	0.772153	-0.04975	0.960319	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	21423	NM_001346	92399	Hs.368011	NM_138777	ENSG0000C	MRRF	MRFF|MTRF	mitochonc	protein-coding
chr1-5506	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr1	55067329	55073804	+	0	NA	intron (N	intron (N	30344	NR_110451	255738	Hs.18844	NM_174936	ENSG0000C	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr10-215	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr10	21555904	21558197	+	0	NA	3’ UTR (N	3’ UTR (N	22878	NM_001195	8028	Hs.30385	NM_004641	ENSG0000C	MLLT10	AF10	MLLT10 hi	protein-coding
chr10-125	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSz6|SI	9561	NM_078469	56647	Hs.370292	NM_016567	ENSG0000C	BCCIP	TOK-1|TOK	BRCA2 anc	protein-coding
chr11-116	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-20940	NM_000039	335	Hs.93194	NM_000039	ENSG0000C	APOA1	apo(a)	apolipopr	protein-coding
chr13-110	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger3b|	17162	NR_107040	1.02E+08		NR_107040	ENSG0000C	MIR8073	hsa-mir-8	microRNA	ncRNA
chr14-572	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr14	57274135	57275811	+	0	NA	intron (N	intron (N	6002	NR_026895	55745	Hs.597349	NM_018229	ENSG0000C	AP5M1	C14orf108	adaptor r	protein-coding
chr15-636	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr15	63688397	63688872	+	0	NA	intron (N	L2a|LINE|	-87807	NR_034080	1E+08	Hs.631163	NR_034080	ENSG0000C	USP3-AS1	-	USP3 anti	ncRNA
chr16-700	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr16	70033214	70038768	+	0	NA	intron (N	MER2|DNA|	5645	NR_036054	1E+08		NR_036054	ENSG0000C	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr17-182	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr17	18287160	18290572	+	0	NA	intron (N	intron (N	26128	NM_004618	7156	Hs.592115	NM_004618	ENSG0000C	TOP3A	MGRISCE2|	DNA topoi	protein-coding
chr17-375	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr17	37594584	37600892	+	0	NA	intron (N	L2a|LINE|	11680	NM_080550	11276	Hs.594647	NM_007247	ENSG0000C	SYNRG	AP1GBP1|S	synergin	protein-coding

chr17-498	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr17	49811468	49812439	+	0	NA	intron (N	intron (N	23272	NM_001199	11143	Hs.21907	NM_007067	ENSG00000	KAT7	HBO1|HBOA	lysine ac	protein-coding
chr19-636	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr19	6364607	6369247	+	0	NA	intron (N	AluJb|SIN	5396	NM_006012	8192	Hs.515092	NM_006012	ENSG00000	CLPP	DFNB81|PR	caseinoly	protein-coding
chr19-218	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr19	21825383	21827492	+	0	NA	intron (N	LTR70|LTR	9745	NM_001256	7594	Hs.534365	NM_003423	ENSG00000	ZNF43	HTF6|KOX2	zinc fing	protein-coding
chr19-233	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr19	23337205	23339818	+	0	NA	Intergeni	L1M2|LINE	56960	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr2-3401	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr2	3401870	3403256	+	0	NA	intron (N	AluSg|SIN	22869	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr2-2769	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr2	27694800	27695586	+	0	NA	TTS (NM_0	TTS (NM_0	20539	NR_135200	1E+08	Hs.515878	NR_135200	ENSG00000	LINC01460	-	long inte	ncRNA
chr2-5591	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr2	55913057	55914858	+	0	NA	intron (N	AluSx|SIN	9825	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr2-1137	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-16447	NR_039943	1.01E+08		NR_039943	ENSG00000	MIR4782	-	microRNA	ncRNA
chr20-315	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr20	31561941	31567231	+	0	NA	intron (N	AluJb|SIN	8677	NR_046853	1.01E+08	Hs.373741	NR_046853	ENSG00000	HM13-AS1	-	HM13 anti	ncRNA
chr22-245	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr22	24571316	24572907	+	0	NA	non-codin	non-codin	-11639	NM_013430	2678	Hs.595809	NM_005265	ENSG00000	GGT1	CD224|D22	gamma-glu	protein-coding
chr22-304	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr22	30406493	30406999	+	0	NA	intron (N	AluSz6|SI	9728	NM_001204	23541	Hs.335614	NM_012429	ENSG00000	SEC14L2	C22orf6|S	SEC14 lik	protein-coding
chr22-415	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr22	41582458	41584761	+	0	NA	intron (N	intron (N	6231	NM_002676	5372	Hs.75835	NM_002676	ENSG00000	PMM1	PMM 1|PMM	phosphoma	protein-coding
chr3-3160	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	31605987	31607015	+	0	NA	intron (N	THE1B-int	73576	NM_178862	201595	Hs.475812	NM_178862	ENSG00000	STT3B	CDG1X|SIM	STT3 olig	protein-coding
chr3-1491	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	TTS (NM_0	TTS (NM_0	42851	NM_032383	84343	Hs.558314	NM_032383	ENSG00000	HPS3	BLOC2S1|S	HPS3 biog	protein-coding
chr3-1612	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	20946	NM_015938	51068	Hs.598836	NM_015938	ENSG00000	NMD3	CGI-07	NMD3 ribo	protein-coding
chr3-1722	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	200762	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr3-1727	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	1.73E+08	1.73E+08	+	0	NA	intron (N	L2a|LINE|	14241	NM_001349	1894	Hs.518299	NM_018098	ENSG00000	ECT2	ARHGEF31	epithelia	protein-coding
chr3-1830	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr3	1.83E+08	1.83E+08	+	0	NA	intron (N	THE1B-int	20090	NR_120640	56922	Hs.47649	NM_020166	ENSG00000	MCCC1	MCC-B|MCC	methylcro	protein-coding
chr4-5186	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr4	51863930	51866219	+	0	NA	intron (N	intron (N	21495	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr4-8000	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr4	80001842	80004839	+	0	NA	intron (N	L1PA3|LIN	69889	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr5-1347	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSp|SIN	39190	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1388	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-47391	NM_001290	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr6-9051	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr6	90513963	90517033	+	0	NA	3’ UTR (N	3’ UTR (N	71574	NM_003188	6885	Hs.594838	NM_003188	ENSG00000	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1705	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr6	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	13426	NM_002793	5689	Hs.352768	NM_002793	ENSG00000	PSMB1	HC5|PMSB1	proteasom	protein-coding
chr7-6170	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr7	6170065	6171016	+	0	NA	exon (NM_	exon (NM_	1597	NM_001367	9265	Hs.487479	NM_004227	ENSG00000	CYTH3	ARNO3|GRP	cytohesin	protein-coding
chr7-1731	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr7	17310289	17313428	+	0	NA	intron (N	intron (N	13206	NM_001621	196	Hs.171189	NM_001621	ENSG00000	AHR	RP85|bHLH	aryl hydr	protein-coding
chr9-3256	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr9	32564687	32565961	+	0	NA	intron (N	intron (N	7835	NM_182739	4712	Hs.493668	NM_002493	ENSG00000	NDUFB6	B17|CI	NADH:ubiq	protein-coding
chr9-3418	7.691191	-0.04142	0.832727	-0.04975	0.960325	0.981636	chr9	34184313	34185722	+	0	NA	intron (N	AluSq2|SI	5974	NM_001171	51271	Hs.268963	NM_016525	ENSG00000	UBAP1	NAG20|SPC	ubiquitin	protein-coding
chr12-112	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	3’ UTR (N	3’ UTR (N	8565	NR_037430	1.01E+08		NR_037430	ENSG00000	MIR3657	-	microRNA	ncRNA
chr2-1521	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr2	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	30701	NM_005843	10254	Hs.17200	NM_005843	ENSG00000	STAM2	Hbp|STAM2	signal tr	protein-coding
chr3-4846	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr3	48467261	48468465	+	0	NA	TTS (NM_0	TTS (NM_0	1633	NM_033629	11277	Hs.707026	NM_007248	ENSG00000	TREX1	AGS1|CRV|	three pri	protein-coding
chr5-1675	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr5	16750525	16752308	+	0	NA	intron (N	intron (N	-134358	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-3718	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr5	37183957	37185046	+	0	NA	intron (N	intron (N	-64545	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr6-1553	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr6	1.55E+08	1.55E+08	+	0	NA	intron (N	THE1B|LTR	7071	NM_016020	51106	Hs.279908	NM_016020	ENSG00000	TFB1M	CGI-75|CG	transcrip	protein-coding
chr7-1572	8.871089	0.038752	0.781453	0.049589	0.96045	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-88218	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chrX-1045	6.668433	-0.04587	0.928275	-0.04942	0.960586	0.981636	chrX	10454148	10454347	+	0	NA	intron (N	intron (N	113356	NM_001193	4281	Hs.27695	NM_000381	ENSG00000	MID1	BBBG1|FXY	midline 1	protein-coding
chr11-726	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr11	72685502	72686130	+	0	NA	intron (N	intron (N	-11394	NM_002599	5138	Hs.503163	NM_002599	ENSG00000	PDE2A	CGS-PDE|P	phosphodi	protein-coding
chr12-111	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSz|SIN	32255	NM_025247	80724	Hs.331141	NM_025247	ENSG00000	ACAD10	-	acyl-CoA	protein-coding
chr15-520	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr15	52055753	52056393	+	0	NA	intron (N	intron (N	36854	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr17-789	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr17	78975953	78977034	+	0	NA	intron (N	intron (N	3430	NM_005567	3959	Hs.514535	NM_005567	ENSG00000	LGALS3BP	90K|BTBD1	galectin	protein-coding
chr17-828	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr17	82820035	82820562	+	0	NA	intron (N	intron (N	19724	NM_024702	79755	Hs.464391	NM_024702	ENSG00000	ZNF750	ZFP750	zinc fing	protein-coding
chr4-1476	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	24682	NM_138364	90826	Hs.591692	NM_138364	ENSG00000	PRMT9	PRMT10	protein a	protein-coding
chr5-4354	5.955815	0.046407	0.940149	0.049361	0.960632	0.981636	chr5	43549216	43550357	+	0	NA	intron (N	AluSz|SIN	7291	NM_006451	10605	Hs.482038	NM_006451	ENSG00000	PAIP1	-	poly(A) b	protein-coding
chr16-276	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr16	27682602	27683038	+	0	NA	intron (N	MSTC|LTR|	36209	NR_147898	1E+08	Hs.610277	NR_147898		LOC100128	-	uncharact	ncRNA
chr2-3885	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr2	38856401	38856986	+	0	NA	intron (N	AluJb|SIN	19241	NM_198963	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr2-2178	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	AluJr|SIN	19584	NR_145792	1.1E+08		NR_145792		SNORA115	-	small nuc	snoRNA
chr3-4709	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr3	47094674	47097490	+	0	NA	intron (N	intron (N	67895	NM_014159	29072	Hs.517941	NM_012271	ENSG00000	SETD2	HBP231|HI	SET domai	protein-coding
chr5-6496	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr5	64962457	64963962	+	0	NA	intron (N	AluSx1|SI	194279	NM_001364	10283	Hs.371372	NM_005869	ENSG00000	CWC27	NY-CO-10|	CWC27 spl	protein-coding
chr6-5705	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr6	57057185	57058448	+	0	NA	Intergeni	AluJb|SIN	11069	NM_001286	57691	Hs.709521	NM_020931	ENSG00000	KIAA1586	-	KIAA1586	protein-coding
chr9-1139	5.427796	0.048603	0.984753	0.049356	0.960636	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	L2c|LINE|	88124	NM_001633	259	Hs.436911	NM_001633	ENSG00000	AMBP	A1M|EDC1|	alpha-1-m	protein-coding
chr11-728	7.864047	0.041071	0.833565	0.049271	0.960703	0.981636	chr11	72886797	72887485	+	0	NA	intron (N	(AT)n|Sim	72730	NM_001318	89849	Hs.653186	NM_033388	ENSG00000	ATG16L2	ATG16B|WD	autophagy	protein-coding
chr1-3310	7.642194	-0.04178	0.849447	-0.04918	0.960774	0.981636	chr1	33105329	33105601	+	0	NA	intron (N	THE1D|LTR	23287	NM_001301	113451	Hs.101807	NM_052998	ENSG00000	AZIN2	ADC|AZI2|	antizyme	protein-coding
chr19-552	7.642194	-0.04178	0.849447	-0.04918	0.960774	0.981636	chr19	55273967	55274221	+	0	NA	intron (N	MER20|DNA	5762	NM_001297	23640	Hs.53066	NM_012267	ENSG00000	HSPBP1	FES1	HSPA (Hsp	protein-coding
chr1-1490	9.350111	0.037593	0.765213	0.049128	0.960817	0.981636	chr1	1.49E+08	1.49E+08	+	0	NA	Intergeni	LTR5_Hs|L	-11314	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr8-4193	9.597573	-0.03709	0.756097	-0.04906	0.960874	0.981636	chr8	41934451	41934983	+	0	NA	exon (NM_	exon (NM_	-37976	NM_001142	286	Hs.654438	NM_000037	ENSG00000	ANK1	ANK|SPH1|	ankyrin 1	protein-coding
chr9-1100	9.399109	0.037735	0.769307	0.049051	0.960878	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSz|SIN	11649	NM_001198	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr10-619	9.15969	-0.03811	0.777435	-0.04902	0.960905	0.981636	chr10	61959642	61959850	+	0	NA	intron (N	intron (N	58047	NM_032199	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr12-708	9.15969	-0.03811	0.777435	-0.04902	0.960905	0.981636	chr12	7084748	7090136	+	0	NA	intron (N	intron (N	4451	NM_001354	715	Hs.524224	NM_001733	ENSG00000	C1R	EDSPD1	complemen	protein-coding
chr5-7150	9.15969	-0.03811	0.777435	-0.04902	0.960905	0.981636	chr5	71502602	71504698	+	0	NA	intron (N	intron (N	47999	NM_018429	55814	Hs.258272	NM_018429	ENSG00000	BDP1	DFNB112|H	B double	protein-coding
chr5-1725	8.920086	0.038831	0.792332	0.049008	0.960913	0.981636	chr5	17250603	17250998	+	0	NA	intron (N	AluY|SINE	33169	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr12-132	9.878131	0.036731	0.749696	0.048995	0.960923	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	-24210	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr5-1283	9.878131	0.036731	0.749696	0.048995	0.960923	0.981636	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	142917	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr1-1489	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr1	1489349	1492177	+	0	NA	intron (N	intron (N	12914	NM_001317	83858	Hs.729021	NM_031921	ENSG00000	ATAD3B	AAA-TOB3|	ATPase fa	protein-coding
chr1-2598	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr1	25986042	25988377	+	0	NA	intron (N	AluSx1|SI	10854	NM_000437	5051	Hs.477083	NM_000437	ENSG00000	PAFAH2	HSD-PLA2	platelet	protein-coding
chr1-5281	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr1	52816562	52817215	+	0	NA	intron (N	AluSq|SIN	-25872	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr1-5296	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr1	52961533	52962350	+	0	NA	intron (N	AluJb|SIN	34665	NM_001193	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr1-1081	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	55838	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr10-809	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr10	809729	811102	+	0	NA	3’ UTR (N	3’ UTR (N	-120747	NM_014974	22982	Hs.432397	NM_014974	ENSG00000	DIP2C	KIAA0934	disco int	protein-coding
chr10-120	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr10	12084623	12087537	+	0	NA	intron (N	AluSc5|SI	17126	NM_018706	55526	Hs.104980	NM_018706	ENSG00000	DHTKD1	AMOXAD|CM	dehydroge	protein-coding
chr10-920	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr10	92028915	92030043	+	0	NA	3’ UTR (N	3’ UTR (N	105709	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr10-956	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr10	95635248	95635745	+	0	NA	intron (N	intron (N	21215	NM_001323	5832	Hs.500645	NM_002860	ENSG00000	ALDH18A1	ADCL3|ARC	aldehyde	protein-coding
chr11-719	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr11	71915290	71916207	+	0	NA	intron (N	intron (N	12699	NR_029192	1E+08	Hs.150324	NR_029192		LOC100133	-	transient	pseudo
chr11-118	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	18970	NM_004788	9354	Hs.75275	NM_004788	ENSG00000	UBE4A	E4|UBOX2|	ubiquitin	protein-coding
chr12-269	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr12	26989808	26990649	+	0	NA	intron (N	L2a|LINE|	24156	NM_016551	51768	Hs.438641	NM_016551	ENSG00000	TM7SF3	-	transmemb	protein-coding
chr12-779	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr12	77982124	77982954	+	0	NA	intron (N	intron (N	151645	NM_014903	89795	Hs.655301	NM_014903	ENSG00000	NAV3	POMFIL1|S	neuron na	protein-coding
chr12-113	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr12	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSz6|SI	17579	NM_006843	10993	Hs.439023	NM_006843	ENSG00000	SDS	SDH	serine de	protein-coding
chr13-331	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr13	33120310	33121024	+	0	NA	intron (N	intron (N	65424	NM_001243	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr13-409	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr13	40957526	40958750	+	0	NA	intron (N	intron (N	24144	NM_001145	1997	Hs.135646	NM_172373	ENSG00000	ELF1	EFTUD1|RI	E74 like	protein-coding
chr14-202	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr14	20291155	20292683	+	0	NA	intron (N	(AT)n|Sim	14032	NM_138376	91875	Hs.98553	NM_138376	ENSG00000	TTC5	Strap	tetratric	protein-coding
chr14-583	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr14	58350447	58352559	+	0	NA	intron (N	intron (N	-44427	NM_207377	387990	Hs.592307	NM_207377	ENSG00000	TOMM20L	UNQ9438	transloca	protein-coding
chr14-925	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr14	92556343	92557284	+	0	NA	intron (N	intron (N	-19421	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr15-430	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr15	43005332	43007888	+	0	NA	intron (N	intron (N	-85832	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr16-235	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr16	23579368	23583887	+	0	NA	intron (N	intron (N	14689	NM_005003	4706	Hs.189716	NM_005003	ENSG00000	NDUFAB1	ACP|ACP1|	NADH:ubiq	protein-coding
chr17-488	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr17	4883933	4884975	+	0	NA	exon (NM_	exon (NM_	-15082	NM_001145	1E+08	Hs.579243	NM_001145	ENSG00000	C17orf107	-	chromosom	protein-coding
chr17-172	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr17	17262709	17264882	+	0	NA	intron (N	AluSp|SIN	16903	NM_001199	8533	Hs.6076	NM_003653	ENSG00000	COPS3	CSN3|SGN3	COP9 sign	protein-coding
chr17-402	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr17	40271170	40271674	+	0	NA	intron (N	FRAM|SINE	-16457	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr17-618	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr17	61876359	61877494	+	0	NA	intron (N	HAL1|LINE	-13367	NM_032043	83990	Hs.128903	NM_032043	ENSG00000	BRIP1	BACH1|FAN	BRCA1 int	protein-coding
chr19-708	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr19	7086784	7088291	+	0	NA	3’ UTR (N	3’ UTR (N	17834	NM_001044	79230	Hs.591380	NM_024341	ENSG00000	ZNF557	-	zinc fing	protein-coding
chr19-490	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr19	49008667	49011773	+	0	NA	TTS (NR_1	TTS (NR_1	314	NR_106856	1.02E+08		NR_106856	ENSG00000	MIR6798	hsa-mir-6	microRNA	ncRNA
chr2-7395	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr2	73952295	73957205	+	0	NA	intron (N	intron (N	26689	NR_104029	1.01E+08	Hs.600674	NR_104029	ENSG00000	DGUOK-AS1	-	DGUOK ant	ncRNA
chr2-1521	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr2	1.52E+08	1.52E+08	+	0	NA	exon (NM_	exon (NM_	28491	NM_005843	10254	Hs.17200	NM_005843	ENSG00000	STAM2	Hbp|STAM2	signal tr	protein-coding
chr21-419	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr21	41907054	41908007	+	0	NA	intron (N	intron (N	19173	NM_199050	25966	Hs.473894	NM_015500	ENSG00000	C2CD2	C21orf25|	C2 calciu	protein-coding
chr21-436	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr21	43692350	43693420	+	0	NA	intron (N	intron (N	-26244	NM_003681	8566	Hs.284491	NM_003681	ENSG00000	PDXK	C21orf124	pyridoxal	protein-coding
chr21-449	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr21	44943982	44945503	+	0	NA	intron (N	intron (N	4713	NM_058190	85395	Hs.410830	NM_058190	ENSG00000	FAM207A	C21orf70|	family wi	protein-coding
chr4-5692	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr4	56924371	56926184	+	0	NA	intron (N	intron (N	16364	NM_001193	5978	Hs.307836	NM_005612	ENSG00000	REST	DFNA27|GI	RE1 silen	protein-coding
chr6-2664	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr6	26647296	26649186	+	0	NA	intron (N	L1MC1|LIN	11505	NM_024639	79692	Hs.126280	NM_024639	ENSG00000	ZNF322	HCG12|ZNF	zinc fing	protein-coding
chr6-3541	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr6	35411181	35414103	+	0	NA	intron (N	intron (N	-39719	NM_021922	2178	Hs.302003	NM_021922	ENSG00000	FANCE	FACE|FAE	FA comple	protein-coding
chr7-1289	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	18016	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr8-4229	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr8	42296178	42299807	+	0	NA	intron (N	intron (N	26690	NR_033818	3551	Hs.597664	NM_001556	ENSG00000	IKBKB	IKK-beta|	inhibitor	protein-coding
chr8-6561	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr8	65616467	65619374	+	0	NA	intron (N	intron (N	16257	NM_018120	55156	Hs.269542	NM_018120	ENSG00000	ARMC1	Arcp	armadillo	protein-coding
chr8-1319	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr8	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	67618	NM_001080	729330	Hs.653174	NM_001080	ENSG00000	OC90	PLA2L	otoconin	protein-coding
chr8-1450	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr8	1.45E+08	1.45E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3966	NM_023080	65265	Hs.169615	NM_023080	ENSG00000	C8orf33	-	chromosom	protein-coding
chr9-1316	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	80079	NM_001365	642515		NM_001365	ENSG00000	PRRT1B	DSPD2|IFI	proline r	protein-coding
chr9-1374	6.434838	0.044269	0.903835	0.04898	0.960936	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NR_1	TTS (NR_1	518	NR_106964	1.02E+08		NR_106964	ENSG00000	MIR7114	hsa-mir-7	microRNA	ncRNA
chr1-3555	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	35552005	35554146	+	0	NA	intron (N	AluSz|SIN	4328	NM_024874	79932	Hs.456507	NM_024874	ENSG00000	KIAA0319L	AAVR|AAVR	KIAA0319	protein-coding
chr1-4631	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	46316626	46317301	+	0	NA	TTS (NM_0	TTS (NM_0	13265	NM_006004	7388	Hs.481571	NM_006004	ENSG00000	UQCRH	QCR6|UQCR	ubiquinol	protein-coding
chr1-8733	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	87338726	87344580	+	0	NA	intron (N	intron (N	9909	NM_001369	8543	Hs.436792	NM_006769	ENSG00000	LMO4	-	LIM domai	protein-coding
chr1-1502	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	11329	NM_001136	81611	Hs.656466	NM_030920	ENSG00000	ANP32E	LANP-L|LA	acidic nu	protein-coding
chr1-1693	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	1.69E+08	1.69E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19143	NM_001320	8548	Hs.130746	NM_003666	ENSG00000	BLZF1	GOLGIN-45	basic leu	protein-coding
chr1-1780	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr1	1.78E+08	1.78E+08	+	0	NA	intron (N	L1ME1|LIN	20914	NR_151492	1.11E+08		NM_001356505		CRYZL2P-S	-	CRYZL2P-S	protein-coding
chr10-701	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr10	70198506	70204461	+	0	NA	Intergeni	L1MD2|LIN	-30969	NM_020150	56681	Hs.499960	NM_020150	ENSG00000	SAR1A	SAR1|SARA	secretion	protein-coding
chr10-943	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr10	94337655	94339949	+	0	NA	intron (N	(TTTGTA)n	24137	NM_022451	64318	Hs.74899	NM_022451	ENSG00000	NOC3L	AD24|C10o	NOC3 like	protein-coding
chr11-369	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	3692151	3700075	+	0	NA	intron (N	AluSz|SIN	-24729	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-995	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	9958541	9959942	+	0	NA	intron (N	intron (N	120099	NR_120539	1.02E+08	Hs.585524	NR_120539	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-472	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	47295348	47300675	+	0	NA	intron (N	AluY|SINE	-25901	NR_120569	1.02E+08	Hs.664956	NR_120568	ENSG00000	LOC101928	-	uncharact	ncRNA
chr11-671	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	67132121	67133511	+	0	NA	intron (N	MER5A|DNA	13553	NM_012308	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-102	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	Intergeni	MSTB|LTR|	41964	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr11-118	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	-20579	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr12-269	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr12	26956656	26958800	+	0	NA	exon (NM_	exon (NM_	19258	NM_001171	26127	Hs.591162	NM_015633	ENSG00000	FGFR1OP2	HSPC123-1	FGFR1 onc	protein-coding
chr12-486	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr12	48675963	48678411	+	0	NA	intron (N	intron (N	5051	NM_017822	54934	Hs.505412	NM_017822	ENSG00000	KANSL2	C12orf41|	KAT8 regu	protein-coding
chr12-543	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr12	54341175	54345401	+	0	NA	exon (NM_	exon (NM_	6072	NR_029894	442892		NR_029894	ENSG00000	MIR148B	MIRN148B|	microRNA	ncRNA
chr15-430	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr15	43068924	43073301	+	0	NA	intron (N	intron (N	34926	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-484	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr15	48498709	48502363	+	0	NA	intron (N	MIRb|SINE	145252	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding

chr15-632	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr15	63284390	63285716	+	0	NA	intron (N	intron (N	7448	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr15-846	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr15	84644817	84652584	+	0	NA	intron (N	intron (N	5546	NR_130944	84942	Hs.745027	NM_032856	ENSG00000	WDR73	GAMOS|GAM	WD repeat	protein-coding
chr15-898	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr15	89883594	89888712	+	0	NA	intron (N	AluSc5|SI	-2123	NR_049807	1.01E+08		NR_049807	ENSG00000	MIR5009	-	microRNA	ncRNA
chr16-163	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr16	16321359	16322929	+	0	NA	intron (N	MIR|SINE|	-2444	NR_106969	1.02E+08		NR_106969	ENSG00000	MIR6511A2	MIR6511A-	microRNA	ncRNA
chr16-667	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr16	66744081	66749641	+	0	NA	intron (N	MIRb|SINE	4748	NM_006141	1783	Hs.369068	NM_006141	ENSG00000	DYNC1LI2	DNCLI2|LI	dynein cy	protein-coding
chr17-356	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr17	35693916	35695855	+	0	NA	intron (N	AluSz|SIN	-36754	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr17-437	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr17	43768333	43774826	+	0	NA	intron (N	MIRb|SINE	7398	NM_004090	1845	Hs.181046	NM_004090	ENSG00000	DUSP3	VHR	dual spec	protein-coding
chr18-244	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr18	24440380	24446451	+	0	NA	intron (N	FLAM_C|SI	16745	NM_018439	55364	Hs.515317	NM_018439	ENSG00000	IMPACT	RWDD5	impact RW	protein-coding
chr2-6909	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr2	69090261	69094568	+	0	NA	intron (N	intron (N	-11268	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-1351	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	16664	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr2-1710	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	61187	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-1865	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	Intergeni	HERVK-int	35193	NM_018471	55854	Hs.741180	NM_018471	ENSG00000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr20-505	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr20	50562111	50567094	+	0	NA	intron (N	AluSz|SIN	-21184	NR_030375	693230		NR_030375	ENSG00000	MIR645	MIRN645|h	microRNA	ncRNA
chr21-392	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr21	39286973	39291414	+	0	NA	intron (N	L1MEg|LIN	24439	NM_018963	54014	Hs.627139	NM_018963	ENSG00000	BRWD1	C21orf107	bromodoma	protein-coding
chr22-176	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr22	17609895	17614059	+	0	NA	intron (N	L1M1|LINE	16772	NM_001696	529	Hs.517338	NM_001696	ENSG00000	ATP6V1E1	ARCL2C|AT	ATPase H+	protein-coding
chr3-1255	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	MER112|DN	5200	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting n	protein-coding
chr3-1969	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	MER21B|LT	-34415	NR_046630	1.01E+08	Hs.591671	NR_046630		NCBP2-AS1	-	NCBP2 ant	ncRNA
chr5-1788	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PREC2|L	15168	NM_058230	117608	Hs.724051	NM_058230	ENSG00000	ZNF354B	KID2	zinc fing	protein-coding
chr6-2464	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr6	24649019	24654604	+	0	NA	intron (N	AluSz|SIN	-5620	NM_001350	9856	Hs.26441	NM_014809	ENSG00000	KIAA0319	AAVR|DYLX	KIAA0319	protein-coding
chr6-7569	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr6	75695666	75697278	+	0	NA	intron (N	intron (N	-52767	NM_001368	4646	Hs.149387	NM_004999	ENSG00000	MYO6	DFNA22|DF	myosin VI	protein-coding
chr6-1586	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr6	1.59E+08	1.59E+08	+	0	NA	exon (NM_	exon (NM_	-1367	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr7-5724	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr7	5724052	5726363	+	0	NA	intron (N	intron (N	-13297	NR_106934	1.02E+08		NR_106934	ENSG00000	MIR6874	hsa-mir-6	microRNA	ncRNA
chr7-6657	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr7	66571958	66575661	+	0	NA	intron (N	intron (N	18598	NR_111974	493754	Hs.732409	NR_002933	ENSG00000	GS1-124K5	-	RAB guani	pseudo
chr7-1289	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	39838	NM_001364	3663	Hs.521181	NM_032643	ENSG00000	IRF5	SLEB10	interfero	protein-coding
chr7-1514	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-29047	NR_131779	155051	Hs.647104	NM_144727	ENSG00000	CRYGN	-	crystalli	protein-coding
chr8-3905	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr8	39058377	39064633	+	0	NA	intron (N	ERVL-B4-i	-42820	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr9-2182	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr9	21822802	21825415	+	0	NA	intron (N	L1PA5|LIN	21472	NM_002451	4507	Hs.193268	NM_002451	ENSG00000	MTAP	BDMF|DMSF	methylthi	protein-coding
chr9-3623	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr9	36232851	36235383	+	0	NA	exon (NM_	exon (NM_	24331	NM_001190	10020	Hs.5920	NM_005476	ENSG00000	GNE	DMRV|GLCN	glucosami	protein-coding
chr9-1131	8.178072	-0.03956	0.808735	-0.04891	0.960988	0.981636	chr9	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	17504	NM_001860	1318	Hs.24030	NM_001860	ENSG00000	SLC31A2	COPT2|CTR	solute ca	protein-coding
chr17-751	8.441064	0.040043	0.819596	0.048857	0.961033	0.981636	chr17	7511064	7511828	+	0	NA	exon (NM_	exon (NM_	27080	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr22-453	8.441064	0.040043	0.819596	0.048857	0.961033	0.981636	chr22	45327789	45328973	+	0	NA	intron (N	intron (N	9938	NM_001349	55007	Hs.265018	NM_017911	ENSG00000	FAM118A	C22orf8	family wi	protein-coding
chr1-4665	8.129074	-0.03997	0.820188	-0.04873	0.961133	0.981636	chr1	46654658	46656008	+	0	NA	intron (N	intron (N	10545	NM_001256	64756	Hs.100874	NM_022745	ENSG00000	ATPAF1	ATP11|ATF	ATP synth	protein-coding
chr14-994	8.129074	-0.03997	0.820188	-0.04873	0.961133	0.981636	chr14	99457200	99458113	+	0	NA	intron (N	intron (N	23203	NM_199123	84193	Hs.510407	NM_032233	ENSG00000	SETD3	C14orf154	SET domai	protein-coding
chr4-5187	8.129074	-0.03997	0.820188	-0.04873	0.961133	0.981636	chr4	51875948	51877657	+	0	NA	intron (N	MER8|DNA|	33223	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr5-1129	8.129074	-0.03997	0.820188	-0.04873	0.961133	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx|SIN	21261	NM_005669	7905	Hs.429608	NM_005669	ENSG00000	REEP5	C5orf18|D	receptor	protein-coding
chr6-1113	8.129074	-0.03997	0.820188	-0.04873	0.961133	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA4A|LI	-86171	NR_034108	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr4-1094	10.83618	0.034923	0.718446	0.048609	0.961231	0.981636	chr4	1.09E+08	1.09E+08	+	0	NA	intron (N	MLT1D|LTR	-12516	NR_039978	1.01E+08	Hs.518927	NR_039978	ENSG00000	SEC24B-AS	1/2-SBSRN	SEC24B ar	ncRNA
chr7-1026	9.829134	0.036514	0.751348	0.048598	0.96124	0.981636	chr7	1.03E+08	1.03E+08	+	0	NA	Intergeni	Intergeni	10630	NM_001114	1E+08	Hs.610255	NM_001114	ENSG00000	UPK3BL1	UPK3BL|UF	uroplakin	protein-coding
chr8-9424	9.829134	0.036514	0.751348	0.048598	0.96124	0.981636	chr8	94249616	94249845	+	0	NA	3’ UTR (N	3’ UTR (N	12589	NM_181702	2669	Hs.654463	NM_005261	ENSG00000	GEM	KIR	GTP bindi	protein-coding
chr9-4102	9.829134	0.036514	0.751348	0.048598	0.96124	0.981636	chr9	41023076	41023847	+	0	NA	intron (N	L1PA2|LIN	31200	NR_034006	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr1-1237	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	12378507	12380415	+	0	NA	intron (N	intron (N	-127785	NR_003025	677885	Hs.658450	NR_003025	ENSG00000	SNORA59A	ACA59	small nuc	snoRNA
chr1-2689	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	26893067	26896734	+	0	NA	intron (N	MIRb|SINE	-4617	NM_018066	54707	Hs.14333	NM_018066	ENSG00000	GPN2	ATPBD1B	GPN-loop	protein-coding
chr1-3912	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	39125928	39126917	+	0	NA	intron (N	MLT1C|LTR	42255	NM_012090	23499	Hs.472475	NM_012090	ENSG00000	MACF1	ABP620|AC	microtubu	protein-coding
chr1-3938	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	39388866	39390985	+	0	NA	intron (N	Charlie16	-19148	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-6661	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	66610069	66612944	+	0	NA	intron (N	intron (N	-16934	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-8896	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr1	88960537	88966032	+	0	NA	intron (N	L2a|LINE|	29345	NM_001162	494115	Hs.481898	NM_019610	ENSG00000	RBMXL1	RBM1	RBMX like	protein-coding
chr10-805	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr10	80512036	80515670	+	0	NA	intron (N	MER58B|DN	22089	NR_120661	1.02E+08	Hs.593663	NR_120661	ENSG00000	LOC101929	-	uncharact	ncRNA
chr10-100	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr10	1E+08	1E+08	+	0	NA	intron (N	AluJr|SIN	2968	NM_001001	282991	Hs.34906	NM_173809	ENSG00000	BLOC1S2	BLOS2|BOR	biogenesi	protein-coding
chr10-103	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	18106	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr11-918	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr11	9187851	9193762	+	0	NA	intron (N	HAL1b|LIN	74520	NR_145966	23258	Hs.501857	NM_015213	ENSG00000	DENND5A	EIEE49|RA	DENN doma	protein-coding
chr11-680	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr11	68043314	68045575	+	0	NA	promoter-	promoter-	-350	NR_106811	1.02E+08		NR_106811	ENSG00000	MIR6753	hsa-mir-6	microRNA	ncRNA
chr11-754	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr11	75412872	75415802	+	0	NA	intron (N	AluY|SINE	9916	NR_000025	114599	Hs.689080	NR_000025	ENSG00000	SNORD15B	RNU15B|U1	small nuc	snoRNA
chr11-113	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr11	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	14929	NM_004724	9183	Hs.503886	NM_004724	ENSG00000	ZW10	HZW10|KNT	zw10 kine	protein-coding
chr11-117	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	exon (NM_	exon (NM_	16317	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr12-487	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr12	48768152	48769718	+	0	NA	intron (N	intron (N	3102	NR_039850	1.01E+08		NR_039850	ENSG00000	MIR4701	-	microRNA	ncRNA
chr12-770	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr12	77044161	77047280	+	0	NA	intron (N	intron (N	19849	NM_203394	144455	Hs.416375	NM_203394	ENSG00000	E2F7	-	E2F trans	protein-coding
chr12-111	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	54101	NM_002973	6311	Hs.76253	NM_002973	ENSG00000	ATXN2	ATX2|SCA2	ataxin 2	protein-coding
chr12-124	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-13644	NR_106940	1.02E+08		NR_106940	ENSG00000	MIR6880	hsa-mir-6	microRNA	ncRNA
chr14-203	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr14	20351101	20354128	+	0	NA	intron (N	AluJo|SIN	9000	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr15-731	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr15	73130444	73130965	+	0	NA	intron (N	L1MDa|LIN	78220	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NC	neogenin	protein-coding
chr15-896	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr15	89629593	89636187	+	0	NA	exon (NM_	exon (NM_	22577	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr16-862	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr16	8627127	8629658	+	0	NA	intron (N	MIR|SINE|	6694	NR_134608	79091	Hs.306380	NM_024109	ENSG00000	METTL22	C16orf68	methyltra	protein-coding
chr16-185	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr16	18507205	18508862	+	0	NA	intron (N	L1M4c|LIN	-13457	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr16-249	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr16	24936307	24939423	+	0	NA	intron (N	intron (N	77504	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr17-170	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr17	17077864	17079515	+	0	NA	intron (N	intron (N	35929	NM_201274	23164	Hs.462341	NM_015134	ENSG00000	MPRIP	M-RIP|MRI	myosin ph	protein-coding
chr17-287	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr17	28780322	28781062	+	0	NA	intron (N	AluSq2|SI	31779	NM_001288	55731	Hs.564533	NM_018182	ENSG00000	FAM222B	C17orf63	family wi	protein-coding
chr17-370	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr17	37000087	37001770	+	0	NA	intron (N	AluJo|SIN	-32817	NR_036056	1E+08		NR_036056	ENSG00000	MIR2909	-	microRNA	ncRNA
chr18-217	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr18	21782784	21786454	+	0	NA	intron (N	LTR13_|LT	41166	NR_029675	406922		NR_029675	ENSG00000	MIR133A1	MIRN133A1	microRNA	ncRNA
chr18-542	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr18	54277598	54279133	+	0	NA	intron (N	intron (N	8791	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr18-576	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr18	57684868	57686815	+	0	NA	intron (N	AluSx|SIN	55510	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr19-171	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr19	17145180	17147418	+	0	NA	intron (N	(GATG)n|S	54064	NR_145784	1.1E+08		NR_145784		SNORA118	-	small nuc	snoRNA
chr19-210	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr19	21033746	21034709	+	0	NA	intron (N	intron (N	13570	NM_001172	80264	Hs.729202	NM_025189	ENSG00000	ZNF430	-	zinc fing	protein-coding
chr19-413	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr19	41342880	41345086	+	0	NA	intron (N	AluJb|SIN	9939	NM_000660	7040	Hs.645227	NM_000660	ENSG00000	TGFB1	CED|DPD1|	transform	protein-coding
chr19-422	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr19	42229415	42232222	+	0	NA	exon (NM_	exon (NM_	10506	NM_133444	116115	Hs.137282	NM_133444	ENSG00000	ZNF526	-	zinc fing	protein-coding
chr2-3422	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr2	3422300	3426924	+	0	NA	exon (NM_	exon (NM_	44918	NM_016030	51112	Hs.252713	NM_016030	ENSG00000	TRAPPC12	CGI-87|PE	trafficki	protein-coding
chr2-7135	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr2	71356490	71359606	+	0	NA	intron (N	MLT1C|LTR	26266	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr2-7564	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr2	75649330	75651795	+	0	NA	intron (N	intron (N	3779	NM_014763	9801	Hs.44024	NM_014763	ENSG00000	MRPL19	L19mt|MRP	mitochond	protein-coding
chr2-1700	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-101659	NR_045682	140469	Hs.671900	NM_138995	ENSG00000	MYO3B	-	myosin II	protein-coding
chr2-1975	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr2	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	9525	NM_001204	25843	Hs.633165	NM_015387	ENSG00000	MOB4	2C4D|CGI-	MOB famil	protein-coding
chr20-395	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr20	3959333	3964921	+	0	NA	intron (N	AluJb|SIN	-44564	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr20-942	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr20	9423422	9426155	+	0	NA	intron (N	MIR|SINE|	-89570	NM_001199	24141	Hs.22920	NM_012261	ENSG00000	LAMP5	BAD-LAMP|	lysosomal	protein-coding
chr22-176	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr22	17655666	17663068	+	0	NA	intron (N	AluSg7|SI	3705	NR_073069	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr22-383	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr22	38308193	38310750	+	0	NA	intron (N	AluSz|SIN	7962	NM_152221	1454	Hs.474833	NM_001894	ENSG00000	CSNK1E	CKIe|CKIe	casein ki	protein-coding
chr3-9758	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr3	9758524	9759745	+	0	NA	intron (N	L2b|LINE|	9190	NM_002542	4968	Hs.380271	NM_002542	ENSG00000	OGG1	HMMH|HOGG	8-oxoguan	protein-coding
chr3-5249	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr3	52490213	52493216	+	0	NA	intron (N	intron (N	-3624	NM_015136	23166	Hs.301989	NM_015136	ENSG00000	STAB1	CLEVER-1|	stabilin	protein-coding
chr3-1252	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSx|SIN	-44601	NM_024628	84561	Hs.658514	NM_024628	ENSG00000	SLC12A8	CCC9	solute ca	protein-coding
chr4-2742	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr4	2742850	2744365	+	0	NA	intron (N	intron (N	12729	NM_024309	79155	Hs.368551	NM_024309	ENSG00000	TNIP2	ABIN2|FLI	TNFAIP3 i	protein-coding
chr5-1347	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	8875	NM_014829	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr6-2047	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr6	20479860	20483939	+	0	NA	intron (N	intron (N	-52558	NM_017774	54901	Hs.657604	NM_017774	ENSG00000	CDKAL1	-	CDK5 regu	protein-coding
chr6-9654	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr6	96547878	96554567	+	0	NA	intron (N	intron (N	-11303	NM_020482	9457	Hs.632608	NM_020482	ENSG00000	FHL5	1700027G0	four and	protein-coding
chr7-4766	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr7	4766813	4767243	+	0	NA	3’ UTR (N	3’ UTR (N	-8595	NM_001364	9907	Hs.558440	NM_014855	ENSG00000	AP5Z1	KIAA0415|	adaptor r	protein-coding
chr7-4377	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr7	43771394	43773965	+	0	NA	intron (N	THE1D|LTR	13999	NM_000712	644	Hs.488143	NM_000712	ENSG00000	BLVRA	BLVR|BVR|	biliverdi	protein-coding
chr7-4438	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr7	44388534	44389899	+	0	NA	intron (N	intron (N	-63585	NM_172079	816	Hs.351887	NM_001220	ENSG00000	CAMK2B	CAM2|CAMK	calcium/c	protein-coding
chr7-1407	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-8557	NR_024454	1E+08	Hs.534141	NR_024454	ENSG00000	NDUFB2-AS	-	NDUFB2 ar	ncRNA
chr8-6317	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr8	63179253	63180620	+	0	NA	intron (N	SVA_D|Ret	10933	NM_001277	253943	Hs.491861	NM_152758	ENSG00000	YTHDF3	-	YTH N6-me	protein-coding
chr8-9919	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr8	99196596	99196966	+	0	NA	intron (N	L1MA7|LIN	183515	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr9-9265	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr9	92651412	92652227	+	0	NA	intron (N	AluSx1|SI	18312	NM_022755	64768	Hs.459896	NM_022755	ENSG00000	IPPK	C9orf12|I	inositol-	protein-coding
chr9-1207	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	24211	NM_012164	26190	Hs.494985	NM_012164	ENSG00000	FBXW2	FBW2|Fwd2	F-box and	protein-coding
chr9-1222	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-5278	NM_001173	92399	Hs.368011	NM_138777	ENSG00000	MRRF	MRFF|MTRF	mitochond	protein-coding
chr9-1368	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	intron (N	AluSx3|SI	13197	NR_039697	1.01E+08		NR_039697	ENSG00000	MIR4479	-	microRNA	ncRNA
chrX-4575	6.91386	0.042419	0.873996	0.048534	0.96129	0.981636	chrX	45759767	45762270	+	0	NA	Intergeni	Intergeni	-13894	NR_029636	407007		NR_029636	ENSG00000	MIR222	MIRN222|m	microRNA	ncRNA
chr5-1508	8.343069	0.039614	0.817151	0.048478	0.961335	0.981636	chr5	1508799	1509023	+	0	NA	intron (N	intron (N	1945	NR_106723	1.02E+08		NR_106723	ENSG00000	MIR6075	hsa-mir-6	microRNA	ncRNA
chr12-130	4.477609	0.052046	1.075674	0.048384	0.96141	0.981636	chr12	1.31E+08	1.31E+08	+	0	NA	intron (N	MER4CL34|	30896	NM_001351	2054	Hs.437585	NM_001980	ENSG00000	STX2	EPIM|EPM|	syntaxin	protein-coding
chr14-203	6.709573	-0.04365	0.902866	-0.04835	0.961437	0.981636	chr14	20366840	20367305	+	0	NA	3’ UTR (N	3’ UTR (N	23458	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr15-655	6.709573	-0.04365	0.902866	-0.04835	0.961437	0.981636	chr15	65595503	65595979	+	0	NA	exon (NM_	exon (NM_	15390	NM_001366	81556	Hs.6686	NM_030800	ENSG00000	INTS14	C15orf44|	integrato	protein-coding
chr16-223	6.709573	-0.04365	0.902866	-0.04835	0.961437	0.981636	chr16	22312339	22312701	+	0	NA	intron (N	L1MB7|LIN	15111	NM_001258	55718	Hs.460298	NM_018119	ENSG00000	POLR3E	RPC5|SIN	RNA polym	protein-coding
chr6-1523	6.709573	-0.04365	0.902866	-0.04835	0.961437	0.981636	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	L4_A_Mam|	-6046	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr12-277	8.615954	-0.03834	0.795658	-0.04819	0.961563	0.981636	chr12	27715719	27717858	+	0	NA	intron (N	AluSx1|SI	5956	NM_021821	60488	Hs.714076	NM_021821	ENSG00000	MRPS35	HDCMD11P|	mitochond	protein-coding
chr16-329	8.615954	-0.03834	0.795658	-0.04819	0.961563	0.981636	chr16	3299580	3300533	+	0	NA	exon (NM_	exon (NM_	-5350	NM_153028	7627	Hs.513292	NM_153028	ENSG00000	ZNF75A	-	zinc fing	protein-coding
chr8-3883	8.615954	-0.03834	0.795658	-0.04819	0.961563	0.981636	chr8	38831371	38832404	+	0	NA	intron (N	AluSq2|SI	26437	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr1-1698	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr1	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	40892	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr1-1737	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	L1PB1|LIN	21463	NM_014458	27252	Hs.495035	NM_014458	ENSG00000	KLHL20	KHLHX|KLF	kelch lik	protein-coding
chr10-103	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSc|SIN	4754	NM_001011	84108	Hs.335808	NM_032154	ENSG00000	PCGF6	MBLR|RNF1	polycomb	protein-coding
chr11-123	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJo|SIN	-34690	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-105	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	27799	NM_001251	55198	Hs.506603	NM_018171	ENSG00000	APPL2	DIP13B	adaptor p	protein-coding
chr12-108	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	10633	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr12-108	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJo|SIN	-10071	NR_030350	693204		NR_030350	ENSG00000	MIR619	MIRN619|h	microRNA	ncRNA
chr12-132	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	6840	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr13-322	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr13	32239091	32242848	+	0	NA	intron (N	intron (N	70985	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr14-676	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr14	67648619	67650764	+	0	NA	3’ UTR (N	3’ UTR (N	24941	NM_006370	10490	Hs.741177	NM_006370	ENSG00000	VTI1B	VTI1|VTI1	vesicle t	protein-coding
chr14-965	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr14	96524542	96526568	+	0	NA	intron (N	intron (N	22690	NM_001293	10914	Hs.253726	NM_032632	ENSG00000	PAPOLA	PAP|PAP-a	poly(A) p	protein-coding
chr15-445	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr15	44588839	44592930	+	0	NA	intron (N	intron (N	53737	NM_003758	8669	Hs.404056	NM_003758	ENSG00000	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr15-518	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr15	51896118	51901822	+	0	NA	intron (N	intron (N	25150	NR_109775	1E+08	Hs.664788	NR_109775		LOC100422	-	LEO1 homo	pseudo

chr17-676	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr17	6760137	6763590	+	0	NA	intron (N	intron (N	5817	NM_001353	54739	Hs.441975	NM_017523	ENSG00000	XAF1	BIRC4BP|H	XIAP asso	protein-coding
chr17-785	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr17	7853337	7854278	+	0	NA	3’ UTR (N	3’ UTR (N	-1259	NM_203411	92162	Hs.389669	NM_203411	ENSG00000	TMEM88	-	transmemb	protein-coding
chr17-760	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr17	76092776	76095045	+	0	NA	intron (N	intron (N	4166	NR_106928	1.02E+08		NR_106928	ENSG00000	MIR6868	hsa-mir-6	microRNA	ncRNA
chr19-674	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	6746579	6752733	+	0	NA	intron (N	AluJo|SIN	9976	NR_110231	9322	Hs.515094	NM_004240	ENSG00000	TRIP10	CIP4|HSTP	thyroid h	protein-coding
chr19-103	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	10352271	10355265	+	0	NA	intron (N	intron (N	-14144	NM_001320	3385	Hs.654563	NM_002162	ENSG00000	ICAM3	CD50|CDW5	intercell	protein-coding
chr19-144	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	14463558	14464611	+	0	NA	exon (NM_	exon (NM_	11270	NM_000955	5731	Hs.159360	NM_000955	ENSG00000	PTGER1	EP1	prostagla	protein-coding
chr19-144	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	14492474	14492777	+	0	NA	intron (N	intron (N	3502	NM_005716	10755	Hs.655012	NM_005716	ENSG00000	GIPC1	C19orf3|G	GIPC PDZ	protein-coding
chr19-387	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	38707848	38711211	+	0	NA	intron (N	intron (N	34945	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr19-413	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	41302490	41308158	+	0	NA	intron (N	MIR|SINE|	-4848	NM_052848	90324	Hs.437497	NM_052848	ENSG00000	CCDC97	-	coiled-co	protein-coding
chr19-583	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr19	58311765	58315134	+	0	NA	intron (N	AluSg7|SI	8075	NR_144445	1.05E+08	Hs.435404	NR_144445	ENSG00000	ERVK3-1	-	endogenou	ncRNA
chr2-2733	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr2	27339137	27343584	+	0	NA	intron (N	L1MB4|LIN	5818	NR_038427	1.01E+08	Hs.666503	NR_038427	ENSG00000	GTF3C2-AS	-	GTF3C2 an	ncRNA
chr2-2191	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	2372	NM_001321	79137	Hs.516707	NM_024293	ENSG00000	RETREG2	C2orf17|F	reticulop	protein-coding
chr2-2303	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-21214	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr20-322	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr20	32214870	32217592	+	0	NA	intron (N	MIR3|SINE	8351	NM_015352	23509	Hs.472409	NM_015352	ENSG00000	POFUT1	DDD2|FUT1	protein O	protein-coding
chr20-573	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr20	57365658	57371100	+	0	NA	intron (N	intron (N	-8881	NM_001190	1E+08		NM_001190	ENSG00000	MTRNR2L3	HN3	MT-RNR2 l	protein-coding
chr3-1003	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	intron (N	33142	NM_014820	9868	Hs.227253	NM_014820	ENSG00000	TOMM70	TOMM70A|T	transloca	protein-coding
chr5-1727	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr5	17274446	17277772	+	0	NA	3’ UTR (N	3’ UTR (N	58478	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr5-1093	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr5	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSq2|SI	-17564	NR_149040	285638	Hs.532104	NR_149040	ENSG00000	LOC285638	-	uncharact	ncRNA
chr5-1501	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	MLT1K|LTR	-6059	NM_005211	1436	Hs.586219	NM_005211	ENSG00000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr5-1501	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	MIR3|SINE	20723	NM_001355	5159	Hs.509067	NM_002609	ENSG00000	PDGFRB	CD140B|IE	platelet	protein-coding
chr6-8221	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr6	82219860	82225351	+	0	NA	intron (N	Tigger13a	25139	NM_001300	25998	Hs.306425	NM_015525	ENSG00000	IBTK	BTBD26|BT	inhibitor	protein-coding
chr6-8340	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr6	83405952	83407534	+	0	NA	intron (N	MLT2D|LTR	24308	NM_002395	4199	Hs.21160	NM_002395	ENSG00000	ME1	HUMNDME|M	malic enz	protein-coding
chr6-8986	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr6	89860908	89863349	+	0	NA	exon (NM_	exon (NM_	32228	NM_012115	9994	Hs.558218	NM_012115	ENSG00000	CASP8AP2	CED-4|FLA	caspase 8	protein-coding
chr7-4469	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr7	44696292	44700530	+	0	NA	intron (N	intron (N	-50155	NM_001300	83637	Hs.77978	NM_031449	ENSG00000	ZMIZ2	NET27|TRA	zinc fing	protein-coding
chr7-1572	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr7	1.57E+08	1.57E+08	+	0	NA	intron (N	L1MB8|LIN	-77543	NM_005494	10049	Hs.490745	NM_005494	ENSG00000	DNAJB6	DJ4|DnaJ|	DnaJ heat	protein-coding
chr8-6705	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr8	67053094	67060020	+	0	NA	exon (NM_	exon (NM_	5576	NM_006837	10987	Hs.491912	NM_006837	ENSG00000	COPS5	CSN5|JAB1	COP9 sign	protein-coding
chr8-6717	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr8	67178999	67180391	+	0	NA	intron (N	intron (N	95847	NM_001291	79848	Hs.370147	NM_024790	ENSG00000	CSPP1	CSPP|JBTS	centrosom	protein-coding
chr9-5659	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr9	5659627	5661184	+	0	NA	intron (N	L1PA11|LI	31286	NM_001206	57589	Hs.211520	NM_020829	ENSG00000	RIC1	CIP150|KI	RIC1 homo	protein-coding
chr9-1222	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSc|SIN	-14022	NM_014368	26468	Hs.103137	NM_014368	ENSG00000	LHX6	LHX6.1	LIM homeo	protein-coding
chr9-1243	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	MIR|SINE|	15753	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr9-1243	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-27768	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr9-1363	8.664952	-0.03792	0.788471	-0.0481	0.961639	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	10516	NM_015597	26086	Hs.239370	NM_015597	ENSG00000	GPSM1	AGS3	G protein	protein-coding
chr1-3888	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr1	3888611	3891168	+	0	NA	3’ UTR (N	3’ UTR (N	10383	NM_207356	339448	Hs.103939	NM_207356	ENSG00000	C1orf174	-	chromosom	protein-coding
chr1-6264	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr1	62641129	62642362	+	0	NA	intron (N	intron (N	44225	NM_014495	27329	Hs.209153	NM_014495	ENSG00000	ANGPTL3	ANG-5|ANG	angiopoie	protein-coding
chr1-1124	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	25905	NR_036210	1E+08		NR_036210	ENSG00000	MIR4256	-	microRNA	ncRNA
chr10-960	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr10	96057205	96060174	+	0	NA	3’ UTR (N	3’ UTR (N	5710	NR_036113	1E+08		NR_036113	ENSG00000	MIR3157	mir-3157	microRNA	ncRNA
chr11-117	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	AluSz|SIN	12265	NM_014956	22897	Hs.504009	NM_014956	ENSG00000	CEP164	NPHP15	centrosom	protein-coding
chr13-197	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr13	19756725	19758506	+	0	NA	intron (N	MER51B|LT	25330	NM_001354	55269	Hs.213198	NM_001042	ENSG00000	PSPC1	PSP1	paraspeck	protein-coding
chr13-955	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr13	95592629	95594120	+	0	NA	intron (N	intron (N	40654	NM_006984	9071	Hs.534377	NM_006984	ENSG00000	CLDN10	CPETRL3|H	claudin 1	protein-coding
chr13-110	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	38838	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr14-103	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MD2|LIN	50129	NM_001823	1152	Hs.173724	NM_001823	ENSG00000	CKB	B-CK|BCK|	creatine	protein-coding
chr16-224	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr16	2242402	2246724	+	0	NA	intron (N	intron (N	7024	NM_001178	1632	Hs.403436	NM_001919	ENSG00000	ECI1	DCI	enoyl-CoA	protein-coding
chr17-160	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr17	16018663	16020138	+	0	NA	intron (N	L1ME3Cz|L	19576	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr19-159	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr19	1595324	1599735	+	0	NA	3’ UTR (N	3’ UTR (N	-4664	NM_001281	53615	Hs.178728	NM_003926	ENSG00000	MBD3	-	methyl-Cp	protein-coding
chr19-102	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr19	10254460	10256174	+	0	NA	intron (N	L2b|LINE|	3103	NM_015956	51073	Hs.279652	NM_015956	ENSG00000	MRPL4	CGI-28|L4	mitochond	protein-coding
chr19-369	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr19	36918210	36919365	+	0	NA	intron (N	L1MB3|LIN	2455	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr2-3703	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr2	37037330	37038662	+	0	NA	exon (NM_	exon (NM_	46376	NM_019024	54497	Hs.744084	NM_019024	ENSG00000	HEATR5B	-	HEAT repe	protein-coding
chr2-2083	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	36351	NM_001178	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr3-4903	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr3	49030378	49033075	+	0	NA	intron (N	intron (N	-2328	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr4-1222	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	MIR|SINE|	88671	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr4-1866	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	64901	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-5692	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr5	56929791	56931223	+	0	NA	intron (N	intron (N	20445	NM_001323	133383	Hs.85950	NM_153706	ENSG00000	SETD9	C5orf35	SET domai	protein-coding
chr9-1100	7.392882	0.040784	0.848977	0.048039	0.961686	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	15661	NM_001198	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr11-592	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr11	59201867	59202695	+	0	NA	intron (N	MIRb|SINE	10646	NM_001039	219972	Hs.744920	NM_001039	ENSG00000	MPEG1	MPG1|MPS1	macrophag	protein-coding
chr11-116	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-88307	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr12-104	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	MER1B|DNA	6600	NM_152318	121053	Hs.295563	NM_152318	ENSG00000	C12orf45	-	chromosom	protein-coding
chr13-459	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr13	45974625	45975248	+	0	NA	intron (N	AluSz6|SI	77810	NM_001330	23091	Hs.136102	NM_015070	ENSG00000	ZC3H13	KIAA0853|	zinc fing	protein-coding
chr14-214	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr14	21460901	21462002	+	0	NA	intron (N	intron (N	-5328	NM_001170	57680	Hs.530698	NM_020920	ENSG00000	CHD8	AUTS18|HE	chromodom	protein-coding
chr15-507	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr15	50721593	50721840	+	0	NA	intron (N	AluSc|SIN	-34919	NR_149153	54822	Hs.512894	NM_017672	ENSG00000	TRPM7	ALSPDC|CH	transient	protein-coding
chr16-507	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr16	50766674	50766959	+	0	NA	intron (N	Tigger1|D	24511	NR_130462	1E+08		NR_130462	ENSG00000	MIR3181	-	microRNA	ncRNA
chr2-3976	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr2	39768074	39770427	+	0	NA	intron (N	intron (N	10008	NM_025264	80745	Hs.468254	NM_025264	ENSG00000	THUMPD2	C2orf8	THUMP dom	protein-coding
chr2-5563	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr2	55639382	55641147	+	0	NA	intron (N	AluSc|SIN	-22642	NM_020463	57223	Hs.516182	NM_020463	ENSG00000	PPP4R3B	FLFL2|PP4	protein p	protein-coding
chr3-3340	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr3	33406603	33407292	+	0	NA	intron (N	intron (N	33431	NM_001128	7342	Hs.729120	NM_014517	ENSG00000	UBP1	LBP-1B|LB	upstream	protein-coding
chr3-1393	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	7581	NM_001363	56945	Hs.745001	NM_020191	ENSG00000	MRPS22	C3orf5|CO	mitochond	protein-coding
chr4-1025	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	-80305	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr5-5535	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr5	55358090	55359406	+	0	NA	intron (N	intron (N	50759	NM_015360	23517	Hs.274531	NM_015360	ENSG00000	MTREX	Dob1|KIAA	Mtr4 exos	protein-coding
chr7-9829	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr7	98290312	98290762	+	0	NA	intron (N	AluSx|SIN	8851	NM_015379	25798	Hs.567438	NM_015379	ENSG00000	BRI3	I3	brain pro	protein-coding
chr7-1000	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSx|SIN	3769	NM_001287	7586	Hs.615360	NM_003439	ENSG00000	ZKSCAN1	KOX18|PHZ	zinc fing	protein-coding
chr9-1143	7.196453	-0.04154	0.865417	-0.048	0.961716	0.981636	chr9	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSx1|SI	25672	NM_000608	5005	Hs.719954	NM_000608	ENSG00000	ORM2	AGP-B|AGP	orosomuco	protein-coding
chr10-805	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr10	80515684	80516126	+	0	NA	intron (N	intron (N	20037	NR_120661	1.02E+08	Hs.593663	NR_120661	ENSG00000	LOC101929	-	uncharact	ncRNA
chr14-911	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr14	91132091	91134051	+	0	NA	intron (N	AluSx1|SI	6645	NR_003709	1E+08	Hs.693444	NR_003709	ENSG00000	SNORA11B	-	small nuc	snoRNA
chr15-249	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr15	24994249	24995109	+	0	NA	intron (N	intron (N	7754	NR_001292	338427		NR_001292	ENSG00000	SNORD108	HBII-437	small nuc	snoRNA
chr16-314	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr16	31463875	31464936	+	0	NA	exon (NM_	exon (NM_	5409	NM_001105	79798	Hs.732945	NM_024742	ENSG00000	ARMC5	AIMAH2	armadillo	protein-coding
chr17-421	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr17	42116676	42117173	+	0	NA	intron (N	intron (N	-4210	NM_024119	79132	Hs.55918	NM_024119	ENSG00000	DHX58	D11LGP2|D	DExH-box	protein-coding
chr5-5078	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr5	50788790	50789551	+	0	NA	intron (N	intron (N	121756	NM_001331	79668	Hs.369581	NM_024615	ENSG00000	PARP8	ARTD16|pA	poly(ADP-	protein-coding
chr5-1194	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	42421	NM_000414	3295	Hs.406861	NM_000414	ENSG00000	HSD17B4	DBP|MFE-2	hydroxyst	protein-coding
chr9-1281	4.956631	0.048741	1.02135	0.047723	0.961937	0.981636	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	L2c|LINE|	2257	NM_024112	79095	Hs.522412	NM_024112	ENSG00000	C9orf16	EST00098	chromosom	protein-coding
chr1-1934	7.44188	0.040952	0.858394	0.047708	0.961949	0.981636	chr1	19342350	19344082	+	0	NA	intron (N	intron (N	30890	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr15-857	7.44188	0.040952	0.858394	0.047708	0.961949	0.981636	chr15	85735023	85736632	+	0	NA	intron (N	intron (N	22898	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr16-314	7.44188	0.040952	0.858394	0.047708	0.961949	0.981636	chr16	31492390	31494090	+	0	NA	intron (N	intron (N	10117	NM_003041	6524	Hs.709195	NM_003041	ENSG00000	SLC5A2	SGLT2	solute ca	protein-coding
chr19-497	7.44188	0.040952	0.858394	0.047708	0.961949	0.981636	chr19	49706018	49706422	+	0	NA	intron (N	intron (N	15104	NR_108072	126129	Hs.112195	NM_152359	ENSG00000	CPT1C	CATL1|CPT	carnitine	protein-coding
chr9-1122	7.44188	0.040952	0.858394	0.047708	0.961949	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSz|SIN	-54277	NM_001282	64420	Hs.494827	NM_022486	ENSG00000	SUSD1	-	sushi dom	protein-coding
chr1-3552	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr1	35529834	35531460	+	0	NA	intron (N	L1M2|LINE	26756	NM_024874	79932	Hs.456507	NM_024874	ENSG00000	KIAA0319L	AAVR|AAVR	KIAA0319	protein-coding
chr1-1238	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2326195	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-270	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr19	27045059	27046205	+	0	NA	Intergeni	ALR/Alpha	-747799	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-556	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr19	55616578	55617809	+	0	NA	3’ UTR (N	3’ UTR (N	3600	NM_001195	1.01E+08	Hs.729114	NM_001195	ENSG00000	ZNF865	-	zinc fing	protein-coding
chr2-3258	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr2	32582117	32582883	+	0	NA	intron (N	AluSx|SIN	-7682	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr20-458	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr20	45841528	45844399	+	0	NA	3’ UTR (N	3’ UTR (N	9164	NM_001042	90203	Hs.472854	NM_033421	ENSG00000	SNX21	C20orf161	sorting n	protein-coding
chr21-463	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr21	46334549	46335189	+	0	NA	intron (N	intron (N	10202	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr3-5836	7.920902	0.039536	0.828888	0.047698	0.961957	0.981636	chr3	58369882	58370746	+	0	NA	intron (N	intron (N	37008	NM_001349	54899	Hs.190544	NM_017771	ENSG00000	PXK	MONAKA|SL	PX domain	protein-coding
chr1-1469	9.102835	-0.0369	0.774911	-0.04762	0.962019	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	32540	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr14-885	9.102835	-0.0369	0.774911	-0.04762	0.962019	0.981636	chr14	88568128	88570665	+	0	NA	intron (N	intron (N	6049	NM_001326	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr6-1175	6.962858	0.042567	0.894035	0.047612	0.962025	0.981636	chr6	1.18E+08	1.18E+08	+	0	NA	intron (N	L2a|LINE|	12426	NM_001017	57120	Hs.191539	NM_020399	ENSG00000	GOPC	CAL|FIG|G	golgi ass	protein-coding
chr10-780	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr10	7807017	7808254	+	0	NA	intron (N	intron (N	-10870	NM_031923	83860	Hs.527688	NM_031923	ENSG00000	TAF3	TAF140|TA	TATA-box	protein-coding
chr2-2759	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr2	27599642	27599935	+	0	NA	intron (N	intron (N	16746	NM_032434	84450	Hs.529178	NM_032434	ENSG00000	ZNF512	-	zinc fing	protein-coding
chr2-2417	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	MLT2D|LTR	-16621	NM_022134	64090	Hs.632556	NM_022134	ENSG00000	GAL3ST2	GAL3ST-2|	galactose	protein-coding
chr20-458	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr20	45894038	45895676	+	0	NA	exon (NM_	exon (NM_	-3570	NM_080749	140825	Hs.517094	NM_080749	ENSG00000	NEURL2	C20orf163	neuralize	protein-coding
chr4-2490	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr4	2490587	2492767	+	0	NA	intron (N	AluSx1|SI	22224	NM_001185	6047	Hs.66394	NM_002938	ENSG00000	RNF4	RES4-26|S	ring fing	protein-coding
chr5-1505	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz|SIN	20621	NM_001543	3340	Hs.222055	NM_001543	ENSG00000	NDST1	HSST|MRT4	N-deacety	protein-coding
chr8-4320	8.399925	0.03827	0.804147	0.047591	0.962042	0.981636	chr8	43200146	43200859	+	0	NA	3’ UTR (N	3’ UTR (N	60038	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr1-1539	7.871905	0.039312	0.827953	0.047481	0.96213	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	MIR|SINE|	14592	NM_020699	57459	Hs.4779	NM_020699	ENSG00000	GATAD2B	MRD18|P66	GATA zinc	protein-coding
chr14-925	7.871905	0.039312	0.827953	0.047481	0.96213	0.981636	chr14	92567199	92567398	+	0	NA	intron (N	MLT1H|LTR	-8936	NM_001319	79890	Hs.326822	NM_024832	ENSG00000	RIN3	-	Ras and R	protein-coding
chr18-131	7.871905	0.039312	0.827953	0.047481	0.96213	0.981636	chr18	13117656	13118805	+	0	NA	intron (N	intron (N	-100530	NM_181482	753	Hs.697787	NM_004338	ENSG00000	LDLRAD4	C18orf1	low densi	protein-coding
chr20-453	7.871905	0.039312	0.827953	0.047481	0.96213	0.981636	chr20	45339461	45341666	+	0	NA	intron (N	intron (N	7861	NM_002999	6385	Hs.632267	NM_002999	ENSG00000	SDC4	SYND4	syndecan	protein-coding
chr15-328	6.38584	0.043907	0.924758	0.04748	0.962131	0.981636	chr15	32897236	32897800	+	0	NA	intron (N	intron (N	170656	NM_001103	342184	Hs.657649	NM_198500	ENSG00000	FMN1	FMN|LD	formin 1	protein-coding
chr3-3726	6.38584	0.043907	0.924758	0.04748	0.962131	0.981636	chr3	37265764	37266673	+	0	NA	intron (N	AluSz6|SI	-22023	NR_149029	152048	Hs.596176	NM_152532	ENSG00000	LOC152048	-	uncharact	ncRNA
chr5-7386	6.38584	0.043907	0.924758	0.04748	0.962131	0.981636	chr5	73865039	73865691	+	0	NA	intron (N	intron (N	51819	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIP	Rho guani	protein-coding
chr6-1444	6.38584	0.043907	0.924758	0.04748	0.962131	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	exon (NM_	exon (NM_	53255	NR_132778	1.07E+08		NR_132778		SNORA98	-	small nuc	snoRNA
chr1-5268	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr1	52686787	52688135	+	0	NA	3’ UTR (N	3’ UTR (N	10886	NM_023077	65260	Hs.349905	NM_023077	ENSG00000	COA7	C1orf163|	cytochrom	protein-coding
chr1-1472	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	17391	NM_001348	9557	Hs.191164	NM_004284	ENSG00000	CHD1L	ALC1|CHDL	chromodom	protein-coding
chr10-119	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	10992	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr11-413	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr11	4138266	4141469	+	0	NA	TTS (NM_0	TTS (NM_0	23789	NM_001330	6240	Hs.445705	NM_001033	ENSG00000	RRM1	R1|RIR1|R	ribonucle	protein-coding
chr11-477	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr11	47790501	47791639	+	0	NA	intron (N	Tigger2|D	-23729	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-108	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	46816	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Co	protein-coding
chr12-111	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr12	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSq2|SI	60456	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr12-131	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSx1|SI	6814	NM_025215	80324	Hs.592004	NM_025215	ENSG00000	PUS1	MLASA1	pseudouri	protein-coding
chr14-747	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr14	74715242	74717333	+	0	NA	intron (N	intron (N	3143	NM_001318	51077	Hs.579828	NM_015962	ENSG00000	FCF1	Bka|C14or	FCF1 rRNA	protein-coding
chr15-342	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr15	34227811	34230477	+	0	NA	TTS (NM_0	TTS (NM_0	4128	NM_001286	51234	Hs.250905	NM_016454	ENSG00000	EMC4	PIG17|TME	ER membra	protein-coding
chr15-430	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr15	43046761	43048474	+	0	NA	intron (N	intron (N	58421	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr15-753	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr15	75398434	75401485	+	0	NA	intron (N	intron (N	-31332	NM_001256	4123	Hs.26232	NM_006715	ENSG00000	MAN2C1	MAN6A8|MA	mannosida	protein-coding
chr17-171	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr17	17137232	17139292	+	0	NA	exon (NM_	exon (NM_	68071	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr19-175	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr19	17579880	17580684	+	0	NA	intron (N	intron (N	24633	NM_024656	79709	Hs.418795	NM_024656	ENSG00000	COLGALT1	BSVD3|Col	collagen	protein-coding
chr2-3765	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr2	37659566	37665057	+	0	NA	intron (N	intron (N	9888	NM_001270	10602	Hs.369574	NM_006449	ENSG00000	CDC42EP3	BORG2|CEP	CDC42 eff	protein-coding

chr2-1710	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	6434	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr20-344	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr20	34447173	34451962	+	0	NA	intron (N	intron (N	-16758	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr3-7096	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr3	70963584	70967359	+	0	NA	intron (N	intron (N	99453	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr4-1251	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr4	1251451	1251924	+	0	NA	non-codin	non-codin	2247	NR_033339	92070	Hs.561314	NM_052861		CTBP1-DT	C4orf42|C	CTBP1 div	ncRNA
chr4-4282	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr4	4282549	4284071	+	0	NA	intron (N	AluSx1|SI	6711	NM_001145	55646	Hs.425427	NM_017816	ENSG00000	LYAR	ZC2HC2|ZI	Ly1 antib	protein-coding
chr5-9593	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr5	95930157	95931893	+	0	NA	intron (N	intron (N	30826	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr6-8756	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr6	87562125	87564439	+	0	NA	intron (N	intron (N	26705	NM_020320	57038	Hs.485910	NM_020320	ENSG00000	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr6-1007	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	intron (N	L1PA11|LI	138286	NM_006828	10973	Hs.486031	NM_006828	ENSG00000	ASCC3	ASC1p200|	activatin	protein-coding
chr7-1662	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr7	16621245	16622412	+	0	NA	intron (N	AluSx|SIN	23926	NM_020319	57037	Hs.157378	NM_020319	ENSG00000	ANKMY2	ZMYND20	ankyrin r	protein-coding
chr7-3292	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr7	32926881	32929819	+	0	NA	intron (N	MIRc|SINE	14820	NR_003500	441212	Hs.648086	NM_001039	ENSG00000	RP9P	-	RP9 pseud	pseudo
chr9-1124	7.683333	-0.0396	0.834466	-0.04746	0.962148	0.981636	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MB5|LIN	-19342	NM_001287	158405	Hs.656619	NM_133465	ENSG00000	KIAA1958	-	KIAA1958	protein-coding
chr1-1938	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr1	19385091	19385387	+	0	NA	intron (N	L2c|LINE|	72913	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr1-5509	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr1	55099265	55100418	+	0	NA	exon (NM_	exon (NM_	59619	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr17-788	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr17	78869573	78871495	+	0	NA	intron (N	intron (N	-30007	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr2-1127	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr2	11277704	11277930	+	0	NA	intron (N	L1PB1|LIN	66819	NM_004850	9475	Hs.681743	NM_004850	ENSG00000	ROCK2	ROCK-II	Rho assoc	protein-coding
chr20-622	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr20	62263579	62266494	+	0	NA	intron (N	L1MC4a|LI	26515	NM_001363	9885	Hs.473254	NM_014835	ENSG00000	OSBPL2	DFNA67|DN	oxysterol	protein-coding
chr22-217	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr22	21798533	21799300	+	0	NA	intron (N	intron (N	-63122	NM_013313	29799	Hs.517436	NM_013313	ENSG00000	YPEL1	FKSG3	yippee li	protein-coding
chr3-1237	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	HAL1|LINE	75041	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1427	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr3	1.43E+08	1.43E+08	+	0	NA	intron (N	Tigger3b|	24774	NM_003304	7220	Hs.250687	NM_003304	ENSG00000	TRPC1	HTRP-1|TR	transient	protein-coding
chr4-1599	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr4	159929	161338	+	0	NA	intron (N	AluSx3|SI	32512	NM_001289	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr7-1050	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr7	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	30925	NM_182931	55904	Hs.592262	NM_018682	ENSG00000	KMT2E	HDCMC04P|	lysine me	protein-coding
chr7-1378	8.878947	0.037119	0.783217	0.047392	0.962201	0.981636	chr7	1.38E+08	1.38E+08	+	0	NA	intron (N	MIR|SINE|	32597	NM_001318	64764	Hs.490273	NM_194071	ENSG00000	CREB3L2	BBF2H7	cAMP resp	protein-coding
chr4-5696	10.40615	0.035652	0.752813	0.047359	0.962227	0.981636	chr4	56964873	56965147	+	0	NA	intron (N	AluSq2|SI	12596	NM_032313	84273	Hs.8715	NM_032313	ENSG00000	NOA1	C4orf14|M	nitric ox	protein-coding
chr1-4736	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr1	47368987	47369831	+	0	NA	intron (N	intron (N	35619	NM_001366	51727	Hs.731647	NM_016308	ENSG00000	CMPK1	CK|CMK|CM	cytidine/	protein-coding
chr1-2019	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MB7|LIN	24480	NM_012134	25802	Hs.519075	NM_012134	ENSG00000	LMOD1	1D|64kD|D	leiomodin	protein-coding
chr13-286	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr13	28671880	28676352	+	0	NA	intron (N	LTR40b|LT	14986	NM_015932	51371	Hs.268742	NM_015932	ENSG00000	POMP	C13orf12|	proteasom	protein-coding
chr13-491	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr13	49130937	49132814	+	0	NA	intron (N	L2b|LINE|	21558	NM_014923	22862	Hs.508010	NM_014923	ENSG00000	FNDC3A	FNDC3|HUG	fibronect	protein-coding
chr14-209	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr14	20991544	20995517	+	0	NA	intron (N	AluSx4|SI	3550	NM_001029	64745	Hs.512693	NM_022734	ENSG00000	METTL17	METT11D1	methyltra	protein-coding
chr15-989	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr15	98939297	98941428	+	0	NA	intron (N	intron (N	65294	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-159	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr16	15977539	15979221	+	0	NA	intron (N	AluJr|SIN	28764	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr19-139	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr19	13919928	13922220	+	0	NA	intron (N	MLT1J|LTR	14873	NM_017721	54862	Hs.269592	NM_017721	ENSG00000	CC2D1A	FREUD-1|F	coiled-co	protein-coding
chr2-5529	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr2	55295211	55296358	+	0	NA	exon (NM_	exon (NM_	13465	NR_027258	344405	Hs.445292	NM_001080	ENSG00000	PRORSD1P	NCRNA0011	prolyl-tR	pseudo
chr6-8751	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr6	87513349	87521439	+	0	NA	intron (N	L2c|LINE|	44420	NM_006416	10559	Hs.423163	NM_006416	ENSG00000	SLC35A1	CDG2F|CMP	solute ca	protein-coding
chr7-6418	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr7	6418066	6430038	+	0	NA	intron (N	intron (N	23902	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr9-1306	9.151832	-0.0365	0.771274	-0.04733	0.96225	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-10868	NR_106915	1.02E+08		NR_106915	ENSG00000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr9-2691	9.357969	0.036057	0.765405	0.047108	0.962427	0.981636	chr9	26919549	26920149	+	0	NA	intron (N	intron (N	-27021	NM_001167	79886	Hs.178357	NM_024828	ENSG00000	CAAP1	C9orf82|C	caspase a	protein-coding
chr1-1228	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr1	12289867	12291759	+	0	NA	intron (N	intron (N	60783	NM_015378	55187	Hs.439381	NM_015378	ENSG00000	VPS13D	SCAR4	vacuolar	protein-coding
chr1-3135	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr1	31356427	31357745	+	0	NA	intron (N	intron (N	15990	NM_004102	2170	Hs.576372	NM_004102	ENSG00000	FABP3	FABP11|H-	fatty aci	protein-coding
chr10-303	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr10	30334433	30336013	+	0	NA	intron (N	AluSx|SIN	14115	NM_018109	55149	Hs.173946	NM_018109	ENSG00000	MTPAP	PAPD1|SPA	mitochond	protein-coding
chr10-977	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr10	97719105	97719745	+	0	NA	Intergeni	AluSx|SIN	5695	NM_031484	83742	Hs.744073	NM_031484	ENSG00000	MARVELD1	GB14|MARV	MARVEL do	protein-coding
chr11-696	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr11	69665357	69666048	+	0	NA	3’ UTR (N	3’ UTR (N	9651	NM_153451	220064	Hs.667996	NM_153451	ENSG00000	LTO1	CIAB1|ORA	LTO1 matu	protein-coding
chr13-244	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr13	24470798	24472345	+	0	NA	intron (N	intron (N	41207	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr15-404	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr15	40417251	40417895	+	0	NA	intron (N	MER44B|DN	11776	NR_148925	3712	Hs.513646	NM_002225	ENSG00000	IVD	ACAD2	isovalery	protein-coding
chr15-416	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr15	41679077	41680035	+	0	NA	intron (N	L1M4|LINE	-12029	NR_030356	693211		NR_030356	ENSG00000	MIR626	MIRN626|h	microRNA	ncRNA
chr16-185	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr16	18512183	18514181	+	0	NA	intron (N	intron (N	-18606	NR_036145	1E+08		NR_036145	ENSG00000	MIR3179-3	-	microRNA	ncRNA
chr17-313	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr17	31335089	31335657	+	0	NA	intron (N	intron (N	-13751	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr19-519	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr19	51978991	51979807	+	0	NA	intron (N	HERVK3-in	7441	NM_021632	59348	Hs.407694	NM_021632	ENSG00000	ZNF350	ZBRK1|ZFQ	zinc fing	protein-coding
chr2-1700	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	-96472	NR_045682	140469	Hs.671900	NM_138995	ENSG00000	MYO3B	-	myosin II	protein-coding
chr20-185	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr20	18541554	18543092	+	0	NA	exon (NM_	exon (NM_	-25097	NM_001348	388789	Hs.349092	NM_001348	ENSG00000	SMIM26	LINC00493	small int	protein-coding
chr20-380	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr20	38011666	38012502	+	0	NA	exon (NM_	exon (NM_	21372	NM_001303	9675	Hs.655481	NM_014657	ENSG00000	TTI1	KIAA0406|	TELO2 int	protein-coding
chr5-1368	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr5	13689438	13690670	+	0	NA	TTS (NM_0	TTS (NM_0	254426	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1233	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	L2|LINE|L	44603	NM_001166	153241	Hs.483209	NM_153223	ENSG00000	CEP120	CCDC100|J	centrosom	protein-coding
chr5-1723	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	MamRep137	55334	NR_130933	1E+08	Hs.531911	NM_001007542		LOC100288	-	uncharact	ncRNA
chr6-2440	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr6	24407180	24408986	+	0	NA	intron (N	LTR87|LTR	5147	NR_104423	57380	Hs.658612	NM_020662	ENSG00000	MRS2	HPT|MRS2L	magnesium	protein-coding
chr6-1497	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr6	1.5E+08	1.5E+08	+	0	NA	intron (N	HERV1_LTR	29411	NM_001360	5110	Hs.279257	NM_005389	ENSG00000	PCMT1	PIMT	protein-L	protein-coding
chr7-4506	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr7	45069966	45071114	+	0	NA	intron (N	intron (N	18429	NM_001146	23148	Hs.96633	NM_001146	ENSG00000	NACAD	-	NAC alpha	protein-coding
chr7-7347	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chr7	73472608	73474747	+	0	NA	intron (N	intron (N	39899	NM_003508	8326	Hs.647029	NM_003508	ENSG00000	FZD9	CD349|FZD	frizzled	protein-coding
chrX-7138	5.435654	0.04603	0.978012	0.047065	0.962462	0.981636	chrX	71383630	71386190	+	0	NA	intron (N	intron (N	18553	NR_104387	6872	Hs.158560	NM_004606	ENSG00000	TAF1	BA2R|CCG1	TATA-box	protein-coding
chr3-1225	9.589715	-0.03564	0.757262	-0.04706	0.962467	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	intron (N	AluJo|SIN	12367	NM_001146	83666	Hs.518200	NM_031458	ENSG00000	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr15-731	10.62033	-0.03493	0.742491	-0.04705	0.962477	0.981636	chr15	73122550	73122819	+	0	NA	exon (NM_	exon (NM_	70200	NM_001172	4756	Hs.388613	NM_002499	ENSG00000	NEO1	IGDCC2|NG	neogenin	protein-coding
chr3-1309	9.927129	0.03652	0.777322	0.046982	0.962528	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	28221	NM_014065	28990	Hs.100878	NM_014065	ENSG00000	ASTE1	HT001	asteroid	protein-coding
chr8-1346	3.478425	0.056909	1.213187	0.046909	0.962586	0.981636	chr8	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MDa|LIN	23696	NM_001167	57623	Hs.446172	NM_020863	ENSG00000	ZFAT	AITD3|ZFA	zinc fing	protein-coding
chr13-322	8.227069	-0.03907	0.833242	-0.04689	0.962603	0.981636	chr13	32279201	32279797	+	0	NA	intron (N	L2b|LINE|	32455	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr1-1644	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr1	16442547	16442916	+	0	NA	intron (N	AluJb|SIN	2007	NM_018090	55707	Hs.437385	NM_018090	ENSG00000	NECAP2	-	NECAP end	protein-coding
chr1-4026	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr1	40269286	40274827	+	0	NA	intron (N	intron (N	13820	NM_005857	10269	Hs.132642	NM_005857	ENSG00000	ZMPSTE24	FACE-1|FA	zinc meta	protein-coding
chr1-5179	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr1	51799541	51801359	+	0	NA	intron (N	intron (N	35952	NR_031580	1E+08		NR_031580	ENSG00000	MIR761	hsa-mir-7	microRNA	ncRNA
chr1-1803	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1MB5|LIN	42823	NR_036067	1E+08		NR_036067	ENSG00000	MIR3121	mir-3121	microRNA	ncRNA
chr1-1988	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr1	1.99E+08	1.99E+08	+	0	NA	TTS (NR_0	TTS (NR_0	529	NR_029612	406955		NR_029612	ENSG00000	MIR181B1	MIRN181B1	microRNA	ncRNA
chr10-119	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr10	11935124	11936230	+	0	NA	intron (N	L2a|LINE|	-40967	NR_038222	219731	Hs.576787	NR_038222	ENSG00000	PROSER2-A	-	PROSER2 a	ncRNA
chr10-934	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr10	93424264	93426203	+	0	NA	intron (N	AluSx1|SI	57101	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr11-296	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	2967230	2979422	+	0	NA	intron (N	intron (N	-9433	NR_002982	677833	Hs.689696	NR_002982	ENSG00000	SNORA54	ACA54	small nuc	snoRNA
chr11-133	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	13398764	13401741	+	0	NA	intron (N	L1PA4|LIN	40027	NM_001297	84280	Hs.332382	NM_032320	ENSG00000	BTBD10	GMRP-1|GM	BTB domai	protein-coding
chr11-478	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	47820582	47823885	+	0	NA	intron (N	intron (N	26117	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-747	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	74790247	74793193	+	0	NA	intron (N	MER52A|LT	42871	NM_001098	254225	Hs.370145	NM_001098	ENSG00000	RNF169	-	ring fing	protein-coding
chr11-860	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	86028907	86031405	+	0	NA	intron (N	L1ME4c|LI	38928	NM_007166	8301	Hs.163893	NM_007166	ENSG00000	PICALM	CALM|CLTH	phosphati	protein-coding
chr11-957	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	95781196	95787517	+	0	NA	intron (N	L1PA13|LI	5426	NM_144664	143684	Hs.288304	NM_144664	ENSG00000	FAM76B	-	family wi	protein-coding
chr11-102	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	68325	NM_001195	10413	Hs.503692	NM_006106	ENSG00000	YAP1	COB1|YAP|	Yes assoc	protein-coding
chr12-697	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr12	6974014	6978065	+	0	NA	TTS (NM_0	TTS (NM_0	5126	NM_001320	10436	Hs.558447	NM_006331	ENSG00000	EMG1	C2F|Grcc2	EMG1 N1-s	protein-coding
chr12-121	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr12	12122008	12127351	+	0	NA	intron (N	intron (N	12727	NR_036052	1E+08		NR_036052	ENSG00000	MIR1244-1	MIR1244|M	microRNA	ncRNA
chr13-244	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr13	24448306	24449998	+	0	NA	intron (N	AluY|SINE	63626	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr13-370	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr13	37029970	37032613	+	0	NA	intron (N	intron (N	28196	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr13-497	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr13	49704151	49710561	+	0	NA	intron (N	L1MC5a|LI	-15869	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr13-771	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr13	77177409	77181802	+	0	NA	intron (N	L1MB3|LIN	104091	NR_046716	1.01E+08	Hs.569288	NR_046716	ENSG00000	MYCBP2-AS	-	MYCBP2 an	ncRNA
chr14-498	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr14	49839522	49841946	+	0	NA	exon (NM_	exon (NM_	12054	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr15-430	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr15	43039855	43043745	+	0	NA	intron (N	L1MB3|LIN	64238	NM_174916	197131	Hs.591121	NM_174916	ENSG00000	UBR1	JBS	ubiquitin	protein-coding
chr16-188	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr16	18814664	18819631	+	0	NA	intron (N	intron (N	-15598	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-235	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr16	23584543	23586369	+	0	NA	intron (N	intron (N	10860	NM_005003	4706	Hs.189716	NM_005003	ENSG00000	NDUFAB1	ACP|ACP1|	NADH:ubiq	protein-coding
chr16-555	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr16	55500691	55508192	+	0	NA	intron (N	intron (N	-4631	NM_017839	54947	Hs.460857	NM_017839	ENSG00000	LPCAT2	AGPAT11|A	lysophosp	protein-coding
chr16-585	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr16	58548486	58560379	+	0	NA	intron (N	AluJr|SIN	5499	NR_002980	677830	Hs.677515	NR_002980	ENSG00000	SNORA50A	ACA50|SNO	small nuc	snoRNA
chr16-693	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr16	69365004	69367081	+	0	NA	intron (N	MIRb|SINE	-14256	NM_144676	146456	Hs.729118	NM_144676	ENSG00000	TMED6	PRO34237|	transmemb	protein-coding
chr17-283	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr17	28388405	28391090	+	0	NA	intron (N	AluSz|SIN	16465	NM_080669	113235	Hs.446689	NM_080669	ENSG00000	SLC46A1	G21|HCP1|	solute ca	protein-coding
chr17-312	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr17	31234996	31238478	+	0	NA	intron (N	AluSx|SIN	60502	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr17-512	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr17	51276651	51278019	+	0	NA	intron (N	intron (N	16789	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WD	UTP18 sma	protein-coding
chr18-270	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr18	2706244	2708210	+	0	NA	intron (N	intron (N	51340	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr18-131	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr18	13104252	13107068	+	0	NA	intron (N	intron (N	-113100	NM_181482	753	Hs.697787	NM_004338	ENSG00000	LDLRAD4	C18orf1	low densi	protein-coding
chr19-448	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr19	44864759	44867344	+	0	NA	intron (N	AluSx|SIN	19754	NM_001042	5819	Hs.655455	NM_002856	ENSG00000	NECTIN2	CD112|HVE	nectin ce	protein-coding
chr2-4846	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	48465370	48465888	+	0	NA	exon (NM_	exon (NM_	24860	NM_001193	129285	Hs.654619	NM_152994	ENSG00000	PPP1R21	CCDC128|K	protein p	protein-coding
chr2-6394	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	63947557	63948729	+	0	NA	intron (N	intron (N	71285	NM_016516	51542	Hs.48499	NM_016516	ENSG00000	VPS54	HCC8|PPP1	VPS54 sub	protein-coding
chr2-1710	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	56144	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-1914	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	AluJb|SIN	174640	NM_001161	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr2-1974	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	1.97E+08	1.97E+08	+	0	NA	promoter-	promoter-	-622	NR_132787	1.07E+08		NR_132787		SNORA105A	-	small nuc	snoRNA
chr2-2004	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	2E+08	2E+08	+	0	NA	intron (N	intron (N	18002	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr2-2061	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	AluSz6|SI	-10800	NR_033248	1E+08	Hs.356055	NR_033248		GCSHP3	-	glycine c	pseudo
chr20-419	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	419089	419702	+	0	NA	exon (NM_	exon (NM_	11096	NM_006462	10616	Hs.29546	NM_006462	ENSG00000	RBCK1	C20orf18|	RANBP2-ty	protein-coding
chr20-799	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	7994347	7994948	+	0	NA	intron (N	intron (N	25114	NM_021156	56255	Hs.169358	NM_021156	ENSG00000	TMX4	DJ971N18.	thioredox	protein-coding
chr20-372	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	37223974	37231525	+	0	NA	intron (N	intron (N	29159	NM_021081	2691	Hs.37023	NM_021081	ENSG00000	GHRH	GHRF|GRF|	growth ho	protein-coding
chr20-411	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	41168803	41171026	+	0	NA	TTS (NR_1	TTS (NR_1	891	NR_106931	1.02E+08		NR_106931	ENSG00000	MIR6871	hsa-mir-6	microRNA	ncRNA
chr20-459	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	45951651	45954308	+	0	NA	intron (N	intron (N	18296	NM_022104	63935	Hs.472856	NM_022104	ENSG00000	PCIF1	C20orf67|	PDX1 C-te	protein-coding
chr20-491	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr20	49119447	49120317	+	0	NA	intron (N	intron (N	68488	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr21-334	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr21	33423281	33424283	+	0	NA	intron (N	AluJo|SIN	20886	NM_001329	3460	Hs.634632	NM_005534	ENSG00000	IFNGR2	AF-1|IFGR	interfero	protein-coding
chr3-4760	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr3	47608304	47610920	+	0	NA	intron (N	L1MC5|LIN	-29372	NM_001206	10675	Hs.45127	NM_006574	ENSG00000	CSPG5	NGC	chondroit	protein-coding
chr3-4905	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr3	49055823	49057767	+	0	NA	intron (N	intron (N	-27397	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr3-4951	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr3	49510806	49512087	+	0	NA	intron (N	intron (N	41314	NM_001177	1605	Hs.76111	NM_004393	ENSG00000	DAG1	156DAG|A3	dystrogly	protein-coding
chr3-1195	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	AluSz|SIN	16488	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr3-1255	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	THE1B-int	23974	NM_022776	114885	Hs.477440	NM_022776	ENSG00000	OSBPL11	ORP-11|OR	oxysterol	protein-coding
chr4-1451	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr4	1.45E+08	1.45E+08	+	0	NA	intron (N	MLT1C|LTR	28725	NM_017493	54726	Hs.270851	NM_017493	ENSG00000	OTUD4	DUBA6|HIN	OTU deubi	protein-coding
chr5-3241	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr5	32412782	32415131	+	0	NA	intron (N	intron (N	-19481	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr5-9593	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr5	95935542	95942972	+	0	NA	intron (N	intron (N	22594	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr5-1330	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	exon (NM_	exon (NM_	22009	NM_002154	3308	Hs.90093	NM_002154	ENSG00000	HSPA4	APG-2|HEL	heat shoc	protein-coding
chr5-1346	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluJb|SIN	15660	NM_001033	51128	Hs.432984	NM_016103	ENSG00000	SAR1B	ANDD|CMRD	secretion	protein-coding
chr5-1721	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr5	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	33046	NM_005990	6793	Hs.744005	NM_005990	ENSG00000	STK10	LOK|PRO27	serine/th	protein-coding
chr6-4261	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr6	42615179	42616173	+	0	NA	intron (N	AluJo|SIN	51647	NM_001184	23304	Hs.529925	NM_015255	ENSG00000	UBR2	C6orf133|	ubiquitin	protein-coding
chr6-4266	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr6	42667908	42671356	+	0	NA	intron (N	HAL1|LINE	52965	NM_000322	5961	Hs.654489	NM_000322	ENSG00000	PRPH2	AOFMD|AVM	peripheri	protein-coding

chr6-1323	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	MIR|SINE|	34023	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr7-2330	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	23301312	23302988	+	0	NA	intron (N	L2b|LINE|	2811	NM_138446	115416	Hs.87385	NM_138446	ENSG00000	MALSU1	C7orf30|m	mitochonc	protein-coding
chr7-3589	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	35898413	35899973	+	0	NA	intron (N	intron (N	97974	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr7-9221	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	92218330	92225836	+	0	NA	intron (N	intron (N	-17985	NR_031616	1E+08		NR_031616	ENSG00000	MIR1285-1	MIRN1285-	microRNA	ncRNA
chr7-1208	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	19967	NM_012338	23554	Hs.16529	NM_012338	ENSG00000	TSPAN12	EVR5|NET-	tetraspar	protein-coding
chr7-1213	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	33571	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr7-1301	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx3|SI	-18278	NR_149033	1E+08	Hs.105944	NR_149033	ENSG00000	LOC100128	-	uncharact	ncRNA
chr8-4239	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr8	42398723	42406897	+	0	NA	intron (N	intron (N	10930	NM_005662	7419	Hs.699301	NM_005662	ENSG00000	VDAC3	HD-VDAC3|	voltage c	protein-coding
chr8-4789	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr8	47891020	47893566	+	0	NA	intron (N	Charlie2b	67843	NM_001081	5591	Hs.491682	NM_006904	ENSG00000	PRKDC	DNA-PKC|I	protein k	protein-coding
chr8-1250	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	11383	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr9-1105	8.170214	-0.03786	0.808568	-0.04682	0.962656	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	14118	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|	sushi, vc	protein-coding
chr13-325	9.836992	0.035066	0.750189	0.046742	0.962719	0.981636	chr13	32512606	32512988	+	0	NA	3’ UTR (N	3’ UTR (N	-3402	NR_026928	116828	Hs.658751	NR_026928	ENSG00000	N4BP2L2-I	CG030	N4BPL2 ir	ncRNA
chr1-1591	9.638712	-0.03529	0.756642	-0.04663	0.962805	0.981636	chr1	15911321	15912313	+	0	NA	intron (N	AluSx|SIN	-63670	NR_024279	729614	Hs.119298	NR_024279	ENSG00000	FLJ37453	-	uncharact	ncRNA
chr2-2312	9.638712	-0.03529	0.756642	-0.04663	0.962805	0.981636	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	78742	NM_001352	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillc	protein-coding
chr3-9795	9.638712	-0.03529	0.756642	-0.04663	0.962805	0.981636	chr3	9795812	9796050	+	0	NA	intron (N	AluSz|SIN	2849	NM_001198	10093	Hs.323342	NM_005718	ENSG00000	ARPC4	ARC20|P2C	actin rel	protein-coding
chr1-1081	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr1	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	36456	NM_213651	29957	Hs.656870	NM_013386	ENSG00000	SLC25A24	APC1|SCAM	solute ca	protein-coding
chr11-575	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr11	57564607	57564983	+	0	NA	intron (N	AluSq2|SI	2877	NM_004223	9246	Hs.425777	NM_004223	ENSG00000	UBE2L6	RIG-B|UBC	ubiquitir	protein-coding
chr12-701	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr12	7013165	7013774	+	0	NA	intron (N	L2b|LINE|	5007	NM_005768	10162	Hs.655248	NM_005768	ENSG00000	LPCAT3	C3F|LPCAT	lysophosp	protein-coding
chr13-951	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr13	95131680	95132641	+	0	NA	intron (N	MER2|DNA|	-78184	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr16-683	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr16	68300656	68301174	+	0	NA	3’ UTR (N	3’ UTR (N	10031	NM_032178	84138	Hs.729520	NM_032178	ENSG00000	SLC7A6OS	-	solute ca	protein-coding
chr17-309	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr17	30901889	30904333	+	0	NA	intron (N	AluSc|SIN	3127	NM_024683	79736	Hs.317340	NM_024683	ENSG00000	TEFM	C17orf42	transcrip	protein-coding
chr3-1936	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	intron (N	-30591	NR_046634	1.01E+08	Hs.679364	NR_046634	ENSG00000	OPA1-AS1	-	OPA1 anti	ncRNA
chr3-1967	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr3	1.97E+08	1.97E+08	+	0	NA	intron (N	L1ME3D|LI	45736	NM_002577	5062	Hs.518530	NM_002577	ENSG00000	PAK2	PAK65|PAK	p21 (RAC1	protein-coding
chr4-2071	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr4	20713632	20714371	+	0	NA	intron (N	L1P1|LINE	13543	NM_001330	133015	Hs.479298	NM_145048	ENSG00000	PACRGL	C4orf28	parkin co	protein-coding
chr5-1392	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr5	13926588	13927053	+	0	NA	intron (N	intron (N	17660	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1323	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	72738	NM_015529	26002	Hs.6909	NM_015529	ENSG00000	MOXD1	MOX|PRO57	monooxyge	protein-coding
chr7-7307	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr7	73071227	73071640	+	0	NA	Intergeni	AluSq2|SI	12805	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG00000	SPDYE11	-	speedy/RI	protein-coding
chr7-7549	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr7	75498555	75499186	+	0	NA	intron (N	intron (N	5243	NM_001306	442590	Hs.632298	NM_001099	ENSG00000	SPDYE5	-	speedy/RI	protein-coding
chr7-1487	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	AluJb|SIN	32695	NM_001370	8454	Hs.146806	NM_003592	ENSG00000	CUL1	-	cullin 1	protein-coding
chr9-1069	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr9	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	69230	NM_021224	58499	Hs.370379	NM_021224	ENSG00000	ZNF462	ZFPIP|Zfp	zinc fing	protein-coding
chr9-1252	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	AluSz|SIN	18863	NM_005347	3309	Hs.743241	NM_005347	ENSG00000	HSPA5	BIP|GRP78	heat shoc	protein-coding
chr9-1290	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluY|SINE	15023	NM_032809	84895	Hs.632693	NM_032809	ENSG00000	MIGA2	C9orf54|F	mitoguarc	protein-coding
chrX-1568	5.914676	0.043734	0.9428	0.046387	0.963001	0.981636	chrX	15688907	15690383	+	0	NA	intron (N	L1MB3|LIN	14187	NR_160542	340591	Hs.732244	NR_026551	ENSG00000	CA5BP1	CA5BL|CA5	carbonic	pseudo
chr10-271	5.963673	0.044016	0.94936	0.046364	0.96302	0.981636	chr10	27139429	27140085	+	0	NA	intron (N	L1M5|LINE	14627	NM_014263	10730	Hs.74647	NM_014263	ENSG00000	YME1L1	FTSH|MEG4	YME1 like	protein-coding
chr1-1514	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSx1|SI	-7849	NM_207171	23126	Hs.489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo trar	protein-coding
chr10-100	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr10	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-4309	NM_015490	25956	Hs.18889	NM_015490	ENSG00000	SEC31B	SEC31B-1|	SEC31 hom	protein-coding
chr12-105	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	AluYb8|SI	23440	NM_001293	23325	Hs.12144	NM_015275	ENSG00000	WASHC4	KIAA1033|	WASH comp	protein-coding
chr16-175	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr16	1759698	1764094	+	0	NA	intron (N	intron (N	9813	NM_002513	4832	Hs.514065	NM_002513	ENSG00000	NME3	DR-nm23|N	NME/NM23	protein-coding
chr16-743	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr16	74339841	74343608	+	0	NA	intron (N	intron (N	26531	NR_026950	283922	Hs.558726	NR_026950	ENSG00000	LOC283922	-	pyruvate	pseudo
chr17-666	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr17	66687778	66690403	+	0	NA	intron (N	intron (N	-97982	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr19-141	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr19	1412893	1413877	+	0	NA	intron (N	intron (N	5799	NM_001352	26528	Hs.222510	NM_018959	ENSG00000	DAZAP1	-	DAZ assoc	protein-coding
chr4-1054	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr4	1.05E+08	1.05E+08	+	0	NA	intron (N	L1P2|LINE	47520	NM_176869	27068	Hs.654957	NM_006903	ENSG00000	PPA2	HSPC124|S	pyrophosp	protein-coding
chr8-1432	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr8	1.43E+08	1.43E+08	+	0	NA	intron (N	intron (N	4415	NM_001271	286128	Hs.668016	NM_173832	ENSG00000	ZFP41	ZNF753|zf	ZFP41 zir	protein-coding
chr9-1289	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	AluSz|SIN	-31112	NM_014908	22845	Hs.531563	NM_014908	ENSG00000	DOLK	CDG1M|DK|	dolichol	protein-coding
chr9-1291	6.442696	0.042056	0.909273	0.046253	0.963109	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	3’ UTR (N	3’ UTR (N	29555	NM_203434	389792	Hs.529857	NM_203434	ENSG00000	IER5L	bA247A12.	immediate	protein-coding
chr15-904	9.540717	-0.03638	0.7867	-0.04624	0.963116	0.981636	chr15	90427286	90427514	+	0	NA	intron (N	intron (N	39158	NM_003870	8826	Hs.430551	NM_003870	ENSG00000	IQGAP1	HUMORFA01	IQ motif	protein-coding
chr1-9729	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	9729166	9732303	+	0	NA	intron (N	intron (N	39267	NM_001350	5293	Hs.518451	NM_005026	ENSG00000	PIK3CD	APDS|IMD1	phosphati	protein-coding
chr1-2308	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	23085546	23091205	+	0	NA	3’ UTR (N	3’ UTR (N	44070	NR_036057	1E+08		NR_036057	ENSG00000	MIR3115	mir-3115	microRNA	ncRNA
chr1-3204	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	32049225	32061440	+	0	NA	intron (N	AluSg|SIN	-16699	NM_001319	55116	Hs.25544	NM_018056	ENSG00000	TMEM39B	-	transmemb	protein-coding
chr1-3222	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	32223229	32232113	+	0	NA	intron (N	AluJr|SIN	-5300	NR_133635	56063	Hs.272299	NM_019118	ENSG00000	TMEM234	AASL548|	transmemb	protein-coding
chr1-3539	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	35393598	35401992	+	0	NA	intron (N	intron (N	-31718	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-6658	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	66586678	66596396	+	0	NA	intron (N	L1MC1|LIN	-36903	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1094	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	13163	NM_001199	5686	Hs.485246	NM_002790	ENSG00000	PSMA5	PSC5|ZETA	proteasom	protein-coding
chr1-1109	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSc|SIN	14769	NM_018372	55791	Hs.25245	NM_018372	ENSG00000	LRIF1	C1orf103|	ligand de	protein-coding
chr1-1126	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSz6|SI	-19043	NM_001286	4343	Hs.514941	NM_020963	ENSG00000	MOV10	fSAP113|g	Mov10 RIS	protein-coding
chr1-1147	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	AluSx4|SI	6640	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr1-1725	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	L1PA5|LIN	62320	NM_014283	51430	Hs.204559	NM_014283	ENSG00000	SUCO	C1orf9|CH	SUN domai	protein-coding
chr1-2294	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr1	2.29E+08	2.29E+08	+	0	NA	intron (N	intron (N	14107	NM_018230	55746	Hs.12457	NM_018230	ENSG00000	NUP133	GAMOS8|NF	nucleopor	protein-coding
chr10-314	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr10	3141873	3145964	+	0	NA	non-codir	non-codir	2317	NR_038284	1.01E+08	Hs.665365	NR_038284	ENSG00000	PITRM1-AS	-	PITRM1 ar	ncRNA
chr10-582	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr10	58233974	58236941	+	0	NA	intron (N	L1PA6|LIN	32437	NM_152230	253430	Hs.30280	NM_152230	ENSG00000	IPMK	-	inositol	protein-coding
chr10-687	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr10	68764515	68781315	+	0	NA	intron (N	FLAM_C|SI	17743	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr10-974	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr10	97465249	97475537	+	0	NA	intron (N	intron (N	24218	NM_198046	84287	Hs.76662	NM_032327	ENSG00000	ZDHHC16	APH2|DHHC	zinc fing	protein-coding
chr10-114	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	exon (NM_	exon (NM_	14434	NM_001135	57700	Hs.192619	NM_020940	ENSG00000	FAM160B1	KIAA1600|	family wi	protein-coding
chr11-614	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr11	61437239	61444167	+	0	NA	intron (N	MER58B|DN	10578	NM_017841	54949	Hs.313247	NM_017841	ENSG00000	SDHAF2	C11orf79|	succinate	protein-coding
chr11-116	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	L3|LINE|C	3981	NM_003904	8882	Hs.7165	NM_003904	ENSG00000	ZPR1	ZNF259	ZPR1 zinc	protein-coding
chr11-123	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	L2a|LINE|	-14798	NM_006597	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-683	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	6831005	6832669	+	0	NA	exon (NM_	exon (NM_	3430	NM_014262	10536	Hs.631655	NM_014262	ENSG00000	P3H3	GRCB|HSU4	prolyl 3-	protein-coding
chr12-312	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	31284709	31287807	+	0	NA	intron (N	L1ME3E|LI	-38058	NR_026806	79857	Hs.534485	NM_024799	ENSG00000	FLJ13224	-	uncharact	ncRNA
chr12-686	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	68626781	68628315	+	0	NA	promoter-	promoter-	-173	NR_033335	1E+08	Hs.724530	NR_033335	ENSG00000	SNORA70G	U70G	small nuc	snoRNA
chr12-934	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	93478854	93482704	+	0	NA	intron (N	AluSc|SIN	13265	NR_038160	28977	Hs.199579	NM_014050	ENSG00000	MRPL42	HSPC204|I	mitochonc	protein-coding
chr12-107	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	5679	NM_001317	11137	Hs.506652	NM_007062	ENSG00000	PWP1	IEF-SSP-9	PWP1 homc	protein-coding
chr12-108	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	5373	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr12-110	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluJr|SIN	19856	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAF	ATPase sa	protein-coding
chr12-112	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	37262	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr12-122	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	-61972	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr13-199	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr13	19993188	19996959	+	0	NA	intron (N	AluJr|SIN	35259	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr13-363	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr13	36327536	36329946	+	0	NA	intron (N	intron (N	17653	NM_015087	23111	Hs.440414	NM_015087	ENSG00000	SPART	SPG20|TAF	spartin	protein-coding
chr13-770	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr13	77013440	77018409	+	0	NA	intron (N	intron (N	11235	NM_012158	26224	Hs.508284	NM_012158	ENSG00000	FBXL3	FBL3|FBL3	F-box anc	protein-coding
chr13-945	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr13	94571522	94579495	+	0	NA	intron (N	AluJr4|SI	20644	NM_001304	23483	Hs.12393	NM_014305	ENSG00000	TGDS	CATMANS|S	TDP-glucc	protein-coding
chr13-945	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr13	94589836	94593549	+	0	NA	intron (N	intron (N	4460	NM_001304	23483	Hs.12393	NM_014305	ENSG00000	TGDS	CATMANS|S	TDP-glucc	protein-coding
chr14-390	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr14	39035393	39049853	+	0	NA	intron (N	intron (N	-60517	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A ar	ncRNA
chr15-424	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr15	42427491	42439743	+	0	NA	intron (N	AluSg|SIN	23950	NM_022473	64397	Hs.511143	NM_022473	ENSG00000	ZNF106	SH3BP3|ZF	zinc fing	protein-coding
chr15-489	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr15	48995080	49000076	+	0	NA	intron (N	intron (N	-33659	NM_203349	399694	Hs.642615	NM_203349	ENSG00000	SHC4	RaLP|SHCD	SHC adapt	protein-coding
chr15-667	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr15	66716051	66718388	+	0	NA	intron (N	intron (N	14983	NR_027654	4091	Hs.153863	NM_005585	ENSG00000	SMAD6	AOVD2|HsT	SMAD fami	protein-coding
chr16-160	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	16015341	16021077	+	0	NA	intron (N	intron (N	68593	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-185	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	18534809	18539501	+	0	NA	intron (N	intron (N	24957	NM_001004	283820	Hs.460141	NM_173614	ENSG00000	NOMO2	Nomo|PM5	NODAL moc	protein-coding
chr16-281	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	28119798	28136459	+	0	NA	intron (N	intron (N	-64414	NM_001109	146395	Hs.91910	NM_144675	ENSG00000	GSG1L	PRO19651	GSG1 like	protein-coding
chr16-307	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	30728253	30739704	+	0	NA	exon (NM_	exon (NM_	-6664	NM_001256	1.01E+08	Hs.667372	NM_001256	ENSG00000	TMEM265	IFITMD8	transmemb	protein-coding
chr16-564	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	56465059	56477870	+	0	NA	intron (N	intron (N	19380	NM_001324	55239	Hs.231883	NM_018233	ENSG00000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr16-667	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	66730632	66741393	+	0	NA	intron (N	intron (N	15597	NM_006141	1783	Hs.369068	NM_006141	ENSG00000	DYNC1LI2	DNCLI2|LI	dynein cy	protein-coding
chr16-691	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr16	69136726	69141207	+	0	NA	intron (N	AluSg|SIN	6317	NM_032830	84916	Hs.461113	NM_032830	ENSG00000	UTP4	CIRH1A|C1	UTP4 smal	protein-coding
chr17-266	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	2666289	2668936	+	0	NA	intron (N	intron (N	25307	NR_106834	1.02E+08		NR_106834	ENSG00000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr17-400	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	4005738	4008128	+	0	NA	exon (NM_	exon (NM_	29830	NR_146884	1.05E+08	Hs.579239	NR_146884		LINC01975	-	long inte	ncRNA
chr17-187	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	18789351	18790771	+	0	NA	intron (N	L1MB8|LIN	1026	NM_001316	51030	Hs.87295	NM_016078	ENSG00000	TVP23B	CGI-148|F	trans-gol	protein-coding
chr17-321	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	32167064	32168399	+	0	NA	intron (N	Tigger1|D	-16160	NR_002222	503640	Hs.631752	NR_002222		ARGFXP2	-	arginine-	pseudo
chr17-356	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	35635220	35643669	+	0	NA	intron (N	intron (N	52122	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-394	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	39421390	39425953	+	0	NA	intron (N	intron (N	-21115	NM_001370	84961	Hs.462946	NM_032875	ENSG00000	FBXL20	Fbl2|Fbl2	F-box anc	protein-coding
chr17-394	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	39429284	39434086	+	0	NA	intron (N	intron (N	19578	NM_004774	5469	Hs.643754	NM_004774	ENSG00000	MED1	CRSP1|CRS	mediator	protein-coding
chr17-394	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr17	39441572	39447975	+	0	NA	intron (N	AluSg|SIN	6490	NM_004774	5469	Hs.643754	NM_004774	ENSG00000	MED1	CRSP1|CRS	mediator	protein-coding
chr18-269	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr18	2697310	2699887	+	0	NA	intron (N	AluJr|SIN	42711	NM_015295	23347	Hs.8118	NM_015295	ENSG00000	SMCHD1	BAMS|FSHD	structura	protein-coding
chr18-260	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr18	26054273	26057834	+	0	NA	intron (N	AluSc|SIN	34560	NM_001007	6760	Hs.129261	NM_005637	ENSG00000	SS18	SSXT|SYT	SS18 subu	protein-coding
chr18-566	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr18	56609502	56611788	+	0	NA	intron (N	intron (N	27947	NR_024546	9352	Hs.114412	NM_004786	ENSG00000	TXNL1	HEL-S-114	thioredox	protein-coding
chr19-127	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	12712447	12719299	+	0	NA	intron (N	AluJr|SIN	6386	NM_013433	30000	Hs.416049	NM_013433	ENSG00000	TNPO2	IPO3|KPNE	transport	protein-coding
chr19-168	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	16879644	16880085	+	0	NA	3’ UTR (N	3’ UTR (N	-9135	NM_003950	9002	Hs.137574	NM_003950	ENSG00000	F2RL3	PAR4	F2R like	protein-coding
chr19-170	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	17057742	17060558	+	0	NA	intron (N	intron (N	16302	NM_033417	93323	Hs.404088	NM_033417	ENSG00000	HAUS8	DGT4|HICE	HAUS augm	protein-coding
chr19-171	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	17102159	17103625	+	0	NA	intron (N	AluJo|SIN	10657	NR_145784	1.1E+08		NR_145784		SNORA118	-	small nuc	snoRNA
chr19-212	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	21298138	21309674	+	0	NA	intron (N	L1M4c|LIN	25504	NM_021269	7562	Hs.466296	NM_021269	ENSG00000	ZNF708	KOX8|ZNF1	zinc fing	protein-coding
chr19-341	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	34194333	34200901	+	0	NA	intron (N	AluSz|SIN	25113	NM_001114	26065	Hs.744009	NM_015578	ENSG00000	LSM14A	C19orf13|	LSM14A mR	protein-coding
chr19-343	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	34300353	34300552	+	0	NA	5’ UTR (N	5’ UTR (N	45898	NM_014686	9710	Hs.330073	NM_014686	ENSG00000	KIAA0355	-	KIAA0355	protein-coding
chr19-489	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr19	48972819	48977109	+	0	NA	intron (N	AluY|SINE	9655	NM_000146	2512	Hs.433670	NM_000146	ENSG00000	FTL	LFTD|NBIA	ferritin	protein-coding
chr2-2025	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	20251683	20256869	+	0	NA	intron (N	AluJb|SIN	-28843	NM_001006	6382	Hs.224607	NM_002997	ENSG00000	SDC1	CD138|SDC	syndecan	protein-coding
chr2-3649	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	36497788	36501837	+	0	NA	intron (N	L3|LINE|C	98356	NM_001042	9637	Hs.258563	NM_005102	ENSG00000	FEZ2	HUM3CL	fascicula	protein-coding
chr2-4783	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	47831801	47839013	+	0	NA	intron (N	intron (N	51452	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTME	mutS homc	protein-coding
chr2-7138	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	71387257	71390255	+	0	NA	intron (N	HERVK22-i	56974	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr2-7324	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	73247381	73252546	+	0	NA	intron (N	intron (N	15655	NM_006429	10574	Hs.368149	NM_006429	ENSG00000	CCT7	CCTETA|CC	chaperoni	protein-coding
chr2-9937	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	99371313	99375878	+	0	NA	intron (N	MLT1A1|LT	36206	NM_015904	9669	Hs.158688	NM_015904	ENSG00000	EIF5B	IF2	eukaryoti	protein-coding
chr2-1526	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	1.53E+08	1.53E+08	+	0	NA	intron (N	intron (N	57005	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr2-1611	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	1.61E+08	1.61E+08	+	0	NA	intron (N	THE1D|LTR	21335	NM_001199	10010	Hs.132257	NM_004180	ENSG00000	TANK	I-TRAF|IT	TRAF fami	protein-coding
chr2-1696	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	L1MC4|LIN	25190	NM_004792	9360	Hs.470544	NM_004792	ENSG00000	PPIG	CARS-Cyp|	peptidylp	protein-coding
chr2-2008	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	L1PA8|LIN	6861	NM_130906	53938	Hs.121076	NM_032472	ENSG00000	PPIL3	CYPJ	peptidylp	protein-coding
chr2-2083	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	2.08E+08	2.08E+08	+	0	NA	exon (NM_	exon (NM_	-33653	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyrc	protein-coding
chr2-2164	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	10608	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAF	SWI/SNF r	protein-coding
chr2-2411	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	AluJo|SIN	13515	NM_002712	5510	Hs.36587	NM_002712	ENSG00000	PPP1R7	SDS22	protein p	protein-coding

chr20-360	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr20	36047084	36050019	+	0	NA	non-codin	non-codin	2409	NR_027451	647979	Hs.743232	NR_027451	ENSG00000	NORAD	LINC00657	non-codin	ncRNA
chr3-1225	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr3	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	5920	NM_001146	83666	Hs.518200	NM_031458	ENSG00000	PARP9	ARTD9|BAL	poly(ADP-	protein-coding
chr3-1326	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr3	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	28605	NM_001321	79876	Hs.170737	NM_024818	ENSG00000	UBA5	EIEE44|SC	ubiquitin	protein-coding
chr3-1700	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	63162	NM_014373	26996	Hs.231320	NM_014373	ENSG00000	GPR160	GPCR1|GPC	G protein	protein-coding
chr3-1837	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	7981	NM_001351	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr4-2495	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr4	2495678	2502645	+	0	NA	intron (N	AluSx1|SI	29708	NM_001185	6047	Hs.66394	NM_002938	ENSG00000	RNF4	RES4-26|S	ring fing	protein-coding
chr4-7060	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr4	7060348	7065159	+	0	NA	intron (N	AluY|SINE	5311	NM_025196	80273	Hs.443723	NM_025196	ENSG00000	GRPEL1	GrpE|HMGE	GrpE like	protein-coding
chr4-1222	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	85824	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr4-1228	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr4	1.23E+08	1.23E+08	+	0	NA	intron (N	THE1B-int	41381	NM_007083	11162	Hs.558459	NM_007083	ENSG00000	NUDT6	ASFGF2|FG	nudix hyd	protein-coding
chr5-1039	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr5	10394474	10395962	+	0	NA	intron (N	intron (N	-7146	NR_162106	1.13E+08		NR_162106		MIR10397	-	microRNA	ncRNA
chr5-4077	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr5	40773863	40778082	+	0	NA	intron (N	L2a|LINE|	-20011	NM_012382	23548	Hs.348915	NM_012382	ENSG00000	TTC33	OSRF	tetratric	protein-coding
chr5-9549	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr5	95498386	95500609	+	0	NA	intron (N	MSTA|LTR|	55508	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr5-1462	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	66826	NM_018989	54439	Hs.61441	NM_018989	ENSG00000	RBM27	ARRS1|Psc	RNA bindi	protein-coding
chr5-1795	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L1ME4b|LI	14402	NR_110560	1.02E+08	Hs.663255	NR_110560	ENSG00000	LOC101928	-	uncharact	ncRNA
chr6-2835	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	2835234	2836504	+	0	NA	non-codin	non-codin	5994	NR_073112	1992	Hs.381167	NM_030666	ENSG00000	SERPINB1	EI|ELANH2	serpin fa	protein-coding
chr6-2645	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	26459385	26469175	+	0	NA	intron (N	L2a|LINE|	6325	NM_007049	11120	Hs.159028	NM_007049	ENSG00000	BTN2A1	BK14H9.1|	butyrophi	protein-coding
chr6-3652	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	36521429	36522677	+	0	NA	intron (N	intron (N	25426	NM_007271	11329	Hs.409578	NM_007271	ENSG00000	STK38	NDR|NDR1	serine/th	protein-coding
chr6-4193	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	41932673	41937970	+	0	NA	3' UTR (N	3' UTR (N	6527	NM_001287	896	Hs.534307	NM_001760	ENSG00000	CCND3	-	cyclin D3	protein-coding
chr6-8216	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	82168138	82169089	+	0	NA	Intergeni	Intergeni	-66848	NR_149135	1.03E+08	Hs.485841	NR_149134		LINC02542	-	long inte	ncRNA
chr6-1580	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	3' UTR (N	3' UTR (N	71557	NM_032861	84947	Hs.154706	NM_032861	ENSG00000	SERAC1	-	serine ac	protein-coding
chr7-2033	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr7	203363	206873	+	0	NA	intron (N	intron (N	12547	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMF	FAM20C go	protein-coding
chr7-6469	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr7	64691236	64692894	+	0	NA	intron (N	intron (N	13001	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr7-1521	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	72721	NM_001371474								
chr8-1727	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr8	17274672	17278917	+	0	NA	intron (N	intron (N	29836	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr8-1301	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr8	1.3E+08	1.3E+08	+	0	NA	intron (N	L2a|LINE|	-47783	NR_045385	1.01E+08	Hs.106015	NR_045385	ENSG00000	ASAP1-IT2	-	ASAP1 int	ncRNA
chr9-2836	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr9	2836072	2837218	+	0	NA	intron (N	intron (N	7450	NM_014878	9933	Hs.493309	NM_014878	ENSG00000	PUM3	HA-8|HLA-	pumilio R	protein-coding
chr9-9768	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr9	97683054	97684924	+	0	NA	intron (N	intron (N	13420	NR_149094	7507	Hs.654364	NM_000380	ENSG00000	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr9-1103	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-37097	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1145	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr9	1.15E+08	1.15E+08	+	0	NA	intron (N	AluY|SINE	8574	NM_004888	9550	Hs.388654	NM_004888	ENSG00000	ATP6V1G1	ATP6G|ATF	ATPase H+	protein-coding
chr9-1223	8.657094	-0.03631	0.786711	-0.04615	0.963189	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	49040	NM_001346	92399	Hs.368011	NM_138777	ENSG00000	MRRF	MRFF|MTRF	mitochond	protein-coding
chr19-138	8.713949	-0.0376	0.814612	-0.04615	0.96319	0.981636	chr19	13807513	13808288	+	0	NA	intron (N	MSTA|LTR|	12457	NM_023072	65249	Hs.466015	NM_023072	ENSG00000	ZSWIM4	-	zinc fing	protein-coding
chr1-3793	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr1	37934745	37940127	+	0	NA	intron (N	AluSq2|SI	4828	NM_001350	3633	Hs.449942	NM_005540	ENSG00000	INPP5B	5PTase	inositol	protein-coding
chr1-5385	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr1	53857484	53859764	+	0	NA	intron (N	MIRb|SINE	-20328	NM_001168	55706	Hs.476525	NM_018087	ENSG00000	NDC1	NET3|TMEM	NDC1 tran	protein-coding
chr1-6673	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr1	66733715	66735363	+	0	NA	intron (N	AluSx|SIN	-17920	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 do	protein-coding
chr1-2199	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSx1|SI	-42066	NR_046437	55532	Hs.284450	NM_018713	ENSG00000	SLC30A10	HMDPC|HMN	solute ca	protein-coding
chr10-362	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr10	362071	364620	+	0	NA	intron (N	CpG	183351	NM_001202	10771	Hs.292265	NM_006624	ENSG00000	ZMYND11	BRAM1|BS6	zinc fing	protein-coding
chr10-271	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr10	27109087	27109793	+	0	NA	TTS (NM_0	TTS (NM_0	-8942	NM_014915	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr10-693	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr10	69377956	69380830	+	0	NA	intron (N	L1M5|LINE	37525	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr10-102	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	32450	NM_001199	8729	Hs.290243	NM_004193	ENSG00000	GBF1	ARF1GEF	golgi bre	protein-coding
chr11-356	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr11	35685409	35686857	+	0	NA	intron (N	intron (N	23358	NM_017583	54765	Hs.192103	NM_017583	ENSG00000	TRIM44	AN3|DIPB|	tripartit	protein-coding
chr12-575	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr12	57525569	57526419	+	0	NA	exon (NM_	exon (NM_	3170	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr12-885	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr12	88536506	88538108	+	0	NA	intron (N	L1PA16|LI	43164	NM_000899	4254	Hs.1048	NM_000899	ENSG00000	KITLG	DCUA|DFNA	KIT ligan	protein-coding
chr14-210	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr14	21078247	21085920	+	0	NA	exon (NM_	exon (NM_	-11211	NM_001282	57447	Hs.525205	NM_016250	ENSG00000	NDRG2	SYLD	NDRG fami	protein-coding
chr15-787	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr15	78785140	78787635	+	0	NA	intron (N	MER45B|DN	25077	NM_014272	11173	Hs.16441	NM_014272	ENSG00000	ADAMTS7	ADAM-TS 7	ADAM meta	protein-coding
chr17-533	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	5332035	5333563	+	0	NA	intron (N	AluSx|SIN	50515	NM_001291	9135	Hs.584784	NM_004703	ENSG00000	RABEP1	RAB5EP|RA	rabaptin,	protein-coding
chr17-700	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	7001002	7001552	+	0	NA	intron (N	intron (N	5228	NM_000697	239	Hs.654431	NM_000697	ENSG00000	ALOX12	12-LOX|12	arachidon	protein-coding
chr17-512	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	51265212	51267177	+	0	NA	exon (NM_	exon (NM_	5648	NM_016001	51096	Hs.709327	NM_016001	ENSG00000	UTP18	CGI-48|WE	UTP18 sma	protein-coding
chr17-624	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	62426821	62430504	+	0	NA	intron (N	MER21C|LT	4777	NM_181725	339175	Hs.381204	NM_181725	ENSG00000	METTL2A	METTL2	methyltra	protein-coding
chr17-626	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	62687874	62692314	+	0	NA	intron (N	intron (N	-16112	NR_147886	1.05E+08	Hs.446268	NR_147886	ENSG00000	LOC105371	-	uncharact	ncRNA
chr17-825	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr17	82582791	82585413	+	0	NA	exon (NM_	exon (NM_	64342	NM_019613	56270	Hs.132161	NM_019613	ENSG00000	WDR45B	NEDSBAS|W	WD repeat	protein-coding
chr19-343	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr19	34388295	34389042	+	0	NA	intron (N	intron (N	-15730	NM_001353	84306	Hs.515344	NM_032346	ENSG00000	PDCD2L	-	programme	protein-coding
chr2-3766	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr2	37665296	37667319	+	0	NA	intron (N	MER103C|D	5892	NM_001270	10602	Hs.369574	NM_006449	ENSG00000	CDC42EP3	BORG2|CEF	CDC42 eff	protein-coding
chr2-7488	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr2	74885363	74886974	+	0	NA	intron (N	L2a|LINE|	-22963	NR_125792	1.03E+08	Hs.708649	NR_125792	ENSG00000	LINC01291	-	long inte	ncRNA
chr22-177	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr22	17734858	17735759	+	0	NA	3' UTR (N	3' UTR (N	28650	NM_001270	23786	Hs.631672	NM_015367	ENSG00000	BCL2L13	BCL-RAMBO	BCL2 like	protein-coding
chr3-3700	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr3	37004566	37009091	+	0	NA	intron (N	intron (N	13478	NM_001258	4292	Hs.195364	NM_000249	ENSG00000	MLH1	COCA2|FCC	mutL homo	protein-coding
chr3-4867	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr3	48673718	48677863	+	0	NA	intron (N	AluSz|SIN	10125	NM_184231	51517	Hs.655006	NM_016453	ENSG00000	NCKIPSD	AF3P21|DI	NCK inter	protein-coding
chr3-1192	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	MIRb|SINE	6826	NM_212543	8702	Hs.13225	NM_003778	ENSG00000	B4GALT4	B4Gal-T4|	beta-1,4-	protein-coding
chr4-5190	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr4	51904482	51905703	+	0	NA	intron (N	intron (N	61513	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr5-1375	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr5	13751646	13754574	+	0	NA	intron (N	intron (N	191370	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1728	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr6	17288485	17290309	+	0	NA	intron (N	intron (N	6696	NM_153020	221662	Hs.519904	NM_153020	ENSG00000	RBM24	RNPC6|dJ2	RNA bindi	protein-coding
chr6-8983	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr6	89832126	89833136	+	0	NA	intron (N	AluSx|SIN	2731	NM_012115	9994	Hs.558218	NM_012115	ENSG00000	CASP8AP2	CED-4|FLA	caspase 8	protein-coding
chr6-1078	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSx1|SI	-54920	NM_001286	256380	Hs.486109	NM_198081	ENSG00000	SCML4	dJ47M23.1	Scm polyc	protein-coding
chr6-1110	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	23354	NM_032194	84154	Hs.372265	NM_032194	ENSG00000	RPF2	BXDC1|bA3	ribosome	protein-coding
chr6-1578	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	64571	NM_016224	51429	Hs.191213	NM_016224	ENSG00000	SNX9	SDP1|SH3F	sorting n	protein-coding
chr7-1393	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	17069	NM_016019	51631	Hs.731488	NM_016019	ENSG00000	LUC7L2	CGI-59|CC	LUC7 like	protein-coding
chr8-2247	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr8	22475173	22478296	+	0	NA	intron (N	AluY|SINE	35764	NM_005605	5533	Hs.731683	NM_005605	ENSG00000	PPP3CC	CALNA3|CN	protein p	protein-coding
chr8-6317	6.921718	0.040366	0.876417	0.046058	0.963264	0.981636	chr8	63176087	63177358	+	0	NA	intron (N	AluSz|SIN	7719	NM_001277	253943	Hs.491861	NM_152758	ENSG00000	YTHDF3	-	YTH N6-me	protein-coding
chr8-1251	7.147456	-0.0415	0.904283	-0.04589	0.963398	0.981636	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	L1PA4|LIN	54710	NM_173685	286053	Hs.388297	NM_173685	ENSG00000	NSMCE2	C8orf36|M	NSE2 (MMS	protein-coding
chr1-1124	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr1	11246861	11248481	+	0	NA	exon (NM_	exon (NM_	14880	NM_004958	2475	Hs.338207	NM_004958	ENSG00000	MTOR	FRAP|FRAF	mechanist	protein-coding
chr1-1925	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr1	19256309	19258872	+	0	NA	intron (N	intron (N	5785	NM_016183	51154	Hs.463797	NM_016183	ENSG00000	MRTO4	C1orf33|M	MRT4 homo	protein-coding
chr1-6169	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr1	61697441	61699506	+	0	NA	intron (N	AluSp|SIN	26668	NM_032027	83941	Hs.656790	NM_032027	ENSG00000	TM2D1	BBP	TM2 domai	protein-coding
chr1-9388	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr1	93884659	93890258	+	0	NA	3' UTR (N	3' UTR (N	-8252	NM_014597	30836	Hs.85769	NM_014597	ENSG00000	DNTTIP2	ERBP|FCF2	deoxynucl	protein-coding
chr10-732	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr10	73215894	73217623	+	0	NA	intron (N	L1M2a1|LI	30497	NM_015190	23234	Hs.408577	NM_015190	ENSG00000	DNAJC9	HDJC9|JDD	DnaJ heat	protein-coding
chr10-103	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	exon (NM_	exon (NM_	7843	NM_015916	51063	Hs.241545	NM_015916	ENSG00000	CALHM2	FAM26B	calcium h	protein-coding
chr11-128	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	56064	NM_005238	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr12-121	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	19580	NM_194271	80196	Hs.292804	NM_025126	ENSG00000	RNF34	CARP-1|CA	ring fing	protein-coding
chr16-176	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr16	1766836	1767841	+	0	NA	intron (N	intron (N	4371	NM_002513	4832	Hs.514065	NM_002513	ENSG00000	NME3	DR-nm23|N	NME/NM23	protein-coding
chr17-356	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr17	35657425	35659348	+	0	NA	intron (N	intron (N	71064	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr18-232	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr18	23234168	23236453	+	0	NA	intron (N	intron (N	79485	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr19-942	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr19	942632	944714	+	0	NA	intron (N	MLT1C|LTR	17638	NM_005224	1820	Hs.501296	NM_005224	ENSG00000	ARID3A	BRIGHT|DF	AT-rich i	protein-coding
chr19-436	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr19	43658141	43659467	+	0	NA	intron (N	intron (N	11365	NM_002659	5329	Hs.466871	NM_002659	ENSG00000	PLAUR	CD87|U-PA	plasminog	protein-coding
chr2-1214	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA11|LI	-64034	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFW	RNA, U4at	snRNA
chr20-359	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr20	35942398	35943266	+	0	NA	intron (N	AluY|SINE	11794	NM_033630	51282	Hs.584909	NM_016558	ENSG00000	SCAND1	RAZ1|SDP1	SCAN doma	protein-coding
chr22-387	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr22	38740278	38743428	+	0	NA	intron (N	MIRb|SINE	13613	NM_001199	25777	Hs.517622	NM_015374	ENSG00000	SUN2	UNC84B	Sad1 and	protein-coding
chr3-1195	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	L1MCa|LIN	9902	NM_016589	51300	Hs.477287	NM_016589	ENSG00000	TIMMDC1	C3orf1|MC	transloca	protein-coding
chr3-1723	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	L2a|LINE|	96743	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr4-4244	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr4	4244164	4245272	+	0	NA	intron (N	LTR79|LTR	3505	NM_001297	85013	Hs.12845	NM_032927	ENSG00000	TMEM128	-	transmemb	protein-coding
chr4-7552	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr4	75527416	75529058	+	0	NA	3' UTR (N	3' UTR (N	13764	NM_144721	152815	Hs.479971	NM_144721	ENSG00000	THAP6	-	THAP doma	protein-coding
chr5-6370	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr5	6370997	6373612	+	0	NA	3' UTR (N	3' UTR (N	6243	NM_032286	84246	Hs.13885	NM_032286	ENSG00000	MED10	L6|NUT2|T	mediator	protein-coding
chr5-6566	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr5	65669812	65671715	+	0	NA	intron (N	Kanga2_a|	45736	NM_024941	80006	Hs.591760	NM_024941	ENSG00000	TRAPPC13	C5orf44|S	trafficki	protein-coding
chr5-1389	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	(T)n|Simp	34841	NM_001323	1495	Hs.445981	NM_001903	ENSG00000	CTNNA1	CAP102|MD	catenin a	protein-coding
chr5-1406	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	FAM|SINE|	8664	NM_002109	3035	Hs.528050	NM_002109	ENSG00000	HARS	CMT2W|HRS	histidyl-	protein-coding
chr8-1793	7.40074	0.038874	0.849117	0.045781	0.963485	0.981636	chr8	17937313	17939477	+	0	NA	intron (N	Tigger4b|	15407	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr12-625	3.957447	0.052234	1.14126	0.045769	0.963495	0.981636	chr12	62511924	62512517	+	0	NA	intron (N	THE1B-int	45394	NM_015026	23041	Hs.389378	NM_015026	ENSG00000	MON2	-	MON2 homo	protein-coding
chr17-598	3.957447	0.052234	1.14126	0.045769	0.963495	0.981636	chr17	59818476	59820131	+	0	NA	intron (N	(TTAT)n|S	-21963	NR_029493	406991	Hs.444569	NR_029493	ENSG00000	MIR21	MIRN21|hs	microRNA	ncRNA
chr13-803	8.608096	-0.03673	0.803745	-0.0457	0.963553	0.981636	chr13	80336872	80337448	+	0	NA	exon (NM_	exon (NM_	2499	NM_001318	10253	Hs.18676	NM_005842	ENSG00000	SPRY2	IGAN3|hSF	sprouty R	protein-coding
chr13-102	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	8884	NM_001318	79070	Hs.408629	NM_024089	ENSG00000	POGLUT2	EP58|ERp5	protein O	protein-coding
chr14-709	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr14	70916996	70917799	+	0	NA	intron (N	Tigger1|D	9938	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex l	protein-coding
chr15-762	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr15	76290761	76291286	+	0	NA	intron (N	AluJr4|SI	20446	NM_001127	2108	Hs.39925	NM_000126	ENSG00000	ETFA	EMA|GA2|M	electron	protein-coding
chr20-317	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr20	31709735	31710964	+	0	NA	intron (N	L2a|LINE|	-11158	NR_131907	1.03E+08		NR_131907	ENSG00000	ABALON	INXS	apoptotic	ncRNA
chr4-7312	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr4	73124958	73125914	+	0	NA	intron (N	intron (N	-55677	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr6-1006	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr6	1.01E+08	1.01E+08	+	0	NA	exon (NM_	exon (NM_	-138218	NM_005068	6492	Hs.520293	NM_005068	ENSG00000	SIM1	bHLHe14	SIM bHLH	protein-coding
chr7-1305	6.393698	0.04174	0.913973	0.045669	0.963574	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	11401	NR_029899	442904		NR_029899	ENSG00000	MIR335	MIRN335|h	microRNA	ncRNA
chr1-2261	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSx|SIN	5941	NM_022735	64746	Hs.520207	NM_022735	ENSG00000	ACBD3	GCP60|GOC	acyl-CoA	protein-coding
chr10-619	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr10	61997522	62001680	+	0	NA	intron (N	MER47B|DN	-49756	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-114	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr10	1.15E+08	1.15E+08	+	0	NA	3' UTR (N	3' UTR (N	39786	NM_001135	57700	Hs.192619	NM_020940	ENSG00000	FAM160B1	KIAA1600|	family wi	protein-coding
chr12-305	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr12	305289	308671	+	0	NA	exon (NM_	exon (NM_	-44107	NM_001190	6540	Hs.504398	NM_016615	ENSG00000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-108	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr12	1.09E+08	1.09E+08	+	0	NA	promoter-	promoter-	-314	NR_030350	693204		NR_030350	ENSG00000	MIR619	MIRN619|h	microRNA	ncRNA
chr13-110	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA5|LIN	30827	NM_001352	79587	Hs.508725	NM_024537	ENSG00000	CARS2	COXPD27|c	cysteinyl	protein-coding
chr15-929	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr15	92960898	92969660	+	0	NA	intron (N	AluY|SINE	60880	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr18-327	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr18	3272601	3278377	+	0	NA	intron (N	L1MA3|LIN	12770	NM_001144	103910	Hs.190086	NM_033546	ENSG00000	MYL12B	MLC-B|MRL	myosin li	protein-coding
chr18-232	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr18	23252274	23255017	+	0	NA	intron (N	intron (N	97820	NM_138375	91768	Hs.11108	NM_138375	ENSG00000	CABLES1	CABL1|CAE	Cdk5 and	protein-coding
chr18-458	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr18	45857670	45858095	+	0	NA	exon (NM_	exon (NM_	32207	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr19-456	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr19	45616442	45617392	+	0	NA	intron (N	intron (N	-14705	NM_005282	2828	Hs.17170	NM_005282	ENSG00000	GPR4	-	G protein	protein-coding
chr19-489	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr19	48979903	48989757	+	0	NA	intron (N	AluYh3|SI	8479	NM_002103	2997	Hs.386225	NM_002103	ENSG00000	GYS1	GSY|GYS	glycogen	protein-coding
chr2-6951	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr2	69517956	69522281	+	0	NA	promoter-	promoter-	53	NR_003705	1E+08	Hs.693447	NR_003705	ENSG00000	SNORA36C	-	small nuc	snoRNA
chr2-9509	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr2	95097594	95099006	+	0	NA	intron (N	L1PA6|LIN	23257	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochond	protein-coding
chr2-1053	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	4393	NM_001318	2274	Hs.443687	NM_001450	ENSG00000	FHL2	AAG11|DRA	four and	protein-coding
chr2-2415	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	Ricksha_c	-28024	NR_033346	1E+08	Hs.621128	NR_033346		BOK-AS1	BOK-AS|BO	BOK antis	ncRNA
chr22-403	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr22	40358183	40365551	+	0	NA	intron (N	L2c|LINE|	-8727	NR_146413	27352	Hs.474914	NM_015705	ENSG00000	SGSM3	CIP85|MAF	small G p	protein-coding
chr22-412	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr22	41220860	41222323	+	0	NA	intron (N	L2c|LINE|	-3964	NR_148200	1.01E+08	Hs.627409	NR_148200	ENSG00000	LOC100506	-	uncharact	ncRNA
chr3-9985	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr3	99856483	99865451	+	0	NA	intron (N	intron (N	15206	NM_001370	11259	Hs.104672	NM_014890	ENSG00000	FILIP1L	DOC-1|DOC	filamin A	protein-coding
chr4-7841	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr4	7841109	7841383	+	0	NA	intron (N	LTR16A|LT	31062	NM_001371090								

chr6-564	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr6	56467794	56477376	+	0	NA	intron (	intron (	-78457	NM_00131	81578	Hs.47629	NM_03082	ENSG0000	COL21A1	COLA1L|FF	collagen	protein-coding
chr6-565	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr6	56508152	56509938	+	0	NA	intron (	intron (	-114917	NM_00131	81578	Hs.47629	NM_03082	ENSG0000	COL21A1	COLA1L|FF	collagen	protein-coding
chr7-747	9.143974	-0.03495	0.768154	-0.0455	0.963712	0.981636	chr7	74759715	74760866	+	0	NA	3’ UTR (	3’ UTR (	-13672	NM_00026	653361	Hs.647047	NM_00026	ENSG0000	NCF1	NCF1A|NO	neutrophi	protein-coding
chr6-8967	9.308972	0.035572	0.782431	0.045464	0.963738	0.981636	chr6	89677059	89677505	+	0	NA	intron (	AluSz6|SI	-38535	NM_02046	57226	Hs.17727	NM_02046	ENSG0000	LYRM2	DJ12208.	LYR motif	protein-coding
chr11-636	8.219211	-0.03736	0.822003	-0.04546	0.963745	0.981636	chr11	63647391	63649160	+	0	NA	intron (	HAL1|LINE	23101	NM_01545	25923	Hs.35671	NM_01545	ENSG0000	ATL3	HSN1F	atlastin	protein-coding
chr13-242	8.219211	-0.03736	0.822003	-0.04546	0.963745	0.981636	chr13	24289505	24291059	+	0	NA	intron (	intron (	-16884	NM_00130	338872	Hs.362854	NM_17854	ENSG0000	C1QTNF9	AQL1|C1Q	C1q and T	protein-coding
chr9-132	8.219211	-0.03736	0.822003	-0.04546	0.963745	0.981636	chr9	1.32E+08	1.32E+08	+	0	NA	intron (	Charlie2b	86794	NM_001351	23064	Hs.460317	NM_01504	ENSG0000	SETX	ALS4|AOA	senataxi	protein-coding
chr1-3097	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr1	30978105	30980316	+	0	NA	intron (	intron (	-10973	NR_00306	692200		NR_003066		SNORD103	HBII-251|	small nuc	snoRNA
chr1-236	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (	intron (	-33399	NR_03404	1E+08	Hs.67737	NR_03404	ENSG0000	LGALS8-A	-	LGALS8 ar	ncRNA
chr11-337	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr11	33730264	33730618	+	0	NA	intron (	Tigger2b_	6038	NM_203331	966	Hs.27857	NM_000611	ENSG0000	CD59	16.3A5|1F	CD59 mole	protein-coding
chr12-94	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr12	943373	944457	+	0	NA	intron (	intron (	5779	NM_134424	5893	Hs.41035	NM_13442	ENSG0000	RAD52	-	RAD52 hom	protein-coding
chr12-121	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr12	12157519	12159075	+	0	NA	intron (	intron (	46345	NR_03605	1E+08		NR_03605	ENSG0000	MIR1244-1	MIR1244|	microRNA	ncRNA
chr13-19	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr13	19837572	19838483	+	0	NA	intron (	intron (	25609	NM_00103	9205	Hs.53098	NM_01424	ENSG0000	ZMYM5	HSPC050|	zinc fing	protein-coding
chr14-241	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr14	24160134	24160636	+	0	NA	promoter-	promoter-	-880	NM_006084	10379	Hs.1706	NM_006084	ENSG0000	IRF9	IRF-9|IS	interfer	protein-coding
chr17-181	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr17	18194981	18199899	+	0	NA	intron (	intron (	13612	NM_01775	54890	Hs.74413	NM_01775	ENSG0000	ALKBH5	ABH5|OFO	alkB hom	protein-coding
chr22-387	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr22	38724145	38725475	+	0	NA	intron (	MIRb|SINE	18866	NM_00428	9567	Hs.27692	NM_00428	ENSG0000	GTPBP1	GP-1|GP1|	GTP bindi	protein-coding
chr4-122	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (	intron (	68660	NM_01531	84162	Hs.40814	NM_01531	ENSG0000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-137	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr5	13720600	13720932	+	0	NA	intron (	intron (	223714	NM_00136	1767	Hs.21236	NM_00136	ENSG0000	DNAH5	CILD3|DN	dynein ax	protein-coding
chr5-361	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr5	36107377	36108352	+	0	NA	intron (	L1MCc|LI	40124	NR_03030	693165		NR_03030	ENSG0000	MIR580	MIRN580|	microRNA	ncRNA
chr8-253	7.879763	0.037531	0.826219	0.045425	0.963769	0.981636	chr8	25304445	25304787	+	0	NA	intron (	L1M6B|LI	-40786	NR_10693	1.02E+08		NR_10693	ENSG0000	MIR6876	hsa-mir-	microRNA	ncRNA
chr4-150	5.378798	0.048416	1.068394	0.045317	0.963855	0.981636	chr4	1.5E+08	1.5E+08	+	0	NA	non-codi	non-codi	177997	NM_00104	166614	Hs.59168	NM_15261	ENSG0000	DCLK2	CL2|CLIC	doublecor	protein-coding
chr11-11	7.188595	-0.03944	0.873951	-0.04513	0.964003	0.981636	chr11	1.18E+08	1.18E+08	+	0	NA	intron (	intron (	7093	NM_00478	9354	Hs.75275	NM_00478	ENSG0000	UBE4A	E4|UBOX2|	ubiquiti	protein-coding
chr20-33	7.188595	-0.03944	0.873951	-0.04513	0.964003	0.981636	chr20	33638614	33638933	+	0	NA	intron (	intron (	-23554	NM_08082	128864	Hs.324104	NM_08082	ENSG0000	C20orf144	dJ63M2.6	chromoso	protein-coding
chr5-613	7.188595	-0.03944	0.873951	-0.04513	0.964003	0.981636	chr5	61336964	61337411	+	0	NA	intron (	AluSx1|SI	4929	NM_02092	57688	Hs.74493	NM_02092	ENSG0000	ZSWIM6	AFND|NED	zinc fing	protein-coding
chr7-9954	7.188595	-0.03944	0.873951	-0.04513	0.964003	0.981636	chr7	99543565	99544026	+	0	NA	Intergeni	Intergeni	8319	NM_145111	221786	Hs.596587	NM_145111	ENSG0000	FAM200A	C7orf38	family wi	protein-coding
chr8-132	7.188595	-0.03944	0.873951	-0.04513	0.964003	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-23670	NM_00323	7038	Hs.654591	NM_00323	ENSG0000	TG	AITD3|TG	thyroglo	protein-coding
chr12-504	8.358785	0.036305	0.806889	0.044993	0.964113	0.981636	chr12	50443501	50445551	+	0	NA	intron (	intron (	-12045	NR_13275	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr17-14	8.407783	0.036458	0.811392	0.044933	0.964161	0.981636	chr17	14033660	14034380	+	0	NA	non-codi	non-codi	9522	NR_003261	94158	Hs.63307	NR_003261		CDRT15P1	CDRT15P	CMT1A du	pseudo
chr2-113	8.407783	0.036458	0.811392	0.044933	0.964161	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	intron (	MER135|D	1738	NR_015377	654433	Hs.65666	NR_015377	ENSG0000	PAX8-AS1	-	PAX8 anti	ncRNA
chr22-451	8.407783	0.036458	0.811392	0.044933	0.964161	0.981636	chr22	45156910	45158115	+	0	NA	intron (	intron (	-4928	NR_038957	1.01E+08	Hs.18990	NR_038956		NUP50-DT	NUP50-AS1	NUP50 div	ncRNA
chr3-1421	8.407783	0.036458	0.811392	0.044933	0.964161	0.981636	chr3	1.42E+08	1.42E+08	+	0	NA	intron (	intron (	-27834	NM_00117	7029	Hs.37901	NM_00628	ENSG0000	TFDP2	DP2	transcri	protein-coding
chr5-346	8.407783	0.036458	0.811392	0.044933	0.964161	0.981636	chr5	34658120	34658605	+	0	NA	intron (	intron (	1871	NM_00114	26064	Hs.43140	NM_015577	ENSG0000	RAI14	NORPEG|R	retinoic	protein-coding
chr1-150	6.872721	0.039974	0.889908	0.04492	0.964171	0.981636	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	AluSz6|SI	10755	NM_207047	2029	Hs.63245	NM_00443	ENSG0000	ENSA	ARPP-19e	endosulfi	protein-coding
chr2-3257	6.872721	0.039974	0.889908	0.04492	0.964171	0.981636	chr2	32578374	32578812	+	0	NA	intron (	AluSz6|SI	-3775	NR_12579	1.04E+08	Hs.66609	NR_12579	ENSG0000	BIRC6-AS	linc-bir	BIRC6 ant	ncRNA
chr4-139	6.872721	0.039974	0.889908	0.04492	0.964171	0.981636	chr4	1.4E+08	1.4E+08	+	0	NA	3’ UTR (	3’ UTR (	46660	NM_00130	80854	Hs.48079	NM_03064	ENSG0000	SETD7	KMT7|SET	SET domai	protein-coding
chr13-491	7.237593	-0.03902	0.868852	-0.04491	0.96418	0.981636	chr13	49173777	49175739	+	0	NA	intron (	intron (	-45580	NM_001507	2862	Hs.24812	NM_001507	ENSG0000	MLNR	GPR38|MT	motilin	protein-coding
chr17-504	7.237593	-0.03902	0.868852	-0.04491	0.96418	0.981636	chr17	50484939	50485731	+	0	NA	non-codi	non-codi	6475	NM_01834	55316	Hs.8033	NM_01834	ENSG0000	RSAD1	HemW	radical	protein-coding
chr7-2194	7.237593	-0.03902	0.868852	-0.04491	0.96418	0.981636	chr7	219429	220139	+	0	NA	intron (	intron (	27213	NM_02022	56975	Hs.13474	NM_02022	ENSG0000	FAM20C	DMP-4|DM	FAM20C g	protein-coding
chr1-206	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr1	20657758	20659198	+	0	NA	intron (	MER113|D	3066	NM_00521	1650	Hs.52314	NM_00521	ENSG0000	DDOST	AGER1|CD	dolichyl-	protein-coding
chr1-179	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (	AluSx|SI	20078	NM_01560	26092	Hs.49645	NM_01560	ENSG0000	TOR1AIP1	LAP1|LAP1	torsin 1	protein-coding
chr13-11	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (	AluSx3|SI	18656	NM_00135	79587	Hs.50872	NM_024537	ENSG0000	CARS2	COXPD27|	cysteinyl	protein-coding
chr14-64	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr14	64932658	64934245	+	0	NA	3’ UTR (	3’ UTR (	9294	NR_13807	2877	Hs.2704	NM_00208	ENSG0000	GPX2	GI-GPx|G	glutathi	protein-coding
chr16-74	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr16	74344089	74344735	+	0	NA	intron (	AluSz|SI	23843	NR_02695	283922	Hs.55872	NR_02695	ENSG0000	LOC28392	-	pyruvate	pseudo
chr17-671	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr17	67142529	67143443	+	0	NA	intron (	AluSx1|SI	98432	NM_000727	786	Hs.14798	NM_000727	ENSG0000	CACNG1	CACNLG	calcium	protein-coding
chr22-17	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr22	17098748	17099174	+	0	NA	intron (	intron (	14002	NM_00128	23765	Hs.48353	NM_01433	ENSG0000	IL17RA	CANDF5|C	interleu	protein-coding
chr3-149	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr3	1.49E+08	1.49E+08	+	0	NA	intron (	L1ME2|LI	-3707	NR_04664	1.01E+08	Hs.74242	NR_04664	ENSG0000	HLTF-AS1	-	HLTF anti	ncRNA
chr5-715	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr5	71509127	71510276	+	0	NA	exon (NM_	exon (NM_	54050	NM_01842	55814	Hs.25827	NM_01842	ENSG0000	BDP1	DFNB112|	B double	protein-coding
chr6-1354	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr6	1.35E+08	1.35E+08	+	0	NA	intron (	MLT1F2|LT	33221	NM_001134	54806	Hs.386684	NM_017651	ENSG0000	AHI1	AHI-1|JB	Abelson	protein-coding
chr7-639	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr7	6392167	6392982	+	0	NA	intron (	intron (	18047	NM_00690	5879	Hs.41381	NM_00690	ENSG0000	RAC1	MIG5|MRD4	Rac famil	protein-coding
chr7-111	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr7	1.12E+08	1.12E+08	+	0	NA	intron (	intron (	125399	NR_10380	1.01E+08	Hs.67751	NR_10380	ENSG0000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr7-155	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chr7	1.56E+08	1.56E+08	+	0	NA	intron (	MIRc|SINE	3731	NM_05304	155435	Hs.59181	NM_05304	ENSG0000	RBM33	PRR8	RNA bindi	protein-coding
chrX-129	7.675476	-0.03772	0.840082	-0.0449	0.964185	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (	intron (	5529	NM_00664	10813	Hs.45859	NM_00664	ENSG0000	UTP14A	NYCO16|S	UTP14A sm	protein-coding
chr7-764	9.630854	-0.03377	0.75234	-0.04488	0.964201	0.981636	chr7	76484207	76485056	+	0	NA	intron (	intron (	4121	NM_00110	113878	Hs.18705	NM_02089	ENSG0000	DTX2	RNF58	deltex E	protein-coding
chr10-13	9.365827	0.034463	0.768535	0.044843	0.964233	0.981636	chr10	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	-14292	NM_001164	101	Hs.501574	NM_00110	ENSG0000	ADAM8	CD156|CD1	ADAM met	protein-coding
chr22-31	9.365827	0.034463	0.768535	0.044843	0.964233	0.981636	chr22	31205412	31206060	+	0	NA	non-codi	non-codi	-6562	NM_00556	3985	Hs.47459	NM_00556	ENSG0000	LIMK2	-	LIM domai	protein-coding
chr7-112	9.365827	0.034463	0.768535	0.044843	0.964233	0.981636	chr7	1.13E+08	1.13E+08	+	0	NA	intron (	Tigger1|D	46395	NM_15255	154743	Hs.489734	NM_15255	ENSG0000	BMT2	C7orf60|	base met	protein-coding
chr12-12	7.92876	0.037598	0.838943	0.044816	0.964254	0.981636	chr12	1.24E+08	1.24E+08	+	0	NA	intron (	intron (	-13091	NM_207437	196385	Hs.622654	NM_207437	ENSG0000	DNAH10	-	dynein ax	protein-coding
chr16-23	4.964489	0.04594	1.025176	0.044812	0.964257	0.981636	chr16	23632775	23633490	+	0	NA	intron (	intron (	8225	NM_02467	79728	Hs.444664	NM_02467	ENSG0000	PALB2	FANCN|PN	partner	protein-coding
chr3-1291	4.964489	0.04594	1.025176	0.044812	0.964257	0.981636	chr3	1.29E+08	1.29E+08	+	0	NA	intron (	AluY|SINE	11184	NM_001204	339122	Hs.38113	NM_19849	ENSG0000	RAB43	RAB11B|R	RAB43, m	protein-coding
chr12-71	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr12	7139312	7139784	+	0	NA	intron (	L2a|LINE|	9177	NM_01471	9746	Hs.53537	NM_01471	ENSG0000	CLSTN3	CDHR14|C	calsynte	protein-coding
chr14-101	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	intron (	intron (	-42875	NM_00137	1778	Hs.61408	NM_00137	ENSG0000	DYNC1H1	CMT20|DH	dynein cy	protein-coding
chr15-99	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr15	99685822	99686578	+	0	NA	intron (	L1PB1|LI	47237	NM_001284	145748	Hs.56256	NM_15244	ENSG0000	LYSMD4	-	LysM dom	protein-coding
chr17-44	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr17	44866143	44866699	+	0	NA	intron (	AluSz6|SI	18538	NR_073504	51751	Hs.151787	NM_01643	ENSG0000	HIGD1B	CLST1124	HIG1 hyp	protein-coding
chr2-182	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr2	1.83E+08	1.83E+08	+	0	NA	intron (	intron (	-64399	NM_00146	2487	Hs.12845	NM_00146	ENSG0000	FRZB	FRE|FRIT	frizzled	protein-coding
chr21-33	4.436469	0.04856	1.085636	0.044729	0.964323	0.981636	chr21	33581862	33582614	+	0	NA	exon (NM_	exon (NM_	6446	NM_01761	29980	Hs.436341	NM_01761	ENSG0000	DONSON	B17|C21o	downstre	protein-coding
chr13-19	9.844849	0.033567	0.751748	0.044652	0.964385	0.981636	chr13	19974445	19974743	+	0	NA	intron (	AluSg|SI	14780	NR_14836	7750	Hs.50743	NM_00345	ENSG0000	ZMYM2	FIM|MYM|	zinc fing	protein-coding
chr10-89	10.06874	-0.03316	0.744538	-0.04454	0.964477	0.981636	chr10	89019737	89021035	+	0	NA	Intergeni	MER61F|LT	-27411	NR_028371	1E+08	Hs.24413	NR_028371		FAS-AS1	FAS-AS|F	FAS anti	ncRNA
chr2-551	10.06874	-0.03316	0.744538	-0.04454	0.964477	0.981636	chr2	55199916	55200181	+	0	NA	intron (	AluJb|SI	-31855	NM_00113	6233	Hs.31164	NM_002954	ENSG0000	RPS27A	CEP80|HE	ribosomal	protein-coding
chr1-2087	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr1	20878327	20879902	+	0	NA	intron (	intron (	-92426	NM_016287	50809	Hs.14244	NM_016287	ENSG0000	HP1BP3	HP1-BP74|	heteroch	protein-coding
chr10-701	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr10	70164378	70166910	+	0	NA	intron (	Tigger1|D	4870	NM_001142	56681	Hs.49996	NM_02015	ENSG0000	SAR1A	SAR1|SAR	secretio	protein-coding
chr11-57	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr11	57672153	57675545	+	0	NA	intron (	AluSx1|SI	5735	NM_015457	25921	Hs.27239	NM_015457	ENSG0000	ZDHHC5	DHHC5|ZN	zinc fing	protein-coding
chr11-61	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr11	61374662	61376160	+	0	NA	Intergeni	AluSq|SI	13037	NM_016464	51524	Hs.40653	NM_016464	ENSG0000	TMEM138	HSPC196	transmem	protein-coding
chr11-12	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr11	1.22E+08	1.22E+08	+	0	NA	promoter-	promoter-	65	NR_029671	406911		NR_029671	ENSG0000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr11-12	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr11	1.23E+08	1.23E+08	+	0	NA	intron (	intron (	23475	NM_02476	79827	Hs.59194	NM_02476	ENSG0000	CLMP	ACAM|ASA	CXADR li	protein-coding
chr14-55	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr14	55616685	55618024	+	0	NA	intron (	L1MD|LINE	37147	NM_00107	3895	Hs.509414	NM_00498	ENSG0000	KTN1	CG1|KNT|	kinectin	protein-coding
chr15-434	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr15	43445464	43446420	+	0	NA	intron (	L2-3_Crp|	47214	NM_001141	7158	Hs.44096	NM_005657	ENSG0000	TP53BP1	53BP1|TD	tumor pr	protein-coding
chr17-44	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr17	44892542	44894554	+	0	NA	intron (	intron (	5820	NM_00125	9343	Hs.151787	NM_004247	ENSG0000	EFTUD2	MFDGA|MF	elongati	protein-coding
chr19-11	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr19	11041608	11043189	+	0	NA	intron (	intron (	-46964	NM_000527	3949	Hs.21328	NM_000527	ENSG0000	LDLR	FH|FHC|L	low densi	protein-coding
chr20-45	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr20	45963296	45964198	+	0	NA	exon (NM_	exon (NM_	8456	NM_02209	63925	Hs.17419	NM_02209	ENSG0000	ZNF335	MCPH10|N	zinc fing	protein-coding
chr20-48	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr20	48976078	48978661	+	0	NA	intron (	L1PA6|LI	55658	NM_00642	10564	Hs.62578	NM_00642	ENSG0000	ARFGEF2	BIG2|PVN	ADP ribo	protein-coding
chr21-44	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr21	44092308	44094213	+	0	NA	intron (	AluJb|SI	-14139	NM_00136	1.03E+08	Hs.44907	NM_00136	ENSG0000	LOC102724	-	periodic	protein-coding
chr6-157	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	52264	NM_016224	51429	Hs.19121	NM_016224	ENSG0000	SNX9	SDP1|SH3	sorting	protein-coding
chr7-4361	8.162356	-0.03613	0.811868	-0.04451	0.9645	0.981636	chr7	43619816	43621984	+	0	NA	intron (	intron (	37792	NM_00476	9263	Hs.70948	NM_00476	ENSG0000	STK17A	DRAK1	serine/t	protein-coding
chr8-202	8.837807	0.035169	0.790508	0.04449	0.964514	0.981636	chr8	20206240	20206835	+	0	NA	intron (	MER21C|LT	9156	NM_00169	526	Hs.295917	NM_00169	ENSG0000	ATP6V1B2	ATP6B1B2|	ATPase H	protein-coding
chr10-24	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr10	24502027	24502625	+	0	NA	intron (	intron (	35795	NM_00128	56243	Hs.44588	NM_01959	ENSG0000	KIAA1217	ETL4|SKT	KIAA1217	protein-coding
chr11-33	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr11	33300455	33301141	+	0	NA	intron (	AluJb|SI	42467	NM_00127	10114	Hs.20191	NM_005734	ENSG0000	HIPK3	DYRK6|FI	homeodom	protein-coding
chr13-517	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr13	51756261	51756666	+	0	NA	intron (	intron (	47699	NM_00127	79758	Hs.26672	NM_02470	ENSG0000	DHRS12	SDR40C1	dehydrog	protein-coding
chr15-22	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr15	22575812	22580303	+	0	NA	intron (	MER90a|LT	39797	NM_00128	653073	Hs.574257	NM_00128	ENSG0000	GOLGA8J	-	golgin A	protein-coding
chr17-18	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr17	18874867	18876075	+	0	NA	intron (	AluSx3|SI	10002	NM_00124	5636	Hs.63223	NM_002767	ENSG0000	PRPSAP2	PAP41	phosphori	protein-coding
chr18-58	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr18	58535027	58535689	+	0	NA	exon (NM_	exon (NM_	-65262	NR_13296	1.07E+08		NR_132963		SNORA108	-	small nuc	snoRNA
chr2-885	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr2	88560123	88561872	+	0	NA	intron (	HAL1|LINE	22277	NR_11023	1.02E+08	Hs.73804	NR_11023	ENSG0000	LOC10192	-	uncharac	ncRNA
chr2-132	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (	intron (	34771	NR_13557	1.02E+08	Hs.680114	NR_13557	ENSG0000	NCKAP5-A	-	NCKAP5 a	ncRNA
chr5-1341	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr5	1.34E+08	1.34E+08	+	0	NA	3’ UTR (	3’ UTR (	22633	NM_17067	6500	Hs.17162	NM_00693	ENSG0000	SKP1	EMC19|OC	S-phase	protein-coding
chr6-821	5.443512	0.043472	0.978029	0.044449	0.964547	0.981636	chr6	82167402	82168107	+	0	NA	Intergeni	L1M4|LINE	-65989	NR_14913	1.03E+08	Hs.485841	NR_149134		LINC0254	-	long int	ncRNA
chr13-19	7.724473	-0.03726	0.83936	-0.04439	0.96459	0.981636	chr13	19824868	19825584	+	0	NA	exon (NM_	exon (NM_	38410	NM_00103	9205	Hs.53098	NM_01424	ENSG0000	ZMYM5	HSPC050|	zinc fing	protein-coding
chr5-131	7.724473	-0.03726	0.83936	-0.04439	0.96459	0.981636	chr5	1.32E+08	1.32E+08	+	0	NA	intron (	MER83B-i	-26144	NM_001164	51735	Hs.48332	NM_01634	ENSG0000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr4-119	7.351743	0.038384	0.869807	0.044129	0.964801	0.981636	chr4	1.2E+08	1.2E+08	+	0	NA	intron (	intron (	71690	NR_03763	645513	Hs.67754	NR_03763	ENSG0000	LOC64551	-	septin 7	pseudo
chr12-35	9.192972	-0.03467	0.785844	-0.04412	0.964806	0.981636	chr12	35990067	35991094	+	0	NA	Intergeni	ALR/Alph	1968084	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|D	ALG10 al	protein-coding
chr1-379	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr1	37965083	37965538	+	0	NA	intron (	FLAM_C|SI	-18253	NR_15862	3633	Hs.44994	NM_00554	ENSG0000	INPP5B	5PTase	inositol	protein-coding
chr10-79	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr10	79388640	79389236	+	0	NA	intron (	MIRc|SINE	41469	NM_00572	10105	Hs.38107	NM_00572	ENSG0000	PPIF	CYP3|CyP-	peptidyl	protein-coding
chr10-10	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (	AluSx|SI	19248	NM_024541	79591	Hs.16004	NM_024541	ENSG0000	ARMH3	C10orf76	armadill	protein-coding
chr11-12	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr11	12512459	12513744	+	0	NA	intron (	intron (	135530	NM_01822	55742	Hs.432914	NM_01822	ENSG0000	PARVA	CH-ILKBP|	parvin al	protein-coding
chr11-621	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr11	62147430	62150785	+	0	NA	intron (	intron (	25096	NM_00104	3619	Hs.14217	NM_02023	ENSG0000	INCENP	-	inner ce	protein-coding
chr12-101	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr12	1.02E+08	1.02E+08	+	0	NA	intron (	AluSp|SI	31465	NM_01837	55332	Hs.525634	NM_01837	ENSG0000	DRAM1	DRAM	DNA dama	protein-coding
chr13-20	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr13	20027964	20030750	+	0	NA	intron (	MLT1A0|LT	69543	NR_14836	7750	Hs.50743	NM_00345	ENSG0000	ZMYM2	FIM|MYM|	zinc fing	protein-coding
chr14-36	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr14	36305715	36307404	+	0	NA	intron (	AluSp|SI	14078	NM_00130	51562	Hs.368647	NM_01658	ENSG0000	MBIP	-	MAP3K12	protein-coding
chr14-104	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr14	1.05E+08	1.05E+08	+	0	NA	intron (	AluSz|SI	17264	NM_00516	207	Hs.52562	NM_00516	ENSG0000	AKT1	AKT|CWS6|	AKT seri	protein-coding
chr15-45	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr15	45595346	45598897	+	0	NA	intron (	L1MC|LINE	9349	NR_132357	26258	Hs.7037	NM_01238	ENSG0000	BLOC1S6	BLOS6|HP	biogenes	protein-coding
chr17-15	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr17	15977467	15978087	+	0	NA	3’ UTR (	3’ UTR (	21927	NM_00104	125150	Hs.59398	NM_00104	ENSG0000	ZSWIM7	SWS1	zinc fing	protein-coding
chr19-21	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr19	21043842	21045967	+	0	NA	intron (	L1PA10|LI	24247	NM_00117	80264	Hs.72920	NM_02518	ENSG0000	ZNF430	-	zinc fing	protein-coding
chr19-44	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr19	44988837	44992900	+	0	NA	exon (NM_	exon (NM_	-10596	NM_00650	5971	Hs.65440	NM_00650	ENSG0000	RELB	I-REL|IM	RELB prot	protein-coding
chr2-615	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr2	61503634	61505895	+	0	NA	intron (	intron (	33592	NM_00340	7514	Hs.37077	NM_00340	ENSG0000	XPO1	CRM-1|CR	exportin	protein-coding
chr2-179	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr2	1.8E+08	1.8E+08	+	0	NA	intron (	L1ME3A|LI	57508	NM_02094	57703	Hs.31136	NM_02094	ENSG0000	CWC22	EIF4GL|N	CWC22 spl	protein-coding
chr2-238	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr2	2.38E+08	2.38E+08	+	0	NA	exon (NM_	exon (NM_	8516	NM_00113	26146	Hs.63189	NM_01565	ENSG0000	TRAF3IP1	IFT54|MI	TRAF3 int	protein-coding
chr20-58	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr20	58270434	58271006	+	0	NA	intron (	L1MC5a|LI	38719	NR_00350	55370	Hs.47317	NM_018498		PPP4R1L	C20orf19	protein	pseudo
chr22-38	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr22	38226847	38227275	+	0	NA	intron (	intron (	-2341	NR_132774	1.07E+08		NR_132774		SNORA92	-	small nuc	snoRNA
chr3-522	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr3	52232767	52234102	+	0	NA	intron (	Charlie8|	5724	NM_007284	11344	Hs.43643	NM_007284	ENSG0000	TWF2	A6RP|A6r|	twinfili	protein-coding
chr3-662	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr3	66239473	66240294	+	0	NA	intron (	Tigger2|D	18880	NM_00135	115286	Hs.37938	NM_173471	ENSG0000	SLC25A26	COXPD28|	solute c	protein-coding
chr5-1484	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr5	1.48E+08	1.48E+08	+	0	NA	intron (	intron (	35865	NM_03079	81545	Hs.48377	NM_03079	ENSG0000	FBXO38	Fbx38|HM	F-box pr	protein-coding
chr6-789	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr6	7890794	7896477	+	0	NA	intron (	intron (	16442	NM_00114	81567	Hs.150837	NM_02208	ENSG0000	TXNDC5	ENDOPDI|	thioredo	protein-coding
chr6-1614	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr6	16145526	16146401	+	0	NA	intron (	intron (	4407	NR_03978	1.01E+08		NR_03978	ENSG0000	MIR4639	-	microRNA	ncRNA
chr6-157	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr6	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	46349	NM_016224	51429	Hs.19121	NM_016224	ENSG0000	SNX9	SDP1|SH3	sorting	protein-coding
chr7-107	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (	MIR3|SINE	5309	NM_001371354								

chr8-4315	5.922534	0.04139	0.939939	0.044035	0.964877	0.981636	chr8	43157494	43158964	+	0	NA	intron (N	AluSc5|SI	17765	NM_152419	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr1-8534	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr1	85349075	85350976	+	0	NA	intron (N	L1ME3Cz|L	54481	NM_001330	23576	Hs.713411	NM_012137	ENSG00000	DDAH1	DDAH|DDAH	dimethyla	protein-coding
chr13-200	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr13	20058565	20060216	+	0	NA	intron (N	intron (N	-43311	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr13-306	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr13	30642477	30645471	+	0	NA	intron (N	intron (N	9759	NM_001321	10208	Hs.533831	NM_005800	ENSG00000	USPL1	C13orf22|	ubiquitin	protein-coding
chr13-410	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr13	41074667	41079654	+	0	NA	intron (N	L1PB4|LIN	15651	NM_007187	11193	Hs.411300	NM_007187	ENSG00000	WBP4	FBP21	WW domain	protein-coding
chr14-348	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr14	34853636	34853993	+	0	NA	intron (N	intron (N	-20377	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr14-731	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr14	73198052	73198592	+	0	NA	intron (N	intron (N	-39184	NR_158677	89932	Hs.509909	NM_173462	ENSG00000	PAPLN	PPN	papilin,	protein-coding
chr14-884	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr14	88410295	88411198	+	0	NA	intron (N	L1PA7|LIN	25089	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr15-590	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr15	59088883	59091770	+	0	NA	intron (N	AluSx1|SI	-14820	NM_004701	9133	Hs.194698	NM_004701	ENSG00000	CCNB2	HsT17299	cyclin B2	protein-coding
chr15-996	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr15	99678251	99679276	+	0	NA	3' UTR (N	3' UTR (N	45785	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr16-188	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr16	18895826	18896814	+	0	NA	intron (N	intron (N	30084	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr17-548	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr17	5483044	5484581	+	0	NA	intron (N	intron (N	2366	NM_016041	51009	Hs.286131	NM_016041	ENSG00000	DERL2	CGI-101|D	derlin 2	protein-coding
chr17-418	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr17	41867922	41869024	+	0	NA	intron (N	intron (N	-3050	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr17-600	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr17	60066720	60075970	+	0	NA	intron (N	L1MC5|LIN	7586	NM_022070	63897	Hs.221899	NM_022070	ENSG00000	HEATR6	ABC1	HEAT repe	protein-coding
chr18-576	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr18	57687867	57689976	+	0	NA	intron (N	intron (N	58590	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr18-799	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr18	79928579	79931154	+	0	NA	intron (N	L1M4b|LIN	21787	NM_001146	80148	Hs.288284	NM_025078	ENSG00000	SLC66A2	PQLC1	solute ca	protein-coding
chr2-3239	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr2	32391801	32400085	+	0	NA	intron (N	intron (N	38915	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-3243	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr2	32438894	32447722	+	0	NA	intron (N	intron (N	86280	NM_016252	57448	Hs.150107	NM_016252	ENSG00000	BIRC6	APOLLON|B	baculovir	protein-coding
chr2-3947	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr2	39475001	39475515	+	0	NA	intron (N	L1MEi|LIN	37842	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-4781	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr2	47815391	47815976	+	0	NA	intron (N	intron (N	31728	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTMB	mutS homo	protein-coding
chr2-2017	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MB7|LIN	-23443	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|M	membrane	protein-coding
chr21-316	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr21	31685387	31688455	+	0	NA	intron (N	MER1B|DNA	27299	NM_000454	6647	Hs.443914	NM_000454	ENSG00000	SOD1	ALS|ALS1|	superoxid	protein-coding
chr21-392	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr21	39223579	39224774	+	0	NA	intron (N	intron (N	-40662	NM_203433	8624	Hs.473838	NM_003720	ENSG00000	PSMG1	C21LRP|DS	proteasom	protein-coding
chr3-4804	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr3	48048542	48051270	+	0	NA	intron (N	AluSx3|SI	38942	NM_002375	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr3-1701	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	L1ME4a|LI	66384	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr3-1899	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr3	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	133429	NR_030642	1E+08		NR_030642	ENSG00000	MIR944	MIRN944|h	microRNA	ncRNA
chr4-5589	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr4	55899939	55900934	+	0	NA	intron (N	intron (N	46786	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr4-7079	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr4	70792719	70797296	+	0	NA	intron (N	intron (N	44496	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr5-3605	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr5	360571	366251	+	0	NA	intron (N	LTR78|LTR	59235	NM_020731	57491	Hs.50823	NM_020731	ENSG00000	AHRR	AHH|AHHR|	aryl-hydr	protein-coding
chr6-1361	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr6	13616840	13624911	+	0	NA	TTS (NM_0	TTS (NM_0	5540	NM_016167	51406	Hs.306242	NM_016167	ENSG00000	NOL7	C6orf90|F	nucleolar	protein-coding
chr6-5651	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr6	56514723	56515565	+	0	NA	intron (N	intron (N	-121016	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr6-1113	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	104407	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-7353	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr7	73538623	73541334	+	0	NA	exon (NM_	exon (NM_	17258	NR_036682	9275	Hs.647051	NM_001707	ENSG00000	BCL7B	-	BAF chrom	protein-coding
chr7-1079	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	L2c|LINE|	15847	NM_000108	1738	Hs.131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr8-1022	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	15192	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-1104	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-73896	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1114	8.649236	-0.0347	0.788114	-0.04403	0.964884	0.981636	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	AluJb|SIN	67912	NM_001364	23392	Hs.368255	NM_001080	ENSG00000	ECPAS	ECM29|KIA	Ecm29 pro	protein-coding
chr17-634	8.211353	-0.03569	0.814734	-0.0438	0.965063	0.981636	chr17	63418054	63418669	+	0	NA	exon (NM_	exon (NM_	21906	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-1301	8.211353	-0.03569	0.814734	-0.0438	0.965063	0.981636	chr2	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	14503	NR_033232	55627	Hs.516450	NM_017751	ENSG00000	SMPD4	NET13|NSM	sphingomy	protein-coding
chr1-9171	7.371159	0.06295	1.437577	0.043789	0.965072	0.981636	chr1	91712230	91712501	+	0	NA	exon (NM_	exon (NM_	173786	NR_036634	7049	Hs.482390	NM_003243	ENSG00000	TGFBR3	BGCAN|bet	transform	protein-coding
chr3-5217	4.915492	0.045552	1.041718	0.043728	0.965122	0.981636	chr3	5217064	5218198	+	0	NA	3' UTR (N	3' UTR (N	29924	NM_014674	9695	Hs.224616	NM_014674	ENSG00000	EDEM1	EDEM	ER degrad	protein-coding
chr5-1400	4.915492	0.045552	1.041718	0.043728	0.965122	0.981636	chr5	14000163	14001811	+	0	NA	Intergeni	L1PA16|LI	-56507	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr11-349	9.893847	0.033457	0.767167	0.043611	0.965215	0.981636	chr11	34932607	34932870	+	0	NA	intron (N	L1MC5a|LI	-9099	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr1-2381	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr1	23818623	23820386	+	0	NA	intron (N	AluSx1|SI	5925	NM_000191	3155	Hs.533444	NM_000191	ENSG00000	HMGCL	HL	3-hydroxy	protein-coding
chr10-350	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr10	35046650	35049264	+	0	NA	intron (N	intron (N	26326	NM_001198	8453	Hs.82919	NM_003591	ENSG00000	CUL2	-	cullin 2	protein-coding
chr12-459	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr12	45986910	45987360	+	0	NA	intron (N	FLAM_C|SI	3439	NM_004719	9169	Hs.210367	NM_004719	ENSG00000	SCAF11	CASP11|SF	SR-relate	protein-coding
chr12-117	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr12	1.17E+08	1.17E+08	+	0	NA	intron (N	L1MC5|LIN	9055	NM_015002	23014	Hs.740376	NM_015002	ENSG00000	FBXO21	FBX21	F-box pro	protein-coding
chr14-888	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr14	88859039	88861447	+	0	NA	intron (N	intron (N	35592	NM_001366	123016	Hs.303055	NM_144596	ENSG00000	TTC8	BBS8|RP51	tetratric	protein-coding
chr16-119	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr16	11907980	11908517	+	0	NA	intron (N	AluSz|SIN	7708	NM_002094	2935	Hs.528780	NM_002094	ENSG00000	GSPT1	551G9.2|E	G1 to S p	protein-coding
chr2-2705	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr2	27057183	27057703	+	0	NA	intron (N	intron (N	5775	NR_104246	60509	Hs.138207	NM_021831	ENSG00000	AGBL5	CCP5|RP75	ATP/GTP b	protein-coding
chr2-7014	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr2	70149288	70150860	+	0	NA	non-codin	non-codin	-24758	NR_024444	1E+08	Hs.135528	NR_024444	ENSG00000	LINC01816	-	long inte	ncRNA
chr3-1362	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	Charlie4a	10609	NM_000532	5096	Hs.63788	NM_000532	ENSG00000	PCCB	-	propionyl	protein-coding
chr4-7315	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr4	73155890	73156862	+	0	NA	intron (N	AluJo|SIN	66681	NM_001286	26057	Hs.601206	NM_015574	ENSG00000	ANKRD17	GTAR|MASK	ankyrin r	protein-coding
chr4-1076	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr4	1.08E+08	1.08E+08	+	0	NA	intron (N	L2c|LINE|	67590	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3'-phosph	protein-coding
chr6-3155	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr6	31557869	31558874	+	0	NA	exon (NM_	exon (NM_	10763	NM_001144	4795	Hs.2764	NM_005007	ENSG00000	NFKBIL1	IKBL|NFKB	NFKB inhi	protein-coding
chr7-1589	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	-65000	NR_024394	154822	Hs.544783	NM_198345	ENSG00000	LINC00689	-	long inte	ncRNA
chr8-1197	6.401556	0.039585	0.908688	0.043563	0.965253	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	37098	NM_003184	6873	Hs.122752	NM_003184	ENSG00000	TAF2	CIF150|MH	TATA-box	protein-coding
chr1-4669	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr1	46695261	46696583	+	0	NA	intron (N	AluJb|SIN	21886	NR_038828	1E+08	Hs.568643	NR_038827	ENSG00000	EFCAB14-A	KIAA0494-	EFCAB14 a	ncRNA
chr1-6664	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr1	66642921	66651180	+	0	NA	intron (N	MLT1J|LTR	18610	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-6695	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr1	66957757	66961724	+	0	NA	exon (NM_	exon (NM_	29484	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr11-653	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr11	65319708	65323079	+	0	NA	exon (NM_	exon (NM_	6527	NM_006779	10435	Hs.343380	NM_006779	ENSG00000	CDC42EP2	BORG1|CEP	CDC42 eff	protein-coding
chr12-112	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	59177	NM_080601	5781	Hs.506852	NM_002834	ENSG00000	PTPN11	BPTP3|CFC	protein t	protein-coding
chr13-793	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr13	79368092	79368972	+	0	NA	intron (N	intron (N	37689	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr14-775	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr14	77511416	77512492	+	0	NA	3' UTR (N	3' UTR (N	-13138	NM_199296	145501	Hs.29742	NM_182509	ENSG00000	ISM2	TAIL1|THS	isthmin 2	protein-coding
chr16-208	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr16	20895699	20897397	+	0	NA	intron (N	intron (N	-3334	NM_020424	57149	Hs.745012	NM_020424	ENSG00000	LYRM1	A211C6.1	LYR motif	protein-coding
chr16-273	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr16	27358393	27361885	+	0	NA	intron (N	AluSp|SIN	-42035	NM_181079	50615	Hs.210546	NM_021798	ENSG00000	IL21R	CD360|IMD	interleuk	protein-coding
chr17-295	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr17	29517547	29526025	+	0	NA	intron (N	AluY|SINE	45251	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr19-846	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr19	8466963	8475496	+	0	NA	intron (N	intron (N	26254	NM_031203	4670	Hs.465808	NM_005968	ENSG00000	HNRNPM	CEAR|HNRN	heterogen	protein-coding
chr19-344	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr19	34434425	34436175	+	0	NA	intron (N	AluSx1|SI	6919	NM_005499	10054	Hs.631580	NM_005499	ENSG00000	UBA2	ARX|HRIHF	ubiquitin	protein-coding
chr2-2879	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr2	28791180	28796518	+	0	NA	intron (N	intron (N	-16985	NM_182756	245711	Hs.511956	NM_182756	ENSG00000	SPDYA	RINGO3|RI	speedy/RI	protein-coding
chr2-1710	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	L2c|LINE|	22233	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr2-1865	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	TTS (NM_0	TTS (NM_0	23121	NM_018471	55854	Hs.741180	NM_018471	ENSG00000	ZC3H15	HT010|LEF	zinc fing	protein-coding
chr20-106	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr20	10650503	10653543	+	0	NA	intron (N	intron (N	-2328	NR_106930	1.02E+08		NR_106930	ENSG00000	MIR6870	hsa-mir-6	microRNA	ncRNA
chr20-489	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr20	48968996	48972270	+	0	NA	intron (N	AluSq2|SI	48922	NM_006420	10564	Hs.62578	NM_006420	ENSG00000	ARFGEF2	BIG2|PVNH	ADP ribos	protein-coding
chr22-287	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr22	28784692	28787261	+	0	NA	intron (N	intron (N	12839	NM_001284	150275	Hs.406460	NM_173510	ENSG00000	CCDC117	dJ366L4.1	coiled-co	protein-coding
chr3-1007	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr3	1.01E+08	1.01E+08	+	0	NA	intron (N	L1MC5a|LI	30203	NM_001195	10342	Hs.518123	NM_006070	ENSG00000	TFG	HMSNP|SPG	trafficki	protein-coding
chr3-1324	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	63181	NM_001329	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr5-5525	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr5	55258336	55260279	+	0	NA	intron (N	intron (N	-25590	NR_125347	10309	Hs.3041	NM_021147	ENSG00000	CCNO	CCNU|CILD	cyclin O	protein-coding
chr6-4243	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr6	42433677	42435475	+	0	NA	intron (N	L1MEg|LIN	17475	NM_001297	55809	Hs.485392	NM_018415	ENSG00000	TRERF1	BCAR2|HSA	transcrip	protein-coding
chr7-2480	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr7	24803255	24804482	+	0	NA	intron (N	intron (N	-45929	NM_001127	1687	Hs.520708	NM_004403	ENSG00000	GSDME	DFNA5|ICE	gasdermin	protein-coding
chr7-5605	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr7	56053363	56061656	+	0	NA	intron (N	intron (N	2144	NR_145724	1.1E+08		NR_145724	ENSG00000	SNORA22B	-	small nuc	snoRNA
chr7-9902	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr7	99028073	99038817	+	0	NA	intron (N	AluSz6|SI	20280	NR_110102	1.02E+08	Hs.636663	NR_110102		LOC101927	-	uncharact	ncRNA
chr8-3784	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr8	37844277	37848412	+	0	NA	intron (N	AluSz6|SI	3517	NM_018310	55290	Hs.709301	NM_018310	ENSG00000	BRF2	BRFU|TFII	BRF2 RNA	protein-coding
chr9-1300	9.136116	-0.03342	0.767966	-0.04351	0.965292	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx1|SI	4688	NM_020960	57720	Hs.512461	NM_020960	ENSG00000	GPR107	GCDRP|LUS	G protein	protein-coding
chr14-203	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr14	20346419	20346943	+	0	NA	intron (N	intron (N	3067	NM_001042	10038	Hs.409412	NM_005484	ENSG00000	PARP2	ADPRT2|AD	poly(ADP-	protein-coding
chr15-801	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr15	80180799	80181438	+	0	NA	exon (NM_	exon (NM_	28119	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr19-114	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr19	1149283	1150199	+	0	NA	intron (N	intron (N	-17520	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr19-425	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr19	4252880	4254826	+	0	NA	intron (N	AluSz|SIN	6773	NM_018074	55702	Hs.21811	NM_018074	ENSG00000	YJU2	CCDC94	YJU2 spli	protein-coding
chr2-1301	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr2	1.3E+08	1.3E+08	+	0	NA	intron (N	AluJr|SIN	11669	NR_033232	55627	Hs.516450	NM_017751	ENSG00000	SMPD4	NET13|NSM	sphingomy	protein-coding
chr2-1327	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-117383	NM_001077	116372	Hs.432395	NM_144586	ENSG00000	LYPD1	LYPDC1|PH	LY6/PLAUR	protein-coding
chr3-7360	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr3	73607727	73608391	+	0	NA	intron (N	intron (N	-15509	NR_046681	1.02E+08	Hs.733334	NR_046681		PDZRN3-AS	-	PDZRN3 ar	ncRNA
chr9-1377	6.929576	0.038242	0.883598	0.043279	0.965479	0.981636	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L1MB3|LIN	54427	NR_147508	651337	Hs.603195	NR_147508	ENSG00000	LOC651337	-	uncharact	ncRNA
chr12-570	9.414825	0.034253	0.791728	0.043263	0.965492	0.981636	chr12	57092961	57093160	+	0	NA	intron (N	intron (N	3946	NM_001330	4665	Hs.159223	NM_005967	ENSG00000	NAB2	MADER	NGFI-A bi	protein-coding
chr1-1935	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr1	19350117	19351261	+	0	NA	intron (N	AluJb|SIN	38363	NM_001040	54896	Hs.647620	NM_017765	ENSG00000	SLC66A1	LAAT-1|LA	solute ca	protein-coding
chr11-636	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr11	63646129	63647338	+	0	NA	intron (N	L2a|LINE|	24643	NM_015459	25923	Hs.356719	NM_015459	ENSG00000	ATL3	HSN1F	atlastin	protein-coding
chr12-123	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	L1MC4|LIN	41295	NR_103517	10198	Hs.577404	NM_022782	ENSG00000	MPHOSPH9	MPP-9|MPP	M-phase p	protein-coding
chr13-113	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	MLT1A0|LT	-8723	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr16-718	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr16	71879063	71881421	+	0	NA	intron (N	intron (N	234	NM_001318	55565	Hs.744055	NM_017530	ENSG00000	ZNF821	-	zinc fing	protein-coding
chr19-331	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr19	33118694	33119197	+	0	NA	intron (N	intron (N	-13169	NM_173479	126248	Hs.211046	NM_173479	ENSG00000	WDR88	PQWD	WD repeat	protein-coding
chr22-416	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr22	41600417	41603515	+	0	NA	intron (N	AluSg|SIN	-12126	NM_002676	5372	Hs.75835	NM_002676	ENSG00000	PMM1	PMM 1|PMM	phosphoma	protein-coding
chr4-5187	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr4	51871513	51873323	+	0	NA	intron (N	L2|LINE|L	28839	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr4-1846	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr4	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	-12116	NR_131967	1.05E+08	Hs.338354	NR_131965	ENSG00000	LINC02365	LVCAT8	long inte	ncRNA
chr5-1548	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr5	1.55E+08	1.55E+08	+	0	NA	3' UTR (N	3' UTR (N	-13962	NR_039667	1.01E+08		NR_039667	ENSG00000	MIR378H	-	microRNA	ncRNA
chr6-1437	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chr6	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	76736	NM_001100	9749	Hs.102471	NM_014721	ENSG00000	PHACTR2	C6orf56	phosphata	protein-coding
chrX-1537	7.408598	0.036902	0.853445	0.043239	0.965511	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	4048	NM_001139	10134	Hs.522817	NM_005745	ENSG00000	BCAP31	6C6-AG|BA	B cell re	protein-coding
chr1-6700	6.450554	0.03976	0.920174	0.043209	0.965535	0.981636	chr1	67008888	67010301	+	0	NA	intron (N	L1PA16|LI	44554	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-1501	8.698234	-0.03429	0.793994	-0.04319	0.96555	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	AluSz|SIN	-35182	NM_001304	51177	Hs.438824	NM_016274	ENSG00000	PLEKHO1	CKIP-1|CK	pleckstri	protein-coding
chr15-943	8.698234	-0.03429	0.793994	-0.04319	0.96555	0.981636	chr15	94318625	94320907	+	0	NA	intron (N	Tigger19a	21565	NM_001159	55784	Hs.33368	NM_018349	ENSG00000	MCTP2	-	multiple	protein-coding
chr17-625	8.698234	-0.03429	0.793994	-0.04319	0.96555	0.981636	chr17	62596245	62598188	+	0	NA	intron (N	L1MB8|LIN	-30454	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr1-2562	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr1	25625137	25625779	+	0	NA	intron (N	L1ME2|LIN	7990	NM_001289	57134	Hs.197043	NM_020379	ENSG00000	MAN1C1	HMIC|MAN1	mannosida	protein-coding
chr1-2271	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr1	2.27E+08	2.27E+08	+	0	NA	intron (N	L2a|LINE|	179423	NM_001366	8476	Hs.35433	NM_003607	ENSG00000	CDC42BPA	MRCK|MRCK	CDC42 bin	protein-coding
chr12-520	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr12	52077975	52078281	+	0	NA	TTS (NM_0	TTS (NM_0	-1576	NM_001369	1.14E+08	Hs.524431	NM_001369216		SMIM41	-	small int	protein-coding
chr13-110	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr13	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	14378	NM_017664	55608	Hs.525163	NM_017664	ENSG00000	ANKRD10	-	ankyrin r	protein-coding
chr14-313	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr14	31328664	31330334	+	0	NA	intron (N	THE1C-int	91051	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr15-636	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr15	63663512	63664608	+	0	NA	intron (N	intron (N	-63233	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr16-563	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr16	56391161	56391752	+	0	NA	intron (N	L1PA5|LIN	33533	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr19-406	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr19	40684369	40687201	+	0	NA	intron (N	intron (N	4379	NM_001289	9253	Hs.326953	NM_004756	ENSG00000	NUMBL	CAG3A|CTG	NUMB like	protein-coding
chr19-467	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr19	46751176	46751375	+	0	NA	intron (N	AluJb|SIN	-4825	NM_001039	29888	Hs.631590	NM_013403	ENSG00000	STRN4	PPP2R6C|Z	striatin	protein-coding
chr2-2416	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr2	2.42E+08	2.42E+08	+	0	NA	intron (N	AluY|SINE	16824	NM_001164	51078	Hs.435759	NM_015963	ENSG00000	THAP4	CGI-36|NE	THAP doma	protein-coding
chr7-4000	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr7	40003724	40003937	+	0	NA	intron (N	(ACAC)n|S	53470	NM_031267	8621	Hs.233552	NM_003718	ENSG00000	CDK13	CDC2L|CDC	cyclin de	protein-coding
chr9-1000	7.887621	0.035697	0.828267	0.043098	0.965623	0.981636	chr9	1E+08	1E+08	+	0	NA	intron (N	L1M3e|LIN	95810	NM_015051	23071	Hs.154023	NM_015051	ENSG00000	ERP44	PDIA10|TX	endoplasm	protein-coding
chr10-300	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr10	30053176	30054023	+	0	NA	intron (N	L1ME4a|LI	5987	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr10-103	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	14172	NM_024928	79991	Hs.62314	NM_024928	ENSG00000	STN1	AAF-44|AA	STN1 subu	protein-coding

chr12-480	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr12	48062645	48063595	+	0	NA	intron (N	intron (N	-42133	NM_001354	5213	Hs.75160	NM_000289	ENSG00000	PFKM	ATP-PFK|	phosphofr	protein-coding
chr12-589	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr12	58907016	58908593	+	0	NA	intron (N	intron (N	11742	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr17-590	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr17	59040608	59041934	+	0	NA	intron (N	MIRc|SINE	65609	NR_148347	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr3-1295	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr3	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	8149	NM_001308	132243	Hs.97358	NM_153833	ENSG00000	H1FOO	H1.8|H1oc	H1 histon	protein-coding
chr5-7220	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr5	72206039	72207169	+	0	NA	3’ UTR (N	3’ UTR (N	26817	NM_001324	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr8-8992	6.880579	0.037984	0.882908	0.043021	0.965685	0.981636	chr8	89925002	89925340	+	0	NA	exon (NM_	exon (NM_	22601	NM_001126	734	Hs.436445	NM_004337	ENSG00000	OSGIN2	C8orf1|hT	oxidative	protein-coding
chr10-999	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr10	99950238	99952918	+	0	NA	intron (N	THE1B-int	-20671	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr11-467	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr11	46760229	46764059	+	0	NA	TTS (NR_0	TTS (NR_0	355	NR_003056	692108	Hs.693252	NR_003056	ENSG00000	SNORD67	HBII-166	small nuc	snoRNA
chr12-588	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr12	58889323	58890584	+	0	NA	intron (N	intron (N	29593	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr17-845	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr17	8454707	8458396	+	0	NA	intron (N	AluSx|SIN	20667	NM_030808	81565	Hs.372123	NM_030808	ENSG00000	NDEL1	EOPA|MITA	nudE neur	protein-coding
chr17-193	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr17	19379822	19384182	+	0	NA	exon (NM_	exon (NM_	3504	NM_002749	5598	Hs.150136	NM_002749	ENSG00000	MAPK7	BMK1|ERK4	mitogen-a	protein-coding
chr3-1386	9.622997	-0.03229	0.75079	-0.04301	0.965694	0.981636	chr3	1.39E+08	1.39E+08	+	0	NA	Intergeni	L1M2b|LIN	40481	NM_018147	55179	Hs.173438	NM_018147	ENSG00000	FAIM	FAIM1	Fas apopt	protein-coding
chr9-3386	3.965305	0.048727	1.135534	0.042911	0.965773	0.981636	chr9	33866347	33867243	+	0	NA	intron (N	L1ME3A|LI	49635	NM_017811	54926	Hs.643648	NM_017811	ENSG00000	UBE2R2	CDC34B|E2	ubiquitin	protein-coding
chr17-815	9.087119	-0.03387	0.789817	-0.04288	0.965794	0.981636	chr17	81575565	81575957	+	0	NA	intron (N	intron (N	1672	NR_130139	55666	Hs.464333	NM_017921	ENSG00000	NPLOC4	NPL4	NPL4 homo	protein-coding
chr15-519	8.366643	0.034593	0.80706	0.042863	0.965811	0.981636	chr15	51959118	51961472	+	0	NA	intron (N	intron (N	11483	NM_001323	123169	Hs.567662	NM_138792	ENSG00000	LEO1	RDL	LEO1 homo	protein-coding
chr5-7964	8.366643	0.034593	0.80706	0.042863	0.965811	0.981636	chr5	79648835	79650097	+	0	NA	intron (N	intron (N	37025	NM_001349	167153	Hs.418198	NM_173797	ENSG00000	TENT2	APD4|GLD2	terminal	protein-coding
chr19-481	5.394514	0.04301	1.006124	0.042748	0.965902	0.981636	chr19	4819454	4820237	+	0	NA	intron (N	AluSq2|SI	11897	NM_182919	148022	Hs.29344	NM_014261	ENSG00000	TICAM1	IIAE6|MyD	toll like	protein-coding
chr20-444	7.229735	-0.03707	0.868718	-0.04268	0.965959	0.981636	chr20	44498139	44498720	+	0	NA	3’ UTR (N	3’ UTR (N	22555	NM_001261	79183	Hs.283869	NM_024331	ENSG00000	TTPAL	C20orf121	alpha toc	protein-coding
chr20-587	9.185114	-0.03308	0.776428	-0.0426	0.966018	0.981636	chr20	58702872	58704356	+	0	NA	intron (N	intron (N	10814	NM_024663	79716	Hs.654868	NM_024663	ENSG00000	NPEPL1	bA261P9.2	aminopept	protein-coding
chr6-1549	9.185114	-0.03308	0.776428	-0.0426	0.966018	0.981636	chr6	15496540	15497232	+	0	NA	exon (NM_	exon (NM_	166142	NR_036448	84062	Hs.571148	NM_032122	ENSG00000	DTNBP1	BLOC1S8|D	dystrobre	protein-coding
chr7-1290	9.185114	-0.03308	0.776428	-0.0426	0.966018	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	40334	NR_034053	23534	Hs.193613	NM_012470	ENSG00000	TNPO3	IPO12|LGM	transport	protein-coding
chr1-3265	8.845665	0.033569	0.789096	0.042541	0.966068	0.981636	chr1	32653781	32654964	+	0	NA	intron (N	AluJb|SIN	3014	NM_001135	5928	Hs.16003	NM_005610	ENSG00000	RBBP4	NURF55|RB	RB bindin	protein-coding
chr1-2379	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr1	23794259	23795083	+	0	NA	TTS (NM_0	TTS (NM_0	3526	NM_007260	11313	Hs.533479	NM_007260	ENSG00000	LYPLA2	APT-2|APT	lysophosp	protein-coding
chr1-2776	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr1	27760367	27760738	+	0	NA	exon (NM_	exon (NM_	-12667	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr10-983	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr10	98386711	98387261	+	0	NA	intron (N	intron (N	8321	NR_031619	1E+08		NR_031619	ENSG00000	MIR1287	MIRN1287|	microRNA	ncRNA
chr17-401	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr17	40144273	40145357	+	0	NA	intron (N	AluJo|SIN	4278	NM_007359	22794	Hs.743287	NM_007359	ENSG00000	CASC3	BTZ|MLN51	CASC3 exo	protein-coding
chr20-344	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr20	34409262	34410514	+	0	NA	intron (N	FAM|SINE|	46615	NM_001324	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr7-1385	7.716615	-0.03547	0.837309	-0.04237	0.966206	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	66709	NM_015905	8805	Hs.490287	NM_003852	ENSG00000	TRIM24	PTC6|RNF8	tripartit	protein-coding
chr17-553	4.444327	0.045433	1.076187	0.042217	0.966326	0.981636	chr17	5537393	5538079	+	0	NA	intron (N	intron (N	-36730	NM_001162	728392	Hs.104305	NM_001162	ENSG00000	LOC728392	-	uncharact	protein-coding
chr7-5481	4.444327	0.045433	1.076187	0.042217	0.966326	0.981636	chr7	5481812	5482263	+	0	NA	intron (N	intron (N	13880	NR_030318	693174		NR_030318	ENSG00000	MIR589	MIRN589|h	microRNA	ncRNA
chr5-1461	10.59676	-0.03048	0.723532	-0.04212	0.966402	0.981636	chr5	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSc|SIN	14856	NM_020117	51520	Hs.432674	NM_016460	ENSG00000	LARS	HSPC192|I	leucyl-tR	protein-coding
chr1-5866	7.667618	-0.03575	0.849885	-0.04207	0.966447	0.981636	chr1	58665413	58665987	+	0	NA	intron (N	intron (N	34362	NM_001085	114803	Hs.744921	NM_001085	ENSG00000	MYSM1	2A-DUB|2A	Myb like,	protein-coding
chr16-188	8.154498	-0.03436	0.818794	-0.04196	0.966528	0.981636	chr16	18875366	18876402	+	0	NA	intron (N	intron (N	50520	NM_015092	23049	Hs.460179	NM_015092	ENSG00000	SMG1	61E3.4|AT	SMG1 nons	protein-coding
chr16-533	8.154498	-0.03436	0.818794	-0.04196	0.966528	0.981636	chr16	53308857	53309717	+	0	NA	intron (N	L3|LINE|C	61925	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr17-312	8.154498	-0.03436	0.818794	-0.04196	0.966528	0.981636	chr17	31265526	31266611	+	0	NA	intron (N	MIRb|SINE	31171	NM_002544	4974	Hs.113874	NM_002544	ENSG00000	OMG	OMGP	oligodend	protein-coding
chr7-1513	8.154498	-0.03436	0.818794	-0.04196	0.966528	0.981636	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	MER21C|LT	4997	NM_001363	51667	Hs.647082	NM_016118	ENSG00000	NUB1	BS4|NUB1L	negative	protein-coding
chr1-3645	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr1	36455846	36456842	+	0	NA	exon (NM_	exon (NM_	-5859	NM_001330	127700	Hs.202207	NM_145047	ENSG00000	OSCP1	C1orf102|	organic s	protein-coding
chr1-5508	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr1	55088305	55089974	+	0	NA	intron (N	AluSc|SIN	48917	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-2352	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluJb|SIN	-43325	NR_039908	1.01E+08		NR_039908	ENSG00000	MIR4753	mir-4753	microRNA	ncRNA
chr10-997	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr10	99714326	99717216	+	0	NA	intron (N	L1ME3G|LI	-16463	NM_015960	51076	Hs.16606	NM_015960	ENSG00000	CUTC	CGI-32	cutC copp	protein-coding
chr14-729	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr14	72956226	72956546	+	0	NA	non-codin	non-codin	29922	NM_001352	26094	Hs.331491	NM_015604	ENSG00000	DCAF4	WDR21|WDR	DDB1 and	protein-coding
chr17-774	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr17	77495846	77496689	+	0	NA	intron (N	AluSq|SIN	21024	NM_001113	10801	Hs.440932	NM_006640	ENSG00000	SEPTIN9	AF17q25|M	septin 9	protein-coding
chr2-2057	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr2	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	45900	NM_018534	8828	Hs.471200	NM_003872	ENSG00000	NRP2	NP2|NPN2|	neuropili	protein-coding
chr5-7748	8.203495	-0.03401	0.811094	-0.04193	0.966556	0.981636	chr5	77484645	77485709	+	0	NA	intron (N	ERV3-16A3	7139	NM_018268	55255	Hs.482573	NM_018268	ENSG00000	WDR41	MSTP048	WD repeat	protein-coding
chr1-2647	7.838623	0.035219	0.843066	0.041775	0.966678	0.981636	chr1	26477509	26477835	+	0	NA	Intergeni	Intergeni	5232	NM_005517	3151	Hs.181163	NM_005517	ENSG00000	HMGN2	HMG17	high mobi	protein-coding
chr13-480	7.838623	0.035219	0.843066	0.041775	0.966678	0.981636	chr13	48084074	48084273	+	0	NA	intron (N	AluSz|SIN	7036	NR_046511	1.01E+08	Hs.616241	NR_046511	ENSG00000	MED4-AS1	MED4-AS	MED4 anti	ncRNA
chr17-281	5.873536	0.040808	0.977057	0.041766	0.966685	0.981636	chr17	28142371	28143749	+	0	NA	intron (N	AluSc8|SI	-83503	NR_003064	23615	Hs.157195	NM_021093	ENSG00000	PYY2	-	peptide Y	pseudo
chr12-122	8.641378	-0.03307	0.792744	-0.04171	0.966729	0.981636	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx1|SI	-43234	NR_045382	1.01E+08	Hs.624253	NR_045382		CLIP1-AS1	-	CLIP1 ant	ncRNA
chr15-670	8.641378	-0.03307	0.792744	-0.04171	0.966729	0.981636	chr15	67069779	67072955	+	0	NA	intron (N	intron (N	5765	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr17-356	8.641378	-0.03307	0.792744	-0.04171	0.966729	0.981636	chr17	35670761	35675127	+	0	NA	intron (N	intron (N	-58695	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr4-9836	8.641378	-0.03307	0.792744	-0.04171	0.966729	0.981636	chr4	98366176	98367544	+	0	NA	intron (N	THE1B-int	105476	NM_021159	5910	Hs.132858	NM_021159	ENSG00000	RAP1GDS1	GDS1|SmgG	Rap1 GTPa	protein-coding
chr5-9594	8.641378	-0.03307	0.792744	-0.04171	0.966729	0.981636	chr5	95944815	95946679	+	0	NA	intron (N	intron (N	16104	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr5-4304	7.936618	0.035544	0.853706	0.041634	0.96679	0.981636	chr5	430421	431505	+	0	NA	intron (N	intron (N	12197	NR_126522	116349	Hs.446702	NM_138464	ENSG00000	EXOC3-AS1	C5orf55	EXOC3 ant	ncRNA
chr10-749	4.92335	0.042745	1.029312	0.041527	0.966875	0.981636	chr10	74977701	74978467	+	0	NA	intron (N	intron (N	-43649	NR_145812	1.1E+08		NR_145812		SNORD172	-	small nuc	snoRNA
chr15-225	4.92335	0.042745	1.029312	0.041527	0.966875	0.981636	chr15	22543131	22543855	+	0	NA	intron (N	intron (N	48615	NM_004667	8924	Hs.434890	NM_004667	ENSG00000	HERC2	D15F37S1|	HECT and	protein-coding
chr2-1200	4.92335	0.042745	1.029312	0.041527	0.966875	0.981636	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	Charlie21	79606	NM_001330	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr9-1326	4.92335	0.042745	1.029312	0.041527	0.966875	0.981636	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	28613	NM_020064	56751	Hs.283809	NM_020064	ENSG00000	BARHL1	-	BarH like	protein-coding
chr9-1360	4.92335	0.042745	1.029312	0.041527	0.966875	0.981636	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	AluSx1|SI	57624	NM_144653	138151	Hs.112895	NM_144653	ENSG00000	NACC2	BEND9|BTB	NACC fami	protein-coding
chr10-693	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr10	69399869	69400574	+	0	NA	intron (N	AluJb|SIN	16697	NM_001057	6865	Hs.88372	NM_001057	ENSG00000	TACR2	NK2R|NKNA	tachykini	protein-coding
chr10-703	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr10	70339064	70339838	+	0	NA	intron (N	intron (N	37328	NM_001278	55222	Hs.7778	NM_018205	ENSG00000	LRRC20	-	leucine r	protein-coding
chr14-313	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr14	31319808	31320541	+	0	NA	intron (N	intron (N	100376	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr17-756	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr17	75657118	75657966	+	0	NA	intron (N	AluJo|SIN	-9574	NM_001301	29115	Hs.655088	NM_013260	ENSG00000	SAP30BP	HCNGP|HTF	SAP30 bin	protein-coding
chr19-251	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr19	25119385	25120006	+	0	NA	Intergeni	ALR/Alpha	-956248	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-179	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr20	17975911	17977127	+	0	NA	intron (N	intron (N	7501	NM_001310	92667	Hs.320823	NM_052865	ENSG00000	MGME1	C20orf72|	mitochond	protein-coding
chr4-2541	5.451369	0.040862	0.984802	0.041493	0.966903	0.981636	chr4	25413410	25414566	+	0	NA	intron (N	intron (N	36725	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr10-102	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	-17675	NM_001288	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr11-128	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr11	12886085	12886506	+	0	NA	intron (N	intron (N	103253	NR_038904	1.01E+08	Hs.153408	NR_038904	ENSG00000	LINC00958	BLACAT2	long inte	ncRNA
chr11-625	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr11	62587594	62589043	+	0	NA	intron (N	AluSx|SIN	3205	NM_001367	64852	Hs.728983	NM_022830	ENSG00000	TUT1	PAPD2|RBM	terminal	protein-coding
chr17-666	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr17	66696725	66697698	+	0	NA	intron (N	L4_C_Mam|	-89861	NR_030364	693219		NR_030364	ENSG00000	MIR634	MIRN634|h	microRNA	ncRNA
chr17-771	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr17	77191541	77193233	+	0	NA	intron (N	L2c|LINE|	7174	NM_001144	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr19-142	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr19	1426429	1426713	+	0	NA	intron (N	intron (N	-11793	NM_001018	6209	Hs.406683	NM_001018	ENSG00000	RPS15	RIG|S15	ribosomal	protein-coding
chr19-442	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr19	44217173	44221862	+	0	NA	intron (N	intron (N	6985	NM_182490	7770	Hs.298089	NM_182490	ENSG00000	ZNF227	-	zinc fing	protein-coding
chr2-1687	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr2	1687378	1690466	+	0	NA	intron (N	intron (N	55593	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COR	peroxidas	protein-coding
chr2-1078	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr2	10787100	10794350	+	0	NA	exon (NM_	exon (NM_	22060	NM_005742	10130	Hs.212102	NM_005742	ENSG00000	PDIA6	ERP5|P5|T	protein d	protein-coding
chr2-3194	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr2	31942542	31943084	+	0	NA	intron (N	AluJb|SIN	67851	NR_126032	51072	Hs.444969	NM_015955	ENSG00000	MEMO1	C2orf4|CG	mediator	protein-coding
chr2-6913	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr2	69130288	69130867	+	0	NA	intron (N	intron (N	26895	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr5-2461	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr5	246104	250554	+	0	NA	intron (N	HERVK9-in	23195	NR_104613	1.02E+08	Hs.368328	NR_104613		HRAT5	-	heart tis	ncRNA
chr5-3616	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr5	36166575	36168797	+	0	NA	intron (N	AluSx3|SI	15575	NM_032637	6502	Hs.23348	NM_005983	ENSG00000	SKP2	FBL1|FBXL	S-phase k	protein-coding
chr7-5606	8.690376	-0.03269	0.789007	-0.04143	0.966951	0.981636	chr7	56068866	56070784	+	0	NA	intron (N	AluJb|SIN	5539	NM_001366	25870	Hs.279696	NM_015411	ENSG00000	SUMF2	pFGE	sulfatase	protein-coding
chr13-496	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr13	49699754	49702828	+	0	NA	3’ UTR (N	3’ UTR (N	-9804	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr17-356	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr17	35681659	35683894	+	0	NA	exon (NM_	exon (NM_	-48863	NM_033315	91608	Hs.744994	NM_033315	ENSG00000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr2-6134	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr2	61346216	61348192	+	0	NA	intron (N	MER33|DNA	70173	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr2-1126	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr2	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	13528	NM_005415	6574	Hs.187946	NM_005415	ENSG00000	SLC20A1	GLVR1|Glv	solute ca	protein-coding
chr5-1445	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr5	14450194	14452663	+	0	NA	intron (N	intron (N	-12555	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr6-6368	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr6	63684092	63684598	+	0	NA	exon (NM_	exon (NM_	37819	NM_015153	23469	Hs.348921	NM_015153	ENSG00000	PHF3	-	PHD finge	protein-coding
chr8-9906	9.128258	-0.03189	0.77071	-0.04138	0.966996	0.981636	chr8	99062983	99065331	+	0	NA	intron (N	L1PA6|LIN	50891	NM_017890	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr12-121	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	L1M5|LINE	-24369	NM_153499	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr15-857	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr15	85721283	85723112	+	0	NA	intron (N	intron (N	36528	NR_120366	1.02E+08	Hs.513112	NR_120366		LOC101929	-	uncharact	ncRNA
chr17-356	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr17	35653455	35654271	+	0	NA	intron (N	intron (N	66541	NM_001030	163	Hs.514819	NM_001282	ENSG00000	AP2B1	ADTB2|AP1	adaptor r	protein-coding
chr17-402	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr17	40228634	40229486	+	0	NA	intron (N	AluJb|SIN	9756	NM_133264	147179	Hs.421622	NM_133264	ENSG00000	WIPF2	WICH|WIRE	WAS/WASL	protein-coding
chr4-5761	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr4	5761654	5763336	+	0	NA	intron (N	L1PA3|LIN	51294	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-2676	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr4	26767618	26768288	+	0	NA	Intergeni	L1MEc|LIN	92291	NR_134673	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr5-1345	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	MIR|SINE|	35201	NM_015288	23338	Hs.732155	NM_015288	ENSG00000	JADE2	JADE-2|PH	jade fami	protein-coding
chr5-1383	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	L2a|LINE|	42735	NM_016604	51780	Hs.483486	NM_016604	ENSG00000	KDM3B	5qNCA|C5o	lysine de	protein-coding
chr8-1436	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	AluSc8|SI	6011	NM_001288	286075	Hs.521922	NM_173831	ENSG00000	ZNF707	-	zinc fing	protein-coding
chr9-9635	5.930392	0.039002	0.942918	0.041364	0.967006	0.981636	chr9	96355532	96357203	+	0	NA	intron (N	L1MB4|LIN	27343	NR_104627	11046	Hs.494556	NM_007001	ENSG00000	SLC35D2	HFRC1|SQV	solute ca	protein-coding
chr1-1009	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	L2a|LINE|	29698	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr12-435	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr12	4350096	4353827	+	0	NA	intron (N	L2c|LINE|	27751	NM_020638	8074	Hs.287370	NM_020638	ENSG00000	FGF23	ADHR|FGFN	fibroblas	protein-coding
chr15-737	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr15	73712376	73714602	+	0	NA	3’ UTR (N	3’ UTR (N	28719	NM_001329	80381	Hs.744915	NM_025240	ENSG00000	CD276	4Ig-B7-H3	CD276 mol	protein-coding
chr16-507	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr16	50793354	50794635	+	0	NA	intron (N	AluSg4|SI	-12678	NR_146573	1.05E+08		NR_146573	ENSG00000	LINC02168	-	long inte	ncRNA
chr16-756	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr16	75607305	75608975	+	0	NA	intron (N	L1MB7|LIN	15141	NM_012091	23536	Hs.729312	NM_012091	ENSG00000	ADAT1	HADAT1	adenosine	protein-coding
chr17-160	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr17	16094001	16095111	+	0	NA	intron (N	SVA_D|Ret	58640	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-578	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr17	57883296	57886252	+	0	NA	intron (N	L2b|LINE|	18615	NM_001292	404093	Hs.46679	NM_001271	ENSG00000	CUEDC1	-	CUE domai	protein-coding
chr17-820	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr17	82059315	82060375	+	0	NA	intron (N	intron (N	5959	NM_022156	64118	Hs.514599	NM_022156	ENSG00000	DUS1L	DUS1|PP31	dihydrour	protein-coding
chr19-166	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr19	16645700	16648406	+	0	NA	3’ UTR (N	3’ UTR (N	13091	NM_001300	79086	Hs.356467	NM_024104	ENSG00000	SMIM7	C19orf42	small int	protein-coding
chr2-1088	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr2	1.09E+08	1.09E+08	+	0	NA	intron (N	L1M3d|LIN	33342	NM_144978	165055	Hs.362702	NM_144978	ENSG00000	CCDC138	-	coiled-co	protein-coding
chr2-1124	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluY|SINE	23409	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr22-241	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr22	24112191	24113898	+	0	NA	intron (N	L1MCc|LIN	-68443	NM_019601	56241	Hs.131819	NM_019601	ENSG00000	SUSD2	BK65A6.2|	sushi dom	protein-coding
chr22-243	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr22	24375396	24376464	+	0	NA	intron (N	AluSz6|SI	33822	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr22-457	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr22	45744303	45745053	+	0	NA	intron (N	intron (N	-15846	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4762	-	microRNA	ncRNA
chr4-5169	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr4	5169072	5170909	+	0	NA	intron (N	L1ME4a|LI	118510	NM_018401	55351	Hs.130620	NM_018401	ENSG00000	STK32B	HSA250839	serine/th	protein-coding
chr5-1339	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr5	1339914	1340780	+	0	NA	intron (N	intron (N	4752	NM_030782	81037	Hs.444673	NM_030782	ENSG00000	CLPTM1L	CRR9	CLPTM1 li	protein-coding
chr5-9553	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr5	95534711	95535675	+	0	NA	intron (N	intron (N	19812	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr6-8315	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr6	83159459	83160588	+	0	NA	intron (N	intron (N	33242	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr7-8909	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr7	890984	893289	+	0	NA	intron (N	CpG	15582	NM_015949	51608	Hs.107387	NM_015949	ENSG00000	GET4	C7orf20|C	guided er	protein-coding
chr9-1100	6.409414	0.03739	0.908927	0.041136	0.967187	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA10|LI	13856	NM_001198	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr2-1784	9.615139	-0.03084	0.751947	-0.04101	0.967287	0.981636	chr2	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	13751	NM_019091	65977	Hs.41086	NM_019091	ENSG00000	PLEKHA3	FAPP1	pleckstri	protein-coding
chr3-1723	9.615139	-0.03084	0.751947	-0.04101	0.967287	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	138178	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr7-4448	9.615139	-0.03084	0.751947	-0.04101	0.967287	0.981636	chr7	44480549	44485075	+	0	NA	intron (N	L1MEf|LIN	7846	NM_015332	23386	Hs.488171	NM_015332	ENSG00000	NUDCD3	NudCL	NudC doma	protein-coding
chr9-3389	9.615139	-0.03084	0.751947	-0.04101	0.967287	0.981636	chr9	33899504	33903228	+	0	NA	intron (N	L1MC3|LIN	32998	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr9-9592	9.615139	-0.03084	0.751947	-0.04101	0.967287	0.981636	chr9	95923729	95924013	+	0	NA	intron (N	intron (N	47863	NM_001010	375748	Hs.432364	NM_020207	ENSG00000	ERCC6L2	BMFS2|C9o	ERCC exci	protein-coding
chr1-1741	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr1	17412414	17413783	+	0	NA	exon (NM_	exon (NM_	25438	NM_001136	55920	Hs.380857	NM_018718	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-1668	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr1	1.67E+08	1.67E+08	+	0	NA	exon (NM_	exon (NM_	10883	NM_017542	57645	Hs.432752	NM_017542	ENSG00000	POGK	BASS2|KRE	pogo tran	protein-coding

chr12-292	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr12	2928985	2932320	+	0	NA	intron (N	AluY|SINE	-28745	NM_003213	7004	Hs.94865	NM_003213	ENSG00000	TEAD4	EFTR-2|RT	TEA domai	protein-coding
chr15-520	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr15	52057739	52060129	+	0	NA	intron (N	intron (N	39715	NM_002748	5597	Hs.411847	NM_002748	ENSG00000	MAPK6	ERK3|HsT1	mitogen-a	protein-coding
chr19-144	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr19	14488047	14491766	+	0	NA	intron (N	intron (N	6221	NM_005716	10755	Hs.655012	NM_005716	ENSG00000	GIPC1	C19orf3|C	GIPC PDZ	protein-coding
chr19-214	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr19	21407444	21410334	+	0	NA	TTS (NM_1	TTS (NM_1	11756	NM_145326	284443	Hs.656558	NM_145326	ENSG00000	ZNF493	-	zinc fing	protein-coding
chr19-296	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr19	29611795	29612712	+	0	NA	intron (N	intron (N	5970	NR_027368	10775	Hs.412870	NM_006627	ENSG00000	POP4	RPP29	POP4 homo	protein-coding
chr19-387	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr19	38713514	38730176	+	0	NA	intron (N	intron (N	22629	NM_144691	147968	Hs.731775	NM_144691	ENSG00000	CAPN12	-	calpain 1	protein-coding
chr2-9629	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr2	96299145	96303863	+	0	NA	intron (N	intron (N	4042	NM_014014	23020	Hs.246112	NM_014014	ENSG00000	SNRNP200	ASCC3L1|E	small nuc	protein-coding
chr20-197	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr20	19799927	19803919	+	0	NA	Intergeni	Intergeni	-84598	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr20-491	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr20	49117422	49118596	+	0	NA	exon (NM_	exon (NM_	70361	NM_001322	6780	Hs.596704	NM_004602	ENSG00000	STAU1	PPP1R150|	staufen d	protein-coding
chr5-1353	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	30156	NM_138609	9555	Hs.420272	NM_004893	ENSG00000	H2AFY	H2A.y|H2A	H2A histo	protein-coding
chr6-2159	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr6	21595331	21595744	+	0	NA	exon (NM_	exon (NM_	1786	NM_003107	6659	Hs.643910	NM_003107	ENSG00000	SOX4	EVI16	SRY-box t	protein-coding
chr9-1300	9.177256	-0.03153	0.770276	-0.04093	0.967353	0.981636	chr9	1.3E+08	1.3E+08	+	0	NA	intron (N	MLT1L|LTR	24669	NM_020960	57720	Hs.512461	NM_020960	ENSG00000	GPR107	GCDRP|LUS	G protein	protein-coding
chr13-322	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr13	32230610	32232850	+	0	NA	intron (N	intron (N	80224	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr14-100	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	4485	NR_003080	692215		NR_003080	ENSG00000	SNORD112	14q(0)	small nuc	snoRNA
chr17-161	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr17	16140698	16141527	+	0	NA	intron (N	Kanga2_a|	12084	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr17-444	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr17	44472635	44473600	+	0	NA	intron (N	intron (N	30289	NM_001002	23131	Hs.463129	NM_001002	ENSG00000	GPATCH8	GPATC8|KI	G-patch d	protein-coding
chr18-462	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr18	46263005	46264303	+	0	NA	3’ UTR (N	3’ UTR (N	-70364	NM_152470	494470	Hs.501114	NM_152470	ENSG00000	RNF165	ARKL2|Ark	ring fing	protein-coding
chr18-576	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr18	57657183	57658238	+	0	NA	intron (N	intron (N	27379	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr21-463	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr21	46362896	46364964	+	0	NA	exon (NM_	exon (NM_	39263	NM_001315	5116	Hs.474069	NM_006031	ENSG00000	PCNT	KEN|MOPD2	pericentr	protein-coding
chr5-1296	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr5	1.3E+08	1.3E+08	+	0	NA	intron (N	L1PREC2|L	-120590	NM_001257	1E+08	Hs.582534	NM_001257	ENSG00000	MINAR2	KIAA1024L	membrane	protein-coding
chr7-1285	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJr4|SI	-65675	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr9-1347	6.888436	0.035961	0.880705	0.040832	0.96743	0.981636	chr9	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	49193	NR_039691	1.01E+08		NR_039691	ENSG00000	MIR3689C	-	microRNA	ncRNA
chr17-171	5.402372	0.040474	0.991571	0.040818	0.967441	0.981636	chr17	17185029	17185801	+	0	NA	3’ UTR (N	3’ UTR (N	20918	NM_178836	201164	Hs.729079	NM_178836	ENSG00000	PLD6	ZUC	phospholi	protein-coding
chr6-8979	5.402372	0.040474	0.991571	0.040818	0.967441	0.981636	chr6	89793243	89793822	+	0	NA	intron (N	AluJo|SIN	26262	NM_014611	23195	Hs.529948	NM_014611	ENSG00000	MDN1	Rea1	midasin A	protein-coding
chr6-1484	5.402372	0.040474	0.991571	0.040818	0.967441	0.981636	chr6	1.48E+08	1.48E+08	+	0	NA	intron (N	AluSx1|SI	-30534	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUF	SAM and S	protein-coding
chrX-7028	5.402372	0.040474	0.991571	0.040818	0.967441	0.981636	chrX	70286360	70288103	+	0	NA	intron (N	intron (N	2629	NM_001370	51248	Hs.11042	NM_016484	ENSG00000	PDZD11	AIPP1|PDZ	PDZ domai	protein-coding
chr3-1809	7.895479	0.033779	0.834192	0.040493	0.9677	0.981636	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	(T)n|Simp	18497	NM_001190	131118	Hs.230601	NM_145261	ENSG00000	DNAJC19	PAM18|TIM	DnaJ heat	protein-coding
chr7-7434	7.895479	0.033779	0.834192	0.040493	0.9677	0.981636	chr7	74342150	74342442	+	0	NA	intron (N	AluSx|SIN	52821	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIP	CAP-Gly d	protein-coding
chr10-245	8.374501	0.032809	0.810713	0.040469	0.967719	0.981636	chr10	24583824	24586229	+	0	NA	exon (NM_	exon (NM_	37817	NM_001367	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr19-349	8.374501	0.032809	0.810713	0.040469	0.967719	0.981636	chr19	3494948	3496744	+	0	NA	intron (N	AluSz6|SI	4828	NM_001145	83475	Hs.515064	NM_031304	ENSG00000	DOHH	HLRC1|hDO	deoxyhypu	protein-coding
chr1-5423	9.664136	-0.03051	0.754327	-0.04045	0.967734	0.981636	chr1	54236994	54238066	+	0	NA	non-codin	non-codin	1087	NR_103541	619518	Hs.591438	NM_001034	ENSG00000	SSBP3-AS1	C1orf191|	SSBP3 ant	ncRNA
chr15-991	9.664136	-0.03051	0.754327	-0.04045	0.967734	0.981636	chr15	99191400	99193039	+	0	NA	intron (N	THE1B-int	57362	NM_001288	64927	Hs.513195	NM_022905	ENSG00000	TTC23	HCC-8	tetratric	protein-coding
chr19-116	9.664136	-0.03051	0.754327	-0.04045	0.967734	0.981636	chr19	11606071	11608030	+	0	NA	intron (N	THE1C-int	9567	NM_145295	199692	Hs.526665	NM_145295	ENSG00000	ZNF627	-	zinc fing	protein-coding
chr4-1479	9.664136	-0.03051	0.754327	-0.04045	0.967734	0.981636	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	MLT1B|LTR	130931	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr7-9941	9.664136	-0.03051	0.754327	-0.04045	0.967734	0.981636	chr7	99419378	99420686	+	0	NA	TTS (NM_0	TTS (NM_0	10860	NR_162133	1.13E+08		NR_162133		MIR12119	-	microRNA	ncRNA
chr1-3571	7.367459	0.034668	0.857162	0.040445	0.967738	0.981636	chr1	35714636	35716164	+	0	NA	3’ UTR (N	3’ UTR (N	1511	NM_001348	127703	Hs.112023	NM_152374	ENSG00000	C1orf216	-	chromosom	protein-coding
chr1-1131	7.367459	0.034668	0.857162	0.040445	0.967738	0.981636	chr1	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	51835	NM_001312	9860	Hs.448972	NM_014813	ENSG00000	LRIG2	LIG-2|LIG	leucine r	protein-coding
chr10-878	7.367459	0.034668	0.857162	0.040445	0.967738	0.981636	chr10	87806715	87807367	+	0	NA	intron (N	MER34A1|L	11190	NM_001321	84896	Hs.435948	NM_032810	ENSG00000	ATAD1	AFDC1|FNP	ATPase fa	protein-coding
chr17-399	7.367459	0.034668	0.857162	0.040445	0.967738	0.981636	chr17	39903681	39903920	+	0	NA	TTS (NM_0	TTS (NM_0	13740	NM_001369	55876	Hs.306777	NM_018530	ENSG00000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr1-5281	7.416456	0.034835	0.862206	0.040402	0.967773	0.981636	chr1	52818615	52819822	+	0	NA	intron (N	intron (N	-23542	NM_001307	440590	Hs.658458	NM_001004	ENSG00000	ZYG11A	ZYG11	zyg-11 fa	protein-coding
chr22-207	7.416456	0.034835	0.862206	0.040402	0.967773	0.981636	chr22	20747093	20747633	+	0	NA	intron (N	intron (N	-26750	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|H	serpin fa	protein-coding
chr4-3493	7.416456	0.034835	0.862206	0.040402	0.967773	0.981636	chr4	349345	350379	+	0	NA	promoter-	promoter-	-295	NR_030297	693156		NR_030297	ENSG00000	MIR571	MIRN571|h	microRNA	ncRNA
chr5-6957	7.416456	0.034835	0.862206	0.040402	0.967773	0.981636	chr5	69575337	69576184	+	0	NA	intron (N	Tigger1|D	15515	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr9-1344	7.416456	0.034835	0.862206	0.040402	0.967773	0.981636	chr9	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	11167	NM_001291	6256	Hs.590886	NM_002957	ENSG00000	RXRA	NR2B1	retinoid	protein-coding
chr19-541	8.853523	0.031903	0.790873	0.040339	0.967823	0.981636	chr19	54106278	54106625	+	0	NA	TTS (NM_0	TTS (NM_0	3596	NM_004542	4696	Hs.198269	NM_004542	ENSG00000	NDUFA3	B9|CI-B9	NADH:ubiq	protein-coding
chr6-4367	6.937434	0.036004	0.89604	0.040181	0.967949	0.981636	chr6	43673390	43674124	+	0	NA	intron (N	intron (N	14055	NM_018135	55168	Hs.520149	NM_018135	ENSG00000	MRPS18A	HumanS18b	mitochond	protein-coding
chr2-1718	7.221877	-0.03502	0.872823	-0.04013	0.967991	0.981636	chr2	1.72E+08	1.72E+08	+	0	NA	intron (N	MER51A|LT	18897	NM_003705	8604	Hs.470608	NM_003705	ENSG00000	SLC25A12	AGC1|ARAL	solute ca	protein-coding
chr1-2330	10.5399	-0.02967	0.739552	-0.04012	0.967999	0.981636	chr1	23302416	23302706	+	0	NA	Intergeni	AluY|SINE	-17043	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr11-103	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr11	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA3|LIN	32503	NM_001377	79659	Hs.503721	NM_001377	ENSG00000	DYNC2H1	ATD3|DHC1	dynein cy	protein-coding
chr13-479	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr13	47985243	47986262	+	0	NA	intron (N	L1PA11|LI	15574	NM_003850	8803	Hs.743361	NM_003850	ENSG00000	SUCLA2	A-BETA|A-	succinate	protein-coding
chr22-353	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr22	35328519	35329068	+	0	NA	intron (N	intron (N	-6847	NR_037471	1.01E+08		NR_037471	ENSG00000	MIR3909	mir-3909	microRNA	ncRNA
chr5-8814	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr5	881500	881874	+	0	NA	intron (N	intron (N	10835	NR_134296	65980	Hs.449278	NM_023924	ENSG00000	BRD9	LAVS3040|	bromodoma	protein-coding
chr6-1465	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr6	1.47E+08	1.47E+08	+	0	NA	3’ UTR (N	3’ UTR (N	10852	NM_006834	10981	Hs.287714	NM_006834	ENSG00000	RAB32	-	RAB32, me	protein-coding
chr7-7506	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chr7	75060956	75061414	+	0	NA	intron (N	intron (N	12617	NM_001363	81554	Hs.529623	NM_030798	ENSG00000	RCC1L	WBSCR16	RCC1 like	protein-coding
chrX-7156	7.708757	-0.03363	0.839056	-0.04007	0.968033	0.981636	chrX	71567551	71568146	+	0	NA	intron (N	intron (N	-10176	NM_052957	93953	Hs.135167	NM_052957	ENSG00000	GCNA	ACRC|NAAR	germ cell	protein-coding
chr8-2729	10.15102	-0.02964	0.740719	-0.04002	0.968078	0.981636	chr8	27291772	27294273	+	0	NA	intron (N	(TTTTC)n	18250	NM_171982	23087	Hs.104223	NM_171982	ENSG00000	TRIM35	HLS5|MAIR	tripartit	protein-coding
chr1-1536	11.07578	-0.02843	0.71034	-0.04002	0.968078	0.981636	chr1	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2426	NM_001317	140576	Hs.515714	NM_080388	ENSG00000	S100A16	AAG13|DT1	S100 calc	protein-coding
chr13-233	7.846481	0.033481	0.837398	0.039982	0.968107	0.981636	chr13	23354693	23355901	+	0	NA	exon (NM_	exon (NM_	20211	NM_001278	26278	Hs.159492	NM_014363	ENSG00000	SACS	ARSACS|DN	sacsin mo	protein-coding
chr17-428	7.846481	0.033481	0.837398	0.039982	0.968107	0.981636	chr17	42810779	42812232	+	0	NA	TTS (NM_0	TTS (NM_0	12374	NM_001313	8678	Hs.716464	NM_003766	ENSG00000	BECN1	ATG6|VPS3	beclin 1	protein-coding
chr7-3590	6.734997	-0.03644	0.91397	-0.03987	0.968195	0.981636	chr7	35900446	35900956	+	0	NA	intron (N	intron (N	99482	NM_001363	989	Hs.191346	NM_001788	ENSG00000	SEPTIN7	CDC10|CDC	septin 7	protein-coding
chr10-998	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr10	99876514	99877333	+	0	NA	3’ UTR (N	3’ UTR (N	37169	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr12-307	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr12	30715345	30717337	+	0	NA	intron (N	A-rich|Lo	-20472	NM_006390	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr16-288	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr16	28841743	28842284	+	0	NA	TTS (NM_0	TTS (NM_0	1994	NR_039872	1.01E+08		NR_039872	ENSG00000	MIR4721	-	microRNA	ncRNA
chr19-406	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr19	40684076	40684362	+	0	NA	intron (N	AluSc8|SI	5945	NM_001289	9253	Hs.326953	NM_004756	ENSG00000	NUMBL	CAG3A|CTG	NUMB like	protein-coding
chr3-1314	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr3	1.31E+08	1.31E+08	+	0	NA	intron (N	L1PA6|LIN	-7902	NR_002985	677836	Hs.735762	NR_002985		SNORA58	ACA58|SNO	small nuc	snoRNA
chr3-1360	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr3	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	68368	NM_181897	5523	Hs.518155	NM_002718	ENSG00000	PPP2R3A	PPP2R3|PR	protein p	protein-coding
chr5-3354	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr5	33545299	33546158	+	0	NA	intron (N	L1PA6|LIN	104952	NR_047676	6897	Hs.481860	NM_152295	ENSG00000	TARS	ThrRS	threonyl-	protein-coding
chr7-6000	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr7	6000872	6002553	+	0	NA	intron (N	AluSx|SIN	7337	NM_001322	5395	Hs.632637	NM_000535	ENSG00000	PMS2	HNPCC4|ML	PMS1 homo	protein-coding
chr7-6816	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr7	6816825	6820615	+	0	NA	intron (N	(GAAA)n|S	7575	NM_198097	221960	Hs.567779	NM_198097	ENSG00000	CCZ1B	C7orf28A|	CCZ1 homo	protein-coding
chr8-8098	8.195637	-0.0323	0.810928	-0.03983	0.968225	0.981636	chr8	80984928	80987624	+	0	NA	intron (N	intron (N	-111495	NM_001033	619279	Hs.434957	NM_032651	ENSG00000	ZNF704	Gig1	zinc fing	protein-coding
chr20-345	9.381543	0.031022	0.784149	0.039561	0.968443	0.981636	chr20	34528590	34528826	+	0	NA	intron (N	AluJo|SIN	12324	NM_014183	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr1-1635	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr1	1635633	1635968	+	0	NA	exon (NM_	exon (NM_	3020	NR_002946	8511	Hs.671760	NR_002946	ENSG00000	MMP23A	MIFR|MIFR	matrix me	pseudo
chr1-8391	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr1	83915112	83916917	+	0	NA	intron (N	L1PA4|LIN	-55018	NR_119375	1.02E+08	Hs.621230	NR_119375	ENSG00000	LINC01725	-	long inte	ncRNA
chr1-1087	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	20693	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-1093	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr1	1.09E+08	1.09E+08	+	0	NA	exon (NM_	exon (NM_	-20058	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-2058	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	non-codin	non-codin	5193	NR_046098	284581		NR_046097		LOC284581	-	uncharact	ncRNA
chr10-245	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr10	24591453	24597690	+	0	NA	intron (N	L1MC5a|LI	28272	NM_001367	57584	Hs.524195	NM_020824	ENSG00000	ARHGAP21	ARHGAP10	Rho GTPas	protein-coding
chr10-969	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr10	96954959	96955718	+	0	NA	exon (NM_	exon (NM_	122393	NM_032440	84458	Hs.427927	NM_015652	ENSG00000	LCOR	C10orf12|	ligand de	protein-coding
chr12-577	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr12	57791334	57793599	+	0	NA	intron (N	intron (N	9679	NM_001172	10102	Hs.632704	NM_005726	ENSG00000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr13-956	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr13	95617744	95624333	+	0	NA	intron (N	intron (N	23668	NM_198968	22873	Hs.656580	NM_014934	ENSG00000	DZIP1	DZIP|DZIP	DAZ inter	protein-coding
chr14-390	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr14	39080142	39087210	+	0	NA	intron (N	AluSx1|SI	-19464	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr14-547	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr14	54748860	54749228	+	0	NA	intron (N	intron (N	-5789	NM_001161	23034	Hs.98259	NM_015589	ENSG00000	SAMD4A	SAMD4|SMA	sterile a	protein-coding
chr15-408	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr15	40896479	40897171	+	0	NA	intron (N	AluSq2|SI	2375	NM_020857	57617	Hs.23876	NM_020857	ENSG00000	VPS18	PEP3	VPS18 cor	protein-coding
chr15-828	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr15	82821654	82828726	+	0	NA	intron (N	intron (N	15562	NM_001080	123720	Hs.377360	NM_001080	ENSG00000	WHAMM	WHAMM1|WH	WASP homo	protein-coding
chr16-302	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr16	30267681	30268465	+	0	NA	Intergeni	Intergeni	-19660	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr16-672	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr16	67228338	67230718	+	0	NA	TTS (NM_0	TTS (NM_0	2398	NR_134524	29100	Hs.433203	NM_014187	ENSG00000	TMEM208	HSPC171	transmemb	protein-coding
chr17-799	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr17	799758	801043	+	0	NA	3’ UTR (N	3’ UTR (N	18047	NM_018146	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr18-368	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr18	36801215	36802755	+	0	NA	intron (N	L1MEc|LIN	27017	NM_001330	25941	Hs.436636	NM_015476	ENSG00000	TPGS2	C18orf10|	tubulin p	protein-coding
chr19-456	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr19	45609314	45610391	+	0	NA	intron (N	intron (N	-7640	NM_005282	2828	Hs.17170	NM_005282	ENSG00000	GPR4	-	G protein	protein-coding
chr2-1640	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr2	1640161	1644640	+	0	NA	intron (N	intron (N	102115	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COR	peroxidas	protein-coding
chr21-327	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr21	32741182	32743780	+	0	NA	non-codin	non-codin	14367	NR_038880	1.01E+08	Hs.657123	NR_038879	ENSG00000	PAXBP1-AS	GCFC1-AS1	PAXBP1 an	ncRNA
chr22-352	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr22	35291685	35294762	+	0	NA	intron (N	intron (N	-6052	NM_001135	10043	Hs.474705	NM_005488	ENSG00000	TOM1	-	target of	protein-coding
chr3-4791	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr3	47913100	47921806	+	0	NA	intron (N	AluSx1|SI	67898	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr3-1978	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	AluJb|SIN	50615	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr4-5793	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr4	5793606	5795888	+	0	NA	intron (N	L1PA16|LI	83546	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr5-8043	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr5	80435576	80437781	+	0	NA	intron (N	intron (N	28614	NM_001105	9765	Hs.482660	NM_014733	ENSG00000	ZFYVE16	PPP1R69	zinc fing	protein-coding
chr5-1396	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	AluY|SINE	-31810	NM_001317	51523	Hs.189119	NM_016463	ENSG00000	CXXC5	CF5|HSPC1	CXXC fing	protein-coding
chr7-4009	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr7	40092859	40095173	+	0	NA	intron (N	intron (N	40606	NM_138701	136647	Hs.654989	NM_138701	ENSG00000	MPLKIP	ABHS|C7or	M-phase s	protein-coding
chr7-9310	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr7	93104003	93107071	+	0	NA	exon (NM_	exon (NM_	12442	NM_017654	54809	Hs.65641	NM_017654	ENSG00000	SAMD9	C7orf5|DR	sterile a	protein-coding
chr9-1314	8.682518	-0.03109	0.787247	-0.03949	0.9685	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSc8|SI	21053	NM_013318	84726	Hs.743955	NM_013318	ENSG00000	PRRC2B	BAT2L|BAT	proline r	protein-coding
chr11-626	4.452185	0.042327	1.076074	0.039335	0.968624	0.981636	chr11	62609564	62610324	+	0	NA	intron (N	MIRb|SINE	-2797	NM_000327	6094	Hs.281564	NM_000327	ENSG00000	ROM1	ROM|ROSP1	retinal c	protein-coding
chr12-111	4.452185	0.042327	1.076074	0.039335	0.968624	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	Intergeni	Intergeni	-3520	NR_036636	8759	Hs.661708	NR_036636		ADAM1A	ADAM1|ADA	ADAM meta	pseudo
chr20-200	4.452185	0.042327	1.076074	0.039335	0.968624	0.981636	chr20	20023117	20023815	+	0	NA	intron (N	intron (N	5671	NM_181527	51126	Hs.368783	NM_016100	ENSG00000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr5-6967	4.452185	0.042327	1.076074	0.039335	0.968624	0.981636	chr5	69677362	69678002	+	0	NA	intron (N	intron (N	32845	NR_027386	653188	Hs.631974	NR_027386	ENSG00000	GUSBP3	GUSBP1|SM	GUSB pseu	pseudo
chr12-323	6.360417	0.036759	0.93552	0.039292	0.968657	0.981636	chr12	32306257	32306766	+	0	NA	intron (N	AluSc8|SI	-93047	NM_001370	121512	Hs.117835	NM_139241	ENSG00000	FGD4	CMT4H|FRA	FYVE, Rho	protein-coding
chrX-1669	6.360417	0.036759	0.93552	0.039292	0.968657	0.981636	chrX	16691024	16691544	+	0	NA	intron (N	AluSz6|SI	20933	NM_001144	56474	Hs.227049	NM_019857	ENSG00000	CTPS2	-	CTP synth	protein-coding
chr4-2071	8.63352	-0.03139	0.800805	-0.0392	0.968732	0.981636	chr4	20716411	20716815	+	0	NA	intron (N	L1PA5|LIN	16155	NM_001330	133015	Hs.479298	NM_145048	ENSG00000	PACRGL	C4orf28	parkin co	protein-coding
chr20-414	8.14664	-0.03251	0.829695	-0.03918	0.968748	0.981636	chr20	41407625	41407824	+	0	NA	intron (N	intron (N	-40906	NM_052846	90187	Hs.726525	NM_052846	ENSG00000	EMILIN3	C20orf130	elastin m	protein-coding
chrX-1295	8.14664	-0.03251	0.829695	-0.03918	0.968748	0.981636	chrX	1.3E+08	1.3E+08	+	0	NA	intron (N	FRAM|SINE	12920	NM_001282	6594	Hs.152292	NM_003069	ENSG00000	SMARCA1	ISWI|NURF	SWI/SNF r	protein-coding
chr1-1741	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr1	17415036	17418333	+	0	NA	intron (N	intron (N	21852	NM_001136	55920	Hs.380857	NM_018715	ENSG00000	RCC2	TD-60	regulator	protein-coding
chr1-3629	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr1	36296415	36298958	+	0	NA	intron (N	AluSx3|SI	-8682	NM_001162	79729	Hs.524496	NM_024676	ENSG00000	SH3D21	C1orf113	SH3 domai	protein-coding
chr1-4421	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr1	44218505	44219888	+	0	NA	exon (NM_	exon (NM_	5725	NM_001034	55929	Hs.8008	NM_019100	ENSG00000	DMAP1	DNMAP1|DN	DNA methy	protein-coding
chr1-5302	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr1	53029618	53029969	+	0	NA	intron (N	intron (N	14855	NM_001007	6342	Hs.476365	NM_002979	ENSG00000	SCP2	NLTP|NSL-	sterol ca	protein-coding
chr1-2471	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr1	2.47E+08	2.47E+08	+	0	NA	Intergeni	L1MB2|LIN	8121	NR_037480	1.01E+08		NR_037480	ENSG00000	MIR3916	mir-3916	microRNA	ncRNA
chr10-841	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr10	84148461	84153005	+	0	NA	exon (NM_	exon (NM_	11224	NM_014394	27069	Hs.352656	NM_014394	ENSG00000	GHITM	DERP2|HSP	growth ho	protein-coding
chr10-919	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr10	91956712	91960527	+	0	NA	intron (N	AluSx1|SI	34849	NM_003972	9044	Hs.500526	NM_003972	ENSG00000	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr11-570	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr11	5706610	5709983	+	0	NA	intron (N	intron (N	18506	NM_006074	10346	Hs.501778	NM_006074	ENSG00000	TRIM22	GPSTAF50|	tripartit	protein-coding
chr11-478	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr11	47811093	47815539	+	0	NA	non-codin	non-codin	35034	NR_134636	23279	Hs.643526	NM_015231	ENSG00000	NUP160	NPHS19	nucleopor	protein-coding
chr11-118	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSq2|SI	-7340	NM_015157	23187	Hs.504062	NM_015157	ENSG00000	PHLDB1	LL5A	pleckstri	protein-coding
chr12-565	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr12	56578657	56585398	+	0	NA	intron (N	intron (N	48299	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WALp	bromodoma	protein-coding
chr12-644	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr12	64495235	64499925	+	0	NA	intron (N	intron (N	45460	NM_013254	29110	Hs.505874	NM_013254	ENSG00000	TBK1	FTDALS4|I	TANK bind	protein-coding
chr12-114	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	AluJb|SIN	24029	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr14-739	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr14	73903674	73912171	+	0	NA	intron (N	intron (N	21063	NR_040251	57862	Hs.270869	NM_021188	ENSG00000	ZNF410	APA-1|APA	zinc fing	protein-coding

chr15-434	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr15	43450684	43453156	+	0	NA	intron (N	AluSz6|SI	41236	NM_001141	7158	Hs.44096	NM_005657	ENSG0000	TP53BP1	53BP1|TD	tumor pr	protein-coding
chr15-446	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr15	44628557	44630691	+	0	NA	intron (N	MIRb|SINE	34038	NM_00116	80208	Hs.656271	NM_025137	ENSG0000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-671	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr15	67168323	67173345	+	0	NA	intron (N	intron (N	4679	NM_00114	4088	Hs.72798	NM_005902	ENSG0000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-117	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr16	11759319	11777024	+	0	NA	intron (N	intron (N	-25314	NR_136673	51061	Hs.313847	NM_015914	ENSG0000	TXNDC11	EFP1	thioredox	protein-coding
chr16-187	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr16	18780756	18789096	+	0	NA	intron (N	intron (N	5408	NM_00103	6210	Hs.370504	NM_00101	ENSG0000	RPS15A	DBA20|S15	ribosomal	protein-coding
chr16-702	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr16	70255243	70272837	+	0	NA	intron (N	AluSg|SIN	-12100	NM_05821	118460	Hs.66063	NM_05821	ENSG0000	EXOSC6	EAP4|MTR3	exosome c	protein-coding
chr16-898	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr16	89877941	89881355	+	0	NA	intron (N	CpG	6056	NM_014972	22980	Hs.415342	NM_014972	ENSG0000	TCF25	FKSG26|Hu	transcrip	protein-coding
chr17-376	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr17	37621112	37624386	+	0	NA	intron (N	intron (N	-7710	NR_106744	1.02E+08		NR_106744	ENSG0000	MIR378J	hsa-mir-3	microRNA	ncRNA
chr17-511	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr17	51191060	51192844	+	0	NA	intron (N	intron (N	25230	NM_001018	4831	Hs.463456	NM_002512	ENSG0000	NME2	NDKB|NDPK	NME/NM23	protein-coding
chr17-578	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr17	57838909	57841146	+	0	NA	intron (N	intron (N	10017	NM_01607	51649	Hs.5836	NM_01607	ENSG0000	MRPS23	CGI-138|H	mitochon	protein-coding
chr17-822	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr17	82234814	82239644	+	0	NA	TTS (NR_1	TTS (NR_1	561	NR_106845	1.02E+08		NR_106845	ENSG0000	MIR6787	hsa-mir-6	microRNA	ncRNA
chr19-491	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr19	49196413	49196989	+	0	NA	exon (NM_	exon (NM_	38909	NM_017636	54795	Hs.467101	NM_017636	ENSG0000	TRPM4	LTrpC4|PF	transient	protein-coding
chr2-1818	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr2	1.82E+08	1.82E+08	+	0	NA	intron (N	intron (N	9324	NM_001287	6744	Hs.196983	NM_006751	ENSG0000	ITPRID2	CS-1|CS1|	ITPR inte	protein-coding
chr2-1913	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	145447	NM_001161	4430	Hs.43962	NM_012223	ENSG0000	MYO1B	MMI-alpha	myosin I	protein-coding
chr20-211	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr20	2116665	2118588	+	0	NA	intron (N	AluSx1|SI	15799	NM_080836	140901	Hs.100057	NM_080836	ENSG0000	STK35	CLIK1|STK	serine/th	protein-coding
chr21-371	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr21	37151731	37153373	+	0	NA	intron (N	AluY|SINE	41374	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG0000	TTC3-AS1	-	TTC3 anti	ncRNA
chr3-9469	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr3	9469231	9481581	+	0	NA	intron (N	intron (N	77706	NM_00108	55209	Hs.288164	NM_018187	ENSG0000	SETD5	-	SET domai	protein-coding
chr3-486	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr3	48606495	48608187	+	0	NA	intron (N	AluSc|SIN	-2191	NR_132776	1.07E+08		NR_132776		SNORA94	-	small nuc	snoRNA
chr3-1002	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSq2|SI	30945	NM_001199	55773	Hs.477003	NM_018309	ENSG0000	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr4-1095	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr4	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	-29855	NM_017918	55013	Hs.234149	NM_017918	ENSG0000	MCUB	CCDC109B	mitochon	protein-coding
chr5-1128	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr5	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	5149	NM_003135	6728	Hs.637001	NM_003135	ENSG0000	SRP19	-	signal re	protein-coding
chr5-1404	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr5	1.4E+08	1.4E+08	+	0	NA	exon (NM_	exon (NM_	-50583	NM_003732	8637	Hs.594084	NM_003732	ENSG0000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr6-8317	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr6	83179814	83181891	+	0	NA	intron (N	MER102b|D	12413	NM_001199	5238	Hs.661665	NM_015599	ENSG0000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr7-2993	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr7	29934690	29941608	+	0	NA	intron (N	AluSz|SIN	51652	NM_014766	9805	Hs.520740	NM_014766	ENSG0000	SCRN1	SES1	secernin	protein-coding
chr7-4739	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr7	47394085	47397623	+	0	NA	intron (N	intron (N	68949	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr8-2260	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr8	22607640	22616618	+	0	NA	intron (N	AluSz|SIN	7087	NM_001363	57805	Hs.744848	NM_021174	ENSG0000	CCAR2	DBC-1|DBC	cell cycl	protein-coding
chr8-3832	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr8	38328430	38331193	+	0	NA	exon (NM_	exon (NM_	52460	NM_023034	54904	Hs.434966	NM_017778	ENSG0000	NSD3	KMT3F|KMT	nuclear r	protein-coding
chr9-1912	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr9	19123984	19126090	+	0	NA	intron (N	L1MB8|LIN	2455	NM_001122	123	Hs.3416	NM_001122	ENSG0000	PLIN2	ADFP|ADRF	perilipin	protein-coding
chr9-3555	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr9	35554920	35561841	+	0	NA	intron (N	intron (N	5498	NM_001287	730112	Hs.98959	NM_001099	ENSG0000	FAM166B	-	family wi	protein-coding
chr9-9546	9.169398	-0.03	0.76716	-0.0391	0.96881	0.981636	chr9	95465191	95469206	+	0	NA	exon (NM_	exon (NM_	3589	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr2-1909	9.1204	-0.03035	0.776495	-0.03908	0.968827	0.981636	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	MIRc|SINE	45044	NM_014905	2744	Hs.116448	NM_014905	ENSG0000	GLS	AAD20|CAS	glutamina	protein-coding
chr3-4357	9.1204	-0.03035	0.776495	-0.03908	0.968827	0.981636	chr3	43576786	43577329	+	0	NA	exon (NM_	exon (NM_	44869	NM_001346	55129	Hs.656657	NM_018075	ENSG0000	ANO10	SCAR10|TM	anoctamin	protein-coding
chr4-519	9.1204	-0.03035	0.776495	-0.03908	0.968827	0.981636	chr4	51901489	51901688	+	0	NA	intron (N	intron (N	58009	NM_001287	23142	Hs.605388	NM_015115	ENSG0000	DCUN1D4	-	defective	protein-coding
chr6-5659	9.1204	-0.03035	0.776495	-0.03908	0.968827	0.981636	chr6	56599936	56603422	+	0	NA	intron (N	intron (N	41210	NM_015548	667	Hs.604915	NM_001723	ENSG0000	DST	BP240|BPA	dystonin	protein-coding
chr1-1228	4.931208	0.039953	1.025386	0.038964	0.968919	0.981636	chr1	12287953	12288761	+	0	NA	intron (N	intron (N	58327	NM_015378	55187	Hs.439381	NM_015378	ENSG0000	VPS13D	SCAR4	vacuolar	protein-coding
chr10-916	7.65976	-0.03365	0.864465	-0.03893	0.968945	0.981636	chr10	91623852	91624450	+	0	NA	Intergeni	THE1B|LTR	8920	NM_005398	5507	Hs.30309	NM_005398	ENSG0000	PPP1R3C	PPP1R5|PT	protein p	protein-coding
chr1-2226	9.607281	-0.02939	0.755856	-0.03888	0.968984	0.981636	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	13774	NM_00130	375056	Hs.118474	NM_198551	ENSG0000	MIA3	ARNT|D320	MIA SH3 c	protein-coding
chr16-289	9.607281	-0.02939	0.755856	-0.03888	0.968984	0.981636	chr16	28956696	28957005	+	0	NA	intron (N	intron (N	-1733	NR_039742	1.01E+08		NR_039742	ENSG0000	MIR4517	mir-4517	microRNA	ncRNA
chr1-4365	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr1	43653546	43671398	+	0	NA	intron (N	AluSg7|SI	12323	NM_014663	9682	Hs.155983	NM_014663	ENSG0000	KDM4A	JHDM3A|JM	lysine de	protein-coding
chr1-4629	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr1	46294471	46298300	+	0	NA	intron (N	AluSp|SIN	6981	NM_006369	10489	Hs.144941	NM_006369	ENSG0000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr10-998	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr10	99893626	99899541	+	0	NA	intron (N	intron (N	17509	NM_001318	23268	Hs.500771	NM_015221	ENSG0000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr11-636	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr11	63628150	63633788	+	0	NA	intron (N	intron (N	-16500	NM_001128	11145	Hs.502775	NM_007069	ENSG0000	PLAAT3	AdPLA|H-F	phospholi	protein-coding
chr11-671	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr11	67184423	67187240	+	0	NA	intron (N	MLT1A1|LT	-54183	NM_001256	22992	Hs.124147	NM_012308	ENSG0000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr14-504	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr14	50443360	50447126	+	0	NA	intron (N	intron (N	-47945	NM_001367	8814	Hs.280881	NM_004196	ENSG0000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr14-760	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr14	76004102	76005946	+	0	NA	intron (N	L1MEf|LIN	19261	NM_001255	112752	Hs.532626	NM_052873	ENSG0000	IFT43	C14orf179	intraflag	protein-coding
chr19-173	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr19	17313649	17317422	+	0	NA	intron (N	AluJr|SIN	5972	NM_024050	79016	Hs.466154	NM_024050	ENSG0000	DDA1	C19orf58|	DET1 and	protein-coding
chr19-447	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr19	44750175	44752989	+	0	NA	intron (N	MIRb|SINE	2874	NM_005178	602	Hs.31210	NM_005178	ENSG0000	BCL3	BCL4|D19S	BCL3 tran	protein-coding
chr19-571	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr19	57193064	57195745	+	0	NA	intron (N	intron (N	2904	NM_003417	9422	Hs.515634	NM_003417	ENSG0000	ZNF264	-	zinc fing	protein-coding
chr2-2706	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr2	27066589	27070107	+	0	NA	intron (N	intron (N	3306	NM_001134	1E+08	Hs.502948	NM_001134	ENSG0000	OST4	-	oligosacc	protein-coding
chr22-317	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr22	31702606	31702990	+	0	NA	intron (N	AluSx|SIN	-40234	NM_001326	23761	Hs.420559	NM_014338	ENSG0000	PISD	DJ858B16|	phosphati	protein-coding
chr4-1063	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr4	1.06E+08	1.06E+08	+	0	NA	intron (N	THE1B-int	-20916	NM_001163	93627	Hs.151498	NM_033115	ENSG0000	TBCK	HSPC302|T	TBC1 doma	protein-coding
chr4-1689	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	intron (N	72437	NM_001367	23022	Hs.151220	NM_016081	ENSG0000	PALLD	CGI-151|C	palladin,	protein-coding
chr5-1669	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr5	16697480	16708233	+	0	NA	intron (N	intron (N	-85798	NM_001034	54463	Hs.481704	NM_019000	ENSG0000	RETREG1	FAM134B|J	reticulop	protein-coding
chr5-9675	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr5	96753233	96756012	+	0	NA	intron (N	intron (N	11020	NR_104285	831	Hs.436186	NM_001750	ENSG0000	CAST	BS-17|PLA	calpastat	protein-coding
chr5-1329	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	36388	NM_014423	27125	Hs.519313	NM_014423	ENSG0000	AFF4	AF5Q31|CH	AF4/FMR2	protein-coding
chr6-4377	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr6	43775322	43786823	+	0	NA	intron (N	intron (N	9104	NM_001287	7422	Hs.73793	NM_003376	ENSG0000	VEGFA	MVCD1|VEG	vascular	protein-coding
chr8-9761	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr8	9761843	9762706	+	0	NA	intron (N	intron (N	20602	NR_030327	693182		NR_030327	ENSG0000	MIR597	MIRN597|h	microRNA	ncRNA
chr8-1411	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	43681	NM_001080	57210	Hs.372492	NM_001080	ENSG0000	SLC45A4	-	solute ca	protein-coding
chr9-1243	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr9	1.24E+08	1.24E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2406	NR_027406	1E+08	Hs.654980	NR_027406		LOC100129	-	uncharact	ncRNA
chr9-1289	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr9	1.29E+08	1.29E+08	+	0	NA	exon (NM_	exon (NM_	-12229	NM_001100	254295	Hs.709447	NM_174933	ENSG0000	PHYHD1	-	phytanoyl	protein-coding
chr9-1306	9.656278	-0.02903	0.750036	-0.03871	0.969123	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-5956	NR_106915	1.02E+08		NR_106915	ENSG0000	MIR6856	hsa-mir-6	microRNA	ncRNA
chr13-211	10.09416	-0.02853	0.738229	-0.03865	0.969168	0.981636	chr13	21147100	21148037	+	0	NA	3’ UTR (N	3’ UTR (N	7022	NM_001366	10284	Hs.524899	NM_005870	ENSG0000	SAP18	2HOR0202|	Sin3A ass	protein-coding
chr1-1137	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr1	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	34329	NM_006608	10745	Hs.655824	NM_006608	ENSG0000	PHTF1	PHTF	putative	protein-coding
chr1-2064	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-51492	NM_014002	9641	Hs.321045	NM_014002	ENSG0000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr11-742	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr11	74254033	74254822	+	0	NA	3’ UTR (N	3’ UTR (N	-56935	NR_120556	1.02E+08	Hs.569025	NR_120556	ENSG0000	P4HA3-AS1	-	P4HA3 ant	ncRNA
chr15-454	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr15	45485903	45486514	+	0	NA	intron (N	AluSx|SIN	-24928	NR_022014	283651	Hs.574240	NM_173609		HMGN2P46	C15orf21|	high mobi	pseudo
chr15-671	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr15	67140543	67141542	+	0	NA	intron (N	MER102a|D	3021	NM_001145	4088	Hs.727986	NM_005902	ENSG0000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr15-898	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr15	89881221	89881553	+	0	NA	intron (N	intron (N	2643	NR_049807	1.01E+08		NR_049807	ENSG0000	MIR5009	-	microRNA	ncRNA
chr2-1123	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	A-rich|Lo	56481	NM_005054	84220	Hs.469630	NM_005054	ENSG0000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr4-1836	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr4	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	3330	NM_152682	201965	Hs.133337	NM_152682	ENSG0000	RWDD4	FAM28A|RW	RWD domai	protein-coding
chr5-3358	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chr5	33587727	33588249	+	0	NA	intron (N	intron (N	147212	NR_047676	6897	Hs.481860	NM_152295	ENSG0000	TARS	ThrRS	threonyl-	protein-coding
chrX-5358	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chrX	53584912	53585847	+	0	NA	intron (N	intron (N	-28105	NR_029484	406889		NR_029484	ENSG0000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chrX-1540	5.41023	0.037949	0.98477	0.038536	0.96926	0.981636	chrX	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	3088	NM_001025	3654	Hs.522819	NM_001569	ENSG0000	IRAK1	IRAK|pell	interleuk	protein-coding
chr10-119	6.417272	0.035112	0.914247	0.038405	0.969365	0.981636	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	MamRep137	70817	NR_039829	1.01E+08		NR_039829	ENSG0000	MIR4681	-	microRNA	ncRNA
chr16-502	6.417272	0.035112	0.914247	0.038405	0.969365	0.981636	chr16	50225526	50226236	+	0	NA	intron (N	AluSx3|SI	-40670	NM_001114	113	Hs.513578	NM_001114	ENSG0000	ADCY7	AC7	adenylate	protein-coding
chr19-165	6.417272	0.035112	0.914247	0.038405	0.969365	0.981636	chr19	16555921	16557099	+	0	NA	intron (N	AluJr|SIN	-14073	NM_006387	10523	Hs.740364	NM_006387	ENSG0000	CHERP	DAN16|SCA	calcium	protein-coding
chr5-9702	6.417272	0.035112	0.914247	0.038405	0.969365	0.981636	chr5	97026823	97027681	+	0	NA	intron (N	AluY|SINE	68819	NM_175920	4012	Hs.527199	NM_005575	ENSG0000	LNPEP	CAP|IRAP|	leucyl ar	protein-coding
chr5-1228	6.417272	0.035112	0.914247	0.038405	0.969365	0.981636	chr5	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	27838	NM_003100	6643	Hs.125352	NM_003100	ENSG0000	SNX2	TRG-9	sorting r	protein-coding
chr10-981	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr10	98182208	98182644	+	0	NA	intron (N	L1PA6|LIN	47769	NM_138469	27291	Hs.419800	NM_014472	ENSG0000	R3HCC1L	C10orf28|	R3H domai	protein-coding
chr15-325	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr15	32517543	32519589	+	0	NA	Intergeni	Intergeni	15175	NR_036650	1E+08	Hs.562620	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr15-433	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr15	43387101	43387799	+	0	NA	intron (N	MER5B|DNA	16349	NM_001286	27229	Hs.584887	NM_014444	ENSG0000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr17-369	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr17	36955715	36956233	+	0	NA	intron (N	AluJr|SIN	7020	NM_012138	26574	Hs.195740	NM_012138	ENSG0000	AATF	BFR2|CHE-	apoptosis	protein-coding
chr22-460	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr22	46091543	46093818	+	0	NA	intron (N	intron (N	1636	NR_037413	1.01E+08		NR_037413	ENSG0000	MIR3619	-	microRNA	ncRNA
chr5-7570	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr5	75700098	75700527	+	0	NA	intron (N	L1PA3|LIN	12143	NM_152408	134359	Hs.432726	NM_152408	ENSG0000	POC5	C5orf37	POC5 cent	protein-coding
chr8-4314	6.896294	0.033866	0.883144	0.038347	0.969411	0.981636	chr8	43149741	43151236	+	0	NA	intron (N	intron (N	10024	NM_152419	138050	Hs.600384	NM_152419	ENSG0000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr16-146	5.93825	0.036512	0.952159	0.038346	0.969412	0.981636	chr16	14601644	14602419	+	0	NA	intron (N	AluSc8|SI	28229	NM_002582	5073	Hs.253197	NM_002582	ENSG0000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr12-116	10.14316	-0.02819	0.735395	-0.03834	0.969417	0.981636	chr12	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	139831	NR_030351	693205		NR_030351	ENSG0000	MIR620	MIRN620|h	microRNA	ncRNA
chr15-904	10.14316	-0.02819	0.735395	-0.03834	0.969417	0.981636	chr15	90486122	90488214	+	0	NA	intron (N	intron (N	-42755	NM_022769	64784	Hs.567572	NM_022769	ENSG0000	CRTC3	TORC-3|TO	CREB regu	protein-coding
chr17-357	10.14316	-0.02819	0.735395	-0.03834	0.969417	0.981636	chr17	35723719	35724567	+	0	NA	3’ UTR (N	3’ UTR (N	-7496	NM_033315	91608	Hs.744994	NM_033315	ENSG0000	RASL10B	RRP17|VTS	RAS like	protein-coding
chr17-475	10.14316	-0.02819	0.735395	-0.03834	0.969417	0.981636	chr17	47534578	47534987	+	0	NA	intron (N	AluSx|SIN	3674	NM_006310	9520	Hs.443837	NM_006310	ENSG0000	NPEPPS	AAP-S|MP1	aminopept	protein-coding
chr7-1589	10.14316	-0.02819	0.735395	-0.03834	0.969417	0.981636	chr7	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	46226	NM_001350	55112	Hs.389945	NM_018051	ENSG0000	WDR60	FAP163|SR	WD repeat	protein-coding
chr16-292	11.06792	-0.02713	0.710126	-0.03821	0.969523	0.981636	chr16	29217482	29219212	+	0	NA	Intergeni	Intergeni	-83940	NR_002939	440352	Hs.658149	NR_002939		SNX29P2	RUNDC2C	sorting r	pseudo
chr1-6223	7.375317	0.032734	0.857301	0.038183	0.969542	0.981636	chr1	6223559	6223807	+	0	NA	3’ UTR (N	3’ UTR (N	12281	NM_012405	23463	Hs.515688	NM_012405	ENSG0000	ICMT	HSTE14|MS	isoprenyl	protein-coding
chr16-162	7.375317	0.032734	0.857301	0.038183	0.969542	0.981636	chr16	1620144	1620932	+	0	NA	intron (N	intron (N	5898	NM_020825	57585	Hs.603676	NM_020825	ENSG0000	CRAMP1	CRAMP1L|H	cramped c	protein-coding
chr22-505	7.375317	0.032734	0.857301	0.038183	0.969542	0.981636	chr22	50502410	50503198	+	0	NA	TTS (NM_0	TTS (NM_0	4898	NM_033200	91289	Hs.150540	NM_033200	ENSG0000	LMF2	TMEM112B|	lipase ma	protein-coding
chr1-2766	5.889252	0.036206	0.951855	0.038037	0.969658	0.981636	chr1	27665685	27667208	+	0	NA	exon (NM_	exon (NM_	-3724	NR_151722	1.11E+08	Hs.297628	NR_151722	ENSG0000	LINC02574	-	long inte	ncRNA
chr18-745	5.889252	0.036206	0.951855	0.038037	0.969658	0.981636	chr18	74510274	74511200	+	0	NA	intron (N	intron (N	11149	NM_001168	55748	Hs.149185	NM_018235	ENSG0000	CNDP2	CN2|CPGL|	carnosine	protein-coding
chr8-6410	5.889252	0.036206	0.951855	0.038037	0.969658	0.981636	chr8	6410038	6411326	+	0	NA	intron (N	LTR31|LTR	3529	NM_001322	79648	Hs.593807	NM_024596	ENSG0000	MCPH1	BRIT1|MCT	microceph	protein-coding
chr22-497	7.854339	0.031689	0.835645	0.037922	0.96975	0.981636	chr22	49772599	49772854	+	0	NA	TTS (NM_0	TTS (NM_0	51605	NR_146334	23774	Hs.127950	NM_014577	ENSG0000	BRD1	BRL|BRPF1	bromodoma	protein-coding
chr17-269	8.382359	0.030925	0.818003	0.037805	0.969843	0.981636	chr17	2696504	2696933	+	0	NA	intron (N	intron (N	-3799	NR_106834	1.02E+08		NR_106834	ENSG0000	MIR6776	hsa-mir-6	microRNA	ncRNA
chr8-5856	8.382359	0.030925	0.818003	0.037805	0.969843	0.981636	chr8	58560404	58560796	+	0	NA	5’ UTR (N	5’ UTR (N	7339	NM_005625	6386	Hs.200804	NM_005625	ENSG0000	SDCBP	MDA-9|MDA	syndecan	protein-coding
chr19-571	9.218395	-0.02958	0.788004	-0.03753	0.970059	0.981636	chr19	57196414	57197255	+	0	NA	intron (N	HERVL-int	5334	NM_003417	9422	Hs.515634	NM_003417	ENSG0000	ZNF264	-	zinc fing	protein-coding
chr1-2431	8.187779	-0.03054	0.814234	-0.03751	0.970076	0.981636	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-69922	NR_029401	731275	Hs.722350	NR_029401	ENSG0000	LINC01347	-	long inte	ncRNA
chr10-103	8.187779	-0.03054	0.814234	-0.03751	0.970076	0.981636	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluJr|SIN	-10183	NM_001351	22978	Hs.97439	NM_012229	ENSG0000	NT5C2	GMP|NT5B|	5’-nucle	protein-coding
chr15-399	8.187779	-0.03054	0.814234	-0.03751	0.970076	0.981636	chr15	39977212	39979265	+	0	NA	intron (N	intron (N	44123	NM_001013	440275	Hs.656673	NM_001013	ENSG0000	EIF2AK4	GCN2|PVOD	eukaryoti	protein-coding
chr2-1080	8.187779	-0.03054	0.814234	-0.03751	0.970076	0.981636	chr2	10800993	10802180	+	0	NA	intron (N	intron (N	11199	NM_005742	10130	Hs.212102	NM_005742	ENSG0000	PDIA6	ERP5|P5|T	protein c	protein-coding
chr8-1033	8.187779	-0.03054	0.814234	-0.03751	0.970076	0.981636	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	L2b|LINE|	10194	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr1-2401	7.700899	-0.03168	0.844696	-0.03751	0.970079	0.981636	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	AluJb|SIN	86830	NM_020066	56776	Hs.24889	NM_020066	ENSG0000	FMN2	-	formin 2	protein-coding
chr11-652	7.700899	-0.03168	0.844696	-0.03751	0.970079	0.981636	chr11	65281257	65282207	+	0	NA	exon (NM_	exon (NM_	19770	NM_002689	23649	Hs.201897	NM_002689	ENSG0000	POLA2	-	DNA polym	protein-coding
chr16-563	7.700899	-0.03168	0.844696	-0.03751	0.970079	0.981636	chr16	56384150	56385515	+	0	NA	intron (N	AluSq2|SI	40157	NM_001323	267	Hs.295137	NM_001144	ENSG0000	AMFR	GP78|RNF4	autocrine	protein-coding
chr3-5264	6.368275	0.034658	0.924613	0.037484	0.970099	0.981636	chr3	52648155	52649239	+	0	NA	intron (N	intron (N	36902	NM_001350	55193	Hs.189920	NM_018165	ENSG0000	PBRM1	BAF180|PB	polybrom	protein-coding
chr1-1631	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr1	16310043	16310294	+	0	NA	intron (N	AluY|SINE	42312	NM_018994	54455	Hs.522384	NM_018994	ENSG0000	FBXO42	Fbx42|JFK	F-box pro	protein-coding
chr11-974	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr11	9741801	9743491	+	0	NA	intron (N	intron (N	-15647	NR_036485	283104	Hs.632156	NR_036485	ENSG0000	SBF2-AS1	-	SBF2 anti	ncRNA
chr14-311	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr14	31148650	31150517	+	0	NA	intron (N	intron (N	58210	NM_015382	25831	Hs.708017	NM_015382	ENSG0000	HECTD1	EULIR	HECT doma	protein-coding
chr15-590	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr15	59076021	59077985	+	0	NA	intron (N	intron (N	-28143	NM_004701	9133	Hs.194698	NM_004701	ENSG0000	CCNB2	HsT17299	cyclin B2	protein-coding
chr15-631	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr15	63123555	63126997	+	0	NA	intron (N	AluSp|SIN	3415	NM_001288	114294	Hs.410388	NM_032857	ENSG0000	LACTB	G24|MRPL5	lactamase	protein-coding
chr16-532	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr16	53292806	53293950	+	0	NA	intron (N	AluJo|SIN	77834	NM_001347	643802	Hs.451336	NM_001207030		LOC643802	-	u3 small	protein-coding
chr18-130	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr18	13068258	13070162	+	0	NA	intron (N	intron (N	77848	NM_032142	55125	Hs.100914	NM_018069	ENSG0000	CEP192	PPP1R62	centrosom	protein-coding
chr19-497	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr19	49782695	49784812	+	0	NA	intron (N	L1MEd|LIN	-8113	NR_106857	1.02E+08		NR_106857	ENSG0000	MIR6799	hsa-mir-6	microRNA	ncRNA
chr2-6989	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr2	69898636	69901926	+	0	NA	intron (N	intron (N	6325	NM_006857	11017	Hs.54649	NM_006857	ENSG0000	SNRNP27	27K|RY1	small nuc	protein-coding
chr2-7386	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr2	73860279	73862417	+	0	NA	intron (N	intron (N	-31660	NM_001615	72	Hs.516105	NM_001615	ENSG0000	ACTG2	ACT|ACTA3	actin gam	protein-coding
chr21-143	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr21	14376456	14378777	+	0	NA	intron (N	MLT2A2|LT	5530	NM_006948	6782	Hs.352341	NM_006948	ENSG0000	HSPA13	STCH	heat shoc	protein-coding
chr22-278	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr22	27871216	27873073	+	0	NA	intron (N	AluSz|SIN	47070	NM_001284	23760	Hs.705323	NM_012399	ENSG0000	PITPNB	PI-TP-bet	phosphati	protein-coding

chr3-6905	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr3	69053919	69056871	+	0	NA	3’ UTR (N	3’ UTR (N	-3062	NM_007114	7110	Hs.267632	NM_007114	ENSG0000C	TMF1	ARA160|TM	TATA elem	protein-coding
chr3-1002	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr3	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	21204	NM_001199	55773	Hs.477003	NM_018309	ENSG0000C	TBC1D23	NS4ATP1|F	TBC1 doma	protein-coding
chr3-1722	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	178295	NM_004122	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth hc	protein-coding
chr4-5588	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr4	55880967	55882514	+	0	NA	intron (N	MER4A1|LT	28090	NM_018261	55763	Hs.269665	NM_018261	ENSG0000C	EXOC1	BM-102|SE	exocyst c	protein-coding
chr4-1186	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	5402	NM_020961	57721	Hs.596872	NM_020961	ENSG0000C	METTL14	hMETTL14	methyltra	protein-coding
chr5-6599	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr5	65992150	65993212	+	0	NA	intron (N	intron (N	-47108	NR_028474	1E+08	Hs.608060	NR_028474		LOC100303	-	LSM3 homc	pseudo
chr6-2048	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr6	20489819	20491603	+	0	NA	3’ UTR (N	3’ UTR (N	-43746	NM_017774	54901	Hs.657604	NM_017774	ENSG0000C	CDKAL1	-	CDK5 regu	protein-coding
chr7-3291	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr7	32919940	32921710	+	0	NA	intron (N	AluYc|SIN	22345	NR_003500	441212	Hs.648086	NM_001039	ENSG0000C	RP9P	-	RP9 pseuc	pseudo
chr7-1314	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	L2a|LINE|	107559	NM_001018	5420	Hs.744213	NM_005397	ENSG0000C	PODXL	Gp200|PC|	podocalyx	protein-coding
chr8-1729	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr8	17298435	17301036	+	0	NA	3’ UTR (N	3’ UTR (N	52777	NM_001363	137492	Hs.343873	NM_152415	ENSG0000C	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr9-2074	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr9	2074606	2074805	+	0	NA	intron (N	AluJb|SIN	52760	NM_001289	6595	Hs.298990	NM_003070	ENSG0000C	SMARCA2	BAF190|BF	SWI/SNF r	protein-coding
chr9-9474	8.67466	-0.02946	0.78865	-0.03736	0.970198	0.981636	chr9	94749281	94750138	+	0	NA	intron (N	L1MEb|LIN	-9940	NM_001193	84909	Hs.434253	NM_032823	ENSG0000C	AOPEP	AP-O|APO|	aminopept	protein-coding
chr6-1102	10.82647	0.027516	0.736525	0.03736	0.970198	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	35103	NM_015891	51362	Hs.428147	NM_015891	ENSG0000C	CDC40	EHB3|PRP1	cell divi	protein-coding
chr8-3824	7.424314	0.032632	0.875952	0.037254	0.970283	0.981636	chr8	38240341	38240542	+	0	NA	intron (N	intron (N	8488	NM_001164	23259	Hs.434966	NM_015214	ENSG0000C	DDHD2	SAMWD1|SF	DDHD doma	protein-coding
chr3-4370	7.214019	-0.03283	0.88141	-0.03725	0.970284	0.981636	chr3	43703102	43703782	+	0	NA	intron (N	AluSz|SIN	-11848	NM_001346	55129	Hs.656657	NM_018075	ENSG0000C	ANO10	SCAR10|TM	anoctamir	protein-coding
chr1-3280	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr1	32805502	32811657	+	0	NA	intron (N	intron (N	-8863	NM_001256	64766	Hs.440880	NM_022753	ENSG0000C	S100PBP	S100PBPR	S100P bir	protein-coding
chr1-3937	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr1	39379395	39383708	+	0	NA	intron (N	AluJo|SIN	-27522	NM_015038	643314	Hs.658760	NM_015038	ENSG0000C	KIAA0754	-	KIAA0754	protein-coding
chr1-4041	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr1	40414934	40419457	+	0	NA	intron (N	intron (N	20395	NM_001198	64744	Hs.15200	NM_022733	ENSG0000C	SMAP2	SMAP1L	small Arf	protein-coding
chr1-1500	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	6575	NM_001279	11311	Hs.443750	NM_007259	ENSG0000C	VPS45	H1|H1VPS4	vacuolar	protein-coding
chr1-2098	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr1	2.1E+08	2.1E+08	+	0	NA	intron (N	intron (N	5570	NM_014388	27042	Hs.194754	NM_014388	ENSG0000C	UTP25	C1orf107|	UTP25 sma	protein-coding
chr10-870	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr10	87050520	87053933	+	0	NA	intron (N	AluSx1|SI	31932	NM_001146	643161	Hs.729945	NM_001146	ENSG0000C	FAM25A	bA96C23.5	family wi	protein-coding
chr11-914	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr11	9141780	9146711	+	0	NA	exon (NM_	exon (NM_	49882	NR_027713	283102	Hs.689472	NR_027713	ENSG0000C	KRT8P41	-	keratin 8	pseudo
chr11-337	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr11	33707340	33710711	+	0	NA	3’ UTR (N	3’ UTR (N	-8285	NM_001166	1E+08	Hs.709466	NM_001166	ENSG0000C	C11orf91	-	chromosom	protein-coding
chr11-118	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSz|SIN	13194	NM_001257	1656	Hs.408461	NM_004397	ENSG0000C	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr12-106	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr12	10697318	10704418	+	0	NA	intron (N	intron (N	22455	NM_003651	8531	Hs.221889	NM_003651	ENSG0000C	YBX3	CSDA|CSDA	Y-box bir	protein-coding
chr12-562	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr12	56271091	56286385	+	0	NA	intron (N	AluSc|SIN	11412	NM_001099	93058	Hs.4096	NM_144576	ENSG0000C	COQ10A	-	coenzyme	protein-coding
chr12-110	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	6534	NM_001278	10094	Hs.524741	NM_001278	ENSG0000C	ARPC3	ARC21|p21	actin rel	protein-coding
chr13-445	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr13	44556663	44557305	+	0	NA	intron (N	AluSp|SIN	-18912	NR_038381	641467	Hs.624196	NR_038381	ENSG0000C	TSC22D1-A	-	TSC22D1 a	ncRNA
chr13-114	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	Tigger17a	13841	NR_049839	1.01E+08		NR_049839	ENSG0000C	MIR548AR	-	microRNA	ncRNA
chr14-213	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr14	21359021	21370121	+	0	NA	intron (N	intron (N	19448	NM_007192	11198	Hs.213724	NM_007192	ENSG0000C	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr14-520	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr14	52057143	52061067	+	0	NA	intron (N	MIRb|SINE	9954	NM_007361	22795	Hs.369840	NM_007361	ENSG0000C	NID2	NID-2	nidogen 2	protein-coding
chr14-746	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr14	74672618	74676856	+	0	NA	intron (N	intron (N	38343	NM_001039	9870	Hs.497417	NM_014821	ENSG0000C	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr14-102	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr14	1.02E+08	1.02E+08	+	0	NA	3’ UTR (N	3’ UTR (N	36463	NM_005348	3320	Hs.525600	NM_005348	ENSG0000C	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr15-772	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr15	77257679	77259048	+	0	NA	intron (N	L1PA3|LIN	-32959	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr15-893	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr15	89329413	89333245	+	0	NA	intron (N	intron (N	3466	NM_002693	5428	Hs.706868	NM_002693	ENSG0000C	POLG	MDP1|MIRA	DNA polym	protein-coding
chr16-160	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr16	16030281	16032154	+	0	NA	intron (N	intron (N	81601	NM_004996	4363	Hs.391464	NM_004996	ENSG0000C	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr17-160	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr17	16031812	16037348	+	0	NA	intron (N	AluJb|SIN	34756	NM_017775	54902	Hs.462316	NM_017775	ENSG0000C	TTC19	2010204O1	tetratric	protein-coding
chr17-294	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr17	29466673	29469269	+	0	NA	intron (N	AluSx|SIN	77046	NM_025142	57551	Hs.597434	NM_020791	ENSG0000C	TAOK1	KFC-B|MAF	TAO kinas	protein-coding
chr17-301	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr17	30178119	30186128	+	0	NA	intron (N	intron (N	53574	NM_001045	6532	Hs.29792	NM_001045	ENSG0000C	SLC6A4	5-HTT|5-H	solute ca	protein-coding
chr18-272	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr18	2729809	2732846	+	0	NA	intron (N	intron (N	75440	NM_015295	23347	Hs.8118	NM_015295	ENSG0000C	SMCHD1	BAMS|FSHD	structura	protein-coding
chr2-2877	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr2	28776799	28790552	+	0	NA	intron (N	AluSx3|SI	-27159	NM_182756	245711	Hs.511956	NM_182756	ENSG0000C	SPDYA	RINGO3|RI	speedy/RI	protein-coding
chr2-2185	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr2	2.19E+08	2.19E+08	+	0	NA	intron (N	intron (N	-16699	NM_032726	84812	Hs.632528	NM_032726	ENSG0000C	PLCD4	-	phospholi	protein-coding
chr20-586	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr20	58674971	58676934	+	0	NA	intron (N	intron (N	-13179	NM_001204	79716	Hs.654868	NM_024663	ENSG0000C	NPEPL1	bA261P9.2	aminopept	protein-coding
chr21-371	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr21	37160392	37170580	+	0	NA	intron (N	intron (N	28440	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG0000C	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-425	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr22	42597698	42603265	+	0	NA	intron (N	AluYm1|SI	14402	NR_103820	84271	Hs.505802	NM_032311	ENSG0000C	POLDIP3	PDIP3|PDI	DNA polym	protein-coding
chr3-6903	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr3	69037242	69045054	+	0	NA	intron (N	intron (N	7887	NR_036087	1E+08		NR_036087	ENSG0000C	MIR3136	mir-3136	microRNA	ncRNA
chr3-1236	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-8197	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG0000C	MYLK-AS2	-	MYLK anti	ncRNA
chr4-2882	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr4	2882850	2886916	+	0	NA	intron (N	intron (N	40733	NM_001286	118	Hs.183706	NM_001119	ENSG0000C	ADD1	ADDA	adducin 1	protein-coding
chr4-2894	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr4	2894158	2896218	+	0	NA	intron (N	AluJr|SIN	39049	NM_001120	10227	Hs.632581	NM_001120	ENSG0000C	MFSD10	TETRAN|TE	major fac	protein-coding
chr4-2954	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr4	2954637	2957943	+	0	NA	intron (N	MIR3|SINE	7116	NM_003703	8602	Hs.627133	NM_003703	ENSG0000C	NOP14	C4orf9|NC	NOP14 nuc	protein-coding
chr4-5647	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr4	56470272	56480440	+	0	NA	intron (N	AluJo|SIN	7739	NR_151856	6731	Hs.237825	NM_006947	ENSG0000C	SRP72	BMFF|BMFS	signal re	protein-coding
chr5-1444	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr5	14441280	14442542	+	0	NA	intron (N	intron (N	-22072	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-3212	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr5	32125397	32126261	+	0	NA	3’ UTR (N	3’ UTR (N	48490	NM_022130	64083	Hs.408909	NM_022130	ENSG0000C	GOLPH3	GOPP1|GPP	golgi phc	protein-coding
chr5-4799	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr5	47990956	47992062	+	0	NA	Intergeni	ALR/Alpha	-2295129	NM_021072	348980	Hs.353176	NM_021072	ENSG0000C	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-7475	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr5	74754161	74759872	+	0	NA	intron (N	L1PB1|LIN	10101	NR_104006	84340	Hs.277154	NM_032380	ENSG0000C	GFM2	EF-G2mt|E	G elongat	protein-coding
chr5-1433	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr5	1.43E+08	1.43E+08	+	0	NA	intron (N	MSTA-int|	18414	NM_001364	2908	Hs.122926	NM_000176	ENSG0000C	NR3C1	GCCR|GCR|	nuclear r	protein-coding
chr6-4439	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr6	44391519	44395331	+	0	NA	intron (N	intron (N	5719	NM_001253	988	Hs.485471	NM_001253	ENSG0000C	CDC5L	CDC5|CDC5	cell divi	protein-coding
chr6-9056	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr6	90567080	90568266	+	0	NA	intron (N	L1PA5|LIN	19399	NM_003188	6885	Hs.594838	NM_003188	ENSG0000C	MAP3K7	CSCF|FMD2	mitogen-a	protein-coding
chr6-1079	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	46333	NM_007214	11231	Hs.26904	NM_007214	ENSG0000C	SEC63	DNAJC23|F	SEC63 hom	protein-coding
chr7-6575	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr7	65756399	65761903	+	0	NA	promoter-	promoter-	-901	NR_145716	1.1E+08		NR_145716	ENSG0000C	SNORA15B-	-	small nuc	snoRNA
chr7-6658	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr7	66583187	66584297	+	0	NA	intron (N	MER68|LTR	8665	NR_111974	493754	Hs.732409	NR_002933	ENSG0000C	GS1-124K5	-	RAB guani	pseudo
chr7-7757	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr7	77570970	77575371	+	0	NA	intron (N	intron (N	35127	NM_001131	5782	Hs.61812	NM_002835	ENSG0000C	PTPN12	PTP-PEST|	protein t	protein-coding
chr8-3079	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr8	30790388	30797058	+	0	NA	intron (N	L1MC4|LIN	19095	NM_001009	5516	Hs.491440	NM_004156	ENSG0000C	PPP2CB	PP2Abeta|	protein p	protein-coding
chr9-3619	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr9	36199435	36206443	+	0	NA	intron (N	AluSx|SIN	12018	NM_001184	1211	Hs.522114	NM_001833	ENSG0000C	CLTA	LCA	clathrin	protein-coding
chr9-9766	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr9	97663909	97668689	+	0	NA	intron (N	intron (N	31110	NR_149094	7507	Hs.654364	NM_000380	ENSG0000C	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr9-1223	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr9	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	11421	NM_001271	5742	Hs.201978	NM_000962	ENSG0000C	PTGS1	COX1|COX3	prostagla	protein-coding
chr9-1308	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	27824	NM_005157	25	Hs.431048	NM_005157	ENSG0000C	ABL1	ABL|CHDSK	ABL proto	protein-coding
chr9-1367	9.16154	-0.02847	0.766971	-0.03712	0.97039	0.981636	chr9	1.37E+08	1.37E+08	+	0	NA	TTS (NR_C	TTS (NR_C	1262	NR_002975	677824	Hs.495480	NR_002975	ENSG0000C	SNORA17B	ACA43|SNC	small nuc	snoRNA
chr1-1804	10.19216	-0.02803	0.759105	-0.03692	0.970546	0.981636	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	HAL1|LINE	29666	NR_036067	1E+08		NR_036067	ENSG0000C	MIR3121	mir-3121	microRNA	ncRNA
chr9-9809	10.19216	-0.02803	0.759105	-0.03692	0.970546	0.981636	chr9	98099656	98099855	+	0	NA	intron (N	intron (N	19467	NM_014788	9830	Hs.575631	NM_014788	ENSG0000C	TRIM14	-	tripartit	protein-coding
chr1-1258	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr1	1258212	1263928	+	0	NA	intron (N	L2|LINE|L	12784	NM_194458	118424	Hs.191987	NM_058167	ENSG0000C	UBE2J2	NCUBE-2|N	ubiquitir	protein-coding
chr1-1230	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr1	12306055	12307739	+	0	NA	intron (N	MER1B|DNA	76867	NM_015378	55187	Hs.439381	NM_015378	ENSG0000C	VPS13D	SCAR4	vacuolar	protein-coding
chr1-7780	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr1	77806961	77807840	+	0	NA	intron (N	AluJb|SIN	27595	NM_001363	374986	Hs.437755	NM_198549	ENSG0000C	MIGA1	FAM73A	mitoguarc	protein-coding
chr1-1459	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-2226	NR_147182	1.05E+08	Hs.603633	NR_147182	ENSG0000C	LIX1L-AS1	-	LIX1L ant	ncRNA
chr11-614	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr11	61423452	61428951	+	0	NA	intron (N	intron (N	3710	NM_024811	79869	Hs.718984	NM_024811	ENSG0000C	CPSF7	CFIm59	cleavage	protein-coding
chr11-672	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr11	67242721	67252694	+	0	NA	intron (N	AluSz|SIN	7693	NM_001256	22992	Hs.124147	NM_012308	ENSG0000C	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-108	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1P3|LINE	51349	NM_001351	472	Hs.367437	NM_000051	ENSG0000C	ATM	AT1|ATA|A	ATM serir	protein-coding
chr11-111	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr11	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	23729	NM_002716	5519	Hs.269128	NM_002716	ENSG0000C	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr11-118	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSg|SIN	31778	NM_001257	1656	Hs.408461	NM_004397	ENSG0000C	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr12-695	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr12	69597024	69603637	+	0	NA	intron (N	intron (N	10577	NM_201550	376132	Hs.448708	NM_201550	ENSG0000C	LRRC10	HRLRRP|LF	leucine r	protein-coding
chr12-105	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	14597	NM_001293	23325	Hs.12144	NM_015275	ENSG0000C	WASHC4	KIAA1033|	WASH comp	protein-coding
chr12-110	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	45015	NM_170665	488	Hs.506759	NM_001681	ENSG0000C	ATP2A2	ATP2B|DAF	ATPase sa	protein-coding
chr12-110	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	13352	NM_001278	10094	Hs.524741	NM_001278	ENSG0000C	ARPC3	ARC21|p21	actin rel	protein-coding
chr13-236	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr13	23622893	23625794	+	0	NA	intron (N	intron (N	44983	NM_018647	55504	Hs.149168	NM_018647	ENSG0000C	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr13-727	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr13	72758601	72767031	+	0	NA	intron (N	intron (N	19084	NM_001322	22894	Hs.744104	NM_014953	ENSG0000C	DIS3	2810028NC	DIS3 homc	protein-coding
chr14-732	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr14	73282248	73285682	+	0	NA	intron (N	intron (N	-37964	NR_135248	1.02E+08	Hs.660593	NR_135248		LOC101928	-	uncharact	ncRNA
chr14-914	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr14	91469062	91481781	+	0	NA	intron (N	intron (N	34283	NM_001366	55671	Hs.533887	NM_017936	ENSG0000C	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr14-940	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr14	94072313	94079399	+	0	NA	intron (N	L1ME1|LIN	5346	NM_020414	57062	Hs.510328	NM_020414	ENSG0000C	DDX24	-	DEAD-box	protein-coding
chr14-103	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr14	1.04E+08	1.04E+08	+	0	NA	TTS (NM_C	TTS (NM_C	18980	NM_001823	1152	Hs.173724	NM_001823	ENSG0000C	CKB	B-CK|BCK|	creatine	protein-coding
chr15-341	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr15	34160841	34162959	+	0	NA	intron (N	LTR10A|LT	48196	NM_024713	79768	Hs.633566	NM_024713	ENSG0000C	KATNBL1	C15orf29	katanin r	protein-coding
chr15-445	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr15	44551542	44566907	+	0	NA	intron (N	AluSx|SIN	22077	NM_003758	8669	Hs.404056	NM_003758	ENSG0000C	EIF3J	EIF3S1|eI	eukaryoti	protein-coding
chr15-928	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr15	92883623	92884253	+	0	NA	intron (N	intron (N	642	NR_037602	1.01E+08	Hs.622504	NR_037600		LINC01578	-	long inte	ncRNA
chr16-223	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr16	22360623	22365229	+	0	NA	intron (N	intron (N	11693	NM_001802	1039	Hs.513430	NM_001802	ENSG0000C	CDR2	CDR62|Yo	cerebella	protein-coding
chr16-274	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr16	27462663	27472485	+	0	NA	intron (N	Tigger1|D	-14181	NR_037158	283888	Hs.660935	NR_037158	ENSG0000C	IL21R-AS1	-	IL21R ant	ncRNA
chr16-466	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr16	46666802	46669574	+	0	NA	intron (N	AluSz6|SI	20990	NM_018206	55737	Hs.454528	NM_018206	ENSG0000C	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr17-273	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr17	27304873	27314568	+	0	NA	intron (N	AluSc|SIN	15606	NM_134265	26118	Hs.446017	NM_015626	ENSG0000C	WSB1	SWIP1|WSB	WD repeat	protein-coding
chr17-389	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr17	38912341	38921365	+	0	NA	intron (N	AluSq2|SI	1874	NR_106837	1.02E+08		NR_106837	ENSG0000C	MIR6779	hsa-mir-6	microRNA	ncRNA
chr17-460	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr17	46036212	46040423	+	0	NA	intron (N	MamSINE1|	39067	NM_001007	246744	Hs.661831	NM_001007	ENSG0000C	STH	MAPTIT	saitohin	protein-coding
chr17-471	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr17	47158821	47161743	+	0	NA	intron (N	AluSz|SIN	29013	NM_001256	996	Hs.463295	NM_001256	ENSG0000C	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-818	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr17	81842946	81858847	+	0	NA	intron (N	AluJr|SIN	9639	NM_000918	5034	Hs.464336	NM_000918	ENSG0000C	P4HB	CLCRP1|DS	prolyl 4-	protein-coding
chr19-151	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr19	15109582	15114307	+	0	NA	intron (N	MIR|SINE|	4543	NM_033025	85360	Hs.528701	NM_033025	ENSG0000C	SYDE1	7h3|SYD1	synapse c	protein-coding
chr19-393	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr19	39387932	39388601	+	0	NA	intron (N	intron (N	2840	NM_001256	54623	Hs.466714	NM_019088	ENSG0000C	PAF1	F23149_1|	PAF1 homc	protein-coding
chr2-9932	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr2	99325171	99328203	+	0	NA	intron (N	intron (N	9646	NM_005783	10190	Hs.536122	NM_005783	ENSG0000C	TXNDC9	APACD|PHL	thioredox	protein-coding
chr20-505	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr20	50585365	50591408	+	0	NA	intron (N	intron (N	2600	NR_030375	693230		NR_030375	ENSG0000C	MIR645	MIRN645|h	microRNA	ncRNA
chr21-348	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr21	34853171	34862923	+	0	NA	intron (N	intron (N	30652	NM_001001	861	Hs.149261	NM_001754	ENSG0000C	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr22-378	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr22	37863167	37871394	+	0	NA	intron (N	AluJr|SIN	17861	NM_001363	51386	Hs.446852	NM_016091	ENSG0000C	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr3-4123	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr3	41233557	41238219	+	0	NA	intron (N	Charlie18	36383	NM_001098	1499	Hs.476018	NM_001904	ENSG0000C	CTNNB1	CTNNB|EVR	catenin b	protein-coding
chr3-1194	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSp|SIN	11835	NR_073506	55254	Hs.594171	NM_018266	ENSG0000C	TMEM39A	-	transmemb	protein-coding
chr3-1299	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr3	1.3E+08	1.3E+08	+	0	NA	non-codir	non-codir	12042	NR_037893	1.01E+08	Hs.529562	NR_037893	ENSG0000C	TMCC1-AS1	-	TMCC1 ant	ncRNA
chr3-1723	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	68696	NM_004122	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth hc	protein-coding
chr5-7891	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr5	7891521	7891956	+	0	NA	intron (N	intron (N	22590	NR_134482	4552	Hs.481551	NM_002454	ENSG0000C	MTRR	MSR|cblE	5-methylt	protein-coding
chr6-3072	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr6	30728724	30739734	+	0	NA	intron (N	HAL1|LINE	8458	NM_005803	10211	Hs.179986	NM_005803	ENSG0000C	FLOT1	-	flotillir	protein-coding
chr7-7634	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr7	76342986	76351003	+	0	NA	intron (N	L2c|LINE|	11997	NM_012479	7532	Hs.744840	NM_012479	ENSG0000C	YWHAG	14-3-3GAM	tyrosine	protein-coding
chr8-3825	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr8	38251871	38255489	+	0	NA	exon (NM_	exon (NM_	15540	NM_032483	84513	Hs.567619	NM_032483	ENSG0000C	PLPP5	DPPL1|HTF	phospholi	protein-coding
chr8-4306	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr8	43068017	43072971	+	0	NA	intron (N	intron (N	14171	NM_002027	2339	Hs.370312	NM_002027	ENSG0000C	FNTA	FPTA|PGGT	farnesylt	protein-coding
chr8-1023	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSg7|SI	84442	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG0000C	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-4991	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr9	4991932	4993076	+	0	NA	intron (N	intron (N	7259	NM_004972	3717	Hs.656213	NM_004972	ENSG0000C	JAK2	JTK10|THC	Janus kir	protein-coding
chr9-3330	9.64842	-0.02757	0.74849	-0.03684	0.970613	0.981636	chr9	33301817	33309904	+	0	NA	intron (N	intron (N	15344	NM_147134	4799	Hs.413074	NM_002504	ENSG0000C	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr15-349	9.599423	-0.02793	0.762656	-0.03662	0.970789	0.981636	chr15	34911831	34913208	+	0	NA	intron (N	intron (N	57223	NM_014691	9716	Hs.510958	NM_014691	ENSG0000C	AQR	IBP160|fS	aquarius	protein-coding
chr16-236	9.599423	-0.02793	0.762656	-0.03662	0.970789	0.981636	chr16	23616811	23617071	+	0	NA	intron (N	AluY|SINE	-20625	NM_005003	4706	Hs.189716	NM_005003	ENSG0000C	NDUFAB1	ACP|ACP1|	NADH:ubic	protein-coding
chr9-9766	9.599423	-0.02793	0.762656	-0.03662	0.970789	0.981636	chr9	97668998	97669494	+	0	NA	intron (N	intron (N	28163	NR_149094	7507	Hs.654364	NM_000380	ENSG0000C	XPA	XP1|XPAC	XPA, DNA	protein-coding
chr4-1025	9.112542	-0.02876	0.78555	-0.03661	0.970792	0.981636	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA5|LIN	-68561	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr1-1907	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr1	19074108	19090062	+	0	NA	intron (N	intron (N	-125409	NM_001136	126917	Hs.466625	NM_001136	ENSG0000C	IFFO2	-	intermedi	protein-coding

chr1-1461	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluJb|SIN	5203	NM_001302	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr1-1715	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-31854	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr10-737	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr10	73732867	73733097	+	0	NA	Intergeni	CpG	2420	NR_048575	2749	Hs.680699	NR_048575	ENSG00000	GLUD1P3	C10orf102	glutamate	pseudo
chr10-103	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	20985	NM_001365	9644	Hs.678727	NM_014631	ENSG00000	SH3PXD2A	FISH|SH3M	SH3 and P	protein-coding
chr12-565	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr12	56562199	56565083	+	0	NA	intron (N	intron (N	41821	NM_002898	5939	Hs.505729	NM_002898	ENSG00000	RBMS2	SCR3	RNA bindi	protein-coding
chr12-928	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr12	92824566	92827825	+	0	NA	exon (NM_	exon (NM_	89706	NM_001004	440107	Hs.591013	NM_001004	ENSG00000	PLEKHG7	-	pleckstri	protein-coding
chr12-132	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr12	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	13922	NR_002979	677829	Hs.742405	NR_002979	ENSG00000	SNORA49	ACA49	small nuc	snoRNA
chr16-218	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr16	21887411	21887944	+	0	NA	Intergeni	Intergeni	-20942	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr16-283	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr16	28396920	28401656	+	0	NA	intron (N	MIRc|SINE	4597	NM_001099	728689	Hs.567374	NM_001099	ENSG00000	EIF3CL	-	eukaryoti	protein-coding
chr17-152	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr17	15244722	15259526	+	0	NA	promoter-	promoter-	-428	NR_039884	1.01E+08		NR_039884	ENSG00000	MIR4731	-	microRNA	ncRNA
chr2-3713	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr2	37130342	37142107	+	0	NA	intron (N	intron (N	11598	NM_001135	5610	Hs.131431	NM_002759	ENSG00000	EIF2AK2	EIF2AK1|P	eukaryoti	protein-coding
chr2-6118	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr2	61181462	61187444	+	0	NA	intron (N	intron (N	7035	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr3-1237	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MIRb|SINE	25754	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1254	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJo|SIN	52561	NM_003794	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting n	protein-coding
chr5-6153	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr5	61539852	61546339	+	0	NA	intron (N	intron (N	-94665	NR_161251	285668	Hs.683866	NR_126523	ENSG00000	C5orf64	-	chromosom	ncRNA
chr7-4731	10.1353	-0.02678	0.732669	-0.03656	0.970838	0.981636	chr7	47318537	47321880	+	0	NA	intron (N	MIRb|SINE	144595	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr1-2536	10.0863	-0.02716	0.743164	-0.03655	0.970847	0.981636	chr1	25361331	25362152	+	0	NA	TTS (NM_0	TTS (NM_0	23407	NM_014313	23585	Hs.705699	NM_014313	ENSG00000	TMEM50A	IFNRC|SMP	transmemb	protein-coding
chr4-2328	10.0863	-0.02716	0.743164	-0.03655	0.970847	0.981636	chr4	2328092	2328520	+	0	NA	TTS (NM_0	TTS (NM_0	36508	NM_001172	57732	Hs.292056	NM_020972	ENSG00000	ZFYVE28	LST2|LYST	zinc fing	protein-coding
chr7-1062	8.723657	-0.02898	0.797979	-0.03631	0.971035	0.981636	chr7	1.06E+08	1.06E+08	+	0	NA	exon (NM_	exon (NM_	31885	NM_005746	10135	Hs.489615	NM_005746	ENSG00000	NAMPT	111003501	nicotinam	protein-coding
chr1-1352	10.62218	-0.0261	0.719098	-0.0363	0.971047	0.981636	chr1	1352971	1355605	+	0	NA	intron (N	intron (N	4259	NM_001282	54587	Hs.515687	NM_032348	ENSG00000	MXRA8	ASP3	matrix re	protein-coding
chr1-2024	10.62218	-0.0261	0.719098	-0.0363	0.971047	0.981636	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSz|SIN	26153	NM_032103	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr13-407	4.460043	0.039136	1.085289	0.03606	0.971234	0.981636	chr13	40722314	40722991	+	0	NA	Intergeni	L1MEd|LIN	5235	NR_031723	1E+08		NR_031723	ENSG00000	MIR320D1	MIR320D-1	microRNA	ncRNA
chr5-7094	4.939066	0.037094	1.02923	0.03604	0.97125	0.981636	chr5	70945289	70946206	+	0	NA	intron (N	intron (N	20806	NM_001297	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr13-483	9.210537	-0.02805	0.778579	-0.03602	0.971263	0.981636	chr13	48394606	48395168	+	0	NA	intron (N	L1PA7|LIN	18226	NM_001162	10161	Hs.123464	NM_005767	ENSG00000	LPAR6	ARWH1|HYP	lysophosp	protein-coding
chr2-1866	8.910379	0.029703	0.825444	0.035984	0.971295	0.981636	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	44103	NM_001144	3685	Hs.436873	NM_002210	ENSG00000	ITGAV	CD51|MSK8	integrin	protein-coding
chr1-2368	3.932023	0.041261	1.147567	0.035956	0.971318	0.981636	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	52557	NM_001291	4548	Hs.498187	NM_000254	ENSG00000	MTR	HMAG|MS|c	5-methylt	protein-coding
chr13-113	5.418088	0.035368	0.984784	0.035915	0.97135	0.981636	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-25896	NM_001365	1.01E+08	Hs.704267	NM_001365	ENSG00000	C13orf46	-	chromosom	protein-coding
chr14-716	5.418088	0.035368	0.984784	0.035915	0.97135	0.981636	chr14	71661596	71662111	+	0	NA	intron (N	intron (N	75555	NM_001284	26037	Hs.654657	NM_015556	ENSG00000	SIPA1L1	E6TP1|SPA	signal in	protein-coding
chr19-503	5.418088	0.035368	0.984784	0.035915	0.97135	0.981636	chr19	5036373	5038160	+	0	NA	intron (N	intron (N	68153	NM_001370	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr2-1590	5.418088	0.035368	0.984784	0.035915	0.97135	0.981636	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	38110	NR_146421	85461	Hs.61590	NM_033394	ENSG00000	TANC1	ROLSB|TAN	tetratric	protein-coding
chr7-4738	5.418088	0.035368	0.984784	0.035915	0.97135	0.981636	chr7	47385311	47386228	+	0	NA	intron (N	intron (N	79034	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr15-228	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chr15	22873682	22874140	+	0	NA	intron (N	AluJb|SIN	35270	NM_001008	81614	Hs.591003	NM_030922	ENSG00000	NIPA2	SLC57A2	NIPA magn	protein-coding
chr15-754	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chr15	75473830	75474380	+	0	NA	intron (N	L2a|LINE|	-18290	NM_001145	25942	Hs.513039	NM_015477	ENSG00000	SIN3A	WITKOS	SIN3 tran	protein-coding
chr19-453	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chr19	45365420	45367133	+	0	NA	intron (N	AluSp|SIN	4311	NM_001130	2068	Hs.487294	NM_000400	ENSG00000	ERCC2	COFS2|EM9	ERCC exci	protein-coding
chr5-5083	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chr5	50835008	50835758	+	0	NA	intron (N	AluSx|SIN	134804	NR_104653	1E+08	Hs.519298	NR_104653	ENSG00000	LINC02106	-	long inte	ncRNA
chr8-1204	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chr8	1.2E+08	1.2E+08	+	0	NA	intron (N	L3|LINE|C	13679	NM_014078	28998	Hs.333823	NM_014078	ENSG00000	MRPL13	L13|L13A|	mitochond	protein-coding
chrX-5356	5.89711	0.033862	0.948962	0.035683	0.971535	0.981636	chrX	53569410	53570481	+	0	NA	intron (N	MIRc|SINE	-12671	NR_029484	406889		NR_029484	ENSG00000	MIRLET7F2	LET7F2|MI	microRNA	ncRNA
chr15-801	7.383175	0.030704	0.861665	0.035633	0.971575	0.981636	chr15	80134139	80135010	+	0	NA	intron (N	Tigger2|D	-18425	NM_000137	2184	Hs.73875	NM_000137	ENSG00000	FAH	-	fumarylac	protein-coding
chr19-407	7.383175	0.030704	0.861665	0.035633	0.971575	0.981636	chr19	40712865	40713922	+	0	NA	intron (N	AluSg|SIN	1726	NM_001142	79934	Hs.130712	NM_024876	ENSG00000	COQ8B	ADCK4|NPH	coenzyme	protein-coding
chr14-710	6.904152	0.031659	0.890377	0.035556	0.971636	0.981636	chr14	71084769	71085752	+	0	NA	intron (N	L1PA7|LIN	177801	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr21-323	6.904152	0.031659	0.890377	0.035556	0.971636	0.981636	chr21	32318679	32319275	+	0	NA	intron (N	intron (N	27164	NM_001285	56246	Hs.584940	NM_178817	ENSG00000	MRAP	B27|C21or	melanocor	protein-coding
chr7-1491	6.904152	0.031659	0.890377	0.035556	0.971636	0.981636	chr7	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	7244	NM_170686	57541	Hs.632032	NM_020781	ENSG00000	ZNF398	P51|P71|Z	zinc fing	protein-coding
chr18-217	8.341219	0.028972	0.817563	0.035437	0.971731	0.981636	chr18	21789252	21789516	+	0	NA	intron (N	MLT1C|LTR	36401	NR_029675	406922		NR_029675	ENSG00000	MIR133A1	MIRN133A1	microRNA	ncRNA
chr11-779	6.376132	0.032518	0.919412	0.035368	0.971786	0.981636	chr11	77900241	77901194	+	0	NA	TTS (NM_0	TTS (NM_0	59579	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr15-433	6.376132	0.032518	0.919412	0.035368	0.971786	0.981636	chr15	43340515	43341300	+	0	NA	intron (N	intron (N	10235	NM_001012	161823	Hs.533913	NM_001012	ENSG00000	ADAL	-	adenosine	protein-coding
chr2-2011	6.376132	0.032518	0.919412	0.035368	0.971786	0.981636	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	664	NM_001202	8837	Hs.390736	NM_003879	ENSG00000	CFLAR	CASH|CASP	CASP8 and	protein-coding
chr4-1682	6.376132	0.032518	0.919412	0.035368	0.971786	0.981636	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	Tigger7|D	38681	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bo	protein-coding
chr14-100	6.42513	0.032699	0.925208	0.035343	0.971806	0.981636	chr14	1.01E+08	1.01E+08	+	0	NA	Intergeni	L1PB1|LIN	1589	NR_030617	1E+08		NR_030617	ENSG00000	MIR665	MIRN665|h	microRNA	ncRNA
chr16-211	6.42513	0.032699	0.925208	0.035343	0.971806	0.981636	chr16	2111111	2112427	+	0	NA	exon (NM_	exon (NM_	-5016	NR_106775	1.02E+08		NR_106775	ENSG00000	MIR6511B1	MIR6511B-	microRNA	ncRNA
chr2-7569	6.42513	0.032699	0.925208	0.035343	0.971806	0.981636	chr2	75697714	75698907	+	0	NA	intron (N	L1ME4c|LI	12605	NM_003203	6936	Hs.303808	NM_003203	ENSG00000	GCFC2	C2orf3|DN	GC-rich s	protein-coding
chr2-1351	6.42513	0.032699	0.925208	0.035343	0.971806	0.981636	chr2	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSx1|SI	29528	NR_145723	1.1E+08		NR_145723	ENSG00000	SNORA40B	-	small nuc	snoRNA
chr5-3896	8.666802	-0.02779	0.79328	-0.03504	0.972051	0.981636	chr5	38962413	38962814	+	0	NA	intron (N	intron (N	111786	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR ind	protein-coding
chr1-8569	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr1	85699672	85702331	+	0	NA	intron (N	AluSz|SIN	7432	NM_001170	54680	Hs.5111	NM_017953	ENSG00000	ZNHIT6	BCD1|C1or	zinc fing	protein-coding
chr13-383	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr13	38354291	38356232	+	0	NA	intron (N	intron (N	5410	NM_001286	51569	Hs.643655	NM_016617	ENSG00000	UFM1	BM-002|C1	ubiquitin	protein-coding
chr14-955	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr14	95544090	95545146	+	0	NA	TTS (NM_0	TTS (NM_0	9568	NM_016417	51218	Hs.744943	NM_016417	ENSG00000	GLRX5	C14orf87|	glutaredo	protein-coding
chr16-849	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr16	84986134	84989954	+	0	NA	intron (N	AluY|SINE	23491	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr17-294	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr17	29485631	29487237	+	0	NA	intron (N	AluSz|SIN	80603	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr21-348	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr21	34849672	34852324	+	0	NA	intron (N	MIRb|SINE	37701	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr4-1221	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	6501	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-7286	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr5	72869985	72877817	+	0	NA	intron (N	MIR|SINE|	-4690	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr5-9590	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr5	95908971	95916663	+	0	NA	intron (N	intron (N	49034	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr7-1394	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	14264	NR_033999	1E+08	Hs.744449	NR_033999		LOC100129	-	uncharact	ncRNA
chr8-1795	9.153682	-0.02692	0.769711	-0.03498	0.972098	0.981636	chr8	17955148	17956714	+	0	NA	TTS (NM_0	TTS (NM_0	32943	NM_001352	5108	Hs.491148	NM_006197	ENSG00000	PCM1	PTC4|RET/	pericentr	protein-coding
chr12-640	5.946108	0.033859	0.968243	0.034969	0.972104	0.981636	chr12	64046449	64046648	+	0	NA	intron (N	L2a|LINE|	175748	NM_001300	144577	Hs.444671	NM_152440	ENSG00000	C12orf66	-	chromosom	protein-coding
chr2-3701	8.179922	-0.02871	0.821173	-0.03496	0.972114	0.981636	chr2	37012666	37014145	+	0	NA	intron (N	FLAM_A|SI	-46869	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr2-6150	8.390217	0.028915	0.829224	0.03487	0.972184	0.981636	chr2	61502028	61502577	+	0	NA	exon (NM_	exon (NM_	-31215	NM_014709	9736	Hs.644708	NM_014709	ENSG00000	USP34	-	ubiquitin	protein-coding
chr1-1590	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	21952	NM_001206	3428	Hs.380250	NM_005531	ENSG00000	IFI16	IFNGIP1|P	interfero	protein-coding
chr12-270	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr12	27027433	27030160	+	0	NA	non-codin	non-codin	6238	NM_004264	9412	Hs.286145	NM_004264	ENSG00000	MED21	SRB7|SURB	mediator	protein-coding
chr12-589	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr12	58903265	58905479	+	0	NA	intron (N	intron (N	15174	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr12-104	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr12	1.04E+08	1.04E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1752	NM_001008	493861	Hs.659857	NM_001008	ENSG00000	EID3	NS4EB|NSE	EP300 int	protein-coding
chr12-106	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr12	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	11028	NM_001319	90488	Hs.257664	NM_152261	ENSG00000	TMEM263	C12orf23	transmemb	protein-coding
chr12-111	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	73977	NM_001291	10019	Hs.506784	NM_005475	ENSG00000	SH2B3	IDDM20|LN	SH2B adap	protein-coding
chr13-327	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr13	32710447	32712097	+	0	NA	intron (N	AluSx|SIN	124820	NM_015032	23047	Hs.744901	NM_015032	ENSG00000	PDS5B	APRIN|AS3	PDS5 cohe	protein-coding
chr15-325	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr15	32525643	32529241	+	0	NA	intron (N	MLT1A|LTR	6299	NR_036650	1E+08	Hs.562620	NR_036650		WHAMMP1	WHDC1P1	WAS prote	pseudo
chr16-484	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr16	4840031	4845124	+	0	NA	intron (N	AluJo|SIN	4711	NM_032569	84656	Hs.387255	NM_032569	ENSG00000	GLYR1	BM045|HIB	glyoxylat	protein-coding
chr16-705	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr16	70530197	70551699	+	0	NA	intron (N	L1MB4|LIN	2943	NR_003079	692214		NR_003079	ENSG00000	SNORD111	HBII-82	small nuc	snoRNA
chr17-620	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr17	62009536	62011487	+	0	NA	intron (N	intron (N	54767	NM_005121	9969	Hs.282678	NM_005121	ENSG00000	MED13	ARC250|DR	mediator	protein-coding
chr19-343	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr19	3433164	3438685	+	0	NA	intron (N	AluSp|SIN	44601	NM_001136	284422	Hs.130714	NM_001136	ENSG00000	SMIM24	C19orf77|	small int	protein-coding
chr2-2004	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr2	2E+08	2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	31791	NM_001321	130535	Hs.605775	NM_152387	ENSG00000	KCTD18	6530404F1	potassium	protein-coding
chr2-2017	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	MIRc|SINE	-39714	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr3-1701	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	MER3|DNA|	8063	NM_024947	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr5-1440	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr5	14404960	14416174	+	0	NA	intron (N	intron (N	-53416	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1495	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	12883	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr6-4221	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr6	42212944	42213792	+	0	NA	intron (N	AluSz6|SI	4493	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|P	mitochond	protein-coding
chr7-4293	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr7	42935012	42938031	+	0	NA	intron (N	intron (N	4145	NR_156497	64983	Hs.50252	NM_031903	ENSG00000	MRPL32	HSPC283|L	mitochond	protein-coding
chr7-7345	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr7	73457365	73471040	+	0	NA	intron (N	intron (N	30424	NM_003508	8326	Hs.647029	NM_003508	ENSG00000	FZD9	CD349|FZD	frizzled	protein-coding
chr7-1210	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	111281	NM_001105	79974	Hs.189652	NM_024913	ENSG00000	CPED1	C7orf58	cadherin	protein-coding
chr8-1328	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-40664	NM_003235	7038	Hs.654591	NM_003235	ENSG00000	TG	AITD3|TGN	thyroglob	protein-coding
chr9-1104	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	MER39|LTR	110864	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr9-1308	9.640562	-0.02612	0.749643	-0.03484	0.972207	0.981636	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	20118	NM_005157	25	Hs.431048	NM_005157	ENSG00000	ABL1	ABL|CHDSK	ABL proto	protein-coding
chr1-5206	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr1	52064119	52067507	+	0	NA	intron (N	AluSx|SIN	9518	NM_152265	91408	Hs.429839	NM_152265	ENSG00000	BTF3L4	-	basic tra	protein-coding
chr1-8526	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr1	85265199	85272886	+	0	NA	intron (N	MSTD|LTR|	-7316	NR_045484	646626	Hs.193516	NR_045484		LOC646626	-	uncharact	ncRNA
chr10-870	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr10	87056374	87059383	+	0	NA	intron (N	intron (N	36209	NM_001318	2746	Hs.500409	NM_005271	ENSG00000	GLUD1	GDH|GDH1|	glutamate	protein-coding
chr15-588	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr15	58898739	58900772	+	0	NA	exon (NM_	exon (NM_	33924	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr3-9462	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr3	9462011	9467769	+	0	NA	intron (N	intron (N	67190	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-5219	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr3	52199272	52200254	+	0	NA	intron (N	intron (N	1603	NM_000688	211	Hs.476308	NM_000688	ENSG00000	ALAS1	ALAS|ALAS	5’-aminol	protein-coding
chr4-1216	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	25586	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr5-6374	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr5	6374077	6374727	+	0	NA	exon (NM_	exon (NM_	4145	NM_032286	84246	Hs.13885	NM_032286	ENSG00000	MED10	L6|NUT2|T	mediator	protein-coding
chr5-1329	10.12744	-0.02539	0.732466	-0.03467	0.972345	0.981636	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MEc|LIN	39368	NM_052971	116842	Hs.337588	NM_052971	ENSG00000	LEAP2	LEAP-2	liver enr	protein-coding
chr12-490	7.693041	-0.02962	0.854534	-0.03466	0.97235	0.981636	chr12	49053422	49053758	+	0	NA	exon (NM_	exon (NM_	1734	NM_003482	8085	Hs.731384	NM_003482	ENSG00000	KMT2D	AAD10|ALR	lysine me	protein-coding
chr6-1101	7.693041	-0.02962	0.854534	-0.03466	0.97235	0.981636	chr6	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA6|LIN	57979	NM_003931	8936	Hs.75850	NM_003931	ENSG00000	WASF1	SCAR1|WAV	WASP fami	protein-coding
chr19-440	8.715799	-0.0274	0.792976	-0.03456	0.972433	0.981678	chr19	44098509	44099092	+	0	NA	intron (N	AluSp|SIN	4439	NM_001321	7767	Hs.585869	NM_013398	ENSG00000	ZNF224	BMZF-2|BM	zinc fing	protein-coding
chr8-4312	4.890068	0.036421	1.05427	0.034546	0.972442	0.981678	chr8	43127511	43128046	+	0	NA	Intergeni	L1M2|LINE	-12686	NM_001363	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr12-358	10.61432	-0.02475	0.717715	-0.03449	0.972485	0.981678	chr12	358506	367924	+	0	NA	intron (N	L1ME1|LIN	26105	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RB	lysine de	protein-coding
chr4-5587	10.61432	-0.02475	0.717715	-0.03449	0.972485	0.981678	chr4	55870510	55872051	+	0	NA	intron (N	intron (N	17630	NM_018261	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr11-300	9.20268	-0.02654	0.772417	-0.03436	0.972591	0.981712	chr11	3008861	3009625	+	0	NA	intron (N	L1MB3|LIN	-16914	NM_001369	4676	Hs.731784	NM_005969	ENSG00000	NAP1L4	NAP1L4b|N	nucleosom	protein-coding
chr3-5726	9.20268	-0.02654	0.772417	-0.03436	0.972591	0.981712	chr3	57260328	57261155	+	0	NA	exon (NM_	exon (NM_	-8825	NR_135535	1.05E+08	Hs.745243	NR_135535		LOC105377	-	uncharact	ncRNA
chr7-2238	9.20268	-0.02654	0.772417	-0.03436	0.972591	0.981712	chr7	2238282	2238738	+	0	NA	intron (N	intron (N	3695	NM_013393	29960	Hs.279877	NM_013393	ENSG00000	MRM2	FJH1|FTSJ	mitochond	protein-coding
chr6-1094	11.1012	-0.02421	0.705026	-0.03433	0.972611	0.981712	chr6	1.09E+08	1.09E+08	+	0	NA	3’ UTR (N	3’ UTR (N	388	NM_001286	64780	Hs.33476	NM_022765	ENSG00000	MICAL1	MICAL|MIC	microtubu	protein-coding
chr11-656	9.68956	-0.02577	0.754928	-0.03413	0.972771	0.981731	chr11	65626798	65627225	+	0	NA	exon (NM_	exon (NM_	-9299	NR_039839	1.01E+08		NR_039839	ENSG00000	MIR4690	-	microRNA	ncRNA
chr7-5924	9.68956	-0.02577	0.754928	-0.03413	0.972771	0.981731	chr7	5924545	5926573	+	0	NA	TTS (NM_0	TTS (NM_0	26826	NM_015622	51622	Hs.530000	NM_015622	ENSG00000	CCZ1	C7orf28A|	CCZ1 homo	protein-coding
chr11-656	10.17644	-0.0251	0.739995	-0.03391	0.972946	0.981731	chr11	65656436	65661389	+	0	NA	intron (N	intron (N	4004	NM_001243	5970	Hs.502875	NM_021975	ENSG00000	RELA	CMCU|NFKB	RELA prot	protein-coding
chr10-125	5.904968	0.031416	0.951968	0.033001	0.973674	0.981731	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	22299	NM_018180	55760	Hs.370292	NM_018180	ENSG00000	DHX32	DDX32|DHL	DEAH-box	protein-coding
chr16-146	7.870055	0.027825	0.843689	0.03298	0.97369	0.981731	chr16	14656125	14656743	+	0	NA	intron (N	AluJo|SIN	23483	NM_016561	51283	Hs.435556	NM_016561	ENSG00000	BFAR	BAR|RNF47	bifunctio	protein-coding
chr15-784	10.31416	0.024899	0.755727	0.032947	0.973717	0.981731	chr15	78487698	78487897	+	0	NA	exon (NM_	exon (NM_	-19767	NM_001083	123688	Hs.307962	NM_001013	ENSG00000	HYKK	AGPHD1	hydroxyly	protein-coding
chr20-635	6.38399	0.030291	0.919502	0.032943	0.97372	0.981731	chr20	63563246	63565410	+	0	NA	exon (NM_	exon (NM_	3426	NM_033405	85441	Hs.517180	NM_033405	ENSG00000	HELZ2	PDIP-1|PR	helicase	protein-coding
chr7-1078	5.425946	0.032662	0.991779	0.032933	0.973728	0.981731	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	2842	NM_000108	1738	Hs.131711	NM_000108	ENSG00000	DLD	DLDD|DLDH	dihydroli	protein-coding
chr2-6121	8.130924	-0.02844	0.86633	-0.03283	0.973812	0.981731	chr2	61214311	61214698	+	0	NA	exon (NM_	exon (NM_	37086	NR_152211	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr2-2017	7.391033	0.028542	0.870496	0.032789	0.973843	0.981731	chr2	2.02E+08	2.02E+08	+	0	NA	exon (NM_	exon (NM_	-6550	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|D	membrane	protein-coding
chr9-1124	6.863013	0.029256	0.892683	0.032773	0.973856	0.981731	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MEj|LIN	42578	NM_032303	84263	Hs.59486	NM_032303	ENSG00000	HSDL2	C9orf99|S	hydroxyst	protein-coding
chr10-436	4.418904	0.035582	1.085954	0.032766	0.973861	0.981731	chr10	43617711	43618382	+	0	NA	TTS (NM_0	TTS (NM_0	-10771	NR_038867	414201	Hs.666576	NR_038867	ENSG00000	ZNF32-AS3	C10orf44|	ZNF32 ant	ncRNA
chr5-1098	4.418904	0.035582	1.085954	0.032766	0.973861	0.981731	chr5	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-24751	NR_033175	1E+08	Hs.368405	NR_033175		LINC01848	-	long inte	ncRNA
chr3-1270	4.946923	0.034077	1.04154	0.032718	0.973899	0.981731	chr3	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	42065	NM_032242	5361	Hs.432329	NM_032242	ENSG00000	PLXNA1	NOV|NOVP|	plexin A1	protein-coding

chr10-121	9.632704	-0.02464	0.753541	-0.0327	0.97391	0.981731	chr10	12149560	12150472	+	0	NA	intron (N	intron (N	-19200	NR_039699	1.01E+08		NR_039699	ENSG00000	MIR548AK	-	microRNA	ncRNA
chr14-746	9.632704	-0.02464	0.753541	-0.0327	0.97391	0.981731	chr14	74669172	74670547	+	0	NA	intron (N	intron (N	43221	NM_001039	9870	Hs.497417	NM_014821	ENSG00000	AREL1	FIEL1|KIA	apoptosis	protein-coding
chr21-336	9.632704	-0.02464	0.753541	-0.0327	0.97391	0.981731	chr21	33600493	33603455	+	0	NA	intron (N	intron (N	-13290	NM_017613	29980	Hs.436341	NM_017613	ENSG00000	DONSON	B17|C21or	downstrea	protein-coding
chr7-7434	9.145824	-0.02533	0.775486	-0.03267	0.973938	0.981731	chr7	74345134	74345591	+	0	NA	intron (N	AluSz6|SI	55887	NM_003388	7461	Hs.647018	NM_003388	ENSG00000	CLIP2	CLIP|CLIF	CAP-Gly c	protein-coding
chr19-233	8.707941	-0.02581	0.79121	-0.03262	0.973981	0.981731	chr19	23378992	23380631	+	0	NA	intron (N	intron (N	15660	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr4-7777	8.707941	-0.02581	0.79121	-0.03262	0.973981	0.981731	chr4	7777471	7778611	+	0	NA	non-codin	non-codin	23951	NR_026892	84740	Hs.663029	NM_032654	ENSG00000	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr1-2007	10.60646	-0.02343	0.718679	-0.0326	0.973994	0.981731	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	21803	NM_001297	23271	Hs.23585	NM_203459	ENSG00000	CAMSAP2	CAMSAP1L1	calmoduli	protein-coding
chr2-3250	10.60646	-0.02343	0.718679	-0.0326	0.973994	0.981731	chr2	32504901	32507133	+	0	NA	intron (N	AluJo|SIN	-26136	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|M	microRNA	ncRNA
chr5-9551	8.221061	-0.02663	0.817118	-0.03258	0.974006	0.981731	chr5	95518654	95519444	+	0	NA	intron (N	L1MA5A|LI	35956	NM_014639	9652	Hs.482868	NM_014639	ENSG00000	TTC37	KIAA0372|	tetratric	protein-coding
chr6-1580	8.221061	-0.02663	0.817118	-0.03258	0.974006	0.981731	chr6	1.58E+08	1.58E+08	+	0	NA	intron (N	intron (N	69487	NM_001178	8871	Hs.434494	NM_003898	ENSG00000	SYNJ2	INPP5H	synaptoja	protein-coding
chr16-705	9.194822	-0.02503	0.769296	-0.03254	0.974045	0.981731	chr16	70526400	70526946	+	0	NA	exon (NM_	exon (NM_	-2826	NR_037420	1E+08		NR_037420		SNORD111B	MIR3647	small nuc	snoRNA
chr17-319	9.194822	-0.02503	0.769296	-0.03254	0.974045	0.981731	chr17	31949097	31951766	+	0	NA	intron (N	AluSz6|SI	13424	NM_015355	23512	Hs.462732	NM_015355	ENSG00000	SUZ12	CHET9|JJA	SUZ12 pol	protein-coding
chr19-444	9.194822	-0.02503	0.769296	-0.03254	0.974045	0.981731	chr19	44490879	44496885	+	0	NA	intron (N	MLT1F|LTR	6640	NM_013256	7733	Hs.22305	NM_013256	ENSG00000	ZNF180	HHZ168	zinc fing	protein-coding
chr2-1974	9.194822	-0.02503	0.769296	-0.03254	0.974045	0.981731	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	L1PA5|LIN	12566	NM_001005	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MI	splicing	protein-coding
chr8-3774	9.194822	-0.02503	0.769296	-0.03254	0.974045	0.981731	chr8	37741197	37743094	+	0	NA	intron (N	AluSc|SIN	-4719	NR_125821	1.03E+08	Hs.588388	NR_125821	ENSG00000	LOC102723	-	uncharact	ncRNA
chr1-2098	8.658944	-0.02605	0.80134	-0.03251	0.974065	0.981731	chr1	2.1E+08	2.1E+08	+	0	NA	intron (N	intron (N	9389	NM_014388	27042	Hs.194754	NM_014388	ENSG00000	UTP25	C1orf107|	UTP25 sma	protein-coding
chr1-4275	11.58023	-0.02249	0.692857	-0.03246	0.974103	0.981731	chr1	42751678	42753077	+	0	NA	intron (N	intron (N	-12123	NM_001185	149461	Hs.496270	NM_148960	ENSG00000	CLDN19	HOMG5	claudin 1	protein-coding
chr17-451	6.91201	0.029295	0.9029	0.032446	0.974116	0.981731	chr17	45119805	45121064	+	0	NA	exon (NM_	exon (NM_	-6001	NR_106842	1.02E+08		NR_106842	ENSG00000	MIR6784	hsa-mir-6	microRNA	ncRNA
chr1-2296	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr1	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	15816	NM_014409	27097	Hs.270621	NM_014409	ENSG00000	TAF5L	PAF65B	TATA-box	protein-coding
chr10-101	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr10	1014851	1018580	+	0	NA	intron (N	intron (N	-5922	NR_027708	55853	Hs.728538	NM_018470	ENSG00000	IDI2-AS1	C10orf110	IDI2 anti	ncRNA
chr14-544	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr14	54427717	54430437	+	0	NA	intron (N	intron (N	12297	NM_005776	10175	Hs.294603	NM_005776	ENSG00000	CNIH1	CNIH|CNIH	cornichor	protein-coding
chr15-484	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr15	48425117	48427649	+	0	NA	intron (N	intron (N	94186	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr16-717	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr16	71733624	71734811	+	0	NA	intron (N	intron (N	-9516	NM_015020	23035	Hs.709458	NM_015020	ENSG00000	PHLPP2	PHLPPL|PF	PH domair	protein-coding
chr19-185	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr19	18563222	18567627	+	0	NA	intron (N	AluY|SINE	-6306	NM_001321	7311	Hs.5308	NM_003333	ENSG00000	UBA52	CEP52|HUE	ubiquitir	protein-coding
chr8-6059	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr8	60592200	60594974	+	0	NA	intron (N	L1MD1|LIN	76600	NM_002865	5862	Hs.369017	NM_002865	ENSG00000	RAB2A	LHX|RAB2	RAB2A, me	protein-coding
chr9-3326	9.681702	-0.02432	0.750636	-0.0324	0.974154	0.981731	chr9	33262104	33262500	+	0	NA	intron (N	intron (N	2406	NM_001172	573	Hs.377484	NM_004323	ENSG00000	BAG1	BAG-1|HAF	BCL2 assc	protein-coding
chr3-2573	4.897926	0.033705	1.0417	0.032356	0.974189	0.981731	chr3	25732249	25733297	+	0	NA	intron (N	L1MEg|LIN	50670	NM_018297	55768	Hs.368960	NM_018297	ENSG00000	NGLY1	CDDG|CDG1	N-glycana	protein-coding
chr11-863	10.16858	-0.02369	0.734677	-0.03224	0.974278	0.981731	chr11	86337352	86338185	+	0	NA	intron (N	AluSx|SIN	35528	NM_001322	51501	Hs.283322	NM_016401	ENSG00000	HIKESHI	C11orf73|	heat shoc	protein-coding
chr18-799	10.16858	-0.02369	0.734677	-0.03224	0.974278	0.981731	chr18	79973441	79973981	+	0	NA	exon (NM_	exon (NM_	9068	NM_001136	440498	Hs.191582	NM_001136	ENSG00000	HSBP1L1	-	heat shoc	protein-coding
chr19-106	10.16858	-0.02369	0.734677	-0.03224	0.974278	0.981731	chr19	10688235	10689838	+	0	NA	intron (N	intron (N	-12403	NM_031209	81890	Hs.631638	NM_031209	ENSG00000	QTRT1	FP3235|TC	queuine t	protein-coding
chr3-6399	10.16858	-0.02369	0.734677	-0.03224	0.974278	0.981731	chr3	63994770	63996334	+	0	NA	exon (NM_	exon (NM_	-8470	NR_038286	1.01E+08	Hs.152536	NR_038286	ENSG00000	PSMD6-AS2	-	PSMD6 ant	ncRNA
chr9-1337	10.16858	-0.02369	0.734677	-0.03224	0.974278	0.981731	chr9	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	-35024	NM_007101	1757	Hs.198003	NM_007101	ENSG00000	SARDH	BPR-2|DMC	sarcosine	protein-coding
chr6-1472	8.172064	-0.02676	0.832089	-0.03216	0.974346	0.981731	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	L1ME4b|LI	-35079	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 ar	ncRNA
chr16-820	10.65546	-0.02314	0.720995	-0.0321	0.974394	0.981731	chr16	82097859	82099906	+	0	NA	TTS (NM_C	TTS (NM_C	63629	NM_002153	3294	Hs.162795	NM_002153	ENSG00000	HSD17B2	EDH17B2|H	hydroxyst	protein-coding
chr19-233	10.65546	-0.02314	0.720995	-0.0321	0.974394	0.981731	chr19	23381371	23385255	+	0	NA	intron (N	L1PREC2|L	12158	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr1-1208	11.14234	-0.02268	0.709255	-0.03198	0.974487	0.981731	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	8583	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr17-290	6.432988	0.030099	0.94274	0.031927	0.97453	0.981731	chr17	29077847	29078723	+	0	NA	intron (N	AluSx|SIN	-2676	NM_004740	9220	Hs.462590	NM_004740	ENSG00000	TIAF1	MAJN|SPR2	TGFB1-inc	protein-coding
chr17-440	7.247301	-0.02821	0.885455	-0.03186	0.974582	0.981731	chr17	44084830	44085317	+	0	NA	exon (NM_	exon (NM_	14162	NR_028582	92579	Hs.294005	NM_138387	ENSG00000	G6PC3	SCN4|UGRF	glucose-6	protein-coding
chr2-1310	7.247301	-0.02821	0.885455	-0.03186	0.974582	0.981731	chr2	1.31E+08	1.31E+08	+	0	NA	3’ UTR (N	3’ UTR (N	42349	NM_001321	130074	Hs.534679	NM_001009	ENSG00000	FAM168B	MANI	family wi	protein-coding
chr2-4434	11.08549	-0.02166	0.706806	-0.03064	0.975556	0.981731	chr2	44340510	44341009	+	0	NA	intron (N	AluSx1|SI	18990	NM_001042	9581	Hs.444349	NM_006036	ENSG00000	PREPL	CMS22	prolyl er	protein-coding
chr22-408	11.08549	-0.02166	0.706806	-0.03064	0.975556	0.981731	chr22	40825136	40827529	+	0	NA	3’ UTR (N	3’ UTR (N	-6933	NM_001282	10478	Hs.474938	NM_006358	ENSG00000	SLC25A17	PMP34	solute ca	protein-coding
chr1-3942	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr1	39426793	39429431	+	0	NA	exon (NM_	exon (NM_	19039	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-1810	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	18920	NM_005819	10228	Hs.518417	NM_005819	ENSG00000	STX6	-	syntaxin	protein-coding
chr10-893	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr10	89337489	89339366	+	0	NA	intron (N	MLT2B1|LT	5898	NM_001031	3437	Hs.47338	NM_001549	ENSG00000	IFIT3	CIG-49|GA	interferc	protein-coding
chr12-277	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr12	27723834	27725725	+	0	NA	intron (N	intron (N	13947	NM_021821	60488	Hs.714076	NM_021821	ENSG00000	MRPS35	HDCMD11P|	mitochonc	protein-coding
chr16-225	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr16	22505844	22506403	+	0	NA	non-codin	non-codin	1674	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr19-564	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr19	5645307	5648908	+	0	NA	intron (N	intron (N	24024	NM_002967	6294	Hs.728802	NM_002967	ENSG00000	SAFB	HAP|HET|S	scaffold	protein-coding
chr2-1514	9.186964	-0.0235	0.769107	-0.03055	0.975626	0.981731	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	37258	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr1-2403	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	252620	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr14-962	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr14	96258427	96260196	+	0	NA	intron (N	BLACKJACK	3101	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1F	bradykini	protein-coding
chr15-572	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr15	57262291	57265406	+	0	NA	intron (N	Tigger3b|	14809	NR_145748	1.1E+08		NR_145748	ENSG00000	SNORD13D	-	small nuc	snoRNA
chr15-643	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr15	64393852	64398179	+	0	NA	intron (N	AluSx|SIN	8179	NM_001321	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr15-929	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr15	92923353	92930069	+	0	NA	intron (N	intron (N	22312	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr16-696	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr16	69647052	69651626	+	0	NA	intron (N	intron (N	59336	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr16-702	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr16	70273738	70284272	+	0	NA	intron (N	MIR|SINE|	10504	NM_001605	16	Hs.315137	NM_001605	ENSG00000	AARS	CMT2N|EIE	alanyl-tR	protein-coding
chr19-233	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr19	23386240	23389308	+	0	NA	intron (N	AluSq2|SI	7697	NM_003430	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr20-344	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr20	34438701	34446960	+	0	NA	intron (N	AluY|SINE	-23495	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr20-356	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr20	35625029	35626950	+	0	NA	TTS (NM_1	TTS (NM_1	10105	NM_001317	6676	Hs.123159	NM_003116	ENSG00000	SPAG4	CT127|SUN	sperm ass	protein-coding
chr4-3934	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr4	39349497	39351277	+	0	NA	intron (N	L1MEf|LIN	15975	NM_001204	5981	Hs.507475	NM_002913	ENSG00000	RFC1	A1|CANVAS	replicati	protein-coding
chr6-3607	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr6	36077861	36085030	+	0	NA	intron (N	L1MB4|LIN	-49068	NR_072996	5603	Hs.178695	NM_002754	ENSG00000	MAPK13	MAPK 13|M	mitogen-a	protein-coding
chr6-8316	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr6	83165541	83174727	+	0	NA	intron (N	intron (N	23131	NM_001199	5238	Hs.661665	NM_015599	ENSG00000	PGM3	AGM1|IMD2	phosphogl	protein-coding
chr7-3058	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr7	30580585	30582199	+	0	NA	Intergeni	LTR12|LTR	-3613	NR_038889	401320	Hs.561708	NR_038889		GARS-DT	-	GARS dive	ncRNA
chr8-9623	9.673844	-0.02287	0.749089	-0.03053	0.975642	0.981731	chr8	96230514	96233215	+	0	NA	exon (NM_	exon (NM_	3770	NR_045639	7381	Hs.131255	NM_006294	ENSG00000	UQCRB	MC3DN3|QC	ubiquinol	protein-coding
chr1-1863	8.700083	-0.02416	0.792618	-0.03048	0.975683	0.981731	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-10366	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr16-580	8.700083	-0.02416	0.792618	-0.03048	0.975683	0.981731	chr16	58006216	58006958	+	0	NA	intron (N	AluSg|SIN	5180	NM_001204	79650	Hs.408702	NM_024598	ENSG00000	USB1	C16orf57|	U6 snRNA	protein-coding
chr2-1125	8.700083	-0.02416	0.792618	-0.03048	0.975683	0.981731	chr2	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	20884	NM_153712	150465	Hs.358997	NM_153712	ENSG00000	TTL	-	tubulin t	protein-coding
chr3-4463	8.700083	-0.02416	0.792618	-0.03048	0.975683	0.981731	chr3	44631181	44634431	+	0	NA	intron (N	intron (N	7770	NM_006991	10168	Hs.157035	NM_006991	ENSG00000	ZNF197	D3S1363E|	zinc fing	protein-coding
chr3-4740	8.700083	-0.02416	0.792618	-0.03048	0.975683	0.981731	chr3	47407143	47407342	+	0	NA	intron (N	intron (N	26221	NM_001304	25930	Hs.25524	NM_015466	ENSG00000	PTPN23	HD-PTP|HD	protein t	protein-coding
chr1-2289	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr1	22892955	22895551	+	0	NA	intron (N	L2c|LINE|	-31027	NR_036214	1E+08		NR_036214	ENSG00000	MIR4253	-	microRNA	ncRNA
chr1-6668	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr1	66686023	66693510	+	0	NA	intron (N	intron (N	61326	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-6696	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr1	66962573	66967871	+	0	NA	intron (N	intron (N	34966	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-EF	MIER1 tra	protein-coding
chr11-696	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr11	69642320	69654496	+	0	NA	intron (N	intron (N	7303	NM_053056	595	Hs.523852	NM_053056	ENSG00000	CCND1	BCL1|D11S	cyclin D1	protein-coding
chr11-125	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	14544	NM_001278	3703	Hs.504237	NM_152713	ENSG00000	STT3A	ITM1|STT3	STT3 olig	protein-coding
chr12-500	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr12	50090707	50099191	+	0	NA	intron (N	AluSx1|SI	-9059	NM_005276	2819	Hs.524418	NM_005276	ENSG00000	GPD1	GPD-C|GPD	glycerol-	protein-coding
chr12-512	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr12	51240813	51244616	+	0	NA	3’ UTR (N	3’ UTR (N	3888	NM_014764	9802	Hs.369761	NM_014764	ENSG00000	DAZAP2	PRTB	DAZ assoc	protein-coding
chr12-110	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	59323	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr14-345	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr14	34587899	34605207	+	0	NA	intron (N	AluSg|SIN	33595	NR_159358	58533	Hs.276523	NM_021249	ENSG00000	SNX6	MSTP010|T	sorting r	protein-coding
chr14-902	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr14	90259658	90273303	+	0	NA	intron (N	MIR3|SINE	8541	NM_001330	5700	Hs.356654	NM_002802	ENSG00000	PSMC1	P26S4|S4|	proteasom	protein-coding
chr14-914	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr14	91458151	91464061	+	0	NA	intron (N	intron (N	-43286	NM_001080	440193	Hs.525536	NM_001080	ENSG00000	CCDC88C	DAPLE|HKR	coiled-cc	protein-coding
chr14-995	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr14	99500247	99503977	+	0	NA	3’ UTR (N	3’ UTR (N	20703	NM_001099	8812	Hs.510409	NM_003858	ENSG00000	CCNK	CPR4|IDDF	cyclin K	protein-coding
chr15-400	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr15	40017042	40025056	+	0	NA	intron (N	intron (N	18132	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr16-249	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr16	24958419	24970680	+	0	NA	intron (N	intron (N	50820	NM_001006	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-719	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr16	71919914	71926748	+	0	NA	exon (NM_	exon (NM_	27800	NM_001270	9798	Hs.232194	NM_014761	ENSG00000	IST1	CHMP8|OLC	IST1 fact	protein-coding
chr17-152	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr17	15229313	15240429	+	0	NA	TTS (NM_C	TTS (NM_C	16825	NR_039884	1.01E+08		NR_039884	ENSG00000	MIR4731	-	microRNA	ncRNA
chr17-304	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr17	30483433	30490649	+	0	NA	intron (N	L1M5|LINE	9633	NM_001007	9527	Hs.462680	NM_004871	ENSG00000	GOSR1	GOLIM2|GC	golgi SNA	protein-coding
chr17-423	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr17	42321556	42325782	+	0	NA	intron (N	intron (N	35613	NM_001288	6776	Hs.437058	NM_003152	ENSG00000	STAT5A	MGF|STAT5	signal tr	protein-coding
chr19-412	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr19	41268169	41287832	+	0	NA	intron (N	intron (N	12919	NM_001321	11100	Hs.155218	NM_007040	ENSG00000	HNRNPUL1	E1B-AP5|H	heteroger	protein-coding
chr2-1281	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSz6|SI	25458	NR_027671	56886	Hs.743306	NM_020120	ENSG00000	UGGT1	HUGT1|UGC	UDP-gluco	protein-coding
chr2-2025	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr2	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	-78867	NM_173511	150864	Hs.471130	NM_173511	ENSG00000	FAM117B	ALS2CR13	family wi	protein-coding
chr22-395	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr22	39503984	39507365	+	0	NA	intron (N	L2|LINE|L	3444	NR_130790	54471	Hs.728085	NM_013298	ENSG00000	MIEF1	AltMIEF1|	mitochonc	protein-coding
chr3-4333	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr3	43333526	43338586	+	0	NA	intron (N	L1MEd|LIN	15906	NR_046757	1.01E+08	Hs.600984	NR_046757		SNRK-AS1	-	SNRK anti	ncRNA
chr3-4475	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr3	44751032	44754334	+	0	NA	3’ UTR (N	3’ UTR (N	8936	NM_001320	57456	Hs.744955	NM_020696	ENSG00000	KIAA1143	-	KIAA1143	protein-coding
chr4-9987	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr4	99879559	99882173	+	0	NA	non-codin	non-codin	13561	NM_021970	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endc	protein-coding
chr5-3259	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr5	32590922	32595975	+	0	NA	intron (N	intron (N	7891	NM_006713	10923	Hs.229641	NM_006713	ENSG00000	SUB1	P15|PC4|p	SUB1 regu	protein-coding
chr5-6568	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr5	65684202	65685177	+	0	NA	intron (N	AluSz|SIN	37420	NM_019072	54557	Hs.482301	NM_019072	ENSG00000	SGTB	SGT2	small glu	protein-coding
chr5-1275	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	19869	NM_130809	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr5-1507	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	27514	NM_001135	51164	Hs.675564	NM_016221	ENSG00000	DCTN4	DYN4|P62	dynactin	protein-coding
chr6-2822	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr6	28227975	28234280	+	0	NA	intron (N	MER44B|DN	5852	NM_001199	7746	Hs.100921	NM_006299	ENSG00000	ZSCAN9	PRD51|ZNF	zinc fing	protein-coding
chr6-1354	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	MSTA|LTR|	17685	NM_001134	54806	Hs.386684	NM_017651	ENSG00000	AHI1	AHI-1|JBT	Abelson h	protein-coding
chr8-7057	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr8	70572957	70601118	+	0	NA	intron (N	intron (N	20632	NM_001317	23471	Hs.491988	NM_014294	ENSG00000	TRAM1	PNAS8|TRA	transloca	protein-coding
chr8-1335	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	27814	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr8-1439	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr8	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	5935	NM_201384	5339	Hs.434248	NM_000445	ENSG00000	PLEC	EBS1|EBSM	plectin	protein-coding
chr9-9225	10.16072	-0.0223	0.731955	-0.03047	0.975695	0.981731	chr9	92254240	92266157	+	0	NA	exon (NM_	exon (NM_	32349	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr3-4791	9.624846	-0.02314	0.760322	-0.03043	0.975725	0.981731	chr3	47911871	47912253	+	0	NA	intron (N	intron (N	62507	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr1-2467	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	16711	NM_016002	51097	Hs.498397	NM_016002	ENSG00000	SCCPDH	CGI-49|NE	saccharop	protein-coding
chr10-933	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr10	93346290	93353602	+	0	NA	exon (NM_	exon (NM_	132388	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlir	protein-coding
chr15-904	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr15	90468223	90468758	+	0	NA	intron (N	intron (N	-61433	NM_022769	64784	Hs.567572	NM_022769	ENSG00000	CRTC3	TORC-3|TC	CREB regu	protein-coding
chr16-697	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr16	69710109	69726043	+	0	NA	intron (N	intron (N	8484	NM_001025	1728	Hs.406515	NM_000903	ENSG00000	NQO1	DHQU|DIA4	NAD(P)H c	protein-coding
chr17-395	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr17	39530180	39531461	+	0	NA	exon (NM_	exon (NM_	69334	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKF	cyclin de	protein-coding
chr18-352	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr18	35252661	35255381	+	0	NA	exon (NM_	exon (NM_	12987	NM_032347	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr19-111	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr19	1111558	1128149	+	0	NA	intron (N	CpG-12991	12368	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr19-491	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr19	49199357	49203700	+	0	NA	intron (N	LTR10C|LT	43736	NM_017636	54795	Hs.467101	NM_017636	ENSG00000	TRPM4	LTrpC4|PF	transient	protein-coding
chr20-350	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr20	35074866	35077860	+	0	NA	intron (N	L1PA5|LIN	16444	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr22-243	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr22	24313349	24314834	+	0	NA	intron (N	AluYj4|SI	-28017	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr3-9797	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr3	9797758	9807056	+	0	NA	intron (N	AluYm1|SI	-7508	NM_001025	26140	Hs.726435	NM_015644	ENSG00000	TTLL3	HOTTL	tubulin t	protein-coding
chr4-5742	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr4	5742070	5744616	+	0	NA	intron (N	(ATC)n|Si	32142	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr4-8806	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr4	88066930	88068610	+	0	NA	intron (N	intron (N	60135	NR_156488	5311	Hs.181272	NM_000297	ENSG00000	PKD2	APKD2|PC2	polycysti	protein-coding
chr7-7546	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr7	75465073	75467366	+	0	NA	intron (N	L1MB4|LIN	20080	NR_160303	1E+08	Hs.712563	NM_001099	ENSG00000	POM121C	POM121-2	POM121 tr	protein-coding
chr7-7632	10.6476	-0.0218	0.71724	-0.03039	0.975758	0.981731	chr7	76328109	76329873	+	0	NA	3’ UTR (N	3’ UTR (N	26318	NM_001540	3315	Hs.520973	NM_001540	ENSG00000	HSPB1	CMT2F|HEL	heat shoc	protein-coding
chr17-822	11.13448	-0.02136	0.704583	-0.03032	0.975813	0.981731	chr17	82258890	82266972	+	0	NA	intron (N	AluSx|SIN	10769	NM_139062	1453	Hs.631725	NM_001893	ENSG00000	CSNK1D	ASPS|CKI-	casein ki	protein-coding
chr2-1711	11.13448	-0.02136	0.704583	-0.03032	0.975813	0.981731	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSz|SIN	-43369	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr5-7078	12.71713	0.021257	0.70201	0.030281	0.975843	0.981731	chr5	70785962	70786161	+	0	NA	intron (N	AluSz|SIN	-6975	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr6-1664	6.391848	0.027933	0.924881	0.030202	0.975906	0.981731	chr6	1.66E+08	1.66E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-29683	NR_073093	51660	Hs.172755	NM_016098	ENSG00000	MPC1	BRP44L|CC	mitochonc	protein-coding

chr15-649	9.137966	-0.02368	0.784529	-0.03019	0.975916	0.981731	chr15	64979302	64979642	+	0	NA	intron (N	L3|LINE|(	9998	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr5-7214	7.877913	0.025694	0.85383	0.030093	0.975993	0.981731	chr5	72148715	72149116	+	0	NA	intron (N	L2b|LINE|	-20552	NR_039967	1.01E+08		NR_039967	ENSG00000	MIR4803	-	microRNA	ncRNA
chr16-880	5.912826	0.028811	0.961138	0.029976	0.976086	0.981731	chr16	88052302	88053198	+	0	NA	intron (N	(CCA)n|Si	48235	NR_120310	400553	Hs.592071	NR_120310	ENSG00000	LOC400553	-	uncharact	ncRNA
chr20-350	7.726323	-0.02544	0.853724	-0.0298	0.976227	0.981731	chr20	35043473	35043913	+	0	NA	intron (N	MER44A|DN	49114	NM_015638	26133	Hs.168073	NM_015638	ENSG00000	TRPC4AP	C20orf188	transient	protein-coding
chr6-1093	5.863829	0.028343	0.967791	0.029286	0.976636	0.981731	chr6	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	9813	NM_001346	8763	Hs.520313	NM_006016	ENSG00000	CD164	DFNA66|MC	CD164 mol	protein-coding
chr4-7998	7.239443	-0.02592	0.894109	-0.02899	0.976869	0.981731	chr4	79982634	79983006	+	0	NA	intron (N	intron (N	90409	NM_001286	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMC	ANTXR cel	protein-coding
chr3-1978	6.342851	0.027223	0.9419	0.028902	0.976943	0.981731	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	AluSx|SIN	58000	NM_001365	84859	Hs.518414	NM_032773	ENSG00000	LRCH3	-	leucine r	protein-coding
chr21-269	11.56451	-0.02006	0.696586	-0.0288	0.977025	0.981731	chr21	26923577	26924256	+	0	NA	3' UTR (N	3' UTR (N	-30045	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr1-2156	12.10039	-0.01947	0.680177	-0.02862	0.977164	0.981731	chr1	2.16E+08	2.16E+08	+	0	NA	intron (N	L1PA11|LI	45674	NM_001319	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr20-492	11.61351	-0.01974	0.690358	-0.02859	0.97719	0.981731	chr20	49269440	49271563	+	0	NA	exon (NM_	exon (NM_	7556	NM_021035	57169	Hs.371794	NM_021035	ENSG00000	ZNFX1	-	zinc fing	protein-coding
chr20-508	11.61351	-0.01974	0.690358	-0.02859	0.97719	0.981731	chr20	50893873	50894389	+	0	NA	exon (NM_	exon (NM_	15660	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr1-3203	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr1	32032779	32047628	+	0	NA	intron (N	AluSq2|SI	26335	NM_001271	10657	Hs.445893	NM_006559	ENSG00000	KHDRBS1	Sam68|p62	KH RNA bi	protein-coding
chr1-1002	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr1	1E+08	1E+08	+	0	NA	intron (N	AluYm1|SI	5018	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr1-1100	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	10703	NM_001242	10768	Hs.743973	NM_006621	ENSG00000	AHCYL1	DCAL|IRBI	adenosylh	protein-coding
chr1-1617	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr1	1.62E+08	1.62E+08	+	0	NA	intron (N	L1M4|LINE	5438	NM_007240	11266	Hs.416216	NM_007240	ENSG00000	DUSP12	DUSP1|YVH	dual spec	protein-coding
chr10-114	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr10	1.15E+08	1.15E+08	+	0	NA	intron (N	intron (N	25251	NM_001135	57700	Hs.192619	NM_020940	ENSG00000	FAM160B1	KIAA1600|	family wi	protein-coding
chr11-463	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr11	46319849	46321117	+	0	NA	exon (NM_	exon (NM_	-12443	NM_201532	8525	Hs.502461	NM_003646	ENSG00000	DGKZ	DAGK5|DAC	diacylgly	protein-coding
chr11-477	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr11	47756429	47765439	+	0	NA	intron (N	intron (N	6407	NM_001318	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-655	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr11	65526335	65528934	+	0	NA	intron (N	AluSx1|SI	2551	NM_001048	57410	Hs.238839	NM_020680	ENSG00000	SCYL1	GKLP|HT01	SCY1 like	protein-coding
chr12-374	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr12	374048	385166	+	0	NA	intron (N	intron (N	9713	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr17-352	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr17	35259459	35266281	+	0	NA	intron (N	AluJb|SIN	19798	NM_144975	162394	Hs.585792	NM_144975	ENSG00000	SLFN5	-	schlafen	protein-coding
chr22-408	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr22	40845907	40850284	+	0	NA	intron (N	Charlie5|	8544	NM_003932	6767	Hs.712713	NM_003932	ENSG00000	ST13	AAG2|FAM1	ST13 Hsp7	protein-coding
chr3-9439	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr3	9439503	9452007	+	0	NA	intron (N	intron (N	48055	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-1280	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr3	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSg7|SI	4532	NM_013336	29927	Hs.518236	NM_013336	ENSG00000	SEC61A1	HNFJ4|HSE	SEC61 tra	protein-coding
chr5-6956	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr5	69564362	69568775	+	0	NA	intron (N	intron (N	6323	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr5-1324	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	AluSq2|SI	5634	NM_001354	3659	Hs.436061	NM_002198	ENSG00000	IRF1	IRF-1|MAR	interfero	protein-coding
chr5-1360	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	12389	NM_000358	7045	Hs.369397	NM_000358	ENSG00000	TGFBI	BIGH3|CDB	transform	protein-coding
chr5-1493	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr5	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	4197	NM_152407	134266	Hs.511816	NM_152407	ENSG00000	GRPEL2	Mt-GrpE#2	GrpE like	protein-coding
chr6-1113	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	MER47A|DN	49164	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr7-6698	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr7	66987267	66993901	+	0	NA	intron (N	intron (N	5002	NM_016038	51119	Hs.110445	NM_016038	ENSG00000	SBDS	CGI-97|SD	SBDS ribo	protein-coding
chr8-1245	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	Tigger1|D	5250	NM_005005	4715	Hs.15977	NM_005005	ENSG00000	NDUFB9	B22|CI-B2	NADH:ubiq	protein-coding
chr9-3568	10.63975	-0.02046	0.71586	-0.02859	0.977194	0.981731	chr9	35682224	35688826	+	0	NA	exon (NM_	exon (NM_	4400	NM_001301	7169	Hs.300772	NM_003289	ENSG00000	TPM2	AMCD1|DA1	tropomyos	protein-coding
chr1-6667	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr1	66679239	66681012	+	0	NA	intron (N	intron (N	51685	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr12-563	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr12	56341523	56358044	+	0	NA	intron (N	AluSx|SIN	10324	NM_198332	6773	Hs.530595	NM_005419	ENSG00000	STAT2	IMD44|ISG	signal tr	protein-coding
chr12-950	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr12	95001014	95001213	+	0	NA	intron (N	AluJo|SIN	2584	NM_018838	55967	Hs.506374	NM_018838	ENSG00000	NDUFA12	B17.2|DAP	NADH:ubiq	protein-coding
chr19-584	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr19	58414990	58423436	+	0	NA	TTS (NR_1	TTS (NR_1	10539	NM_001318	201514	Hs.439551	NM_173548	ENSG00000	ZNF584	-	zinc fing	protein-coding
chr2-1053	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	30228	NM_001286	79074	Hs.549577	NM_024093	ENSG00000	C2orf49	asw	chromosom	protein-coding
chr2-2304	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	L1PA8A|LI	69538	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr3-1790	11.12663	-0.02007	0.702167	-0.02858	0.977196	0.981731	chr3	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	4849	NM_152240	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr13-325	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr13	32536282	32536773	+	0	NA	exon (NM_	exon (NM_	2268	NM_014887	10443	Hs.507680	NM_014887	ENSG00000	N4BP2L2	92M18.3|C	NEDD4 bin	protein-coding
chr13-945	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr13	94580384	94583476	+	0	NA	intron (N	AluSp|SIN	14222	NM_001304	23483	Hs.12393	NM_014305	ENSG00000	TGDS	CATMANS|S	TDP-gluco	protein-coding
chr13-114	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-7323	NR_039724	1.01E+08		NR_039724	ENSG00000	MIR4502	-	microRNA	ncRNA
chr15-484	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr15	48429322	48438338	+	0	NA	intron (N	intron (N	101633	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr16-851	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr16	85182365	85186039	+	0	NA	Intergeni	Intergeni	-23594	NR_162142	1.13E+08		NR_162142		MIR12128	-	microRNA	ncRNA
chr17-161	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr17	16112581	16121115	+	0	NA	intron (N	Charlie1a	36348	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-579	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr19	57907471	57914600	+	0	NA	intron (N	AluSq2|SI	5557	NM_001297	147687	Hs.567710	NM_152475	ENSG00000	ZNF417	-	zinc fing	protein-coding
chr2-8532	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr2	85320100	85326568	+	0	NA	intron (N	AluSx1|SI	4655	NM_001368	10618	Hs.593382	NM_006464	ENSG00000	TGOLN2	TGN38|TGN	trans-gol	protein-coding
chr5-7350	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr5	73500135	73506028	+	0	NA	exon (NM_	exon (NM_	4656	NM_001037	689	Hs.591768	NM_001207	ENSG00000	BTF3	BETA-NAC|	basic tra	protein-coding
chr8-4783	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr8	47830144	47830800	+	0	NA	intron (N	MIRc|SINE	-92308	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr8-1254	10.15287	-0.02091	0.731751	-0.02858	0.977201	0.981731	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	1904	NM_001282	10221	Hs.444947	NM_025195	ENSG00000	TRIB1	C8FW|GIG-	tribbles	protein-coding
chr10-133	10.59075	-0.02077	0.727846	-0.02853	0.977236	0.981731	chr10	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-11788	NM_001164	101	Hs.501574	NM_001109	ENSG00000	ADAM8	CD156|CD1	ADAM meta	protein-coding
chr1-2378	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr1	23785743	23788565	+	0	NA	intron (N	intron (N	-3991	NM_007260	11313	Hs.533479	NM_007260	ENSG00000	LYPLA2	APT-2|APT	lysophosp	protein-coding
chr1-2432	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	52460	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr10-997	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr10	99743239	99745838	+	0	NA	intron (N	intron (N	-11872	NM_001320	1355	Hs.28326	NM_004376	ENSG00000	COX15	CEMCOX2	cytochrom	protein-coding
chr11-660	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr11	6609729	6611766	+	0	NA	3' UTR (N	3' UTR (N	1469	NM_006284	6881	Hs.5158	NM_006284	ENSG00000	TAF10	TAF2A|TAF	TATA-box	protein-coding
chr11-776	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr11	77667211	77668212	+	0	NA	intron (N	AluSx3|SI	-29905	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr13-414	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr13	41459557	41462568	+	0	NA	intron (N	intron (N	3512	NM_014059	28984	Hs.507866	NM_014059	ENSG00000	RGCC	C13orf15|	regulator	protein-coding
chr14-348	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr14	34804810	34805581	+	0	NA	intron (N	MSTA|LTR|	-68996	NR_160776	1.12E+08	Hs.509140	NR_160776		LOC112268	-	uncharact	ncRNA
chr17-384	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr17	3843318	3843654	+	0	NA	intron (N	AluJo|SIN	2760	NM_001114	55421	Hs.120963	NM_018553	ENSG00000	NCBP3	C17orf85|	nuclear c	protein-coding
chr19-488	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr19	48844297	48847172	+	0	NA	intron (N	AluSx1|SI	-9243	NM_016246	51171	Hs.18788	NM_016246	ENSG00000	HSD17B14	DHRS10|SD	hydroxyst	protein-coding
chr3-1723	9.665986	-0.0214	0.750242	-0.02853	0.977239	0.981731	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	114159	NM_004122	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr15-505	9.179106	-0.02192	0.771851	-0.0284	0.977339	0.981738	chr15	50573957	50575141	+	0	NA	intron (N	intron (N	-27883	NM_203494	373509	Hs.677758	NM_203494	ENSG00000	USP50	-	ubiquitin	protein-coding
chr2-1118	9.179106	-0.02192	0.771851	-0.0284	0.977339	0.981738	chr2	11185197	11185856	+	0	NA	intron (N	AluSq2|SI	30059	NM_001282	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr6-5650	9.179106	-0.02192	0.771851	-0.0284	0.977339	0.981738	chr6	56501017	56502100	+	0	NA	exon (NM_	exon (NM_	-107430	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FF	collagen	protein-coding
chr8-1723	9.179106	-0.02192	0.771851	-0.0284	0.977339	0.981738	chr8	17236628	17237819	+	0	NA	exon (NM_	exon (NM_	9235	NM_001322	29883	Hs.587465	NM_013354	ENSG00000	CNOT7	CAF-1|CAF	CCR4-NOT	protein-coding
chr11-917	8.692225	-0.02244	0.797264	-0.02815	0.977543	0.981896	chr11	9172471	9172862	+	0	NA	intron (N	THE1C|LTR	78303	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr13-253	8.692225	-0.02244	0.797264	-0.02815	0.977543	0.981896	chr13	25308028	25309018	+	0	NA	intron (N	AluJb|SIN	6898	NM_014089	9818	Hs.507537	NM_014089	ENSG00000	NUP58	NUP45|NUP	nucleopor	protein-coding
chr14-731	11.17562	-0.01985	0.715784	-0.02773	0.977881	0.9822	chr14	73159846	73160213	+	0	NA	intron (N	AluJb|SIN	23522	NM_007318	5663	Hs.3260	NM_000021	ENSG00000	PSEN1	ACNINV3|A	presenili	protein-coding
chr11-183	10.20186	-0.02055	0.741968	-0.02769	0.977909	0.9822	chr11	18325989	18326403	+	0	NA	intron (N	intron (N	3629	NM_005316	2965	Hs.577202	NM_005316	ENSG00000	GTF2H1	BTF2|P62|	general t	protein-coding
chr7-1004	7.357751	0.024219	0.874891	0.027682	0.977916	0.9822	chr7	1E+08	1E+08	+	0	NA	intron (N	(CAGAGG)n	-3118	NM_001004	402573	Hs.632306	NM_001004	ENSG00000	C7orf61	-	chromosom	protein-coding
chr19-552	6.399706	0.025394	0.935956	0.027132	0.978355	0.982525	chr19	55230997	55231247	+	0	NA	promoter-	promoter-	-170	NR_106862	1.02E+08		NR_106862	ENSG00000	MIR6804	hsa-mir-6	microRNA	ncRNA
chr16-696	12.57941	-0.01807	0.668416	-0.02704	0.97843	0.982525	chr16	69654931	69657562	+	0	NA	intron (N	AluSx|SIN	52429	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr11-532	91.38673	-0.00874	0.324319	-0.02696	0.978493	0.982525	chr11	53205009	53205217	+	0	NA	Intergeni	ALR/Alpha	1398885	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-171	5.392664	0.026933	0.999265	0.026953	0.978497	0.982525	chr11	17109087	17109922	+	0	NA	intron (N	intron (N	-31837	NM_001017	6207	Hs.446588	NM_001017	ENSG00000	RPS13	S13	ribosomal	protein-coding
chr4-8706	5.392664	0.026933	0.999265	0.026953	0.978497	0.982525	chr4	870656	871618	+	0	NA	intron (N	intron (N	-45008	NM_006651	10815	Hs.478930	NM_006651	ENSG00000	CPLX1	CPX-I|CPX	complexin	protein-coding
chr10-779	11.11877	-0.0188	0.701953	-0.02678	0.978638	0.982525	chr10	7799264	7805974	+	0	NA	intron (N	intron (N	14442	NM_001001	509	Hs.271135	NM_005174	ENSG00000	ATP5F1C	ATP5C|ATP	ATP synth	protein-coding
chr13-244	11.11877	-0.0188	0.701953	-0.02678	0.978638	0.982525	chr13	24423705	24426850	+	0	NA	intron (N	AluJb|SIN	87501	NM_006437	143	Hs.744855	NM_006437	ENSG00000	PARP4	ADPRTL1|A	poly(ADP-	protein-coding
chr14-230	11.11877	-0.0188	0.701953	-0.02678	0.978638	0.982525	chr14	23058797	23069419	+	0	NA	exon (NM_	exon (NM_	-6570	NM_022478	64403	Hs.155912	NM_022478	ENSG00000	CDH24	CDH11L	cadherin	protein-coding
chr14-582	11.11877	-0.0188	0.701953	-0.02678	0.978638	0.982525	chr14	58263979	58265245	+	0	NA	TTS (NR_0	TTS (NR_0	19769	NM_002788	5684	Hs.558799	NM_002788	ENSG00000	PSMA3	HC8|PSC3	proteasom	protein-coding
chr1-2369	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr1	23692524	23705817	+	0	NA	Intergeni	Intergeni	7364	NM_000975	6135	Hs.719951	NM_000975	ENSG00000	RPL11	DBA7|GIG3	ribosomal	protein-coding
chr11-108	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr11	10852938	10856118	+	0	NA	exon (NM_	exon (NM_	3525	NM_021211	58486	Hs.655066	NM_021211	ENSG00000	ZBED5	Buster1	zinc fing	protein-coding
chr15-589	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr15	58926431	58929514	+	0	NA	intron (N	intron (N	5707	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr17-638	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr17	63817080	63825915	+	0	NA	exon (NM_	exon (NM_	-5934	NM_002805	5705	Hs.79387	NM_002805	ENSG00000	PSMC5	S8|SUG-1|	proteasom	protein-coding
chr2-2310	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	13578	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr20-499	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr20	49943763	49947081	+	0	NA	exon (NM_	exon (NM_	9025	NM_018683	55905	Hs.144949	NM_018683	ENSG00000	RNF114	PSORS12|Z	ring fing	protein-coding
chr3-1236	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L2c|LINE|	-17915	NM_053032	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1699	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	MLT1J|LTR	16794	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr6-1493	10.63189	-0.01913	0.716821	-0.02669	0.978704	0.982525	chr6	1.49E+08	1.49E+08	+	0	NA	promoter-	promoter-	100	NM_001002	387082	Hs.657168	NM_001002	ENSG00000	SUMO4	IDDM5|SMT	small ubi	protein-coding
chr11-104	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr11	10493429	10495807	+	0	NA	intron (N	intron (N	13708	NR_039705	1.01E+08		NR_039705	ENSG00000	MIR4485	mir-4485	microRNA	ncRNA
chr11-577	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr11	57743239	57745160	+	0	NA	TTS (NM_1	TTS (NM_1	2708	NM_170746	280636	Hs.655373	NM_170746	ENSG00000	SELENOH	C11orf31|	selenopro	protein-coding
chr4-1126	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr4	1.13E+08	1.13E+08	+	0	NA	TTS (NR_0	TTS (NR_0	384	NR_029860	442912		NR_029860	ENSG00000	MIR367	MIRN367|h	microRNA	ncRNA
chr6-1458	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr6	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	9267	NM_001348	84085	Hs.421095	NM_032145	ENSG00000	FBXO30	Fbx30	F-box pro	protein-coding
chr7-7550	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr7	75500789	75501392	+	0	NA	intron (N	AluJr|SIN	7463	NM_001306	442590	Hs.632298	NM_001099	ENSG00000	SPDYE5	-	speedy/RI	protein-coding
chr8-1280	10.14501	-0.01951	0.734066	-0.02658	0.978798	0.982525	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	1877	NR_031611	1E+08		NR_031611	ENSG00000	MIR1206	MIRN1206|	microRNA	ncRNA
chr8-3812	9.658128	-0.0199	0.75414	-0.02639	0.978948	0.982652	chr8	38128746	38129863	+	0	NA	intron (N	L1ME2z|LI	21648	NM_000349	6770	Hs.521535	NM_000349	ENSG00000	STAR	STARD1	steroidog	protein-coding
chr19-551	12.14153	-0.01811	0.688142	-0.02632	0.979004	0.982685	chr19	55102822	55104061	+	0	NA	exon (NM_	exon (NM_	14196	NM_017607	54776	Hs.631579	NM_017607	ENSG00000	PPP1R12C	AAVS1|LEN	protein p	protein-coding
chr20-337	11.16777	-0.01853	0.708747	-0.02615	0.979141	0.982753	chr20	33753275	33754066	+	0	NA	intron (N	intron (N	21674	NM_001282	84905	Hs.516989	NM_032819	ENSG00000	ZNF341	HIES3	zinc fing	protein-coding
chr14-306	10.68089	-0.01883	0.72164	-0.02609	0.979187	0.982753	chr14	30658405	30658817	+	0	NA	intron (N	AluSx|SIN	36292	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr4-5338	10.68089	-0.01883	0.72164	-0.02609	0.979187	0.982753	chr4	53384056	53384779	+	0	NA	intron (N	AluSx1|SI	6764	NM_001134	81608	Hs.555109	NM_030917	ENSG00000	FIP1L1	FIP1|Rhe|	factor in	protein-coding
chr10-573	9.171248	-0.02029	0.777636	-0.02609	0.979188	0.982753	chr10	5731073	5731905	+	0	NA	intron (N	AluSx|SIN	46651	NM_001321	54906	Hs.610717	NM_017782	ENSG00000	TASOR2	C10orf18|	transcrip	protein-coding
chr13-237	9.171248	-0.02029	0.777636	-0.02609	0.979188	0.982753	chr13	23797821	23798870	+	0	NA	intron (N	intron (N	-90523	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr4-7814	9.707126	-0.01956	0.754141	-0.02594	0.979307	0.982848	chr4	7814553	7815272	+	0	NA	intron (N	L1ME1|LIN	57396	NM_001371090								
chr1-9315	9.220245	-0.01997	0.774628	-0.02578	0.979432	0.982951	chr1	93157660	93159468	+	0	NA	intron (N	intron (N	21849	NM_001167	50999	Hs.482873	NM_016040	ENSG00000	TMED5	CGI-100|p	transmemb	protein-coding
chr13-467	8.733365	-0.02038	0.79876	-0.02551	0.979649	0.983145	chr13	46723297	46725308	+	0	NA	intron (N	FRAM|SINE	72859	NM_001984	2098	Hs.432491	NM_001984	ENSG00000	ESD	FGH	esterase	protein-coding
chr2-8555	11.59779	-0.01728	0.689922	-0.02505	0.980017	0.983491	chr2	85550919	85551443	+	0	NA	intron (N	intron (N	10312	NM_001142	2677	Hs.77719	NM_000821	ENSG00000	GGCX	VKCFD1	gamma-glu	protein-coding
chr12-107	10.62403	-0.01779	0.720157	-0.0247	0.980291	0.983696	chr12	10711516	10715839	+	0	NA	intron (N	intron (N	9646	NM_003651	8531	Hs.221889	NM_003651	ENSG00000	YBX3	CSDA|CSDA	Y-box bin	protein-coding
chr18-300	10.62403	-0.01779	0.720157	-0.0247	0.980291	0.983696	chr18	3003823	3005285	+	0	NA	intron (N	intron (N	7393	NM_014646	9663	Hs.132342	NM_014646	ENSG00000	LPIN2	-	lipin 2	protein-coding
chr6-3062	10.62403	-0.01779	0.720157	-0.0247	0.980291	0.983696	chr6	30628246	30628539	+	0	NA	exon (NM_	exon (NM_	1518	NM_001031	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr19-483	11.64679	-0.01703	0.692176	-0.0246	0.980375	0.98375	chr19	4837940	4844937	+	0	NA	intron (N	L1MB7|LIN	-9696	NM_182919	148022	Hs.29344	NM_014261	ENSG00000	TICAM1	IIAE6|MyD	toll like	protein-coding
chr16-681	11.15991	-0.01724	0.704078	-0.02449	0.980461	0.98375	chr16	681783	683291	+	0	NA	non-codin	non-codin	1797	NR_136651	339123	Hs.533771	NM_001005	ENSG00000	JMJD8	C16orf20|	jumonji c	protein-coding
chr16-554	11.15991	-0.01724	0.704078	-0.02449	0.980461	0.98375	chr16	55487848	55492059	+	0	NA	intron (N	intron (N	8396	NM_001127	4313	Hs.513617	NM_004530	ENSG00000	MMP2	CLG4|CLG4	matrix me	protein-coding
chr22-292	11.15991	-0.01724	0.704078	-0.02449	0.980461	0.98375	chr22	29290648	29300696	+	0	NA	intron (N	intron (N	-11351	NM_152236	10634	Hs.322852	NM_006478	ENSG00000	GAS2L1	GAR22	growth ar	protein-coding
chr9-3306	11.15991	-0.01724	0.704078	-0.02449	0.980461	0.98375	chr9	33060023	33061998	+	0	NA	intron (N	intron (N	15664	NM_018225	55234	Hs.655351	NM_018225	ENSG00000	SMU1	BWD|SMU-1	SMU1 DNA	protein-coding
chr11-722	10.67303	-0.0175	0.717884	-0.02438	0.980546	0.983788	chr11	72236758	72238174	+	0	NA	exon (NM_	exon (NM_	6710	NM_005169	401	Hs.731115	NM_005169	ENSG00000	PHOX2A	ARIX|CFEO	paired li	protein-coding
chr19-395	10.67303	-0.0175	0.717884	-0.02438	0.980546	0.983788	chr19	3958440	3968554	+	0	NA	intron (N	intron (N	-1985	NR_030367	693222		NR_030367	ENSG00000	MIR637	MIRN637|h	microRNA	ncRNA
chr19-192	6.358567	0.022801	0.936694	0.024342	0.98058	0.983789	chr19	1924794	1925022	+	0	NA	3' UTR (N	3' UTR (N	-16264	NM_001319	1455	Hs.651905	NM_001319	ENSG00000	CSNK1G2	CK1g2	casein ki	protein-coding
chr1-1553	7.759605	-0.02097	0.861925	-0.02432	0.980594	0.983789	chr1	15535430	15535924	+	0	NA	intron (N	AluJb|SIN	-6489	NR_135613	1.07E+08		NR_135613	ENSG00000	SCARNA21B	-	small Ca	ncRNA
chr1-2086	10.18615	-0.0178	0.733917	-0.02425	0.980649	0.983798	chr1	20864279	20865005	+	0	NA	exon (NM_	exon (NM_	-77954	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr6-7594	10.18615	-0.0178	0.733917	-0.02425	0.980649	0.983798	chr6	7594657	7595647	+	0	NA	intron (N	intron (N	4954	NM_152551	154007	Hs.13366	NM_152551	ENSG00000	SNRNP48	C6orf151|	small nuc	protein-coding
chr15-780	9.65027	-0.01834	0.760921	-0.0241	0.980772	0.983897	chr15	78029134	78030110	+	0	NA	intron (N	L1MC5|LIN	-35397	NR_026998	91450	Hs.406766	NR_026998		LOC91450	-	uncharact	ncRNA
chr1-1847	9.699268	-0.01812	0.752589	-0.02407	0.980795	0.983897	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	intron (N	35055	NM_001319	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr3-3152	9.212387	-0.01843	0.774438	-0.0238	0.981016	0.984096	chr3	3152639	3153220	+	0	NA	non-codin	non-codin	25989	NR_159940	51095	Hs.732725	NM_016000	ENSG00000	TRNT1	CCA1|CGI-	tRNA nucl	protein-coding
chr7-4202	9.16339	-0.01856	0.786689	-0.0236	0.981175	0.984232	chr7	42023343	42023567	+	0	NA	intron (N	intron (N	213754	NM_000168	2737	Hs.21509	NM_000168	ENSG00000	GLI3	ACLS|GCPS	GLI famil	protein-coding

chr15-25	8.725507	-0.0187	0.800179	-0.02337	0.981354	0.984388	chr15	25087615	25087814	+		0	NA	promoter-	promoter-	53	NR_003334	1E+08		NR_003334	ENSG0000	SNORD116-	HBII-85-	small nuc	snoRNA
chr10-12	11.10305	-0.01624	0.708184	-0.02293	0.981709	0.984548	chr10	12028819	12029508	+		0	NA	exon (NM_	exon (NM_	13646	NM_01554	26019	Hs. 37068	NM_01554	ENSG0000	UPF2	HUPF2|RE	UPF2 reg	protein-coding
chr17-28	11.63893	-0.01579	0.688846	-0.02292	0.981714	0.984548	chr17	28658521	28660186	+		0	NA	intron (	SVA_A|Ret	2553	NM_00692	6388	Hs. 51403	NM_00692	ENSG0000	SDF2	-	stromal	protein-coding
chr2-241	11.63893	-0.01579	0.688846	-0.02292	0.981714	0.984548	chr2	2.41E+08	2.41E+08	+		0	NA	intron (	intron (	-13409	NM_00128	9855	Hs. 72631	NM_01480	ENSG0000	FARP2	FIR|FRG|	FERM, AR	protein-coding
chr1-145	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr1	1.46E+08	1.46E+08	+		0	NA	TTS (NM_	TTS (NM_	36881	NM_001371359								
chr1-200	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr1	2.01E+08	2.01E+08	+		0	NA	intron (	L1PA13|LI	-36584	NM_00529	2848	Hs. 53431	NM_00529	ENSG0000	GPR25	-	G protei	protein-coding
chr14-527	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr14	52717764	52722814	+		0	NA	intron (	AluJr|SI	-9877	NM_00113	6815	Hs. 36498	NM_145251	ENSG0000	STYX	-	serine/t	protein-coding
chr16-844	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr16	84485012	84498090	+		0	NA	intron (	AluSz|SI	13108	NM_020947	57707	Hs. 288274	NM_020947	ENSG0000	MEAK7	KIAA1609|	MTOR ass	protein-coding
chr17-80	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr17	80356191	80366089	+		0	NA	intron (	(CATGCAA)	-54027	NR_148041	284131	Hs. 38967	NM_173627	ENSG0000	ENDOV	-	endonucl	protein-coding
chr2-241	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr2	2.41E+08	2.41E+08	+		0	NA	intron (	intron (	8877	NM_00132	3069	Hs. 471851	NM_00533	ENSG0000	HDLBP	HBP|PRO2	high den	protein-coding
chr2-241	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr2	2.41E+08	2.41E+08	+		0	NA	intron (	intron (	-6406	NM_00128	9855	Hs. 72631	NM_01480	ENSG0000	FARP2	FIR|FRG|	FERM, AR	protein-coding
chr3-1841	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr3	1.84E+08	1.84E+08	+		0	NA	exon (NM_	exon (NM_	-5100	NM_01835	55324	Hs. 36132	NM_01835	ENSG0000	ABCF3	EST201864	ATP bindi	protein-coding
chr8-102	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr8	1.02E+08	1.02E+08	+		0	NA	intron (	L1MEf|LI	26835	NR_12541	1.02E+08	Hs. 49244	NR_12541	ENSG0000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-333	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr9	33337193	33349440	+		0	NA	intron (	Charlie1|	52800	NM_147134	4799	Hs. 413074	NM_002504	ENSG0000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-125	11.15205	-0.01597	0.701665	-0.02276	0.981841	0.984548	chr9	1.25E+08	1.25E+08	+		0	NA	intron (	THE1B|LT	89486	NM_00133	26130	Hs. 42376	NM_01563	ENSG0000	GAPVD1	GAPEX5|G	GTPase ac	protein-coding
chr1-193	10.66517	-0.01618	0.716503	-0.02259	0.981981	0.984595	chr1	1.93E+08	1.93E+08	+		0	NA	intron (	intron (	-49939	NM_00378	8707	Hs. 518834	NM_00378	ENSG0000	B3GALT2	BETA3GAL	beta-1,3-	protein-coding
chr10-11	10.66517	-0.01618	0.716503	-0.02259	0.981981	0.984595	chr10	1.12E+08	1.12E+08	+		0	NA	exon (NM_	exon (NM_	12553	NM_022494	64429	Hs. 19699	NM_022494	ENSG0000	ZDHHC6	DHHC-6|Z	zinc fin	protein-coding
chr19-14	10.66517	-0.01618	0.716503	-0.02259	0.981981	0.984595	chr19	14514181	14516554	+		0	NA	3’ UTR (	3’ UTR (	2495	NM_00130	3337	Hs. 51521	NM_00614	ENSG0000	DNAJB1	HSPF1|Hd	DnaJ heat	protein-coding
chr22-35	10.66517	-0.01618	0.716503	-0.02259	0.981981	0.984595	chr22	35263330	35266147	+		0	NA	non-codi	non-codi	7245	NM_00136	10042	Hs. 58881	NM_005487	ENSG0000	HMGXB4	HMG2L1|H	HMG-box	protein-coding
chr15-437	10.17829	-0.01641	0.733713	-0.02237	0.982156	0.984654	chr15	43792723	43796643	+		0	NA	promoter-	promoter-	-924	NR_03169	1E+08		NR_03169	ENSG0000	MIR1282	MIRN1282|	microRNA	ncRNA
chr15-997	10.17829	-0.01641	0.733713	-0.02237	0.982156	0.984654	chr15	99710448	99711263	+		0	NA	intron (	intron (	22582	NM_001284	145748	Hs. 56256	NM_15244	ENSG0000	LYSMD4	-	LysM dom	protein-coding
chr2-134	10.17829	-0.01641	0.733713	-0.02237	0.982156	0.984654	chr2	1.34E+08	1.34E+08	+		0	NA	intron (	L1PA3|LI	78290	NM_00241	4249	Hs. 4988	NM_00241	ENSG0000	MGAT5	GNT-V|GN	alpha-1,	protein-coding
chr7-1394	10.17829	-0.01641	0.733713	-0.02237	0.982156	0.984654	chr7	1.39E+08	1.39E+08	+		0	NA	intron (	intron (	24256	NR_03399	1E+08	Hs. 74444	NR_033999		LOC10012	-	uncharact	ncRNA
chr8-424	10.17829	-0.01641	0.733713	-0.02237	0.982156	0.984654	chr8	42431481	42433110	+		0	NA	intron (	Tigger1|	40415	NM_00566	7419	Hs. 699301	NM_00566	ENSG0000	VDAC3	HD-VDAC3|	voltage	protein-coding
chr11-74	10.12929	-0.01658	0.746642	-0.02221	0.982282	0.984757	chr11	74078043	74078600	+		0	NA	exon (NM_	exon (NM_	-69084	NM_02280	7352	Hs. 101337	NM_00335	ENSG0000	UCP3	SLC25A9	uncoupli	protein-coding
chr10-61	9.69141	-0.01663	0.753747	-0.02207	0.982394	0.984776	chr10	61940211	61942717	+		0	NA	intron (	intron (	39765	NM_03219	84159	Hs. 535297	NM_03219	ENSG0000	ARID5B	DESRT|MR	AT-rich i	protein-coding
chr17-62	9.69141	-0.01663	0.753747	-0.02207	0.982394	0.984776	chr17	62680003	62680246	+		0	NA	intron (	CpG	-26082	NR_14788	1.05E+08	Hs. 44626	NR_14788	ENSG0000	LOC105371	-	uncharact	ncRNA
chr2-114	9.69141	-0.01663	0.753747	-0.02207	0.982394	0.984776	chr2	11451959	11453357	+		0	NA	intron (	intron (	13503	NR_10349	1876	Hs. 60309	NM_19825	ENSG0000	E2F6	E2F-6	E2F tran	protein-coding
chr5-150	9.69141	-0.01663	0.753747	-0.02207	0.982394	0.984776	chr5	1.5E+08	1.5E+08	+		0	NA	intron (	intron (	40840	NR_10996	1436	Hs. 58621	NM_005211	ENSG0000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr1-248	9.204529	-0.01682	0.777196	-0.02164	0.982733	0.985068	chr1	2.49E+08	2.49E+08	+		0	NA	intron (	intron (	7494	NM_02483	79894	Hs. 521151	NM_02483	ENSG0000	ZNF672	-	zinc fin	protein-coding
chr2-2381	9.204529	-0.01682	0.777196	-0.02164	0.982733	0.985068	chr2	2.38E+08	2.38E+08	+		0	NA	intron (	intron (	18365	NM_03076	80895	Hs. 92033	NM_03076	ENSG0000	ILKAP	ILKAP2|I	ILK asso	protein-coding
chr11-647	12.11795	-0.01445	0.675598	-0.02139	0.982932	0.985177	chr11	64764240	64777359	+		0	NA	intron (	intron (	6962	NM_00117	7536	Hs. 50282	NM_00463	ENSG0000	SF1	BBP|D11S	splicing	protein-coding
chr7-116	12.11795	-0.01445	0.675598	-0.02139	0.982932	0.985177	chr7	1.17E+08	1.17E+08	+		0	NA	intron (	intron (	-36365	NM_00136	7982	Hs. 368131	NM_01841	ENSG0000	ST7	ETS7q|FA	suppressi	protein-coding
chr16-144	5.887402	0.020722	0.977207	0.021205	0.983082	0.985177	chr16	1446484	1446884	+		0	NA	exon (NM_	exon (NM_	-2195	NM_00114	645811	Hs. 35523	NM_00114	ENSG0000	CCDC154	C16orf29	coiled-c	protein-coding
chr16-15	11.63107	-0.01456	0.687598	-0.02118	0.983102	0.985177	chr16	15003698	15007596	+		0	NA	intron (	intron (	4750	NR_036054	1E+08		NR_036054	ENSG0000	MIR1972-1	MIR1972|	microRNA	ncRNA
chr18-46	11.63107	-0.01456	0.687598	-0.02118	0.983102	0.985177	chr18	46079349	46095138	+		0	NA	intron (	intron (	11053	NM_001001	498	Hs. 29828	NM_00404	ENSG0000	ATP5F1A	ATP5A|AT	ATP synt	protein-coding
chr21-38	11.63107	-0.01456	0.687598	-0.02118	0.983102	0.985177	chr21	38809577	38823976	+		0	NA	intron (	intron (	10847	NM_00523	2114	Hs. 644231	NM_00523	ENSG0000	ETS2	ETS2IT1	ETS prot	protein-coding
chr5-553	11.63107	-0.01456	0.687598	-0.02118	0.983102	0.985177	chr5	55300094	55302950	+		0	NA	intron (	AluSp|SI	6172	NM_00134	54505	Hs. 59326	NM_01903	ENSG0000	DHX29	DDX29	DExH-box	protein-coding
chr5-5454	8.717649	-0.01693	0.804853	-0.02104	0.983217	0.985177	chr5	54543338	54544134	+		0	NA	3’ UTR (	3’ UTR (	25977	NM_00110	112574	Hs. 43275	NM_05287	ENSG0000	SNX18	SH3PX2|S	sorting	protein-coding
chr1-8421	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr1	84218976	84219757	+		0	NA	intron (	AluSq2|SI	37734	NM_00124	5567	Hs. 48732	NM_002731	ENSG0000	PRKACB	PKA C-bet	protein	protein-coding
chr10-68	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr10	68020761	68022364	+		0	NA	intron (	AluSp|SI	-10679	NR_131184	1E+08		NR_131184		POU5F1P5	Oct4-pg5	POU clas	pseudo
chr11-144	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr11	14469314	14498684	+		0	NA	intron (	L1MC4a|LI	15859	NM_016451	1315	Hs. 33927	NM_016451	ENSG0000	COPB1	COPB	coatomer	protein-coding
chr11-121	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr11	1.21E+08	1.21E+08	+		0	NA	intron (	intron (	14171	NM_001024	6309	Hs. 28774	NM_00691	ENSG0000	SC5D	ERG3|S5D	sterol-C	protein-coding
chr14-52	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr14	52034461	52042601	+		0	NA	intron (	intron (	30528	NM_007361	22795	Hs. 36984	NM_007361	ENSG0000	NID2	NID-2	nidogen	protein-coding
chr14-551	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr14	55138240	55146681	+		0	NA	intron (	intron (	5477	NR_00322	3958	Hs. 531081	NM_00230	ENSG0000	LGALS3	CBP35|GA	galectin	protein-coding
chr15-43	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr15	43356819	43369894	+		0	NA	intron (	MIRb|SIN	6704	NM_15245	146050	Hs. 418287	NM_15245	ENSG0000	ZSCAN29	ZNF690|Z	zinc fin	protein-coding
chr17-767	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr17	76717737	76725345	+		0	NA	intron (	(AAAAC)n|	5065	NM_001081	23210	Hs. 51450	NM_015167	ENSG0000	JMJD6	PSR|PTDS	jumonji	protein-coding
chr18-59	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr18	59343847	59355816	+		0	NA	intron (	intron (	9434	NM_00557	3998	Hs. 46529	NM_00557	ENSG0000	LMAN1	ERGIC-53|	lectin,	protein-coding
chr2-6187	11.14419	-0.0147	0.70145	-0.02095	0.983282	0.985177	chr2	61870641	61873933	+		0	NA	exon (NM_	exon (NM_	16369	NM_00643	10575	Hs. 42150	NM_00643	ENSG0000	CCT4	CCT-DELT	chaperoni	protein-coding
chr14-55	6.894444	0.019571	0.934154	0.020951	0.983285	0.985177	chr14	55312757	55312956	+		0	NA	intron (	THE1D-int	40702	NM_152231	55030	Hs. 52534	NM_01794	ENSG0000	FBXO34	CGI-301|	F-box pr	protein-coding
chr1-120	14.05762	-0.01327	0.638382	-0.02079	0.983411	0.985268	chr1	1.21E+08	1.21E+08	+		0	NA	intron (	intron (	-97675	NR_00324	767846	Hs. 65718	NR_00324	ENSG0000	PFN1P2	C1orf152|	profilin	pseudo
chr1-225	12.16695	-0.01425	0.687796	-0.02071	0.983475	0.985268	chr1	2.26E+08	2.26E+08	+		0	NA	intron (	intron (	-88730	NM_19444	3930	Hs. 43516	NM_00229	ENSG0000	LBR	C14SR|DH	lamin B	protein-coding
chr12-104	10.65731	-0.01484	0.717464	-0.02069	0.983493	0.985268	chr12	1.04E+08	1.04E+08	+		0	NA	intron (	intron (	23729	NM_01332	29915	Hs. 50655	NM_01332	ENSG0000	HCFC2	HCF-2|HC	host cell	protein-coding
chr13-19	10.65731	-0.01484	0.717464	-0.02069	0.983493	0.985268	chr13	19850382	19851953	+		0	NA	intron (	AluSq2|SI	12469	NM_00103	9205	Hs. 53098	NM_01424	ENSG0000	ZMYM5	HSPC050|	zinc fin	protein-coding
chr16-69	10.65731	-0.01484	0.717464	-0.02069	0.983493	0.985268	chr16	69694803	69697588	+		0	NA	TTS (NM_1	TTS (NM_1	12480	NR_14575	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr11-331	10.17043	-0.01498	0.736031	-0.02036	0.983758	0.985487	chr11	33140138	33142603	+		0	NA	TTS (NM_	TTS (NM_	20110	NM_00132	1479	Hs. 44402	NM_00132	ENSG0000	CSTF3	CSTF-77	cleavage	protein-coding
chr2-144	10.17043	-0.01498	0.736031	-0.02036	0.983758	0.985487	chr2	1.44E+08	1.44E+08	+		0	NA	3’ UTR (	3’ UTR (	-56258	NM_001354	79712	Hs. 44780	NM_02465	ENSG0000	GTDC1	Hmat-Xa|	glycosylt	protein-coding
chr3-5171	8.230769	-0.0169	0.837776	-0.02017	0.983909	0.985615	chr3	5171298	5171604	+		0	NA	intron (	AluSq2|SI	-16256	NM_014674	9695	Hs. 22461	NM_014674	ENSG0000	EDEM1	EDEM	ER degra	protein-coding
chr7-1487	9.683552	-0.01509	0.757656	-0.01992	0.984109	0.985791	chr7	1.49E+08	1.49E+08	+		0	NA	intron (	intron (	90219	NM_00120	2146	Hs. 44408	NM_00445	ENSG0000	EZH2	ENX-1|EN	enhancer	protein-coding
chr3-184	12.1101	-0.01328	0.675377	-0.01966	0.984318	0.985977	chr3	1.84E+08	1.84E+08	+		0	NA	intron (	intron (	2346	NR_00305	692107		NR_00305	ENSG0000	SNORD66	HBII-142	small nuc	snoRNA
chr1-945	11.62321	-0.01334	0.688409	-0.01938	0.98454	0.98613	chr1	94506356	94508533	+		0	NA	intron (	L1PA3|LI	34315	NM_00199	2152	Hs. 62192	NM_00199	ENSG0000	F3	CD142|TF|	coagulati	protein-coding
chr12-12	11.62321	-0.01334	0.688409	-0.01938	0.98454	0.98613	chr12	1.2E+08	1.2E+08	+		0	NA	non-codi	non-codi	7021	NM_00376	8683	Hs. 70688	NM_00376	ENSG0000	SRSF9	SFRS9|SR	serine a	protein-coding
chr7-747	11.62321	-0.01334	0.688409	-0.01938	0.98454	0.98613	chr7	74732599	74742493	+		0	NA	intron (	intron (	-8628	NR_110044	1.02E+08	Hs. 65477	NR_110044	ENSG0000	LOC10192	-	uncharact	ncRNA
chr14-345	9.732549	-0.01469	0.76066	-0.01931	0.984591	0.986158	chr14	34534816	34536107	+		0	NA	intron (	AluY|SIN	4240	NM_01845	55837	Hs. 43326	NM_01845	ENSG0000	EAPP	BM036|C14	E2F asso	protein-coding
chr10-31	11.13633	-0.01341	0.703435	-0.01907	0.984789	0.986238	chr10	31360924	31364463	+		0	NA	3’ UTR (	3’ UTR (	37062	NM_00136	1.01E+08	Hs. 730227	NM_001368169		LOC10050	-	putative	protein-coding
chr13-37	11.13633	-0.01341	0.703435	-0.01907	0.984789	0.986238	chr13	37006689	37009753	+		0	NA	intron (	intron (	7435	NM_18150	11340	Hs. 294041	NM_18150	ENSG0000	EXOSC8	CIP3|EAP	exosome	protein-coding
chr15-424	11.13633	-0.01341	0.703435	-0.01907	0.984789	0.986238	chr15	42449972	42452160	+		0	NA	exon (NM_	exon (NM_	6501	NM_02247	64397	Hs. 51114	NM_02247	ENSG0000	ZNF106	SH3BP3|Z	zinc fin	protein-coding
chr15-484	11.13633	-0.01341	0.703435	-0.01907	0.984789	0.986238	chr15	48483198	48493206	+		0	NA	exon (NM_	exon (NM_	156005	NM_00194	1854	Hs. 52798	NM_00194	ENSG0000	DUT	dUTPase	deoxyuri	protein-coding
chr9-1114	11.13633	-0.01341	0.703435	-0.01907	0.984789	0.986238	chr9	1.11E+08	1.11E+08	+		0	NA	intron (	MER11A|LT	-71603	NM_20585	26248	Hs. 38131	NM_20585	ENSG0000	OR2K2	HSHTPCRH	olfactory	protein-coding
chr1-178	10.69845	-0.01318	0.72103	-0.01827	0.985421	0.986849	chr1	1.79E+08	1.79E+08	+		0	NA	intron (	intron (	-16606	NM_00467	9068	Hs. 591474	NM_00467	ENSG0000	ANGPTL1	ANG3|ANG	angiopoi	protein-coding
chr4-2457	12.58912	-0.0121	0.664754	-0.0182	0.985481	0.986884	chr4	24574915	24576681	+		0	NA	intron (	intron (	8756	NM_00135	1665	Hs. 696074	NM_00135	ENSG0000	DHX15	DBP1|DDX1	DEAH-box	protein-coding
chr16-29	10.60046	-0.01352	0.74576	-0.01812	0.98554	0.986921	chr16	29554222	29554534	+		0	NA	intron (	intron (	40714	NR_13530	440354	Hs. 55270	NR_002473		SMG1P2	-	SMG1 pse	pseudo
chr10-864	10.21157	-0.01323	0.738602	-0.01791	0.985713	0.987047	chr10	86454889	86455677	+		0	NA	intron (	SVA_B|Ret	66501	NM_00131	23063	Hs. 20309	NM_01504	ENSG0000	WAPL	FOE|KIAA	WAPL coh	protein-coding
chr5-131	10.21157	-0.01323	0.738602	-0.01791	0.985713	0.987047	chr5	1.32E+08	1.32E+08	+		0	NA	intron (	L1MC2|LI	-55075	NM_001164	51735	Hs. 48332	NM_01634	ENSG0000	RAPGEF6	KIA001LB|	Rap guani	protein-coding
chr9-3744	11.61536	-0.0121	0.691303	-0.01751	0.986032	0.987343	chr9	37441825	37442442	+		0	NA	exon (NM_	exon (NM_	19437	NM_01220	9380	Hs. 15574	NM_01220	ENSG0000	GRHPR	GLXR|GLY	glyoxylat	protein-coding
chr15-84	4.888218	0.018248	1.064357	0.017144	0.986322	0.987619	chr15	84636732	84637269	+		0	NA	intron (	AluYh3|SI	5540	NR_00485	54581	Hs. 658114	NM_022050		SCAND2P	SCAND2	SCAN dom	pseudo
chr20-53	11.12848	-0.0121	0.707675	-0.01709	0.986362	0.987627	chr20	53579475	53582886	+		0	NA	intron (	intron (	1917	NM_00652	7764	Hs. 15504	NM_00652	ENSG0000	ZNF217	ZABC1	zinc fin	protein-coding
chr4-143	9.237811	-0.01319	0.783166	-0.01684	0.986566	0.987803	chr4	1.43E+08	1.43E+08	+		0	NA	intron (	intron (	-73308	NM_003601	8467	Hs. 55842	NM_003601	ENSG0000	SMARCA5	ISWI|SNF	SWI/SNF	protein-coding
chr4-1218	13.06814	-0.01102	0.655529	-0.01681	0.986585	0.987803	chr4	1.22E+08	1.22E+08	+		0	NA	intron (	L1MA5A|LI	3443	NM_176824	55212	Hs. 591694	NM_01819	ENSG0000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr17-46	10.69059	-0.01186	0.719646	-0.01647	0.986856	0.988051	chr17	46556019	46556298	+		0	NA	TTS (NM_	TTS (NM_	23554	NM_00133	1.01E+08	Hs. 55925	NM_00103	ENSG0000	ARL17B	ARL17|AR	ADP ribo	protein-coding
chr9-1312	12.63026	-0.01072	0.663964	-0.01615	0.987115	0.988287	chr9	1.31E+08	1.31E+08	+		0	NA	intron (	MER11B|LT	21846	NM_00131	8021	Hs. 65453	NM_00508	ENSG0000	NUP214	CAIN|CAN	nucleopo	protein-coding
chr2-199	10.20371	-0.01183	0.738398	-0.01602	0.987222	0.98837	chr2	2E+08	2E+08	+		0	NA	non-codi	non-codi	21513	NM_15368	205327	Hs. 154494	NM_15368	ENSG0000	C2orf69	-	chromoso	protein-coding
chr5-347	10.15472	-0.01196	0.748622	-0.01597	0.987256	0.98838	chr5	34733470	34733945	+		0	NA	intron (	intron (	46148	NM_00114	26064	Hs. 43140	NM_015577	ENSG0000	RAI14	NORPEG|R	retinoic	protein-coding
chr15-101	12.14338	-0.01067	0.67526	-0.01581	0.987389	0.98849	chr15	1.01E+08	1.01E+08	+		0	NA	3’ UTR (	3’ UTR (	4825	NM_20347	55829	Hs. 32148	NM_01844	ENSG0000	SELENOS	AD-015|A	selenopr	protein-coding
chr1-203	11.6565	-0.01063	0.688272	-0.01545	0.987677	0.988692	chr1	2.04E+08	2.04E+08	+		0	NA	intron (	intron (	6064	NM_001174	1E+08		NM_001174	ENSG0000	ZBED6	MGR	zinc fin	protein-coding
chr16-15	11.6565	-0.01063	0.688272	-0.01545	0.987677	0.988692	chr16	15081095	15086348	+		0	NA	intron (	AluSp|SI	10614	NM_001301	54700	Hs. 46007	NM_018427	ENSG0000	RRN3	A-270G1.	RRN3 hom	protein-coding
chr4-1684	11.6565	-0.01063	0.688272	-0.01545	0.987677	0.988692	chr4	1.68E+08	1.68E+08	+		0	NA	intron (	AluSq2|SI	9678	NM_001291	91351	Hs. 535011	NM_00101	ENSG0000	DDX60L	-	DExD/H-b	protein-coding
chr22-20	9.716833	-0.01174	0.760265	-0.01544	0.987684	0.988692	chr22	20804622	20804850	+		0	NA	intron (	intron (	30623	NM_00018	3053	Hs. 47427	NM_00018	ENSG0000	SERPIND1	D22S673|	serpin f	protein-coding
chr2-962	9.667836	-0.01176	0.774385	-0.01518	0.987887	0.98872	chr2	96298051	96298460	+		0	NA	intron (	intron (	7291	NM_014014	23020	Hs. 24611	NM_014014	ENSG0000	SNRNP200	ASCC3L1|	small nuc	protein-coding
chr19-18	5.375098	0.014948	1.030282	0.014508	0.988425	0.989374	chr19	18306983	18307182	+		0	NA	3’ UTR (	3’ UTR (	15994	NM_012321	25804	Hs. 51525	NM_012321	ENSG0000	LSM4	GRP|YER11	LSM4 hom	protein-coding
chr5-136	12.6224	-0.00959	0.662825	-0.01447	0.988459	0.989374	chr5	1.36E+08	1.36E+08	+		0	NA	intron (	intron (	18403	NR_03058	1E+08		NR_03058	ENSG0000	VTRNA2-1	CBL-3|CB	vault RN	ncRNA
chr5-1387	12.6224	-0.00959	0.662825	-0.01447	0.988459	0.989374	chr5	1.39E+08	1.39E+08	+		0	NA	intron (	AluSp|SI	-5177	NR_134244	1.05E+08	Hs. 445981	NR_134244	ENSG0000	LOC10537	-	uncharact	ncRNA
chr19-374	11.21861	-0.01016	0.71478	-0.01422	0.988654	0.989545	chr19	37471151	37471366	+		0	NA	intron (	AluY|SIN	1687	NM_001321	148268	Hs. 12696	NM_144694	ENSG0000	ZNF570	-	zinc fin	protein-coding
chr12-791	12.13552	-0.0095	0.675039	-0.01407	0.988774	0.989572	chr12	7918931	7934641	+		0	NA	intron (	intron (	9401	NM_006931	6515	Hs. 41924	NM_006931	ENSG0000	SLC2A3	GLUT3	solute c	protein-coding
chr16-32	12.13552	-0.0095	0.675039	-0.01407	0.988774	0.989572	chr16	3285790	3292829	+		0	NA	intron (	intron (	5818	NM_005741	10127	Hs. 61147	NM_005741	ENSG0000	ZNF263	FPM315|Z	zinc fin	protein-coding
chr3-172	12.13552	-0.0095	0.675039	-0.01407	0.988774	0.989572	chr3	1.72E+08	1.72E+08	+		0	NA	intron (	intron (	94871	NM_00412	2693	Hs. 13021	NM_00412	ENSG0000	GHSR	GHDP	growth h	protein-coding
chr5-139	12.13552	-0.0095	0.675039	-0.01407	0.988774	0.989572	chr5	1.39E+08	1.39E+08	+		0	NA	exon (NM_	exon (NM_	-19921	NR_10983	51247	Hs. 396644	NM_01648	ENSG0000	PAIP2	PAIP-2|P	poly(A)	protein-coding
chr5-528	11.64864	-0.0094	0.689083	-0.01364	0.989117	0.989886	chr5	52801886	52802667	+		0	NA	3’ UTR (	3’ UTR (	14360	NM_181501	3672	Hs. 64435	NM_181501	ENSG0000	ITGA1	CD49a|VL	integrin	protein-coding
chr15-897	14.12418	-0.00874	0.641586	-0.01362	0.989135	0.989886	chr15	89795851	89799656	+		0	NA	intron (	intron (	17099	NM_00115	290	Hs. 1239	NM_00115	ENSG0000	ANPEP	APN|CD13|	alanyl a	protein-coding
chr4-101	11.16176	-0.00928	0.705261	-0.01315	0.989506	0.990234	chr4	1.01E+08	1.01E+08	+		0	NA	intron (	L1PA7|LI	147934	NR_10703	1.02E+08		NR_10703	ENSG0000	MIR8066	hsa-mir-	microRNA	ncRNA
chr2-200	12.61454	-0.00845	0.663516	-0.01274	0.989835	0.99054	chr2	2.01E+08	2.01E+08	+		0	NA	intron (	intron (	5733	NM_001207	9689	Hs. 35598	NM_01467	ENSG0000	BZW1	BZAP45|N	basic le	protein-coding
chr1-4284	12.66354	-0.00821	0.667648	-0.01229	0.990194	0.990876	chr1	42849658	42852449	+		0	NA	exon (NM_	exon (NM_	4440	NM_00124	51058	Hs. 20879	NM_015911	ENSG0000	ZNF691	Zfp691	zinc fin	protein-coding
chr3-172	10.72388	-0.00875	0.726757	-0.01204	0.990391	0.991049	chr3	1.72E+08	1.72E+08	+		0	NA	intron (	Charlie2	118646	NM_00412	2693	Hs. 13021	NM_00412	ENSG0000	GHSR	GHDP	growth h	protein-coding
chr8-1799	13.58044	-0.00767	0.6425	-0.01193	0.990478	0.991112	chr8	17993656	17996317	+		0	NA	intron (	L1MA2|LI	71998	NM_00135	5108	Hs. 49114	NM_006197	ENSG0000	PCM1	PTC4|RET/	pericent	protein-coding
chr4-394	13.09356	-0.00749	0.653481	-0.01147	0.990852	0.991463	chr4	39451673	39457862	+		0	NA	intron (	intron (	4181	NM_001024	6133	Hs. 41237	NM_000661	ENSG0000	RPL9	L9|NPC-A-	ribosomal	protein-coding
chr1-162	13.14256	-0.00727	0.653952	-0.01111	0.991133	0.991721	chr1	16293	18435	+		0	NA	promoter-	promoter-	72	NR_12872	1.04E+08		NR_12872	ENSG0000	MIR6859-4	hsa-mir-	microRNA	ncRNA
chr15-664	12.60668	-0.00731	0.666054	-0.01097	0.991247	0.991787	chr15	66498512	66503699	+		0	NA	TTS (NR_	TTS (NR_	213	NR_00244	595100		NR_00244	ENSG0000	SNORD18C	U18C	small nuc	snoRNA
chr22-507	12.60668	-0.00731	0.666054	-0.01097	0.991247	0.991787	chr22	50798787	50800745	+		0	NA	TTS (NR_	TTS (NR_	16037	NR_02698	284942	Hs. 40613	NM_203302		RPL23AP8	RPL23A_4	ribosomal	pseudo
chr16-22	12.1688	-0.00688	0.676969	-0.01016	0.991892	0.99241	chr16	22528406	22528888	+		0	NA	intron (	AluSx|SI	15124	NM_00113	1E+08	Hs. 61107	NM_00113	ENSG0000	NPIPB5	-	nuclear	protein-coding
chr3-526	11.63292	-0.00684	0.697027	-0.00982	0.992165	0.992659	chr3	52668005	52682007	+		0	NA	intron (	AluJb|SI	17493	NM_00135	55193	Hs. 18992	NM_01816	ENSG0000	PBRM1	BAF180|P	polybrom	protein-coding
chr5-121	9.742257	-0.00665	0.770022	-0.00863	0.99311	0.993581	chr5	1.22E+08	1.22E+08	+		0	NA	intron (	L1PA2|LI	33593	NM_15254	153443	Hs. 10762	NM_15254	ENSG0000	SRFBP1	BUD22|P4	serum re	protein-coding
chr21-437	12.16094	-0.0057	0.676748	-0.00842	0.993278	0.993726	chr21	43773026	43774672	+		0	NA	3’ UTR (	3’ UTR (	2526	NM_00010	1476	Hs. 695	NM_00010	ENSG0000	CSTB	CPI-B|CS	cystatin	protein-coding
chr3-123	13.61373	-0.00533	0.64089	-0.00832	0.993358	0.993782	chr3	1.24E+08	1.24E+08	+		0	NA	intron (	L1MA5A|LI	56525	NM_05302	4638	Hs. 47737	NM_00596	ENSG0000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr12-104	13.12685	-0.00508	0.651764	-0.0078	0.99378	0.99418	chr12	1.04E+08	1.04E+08	+		0	NA	intron (	AluSz|SI	18638	NM_00100	493861	Hs. 659857	NM_00100	ENSG0000	EID3	NS4EB|NS	EP300 int	protein-coding
chr17-392	12.63996	-0.00481	0.664211	-0.00724	0.994225	0.994602	chr17	39201335	39205359	+		0	NA	intron (	AluSc8|SI	3024	NM_00133	6143	Hs. 381061	NM_000981	ENSG0000	RPL19	L19	ribosomal	protein-coding
chr11-119	11.18718	-0.00507	0.70945	-0.00714	0.994301	0.994655	chr11	11903405	11903604	+		0	NA	intron (	MIR3|SIN	62081	NM_00133	55031	Hs. 57725	NM_017944	ENSG0000	USP47	TRFP	ubiquiti	protein-coding
chr19-963	13.60587	-0.00428	0.641483	-0.00667	0.994681	0.994969	chr19	963025	973617	+		0	NA	intron (	AluY|SIN	-16007	NM_02410	57418	Hs. 325321	NM_02410	ENSG0000	WDR18	Ipi3|R321	WD repeat	protein-coding
chr1-394	12.15308	-0.0045	0.678472	-0.00663	0.99471	0.994969	chr1	39451899	39453127	+		0	NA	intron (	intron (	-39123	NM_18180	353500	Hs. 472497	NM_18180	ENSG0000	BMP8A	-	bone mor	protein-coding
chr22-40	12.15308	-0.0045	0.678472	-0.00663	0.99471	0.994969	chr22	40315062	40315700	+		0	NA	exon (NM_	exon (NM_	-31119	NM_00136	158	Hs. 75527	NM_00002	ENSG0000	ADSL	AMPS|ASA	adenylos	protein-coding
chr9-410	12.15308	-0.0045	0.678472	-0.00663	0.99471	0.994969	chr9	41006968	41009878	+		0	NA	intron (	AluJr4|SI	16162	NR_03400	1E+08	Hs. 231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr10-67	11.22832	-0.00339	0.714311	-0.00474	0.996217	0.996453	chr10	67887544	67887843	+		0	NA	intron (	AluSp|SI	2512	NM_00114	23411	Hs. 36977	NM_01223	ENSG0000	SIRT1	SIR2|SIR	sirtuin 1	protein-coding
chr16-22	14.56391	-0.00285	0.624656	-0.00456	0.996362	0.996574	chr16	22527188	22527538	+		0	NA	intron (	AluSg7|SI	13840	NM_00113	1E+08	Hs. 61107	NM_00113	ENSG0000	NPIPB5	-	nuclear	protein-coding
chr12-65	15.58852	0.002487	0.604117	0.004117	0.996715	0.996904	chr12	6535133	6538748	+		0	NA	exon (NM_	exon (NM_	1676	NM_00125	2597	Hs. 544577	NM_00204	ENSG0000	GAPDH	G3PD|GAP	glyceral	protein-coding

chr14-556	15.09193	-0.00202	0.612748	-0.00329	0.997375	0.997541	chr14	55618840	55621237	+	0	NA	intron (N	THE1B-int	39831	NM_001079	3895	Hs.509414	NM_004986	ENSG0000C	KTN1	CG1|KNT|M	kinectin	protein-coding
chr10-172	15.59638	0.001554	0.603674	0.002574	0.997947	0.998065	chr10	17229905	17237920	+	0	NA	exon (NM_	exon (NM_	-3927	NR_108061	1.01E+08	Hs.740502	NR_108060	ENSG0000C	VIM-AS1	-	VIM antis	ncRNA
chr9-1014	15.59638	0.001554	0.603674	0.002574	0.997947	0.998065	chr9	1.01E+08	1.01E+08	+	0	NA	intron (N	L2c|LINE|	6219	NM_001278	7743	Hs.50123	NM_003452	ENSG0000C	ZNF189	-	zinc fing	protein-coding
chr8-9451	13.15227	-0.00156	0.653377	-0.00238	0.998098	0.998192	chr8	94511164	94511678	+	0	NA	exon (NM_	exon (NM_	-36306	NM_001205	25788	Hs.30561	NM_006550	ENSG0000C	RAD54B	RDH54	RAD54 hom	protein-coding
chr10-377	14.11817	-0.00128	0.631062	-0.00203	0.998377	0.998448	chr10	3777691	3784528	+	0	NA	intron (N	intron (N	4100	NR_027653	1316	Hs.4055	NM_001300	ENSG0000C	KLF6	BCD1|CBA1	Kruppel l	protein-coding
chr19-578	15.11736	0.001056	0.612732	0.001724	0.998625	0.998651	chr19	57853305	57868708	+	0	NA	3' UTR (N	3' UTR (N	-6754	NR_144562	1.01E+08	Hs.654820	NR_144562		UBE2CP5	-	ubiquitir	pseudo
chr11-107	15.08407	-0.00105	0.612516	-0.00172	0.998627	0.998651	chr11	10796252	10807860	+	0	NA	promoter-	promoter-	-448	NR_004403	692223	Hs.723086	NR_004403	ENSG0000C	SNORD97	U97	small nuc	snoRNA
chr20-505	12.65753	6.04E-05	0.669384	9.02E-05	0.999928	0.999928	chr20	50548513	50548935	+	0	NA	intron (N	L1MEi|LIN	-37062	NR_030375	693230		NR_030375	ENSG0000C	MIR645	MIRN645|h	microRNA	ncRNA

Supplementary Information

Supplementary Table 8. Genome-wide profiling of differential peaks between senescent cells and counterparts exposed to ML324 (ChIP-seq for H3K9me3).

geneID	baseMea	log2Fold	lfcSE	stat	pvalue	padj	Chr	Start	End	Strand	Peak S	Focus	Annotatio	Detailed	Distance	Nearest P	Entrez ID	Nearest U	Nearest R	Nearest E	Gene Na	Gene Alia	Gene Des	Gene Type
chr16-463	1337.821	0.957639	0.124498	7.691982	1.45E-14	2.36E-11	chr16	46385249	46391418	+	0	NA	Intergeni	Intergeni	180764	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr13-182	155.23	1.667866	0.217572	7.665826	1.78E-14	2.36E-11	chr13	18211764	18212397	+	0	NA	intron (N	HSATI|Sat	16783	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr16-463	1994.26	0.920954	0.121511	7.57916	3.48E-14	3.08E-11	chr16	46394248	46395191	+	0	NA	Intergeni	Intergeni	174378	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr16-345	977.4214	0.933407	0.129949	7.182895	6.83E-13	3.73E-10	chr16	34576209	34576651	+	0	NA	Intergeni	(AATGGACT	-194950	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr16-345	985.1891	0.934876	0.13022	7.179219	7.01E-13	3.73E-10	chr16	34581384	34583827	+	0	NA	Intergeni	Intergeni	-201125	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr16-345	398.8351	1.111615	0.175359	6.33908	2.31E-10	1.03E-07	chr16	34592600	34596135	+	0	NA	Intergeni	(ATGATTCC	-212887	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr3-9347	19119.9	0.746191	0.119444	6.247216	4.18E-10	1.59E-07	chr3	93470447	93470718	+	0	NA	Intergeni	SAR|Satel	503499	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr16-345	460.984	0.955031	0.158226	6.03587	1.58E-09	5.26E-07	chr16	34584711	34588633	+	0	NA	Intergeni	Intergeni	-205192	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr4-7390	208.1846	1.267215	0.159423	5.998106	2.68E-09	7.86E-07	chr4	73906089	73906784	+	0	NA	Intergeni	L1PA3|LIN	37043	NM_001511	2919	Hs.789	NM_001511	ENSG00000	CXCL1	FSP|GRO1|	C-X-C mot	protein-coding
chr21-792	216.0886	1.127218	0.189427	5.950681	2.67E-09	7.90E-07	chr21	7924944	7926545	+	0	NA	Intergeni	(ATTCCATT	-96112	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr1-1251	2923.842	0.69986	0.118592	5.9014	3.60E-09	9.59E-07	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	(ATTCCATT	3662312	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-7459	70.92159	1.580935	0.266207	5.883871	1.57E-08	3.81E-06	chr4	74597145	74598143	+	0	NA	Intergeni	THE1B-int	152508	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr21-823	77.82138	1.600935	0.283207	5.652871	1.58E-08	3.82E-06	chr21	8238242	8239161	+	0	NA	intron (N	CpG	-10804	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr21-846	80.48769	1.519568	0.277522	5.475478	4.36E-08	9.68E-06	chr21	8465906	8466762	+	0	NA	Intergeni	CpG	25188	NR_145822	1.07E+08		NR_145822		RNA28SN1	RNA28S4	RNA, 28S	rRNA
chr16-345	369.4686	0.860628	0.15846	5.4312	5.60E-08	1.15E-05	chr16	34571570	34574179	+	0	NA	Intergeni	(GAATG)n|	-191394	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr22-187	67.48959	1.697298	0.317163	5.351505	8.72E-08	1.66E-05	chr22	18730403	18730687	+	0	NA	Intergeni	AluSc8|SI	-3369	NR_136561	642643		NR_136561	ENSG00000	FAM230E	LINC01662	family wi	ncRNA
chr19-745	78.96977	1.471225	0.277574	5.300306	1.16E-07	2.05E-05	chr19	7450649	7451088	+	0	NA	intron (N	intron (N	11180	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr18-106	598.889	0.755311	0.144577	5.224293	1.75E-07	2.91E-05	chr18	106751	110983	+	0	NA	promoter-	promoter-	-198	NR_033770	727758	Hs.585843	NR_033770	ENSG00000	ROCK1P1	ROCK1P	Rho assoc	pseudo
chr4-7461	565.6883	0.74311	0.139761	5.201193	1.78E-07	2.97E-05	chr4	74616713	74616924	+	0	NA	Intergeni	AluYg6|SI	171682	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr22-188	58.06839	1.666498	0.329684	5.054834	4.31E-07	6.74E-05	chr22	18896273	18896495	+	0	NA	Intergeni	AluSc8|SI	-1953	NR_136571	1.01E+08	Hs.631668	NR_136571		FAM230F	LINC01663	family wi	ncRNA
chr22-126	220.3159	0.911259	0.185055	4.924263	8.47E-07	0.000125	chr22	12691998	12692698	+	0	NA	Intergeni	BSR/Beta|	794942	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr16-345	209.8437	0.885876	0.187485	4.725048	2.30E-06	0.000311	chr16	34590197	34590971	+	0	NA	Intergeni	Intergeni	-209104	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr1-1432	954.515	0.618264	0.131109	4.715658	2.41E-06	0.000311	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	190305	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr10-388	105.5385	1.152831	0.24467	4.71178	2.46E-06	0.000311	chr10	38814066	38814283	+	0	NA	Intergeni	(TTCCA)n|	117578	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1432	539.7323	0.693613	0.148042	4.685239	2.80E-06	0.000327	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	220714	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-841	83.01365	1.25844	0.268731	4.682901	2.83E-06	0.000327	chr21	8417753	8421618	+	0	NA	Intergeni	(CT)n|Sim	-12845	NR_128716	1.04E+08		NR_128716	ENSG00000	MIR6724-3	hsa-mir-6	microRNA	ncRNA
chr5-4965	201.9791	0.88438	0.191229	4.624706	3.75E-06	0.000416	chr5	49656727	49661851	+	0	NA	Intergeni	(TCCAT)n|	781999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrY-1130	154.9628	0.959134	0.209637	4.575216	4.76E-06	0.000491	chrY	11308780	11309700	+	0	NA	Intergeni	BSR/Beta|	1112350	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr4-7449	442.1046	0.782491	0.146344	4.438981	4.80E-06	0.000491	chr4	74498802	74499010	+	0	NA	Intergeni	L1M2|LINE	53770	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr1-1431	456.4059	0.728491	0.159443	4.568982	4.90E-06	0.000491	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	228599	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr1-1432	859.2624	0.61188	0.134027	4.565351	4.99E-06	0.000491	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	205034	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr1-1432	861.5436	0.60632	0.133534	4.540562	5.61E-06	0.000533	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	159146	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-846	81.33793	1.214809	0.270321	4.493945	6.99E-06	0.000642	chr21	8462267	8464656	+	0	NA	Intergeni	CpG	22315	NR_145822	1.07E+08		NR_145822		RNA28SN1	RNA28S4	RNA, 28S	rRNA
chr4-1901	435.2916	0.661489	0.151437	4.368082	1.25E-05	0.001089	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	BSR/Beta|	4915	NM_001293	1E+08	Hs.728749	NM_001205	ENSG00000	DUX4	DUX4L	double ho	protein-coding
chr21-841	83.19381	1.176564	0.269522	4.36537	1.27E-05	0.001089	chr21	8413209	8414866	+	0	NA	Intergeni	(GA)n|Sim	17111	NR_146154	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr21-823	85.05329	1.166188	0.271275	4.298908	1.72E-05	0.001427	chr21	8231679	8232093	+	0	NA	intron (N	intron (N	-17619	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr21-823	81.11978	1.155908	0.269441	4.29002	1.79E-05	0.001441	chr21	8234470	8237329	+	0	NA	intron (N	intron (N	-13606	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr21-840	73.74251	1.204897	0.281842	4.275081	1.91E-05	0.001495	chr21	8405311	8412113	+	0	NA	intron (N	AluSp|SIN	11786	NR_146154	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr1-1432	577.4927	0.604137	0.141846	4.259108	2.05E-05	0.00156	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	168322	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr20-283	320.6279	0.694768	0.163754	4.24275	2.21E-05	0.001632	chr20	28307999	28308331	+	0	NA	Intergeni	ALR/Alpha	294500	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-840	70.13687	1.227001	0.291119	4.214769	2.50E-05	0.001798	chr21	8404085	8404462	+	0	NA	intron (N	intron (N	7347	NR_146154	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr21-822	82.20783	1.116461	0.268376	4.160058	3.18E-05	0.002228	chr21	8222866	8230598	+	0	NA	intron (N	L1PREC2|L	12844	NR_146148	1.1E+08		NR_146148		RNA28SN2	-	RNA, 28S	rRNA
chr22-121	134.0812	0.923503	0.22307	4.139972	3.47E-05	0.00237	chr22	12173887	12178839	+	0	NA	Intergeni	ACRO1|Sat	278957	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-844	79.89867	1.106993	0.270821	4.087539	4.36E-05	0.0029	chr21	8448309	8460588	+	0	NA	Intergeni	AluSz|SIN	13302	NR_145822	1.07E+08		NR_145822		RNA28SN1	RNA28S4	RNA, 28S	rRNA
chr2-1128	906.6111	0.593362	0.162792	4.094312	4.91E-05	0.003135	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	L1PA7|LIN	-21552	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr4-4970	910.6145	0.575619	0.141799	4.05939	4.92E-05	0.003138	chr4	49709342	49711782	+	0	NA	Intergeni	SAR|Satel	723920	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr10-133	112.4006	0.956648	0.235752	4.057854	4.95E-05	0.003138	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	BSR/Beta|	-136477	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr1-1432	350.7837	0.713568	0.176512	4.042608	5.29E-05	0.003271	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	183667	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr10-133	432.0003	0.660558	0.163776	4.033292	5.50E-05	0.003326	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	BSR/Beta|	-61927	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr5-4959	243.0326	0.71564	0.179491	3.987057	6.69E-05	0.003893	chr5	49599493	49603056	+	0	NA	Intergeni	(TGGAA)n|	840014	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1432	532.4049	0.584341	0.146612	3.985627	6.73E-05	0.003893	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	175341	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr16-463	1643.069	0.969642	0.243989	3.97412	7.06E-05	0.003999	chr16	46398326	46401608	+	0	NA	Intergeni	Intergeni	169130	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr10-420	100.4596	0.970328	0.246122	3.942472	8.06E-05	0.004471	chr10	42076778	42084353	+	0	NA	Intergeni	Intergeni	287480	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-824	102.6024	0.95157	0.244114	3.898054	9.70E-05	0.005266	chr21	8240225	8248186	+	0	NA	intron (N	AluSp|SIN	-5300	NR_128715	1.04E+08		NR_128715	ENSG00000	MIR6724-2	hsa-mir-6	microRNA	ncRNA
chr2-1128	101.4087	0.948414	0.254412	3.883318	0.000117	0.006303	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	MER4-int|	-23448	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr21-842	101.5488	0.941814	0.244698	3.848885	0.000119	0.006315	chr21	8423174	8431177	+	0	NA	Intergeni	AluSp|SIN	-5355	NR_128716	1.04E+08		NR_128716	ENSG00000	MIR6724-3	hsa-mir-6	microRNA	ncRNA
chr1-2286	28.75293	1.671151	0.441412	3.785922	0.000153	0.00799	chr1	2.29E+08	2.29E+08	+	0	NA	TTS (NR_0	TTS (NR_0	976	NR_023376	1E+08		NR_023376	ENSG00000	RNA5S14	RN5S14	RNA, 5S r	rRNA
chr1-1432	630.7142	0.567685	0.150555	3.770625	0.000163	0.008333	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	192269	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr4-4931	51.53134	1.224396	0.329397	3.717089	0.000202	0.010118	chr4	49316781	49318033	+	0	NA	Intergeni	ACRO1|Sat	330765	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr22-118	75.05992	1.024421	0.277719	3.688697	0.000225	0.011108	chr22	11813239	11817984	+	0	NA	Intergeni	ACRO1|Sat	-81795	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-420	103.3944	0.885525	0.241594	3.66534	0.000247	0.011951	chr10	42068603	42075970	+	0	NA	Intergeni	Intergeni	295759	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4929	125.197	0.819989	0.224029	3.660184	0.000252	0.011976	chr4	49295607	49296329	+	0	NA	Intergeni	Intergeni	309326	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chrY-1133	74.19718	1.02324	0.280408	3.649114	0.000263	0.012285	chrY	11333342	11334411	+	0	NA	Intergeni	LSAU|Sate	1087714	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr5-4966	120.1378	0.825371	0.227736	3.624244	0.00029	0.013296	chr5	49666281	49667379	+	0	NA	Intergeni	(CATTC)n|	774458	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-1901	246.5988	0.654516	0.181314	3.609844	0.000306	0.013818	chr4	1.9E+08	1.9E+08	+	0	NA	intron (N	BSR/Beta|	7360	NM_001293	1E+08	Hs.728749	NM_001205	ENSG00000	DUX4	DUX4L	double ho	protein-coding
chr16-334	31.15661	1.498009	0.42097	3.558472	0.000373	0.016395	chr16	33491432	33491949	+	0	NA	Intergeni	Intergeni	4545	NR_033866	390705	Hs.278513	NR_033866		LOC390705	-	protein p	pseudo
chr2-9039	81.43781	0.954677	0.268432	3.556499	0.000376	0.016395	chr2	90392048	90399195	+	0	NA	Intergeni	Intergeni	-757714	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr16-463	119.5655	0.798135	0.227573	3.507162	0.000453	0.019439	chr16	46380709	46381561	+	0	NA	Intergeni	Intergeni	187962	NR_026556	124149	Hs.97414	NM_001004299		ANKRD26P1	-	ankyrin r	pseudo
chr10-420	113.5639	0.805096	0.232202	3.46722	0.000526	0.022212	chr10	42066315	42067724	+	0	NA	Intergeni	Intergeni	301026	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-106	91.712	0.880132	0.255824	3.440383	0.000581	0.023861	chr21	10692714	10693070	+	0	NA	Intergeni	(TTCCA)n|	171378	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1239	453.7092	0.51553	0.149886	3.439477	0.000583	0.023861	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2407227	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9038	67.61587	0.956966	0.288375	3.318478	0.000905	0.036492	chr2	90380642	90390961	+	0	NA	Intergeni	Intergeni	-747894	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr21-846	85.76008	0.866529	0.264384	3.277544	0.001047	0.041589	chr21	8467789	8471804	+	0	NA	Intergeni	Intergeni	28650	NR_145822	1.07E+08		NR_145822		RNA28SN1	RNA28S4	RNA, 28S	rRNA
chrY-1131	79.33365	0.882524	0.270784	3.259139	0.001118	0.043731	chrY	11316853	11317103	+	0	NA	Intergeni	BSR/Beta|	1104612	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr4-4910	58.49754	0.993747	0.307266	3.234156	0.00122	0.047051	chr4	49101367	49106474	+	0	NA	Intergeni	(CATTC)n|	117278	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr22-141	168.9161	0.640853	0.199721	3.208735	0.001333	0.050681	chr22	14173509	14173817	+	0	NA	Intergeni	ALR/Alpha	-1354496	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr1-1432	245.6703	0.567127	0.17777	3.190224	0.001422	0.053281	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	155989	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr1-1432	229.1612	0.573278	0.180184	3.181619	0.001465	0.054127	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	173055	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr17-231	721.879	0.442714	0.139446	3.174792	0.001499	0.054658	chr17	23190216	23190614	+	0	NA	Intergeni	ALR/Alpha	667304	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr4-4910	78.77668	0.845023	0.26908	3.140411	0.001687	0.059649	chr4	49107337	49111190	+	0	NA	Intergeni	(CATTC)n|	122621	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chrY-1132	121.4499	0.709319	0.225902	3.139939	0.00169	0.059649	chrY	11329845	11330802	+	0	NA	Intergeni	BSR/Beta|	1091267	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr5-1321	124.6598	0.718311	0.234591	3.138839	0.00169	0.059761	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	Tigger2|D	39600	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr13-171	158.4718	0.654769	0.208688	3.137556	0.001704	0.059649	chr13	17170410	17170754	+	0	NA	Intergeni	ALR/Alpha	-1024715	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-1321	146.3411	0.682761	0.220288	3.139551	0.001727	0.059884	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	L1PA8|LIN	50795	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr17-230	927.7322	0.410089	0.132046	3.105645	0.001899	0.065614	chr17	23016205	23016703	+	0	NA	Intergeni	ALR/Alpha	493343	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr4-4912	29.08277	1.3118	0.43024	3.048993	0.002296	0.077429	chr4	49124511	49124740	+	0	NA	Intergeni	(TCCAT)n|	137983	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chrY-1131	124.3535	0.687957	0.22566	3.048651	0.002299	0.077429	chrY	11310603	11314946	+	0	NA	Intergeni	BSR/Beta|	1108816	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chrY-1131	67.94543	0.903534	0.297566	3.036413	0.002394	0.079634	chrY	11318076	11321126	+	0	NA	Intergeni	BSR/Beta|	1101989	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr7-1213	64.01541	0.903944	0.292061	3.034454	0.002382	0.079812	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	28489	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr22-149	70.11635	0.858808	0.283275	3.031712	0.002432	0.079886	chr22	14953358	14953671	+	0	NA	Intergeni	ALR/Alpha	-574645	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chrY-1132	78.86176	0.816778	0.269767	3.027719	0.002464	0.079962	chrY	11322595	11328768	+	0	NA	Intergeni	BSR/Beta|	1095909	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr19-479	25.15229	1.395456	0.465934	2.994962	0.002745	0.087999	chr19	47950013	47950394	+	0	NA	promoter-	promoter-	-93	NR_024221	1E+08	Hs.467061	NR_024221		SNAR-C3	-	small NF9	snRNA
chr22-117	34.85865	1.172134	0.39232	2.987701	0.002811	0.089043	chr22	11701445	11703413	+	0	NA	Intergeni	ACRO1|Sat	-194977	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr4-4914	59.79589	0.901318	0.30311	2.973566	0.002944	0.091932	chr4	49149160	49151300	+	0	NA	Intergeni	(TCCAT)n|	163588	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr7-1212	48.72388	0.915699	0.36411	2.972166	0.002965	0.091932	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-123590	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr22-118	35.95313	1.142695	0.384654	2.970711	0.002971	0.091932	chr22	11820088	11821259	+	0	NA	Intergeni	ACRO1|Sat	-76733	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-844	95.09825	0.738826	0.25039	2.950696	0.003171	0.096976	chr21	8440001	8447063	+	0	NA	non-codin	non-codin	2386	NR_145822	1.07E+08		NR_145822		RNA28SN1	RNA28S4	RNA, 28S	rRNA
chr1-1431	184.7594	0.567503	0.193319	2.935579	0.003329	0.100672	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	231792	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr21-880	39.38009	1.076432	0.368216	2.923372	0.003463	0.103529	chr21	8809768	8812037	+	0	NA	Intergeni	ACRO1|Sat	-176097	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr19-263	517.7595	0.425959	0.14605	2.916531	0.003539	0.10465	chr19	26331538	26331941	+	0	NA	Intergeni	ALR/Alpha	-1461692	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4873	443.1578	0.435037	0.15245	2.853644	0.004322	0.126385	chr5	48732007	48732509	+	0	NA	Intergeni	ALR/Alpha	1709030	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1240	142.9203	0.601592	0.212543	2.830444	0.004648	0.133296	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2515484	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrY-1130	130.8691	0.621087	0.219486	2.829739	0.004659	0.133296	chrY	11304644	11306558	+	0	NA	Intergeni	BSR/Beta|	1115989	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr5-4963	316.9725	0.481708	0.17059	2.823776	0.004746	0.134356	chr5	49630794	49632111	+	0	NA	Intergeni	ALR/Alpha	809836	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-382	1369.941	0.350064	0.124325	2.815715	0.004867	0.135303	chr16	38276141	38276493	+	0	NA	Intergeni	ALR/Alpha	2529765	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr7-5637	31.71933	1.150567	0.409062	2.812699	0.004913	0.135303	chr7	56370482	56374711	+	0	NA	Intergeni	Intergeni	75779	NR_029420	650226	Hs.448401	NR_029420		LOC650226	-	ankyrin r	pseudo
chr1-1431	169.5421	0.603583	0.214934	2.808227	0.004982	0.135303	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	236316	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr17-266	2022.12	0.374877	0.133497	2.808132	0.004983	0.135303	chr17	26603641	26604280	+	0	NA	Intergeni	ALR/Alpha	485281	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr2-9040	52.33598	0.902804	0.321953	2.804151	0.005045	0.135601	chr2	90400117	90402376	+	0	NA	Intergeni	Intergeni	-763339	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr10-133	21.0862	1.411122	0.504308	2.798133	0.00514	0.136773	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-134007	NM_001080	441581	Hs.690471	NM_001080	ENSG00000	FRG2B	-	FSHD regi	protein-coding
chr21-838	68.8907	0.800727	0.286822	2.791716	0.005243	0.138133	chr21	8388160	8391495	+	0	NA	non-codin	non-codin	792	NR_146151	1.1E+08		NR_146151		RNA45SN3	-	RNA, 45S	rRNA
chr3-7566	63.50765	0.826753	0.29967	2.758879	0.0058	0.150428	chr3	75667786	75670047	+	0	NA	Intergeni	LSAU|Sate	-3365	NR_040005	401074	Hs.528540	NR_040004	ENSG00000	LINC00960	-	long inte	ncRNA
chr1-1432	143.9775	0.586107	0.212542	2.757606	0.005823	0.150428	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	194840	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr1-2286	16.8048	1.540697	0.564391	2.729842	0.006336	0.162128	chr1	2.29E+08	2.29E+08	+	0	NA	Intergeni	CpG	-6072	NR_037962	58480	Hs.647774	NM_021205	ENSG00000	RHOU	ARHU|CDC4	ras homol	protein-coding
chr22-139	19.57801	1.404287	0.518478	2.708481	0.006759	0.170338	chr22	13933547	13933835	+	0	NA	Intergeni	ALR/Alpha	-1594468	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr21-880	85.3762	0.702778	0.259596	2.707198	0.006785	0.170338	chr21	8807025	8808145	+	0	NA	Intergeni	Intergeni	-179414	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr14-192	19.64034	1.396654	0.519019	2.690951	0.007125	0.174109	chr14	19267001	19267297	+	0	NA	Intergeni	CpG	-34555	NR_133911	1.06E+08	Hs.643607	NR_133911	ENSG00000	BMS1P22	-	BMS1 pseu	pseudo
chr9-4290	17.80607	1.466931	0.545984	2.686766	0.007215	0.174109	chr9	42900204	42900525	+	0	NA	Intergeni	Intergeni	111964	NR_131213	1.06E+08		NR_131213		XLOC_0076	-	uncharact	ncRNA
chr19-259	206.0808	0.512809	0.191057	2.684069	0.007273	0.174109	chr19	25916234	25916527	+	0	NA	Intergeni	ALR/Alpha	-1752933	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo

chr4-491	35.89665	1.03714	0.38641	2.68404	0.007274	0.174109	chr4	49147322	49147735	+	0	NA	Intergeni	(TCCAT)n|	160886	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr4-4911	50.48084	0.875923	0.327075	2.678044	0.007405	0.174109	chr4	49118457	49123545	+	0	NA	Intergeni	(TCCAT)n|	134359	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr21-82	78.14614	0.720527	0.269114	2.677406	0.007419	0.174109	chr21	8205089	8221436	+	0	NA	promoter-	promoter-	-626	NR_003287	1E+08		NR_003287		RNA28SN5	RN28S1|R	RNA, 28S	rRNA
chr14-17	166.7364	0.535958	0.200289	2.675919	0.007452	0.174109	chr14	17292715	17293039	+	0	NA	Intergeni	ALR/Alph	-1308240	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-13	31.60412	1.104061	0.412637	2.675625	0.007459	0.174109	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-127266	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr22-12	39.57452	0.999502	0.375708	2.660315	0.007807	0.180642	chr22	12693729	12693954	+	0	NA	Intergeni	CpG	796435	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr10-42	67.88027	0.758687	0.285923	2.653469	0.007967	0.182758	chr10	42085740	42086729	+	0	NA	Intergeni	Intergeni	281811	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr4-493	29.189	1.102452	0.422514	2.609266	0.009074	0.205691	chr4	49303480	49304037	+	0	NA	Intergeni	Intergeni	317116	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr21-12	148.0029	0.547554	0.210121	2.605902	0.009163	0.205691	chr21	12034962	12035320	+	0	NA	Intergeni	ALR/Alph	-1003025	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr21-82	72.00717	0.73403	0.281822	2.604587	0.009199	0.205691	chr21	8249636	8251949	+	0	NA	intron (	CpG	1287	NR_12871	1.04E+08		NR_12871	ENSG0000	MIR6724-	hsa-mir-	microRNA	ncRNA
chrY-113	79.82128	0.701415	0.271055	2.587725	0.009661	0.211226	chrY	11332065	11332297	+	0	NA	Intergeni	Intergeni	1089409	NR_033667	352887	Hs.546221	NR_033667	ENSG0000	GYG2P1	GYG2P	glycogeni	pseudo
chr4-496	31.0989	1.060981	0.410008	2.587711	0.009662	0.211226	chr4	49654730	49657834	+	0	NA	Intergeni	(GAATG)n|	669640	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr1-143	153.7888	0.536175	0.207364	2.585666	0.009719	0.211226	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	215927	NR_02735	645166	Hs.74418	NR_027354		LSP1P5	-	LSP1 pse	pseudo
chr6-591	516.6632	0.377905	0.146243	2.584093	0.009764	0.211226	chr6	59163037	59163384	+	0	NA	Intergeni	ALR/Alph	-1201764	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chrY-568	132.6253	0.562954	0.219017	2.570363	0.010159	0.216975	chrY	56850780	56851016	+	0	NA	Intergeni	BSR/Beta|	-103357	NM_00584	10251	Hs.38191	NM_00584	ENSG0000	SPRY3	spry-3	sprouty	protein-coding
chr4-490	45.13812	0.882643	0.343632	2.568572	0.010212	0.216975	chr4	49094824	49100395	+	0	NA	Intergeni	(CATTC)n|	110967	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr4-490	45.19931	0.879535	0.342746	2.566145	0.010284	0.216975	chr4	49091335	49093996	+	0	NA	Intergeni	(CATTC)n|	106023	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr19-25	57.42127	0.795919	0.310454	2.563729	0.010355	0.216975	chr19	25339220	25339455	+	0	NA	Intergeni	ALR/Alph	-1175890	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr17-26	1060.693	0.37827	0.14771	2.560891	0.01044	0.217046	chr17	26880909	26885958	+	0	NA	Intergeni	ALR/Alph	205808	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr14-17	44.1853	0.90061	0.3541	2.543375	0.010979	0.225562	chr14	17293992	17294229	+	0	NA	Intergeni	ALR/Alph	-1307007	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr21-84	92.51276	0.637477	0.25077	2.542077	0.01102	0.225562	chr21	8434042	8439078	+	0	NA	promoter-	promoter-	235	NR_16210	1.13E+08		NR_162105		MIR10396	-	microRNA	ncRNA
chr17-21	44.42978	0.870158	0.345276	2.520185	0.011729	0.237431	chr17	21972992	21973211	+	0	NA	Intergeni	(ATGGA)n|	-229894	NR_14454	23666	Hs.49991	NR_14454	ENSG0000	UBBP4	-	ubiquiti	pseudo
chr7-1581	20.03978	1.289115	0.511812	2.51873	0.011778	0.237431	chr7	1.58E+08	1.58E+08	+	0	NA	intron (	intron (	296834	NR_03896	1.01E+08	Hs.66126	NR_038966		LOC10050	-	uncharact	ncRNA
chr17-26	834.0117	0.359579	0.14324	2.510323	0.012062	0.241332	chr17	26619430	26620602	+	0	NA	Intergeni	ALR/Alph	469225	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-83	76.2707	0.678223	0.272041	2.493095	0.012663	0.251026	chr21	8392494	8397399	+	0	NA	promoter-	promoter-	-660	NR_14615	1.1E+08		NR_14615	ENSG0000	RNA5-8SN	-	RNA, 5.8	rRNA
chr2-161	28.61976	1.060582	0.425751	2.491088	0.012735	0.251026	chr2	1.61E+08	1.61E+08	+	0	NA	Intergeni	MER21B|L	-25954	NR_11059	1.02E+08	Hs.66648	NR_110593		LOC10192	-	uncharact	ncRNA
chr10-13	24.75264	1.143825	0.460136	2.485839	0.012925	0.252886	chr10	1.34E+08	1.34E+08	+	0	NA	Intergeni	CpG	-40735	NM_00108	441581	Hs.690471	NM_00108	ENSG0000	FRG2B	-	FSHD regi	protein-coding
chr1-143	132.4453	0.539797	0.217869	2.477627	0.013226	0.256892	chr1	1.43E+08	1.43E+08	+	0	NA	Intergeni	Intergeni	176896	NR_02735	645166	Hs.74418	NR_027354		LSP1P5	-	LSP1 pse	pseudo
chr13-16	74.28317	0.681099	0.27548	2.472408	0.013421	0.258785	chr13	16499361	16499620	+	0	NA	Intergeni	ALR/Alph	-1695807	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr4-491	35.33288	0.954049	0.38792	2.459394	0.013917	0.266429	chr4	49143929	49144792	+	0	NA	Intergeni	(TCCAT)n|	157718	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr10-40	382.6345	0.391855	0.159581	2.455524	0.014068	0.267191	chr10	40980955	40981353	+	0	NA	Intergeni	ALR/Alph	1386891	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr1-1251	111.6982	0.573006	0.233571	2.453235	0.014158	0.267191	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	Intergeni	3648968	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr21-83	68.03768	0.700149	0.28654	2.44346	0.014547	0.272606	chr21	8398309	8402921	+	0	NA	non-codi	non-codi	3689	NR_14615	1.1E+08		NR_146154		RNA28SN3	-	RNA, 28S	rRNA
chr10-38	33.01654	0.972795	0.398575	2.440684	0.014659	0.272789	chr10	38526789	38529774	+	0	NA	Intergeni	Intergeni	100135	NR_024497	399744	Hs.497951	NM_001013665		LINC0099	-	long inte	ncRNA
chr15-20	18.44122	1.284102	0.529836	2.423585	0.015368	0.283991	chr15	20340307	20342614	+	0	NA	Intergeni	(AGCCAGC	58716	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chr21-82	52.29612	0.770448	0.320399	2.404652	0.016188	0.297075	chr21	8257870	8260861	+	0	NA	non-codi	non-codi	2584	NR_14612	1.1E+08		NR_146120		RNA5-8SN	RN5-8S1|	RNA, 5.8	rRNA
chr4-493	41.49717	0.861599	0.359503	2.39664	0.016546	0.299946	chr4	49331326	49331603	+	0	NA	Intergeni	Intergeni	344822	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr21-981	24.49776	1.116632	0.466017	2.396119	0.01657	0.299946	chr21	9818836	9819818	+	0	NA	intron (	SST1|Sat	1734	NR_038377	441058	Hs.13053	NR_038377		LINC01667	-	long inte	ncRNA
chr5-4961	285.275	0.429149	0.179328	2.393092	0.016707	0.300388	chr5	49612239	49617181	+	0	NA	Intergeni	ALR/Alph	826578	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr4-492	39.14938	0.873678	0.366481	2.383961	0.017127	0.303775	chr4	49282961	49284287	+	0	NA	Intergeni	Intergeni	296982	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr4-496	23.21414	1.124193	0.471661	2.383475	0.01715	0.303775	chr4	49650529	49652998	+	0	NA	Intergeni	(GAATG)n|	665121	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr1-228	17.15533	1.307567	0.54903	2.381594	0.017238	0.303775	chr1	2.29E+08	2.29E+08	+	0	NA	promoter-	promoter-	-332	NR_02336	1E+08		NR_02336	ENSG0000	RNA5S3	RN5S3	RNA, 5S	rRNA
chr13-17	44.97342	0.817364	0.345641	2.36478	0.018041	0.315832	chr13	17938650	17938928	+	0	NA	Intergeni	ALR/Alph	-256508	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr17-26	74.36995	0.652367	0.276462	2.3597	0.01829	0.318098	chr17	26398434	26398681	+	0	NA	Intergeni	ALR/Alph	690684	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr3-924	30.38413	0.976656	0.417803	2.337598	0.019408	0.335357	chr3	92488771	92489132	+	0	NA	Intergeni	ALR/Alph	1485130	NM_00131	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr20-31	43.71558	0.810873	0.348192	2.328812	0.019869	0.339873	chr20	31070737	31075918	+	0	NA	Intergeni	(GGAAT)n|	-184337	NM_001037	245929	Hs.58079	NM_001037	ENSG0000	DEFB115	DEFB-15	defensin	protein-coding
chr20-31	45.23321	0.796001	0.342136	2.326563	0.019989	0.339873	chr20	31051831	31069353	+	0	NA	Intergeni	(GGAAT)n|	-197072	NM_001037	245929	Hs.58079	NM_001037	ENSG0000	DEFB115	DEFB-15	defensin	protein-coding
chr22-10	18.70441	1.221582	0.525928	2.322717	0.020194	0.339873	chr22	10936435	10936654	+	0	NA	Intergeni	AluJo|SI	24985	NR_13232	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr10-41	27.70526	1.000464	0.430813	2.322272	0.020218	0.339873	chr10	41898644	41900563	+	0	NA	Intergeni	(AATGG)n|	468442	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr3-918	49.22328	0.770781	0.332146	2.320607	0.020308	0.339873	chr3	91891250	91891551	+	0	NA	Intergeni	ACRO1|Sat	2082681	NM_00131	5627	Hs.64016	NM_00031	ENSG0000	PROS1	PROS|PS21	protein	protein-coding
chr22-13	70.78302	0.649365	0.280184	2.317641	0.020469	0.340422	chr22	13502393	13502697	+	0	NA	Intergeni	ALR/Alph	1605139	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr17-267	24.93319	1.038456	0.453195	2.29141	0.02194	0.361995	chr17	26797021	26797957	+	0	NA	Intergeni	Intergeni	291752	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-40	258.4942	0.399071	0.174289	2.289712	0.022038	0.361995	chr10	40204320	40204717	+	0	NA	Intergeni	ALR/Alph	1507922	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr6-593	110	0.547911	0.239665	2.286152	0.022245	0.36207	chr6	59383263	59383569	+	0	NA	Intergeni	ALR/Alph	-1421970	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr10-40	230.6655	0.411915	0.180272	2.284968	0.022315	0.36207	chr10	40892030	40892702	+	0	NA	Intergeni	ALR/Alph	1475679	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr19-36	17.87198	1.219965	0.535468	2.278316	0.022708	0.366214	chr19	36276065	36278373	+	0	NA	Intergeni	(TC)n|Si	-31291	NM_00136	147929	Hs.59633	NM_152477	ENSG0000	ZNF565	-	zinc fing	protein-coding
chr22-11	51.98893	0.72737	0.320457	2.269793	0.02322	0.372221	chr22	11697932	11700176	+	0	NA	Intergeni	Intergeni	-198352	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr19-26	133.8412	0.491767	0.21739	2.262139	0.023689	0.377461	chr19	26528896	26529948	+	0	NA	Intergeni	ALR/Alph	-1264009	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr10-41	36.19921	0.854178	0.379817	2.248921	0.024518	0.388341	chr10	41878985	41879570	+	0	NA	Intergeni	(ATGGA)n|	488768	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr22-147	39.17497	0.819892	0.365632	2.242397	0.024936	0.392628	chr22	14791990	14792230	+	0	NA	Intergeni	ALR/Alph	-736049	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr4-511	368.616	0.391494	0.17584	2.226418	0.025986	0.40676	chr4	51107267	51107487	+	0	NA	Intergeni	SAR|Satel	-735623	NM_001287	23142	Hs.60538	NM_01511	ENSG0000	DCUN1D4	-	defective	protein-coding
chr21-88	20.32912	1.116479	0.502736	2.220804	0.026364	0.410265	chr21	8861213	8861425	+	0	NA	Intergeni	AluSx|SI	-125680	NR_128711	1.04E+08		NR_128711	ENSG0000	MIR3648-	hsa-mir-	microRNA	ncRNA
chr19-271	219.0619	0.431927	0.195052	2.214423	0.0268	0.414617	chr19	27183517	27183750	+	0	NA	Intergeni	ALR/Alph	-609798	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-123	224.5094	0.398749	0.181115	2.201633	0.027691	0.425933	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	1991828	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr20-28	26.65338	0.965225	0.439847	2.194455	0.028203	0.430826	chr20	28461197	28461479	+	0	NA	Intergeni	ALR/Alph	141327	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-311	39.92136	0.79119	0.361226	2.190291	0.028503	0.430826	chr20	31184962	31185344	+	0	NA	Intergeni	(GGAAT)n|	-72511	NM_001037	245929	Hs.58079	NM_001037	ENSG0000	DEFB115	DEFB-15	defensin	protein-coding
chr14-16	42.36463	0.779243	0.3563	2.187041	0.028739	0.430826	chr14	16858653	16858953	+	0	NA	Intergeni	ALR/Alph	-1742314	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr4-4931	37.98115	0.80908	0.370021	2.186579	0.028773	0.430826	chr4	49318789	49320518	+	0	NA	Intergeni	Intergeni	333011	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr10-41	22.84745	1.031348	0.472506	2.18272	0.029056	0.430826	chr10	41902978	41915655	+	0	NA	Intergeni	(AATGG)n|	458729	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr21-12	35.78228	0.856168	0.392399	2.18188	0.029118	0.430826	chr21	12036302	12036501	+	0	NA	Intergeni	ALR/Alph	-1001765	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr12-351	44.34903	0.754042	0.345645	2.181551	0.029143	0.430826	chr12	35126763	35127167	+	0	NA	Intergeni	ALR/Alph	1104469	NM_03283	84920	Hs.102971	NM_03283	ENSG0000	ALG10	ALG10A|DI	ALG10 al	protein-coding
chr10-41	18.58806	1.140898	0.524036	2.177136	0.02947	0.433264	chr10	41895417	41897615	+	0	NA	Intergeni	(AATGG)n|	471529	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr10-411	50.96735	0.702949	0.323418	2.1735	0.029743	0.434865	chr10	41105288	41105570	+	0	NA	Intergeni	ALR/Alph	1262616	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr10-12	22.90808	1.025234	0.472533	2.169659	0.030033	0.436705	chr10	1.28E+08	1.28E+08	+	0	NA	Intergeni	Intergeni	178625	NR_12061	1.02E+08	Hs.52334	NR_12061	ENSG0000	LINC0116	TCONS_00	long inte	ncRNA
chr22-16	44.53488	0.744926	0.345145	2.158296	0.030905	0.446196	chr22	16352707	16352954	+	0	NA	Intergeni	(GGAAT)n|	239980	NM_01440	150160	Hs.12834	NM_01440	ENSG0000	CCT8L2	CESK1	chaperoni	protein-coding
chr18-157	30.71795	0.883409	0.409591	2.156806	0.031021	0.446196	chr18	15779210	15779498	+	0	NA	Intergeni	ALR/Alph	-453435	NR_027417	644669	Hs.57947	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr6-596	164.8147	0.431647	0.202713	2.129352	0.033225	0.475334	chr6	59640025	59640375	+	0	NA	Intergeni	ALR/Alph	-1678754	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr5-496	178.6623	0.448155	0.211301	2.120935	0.033927	0.480331	chr5	49642200	49646224	+	0	NA	Intergeni	ALR/Alph	797076	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr4-491	21.4998	1.040797	0.491324	2.118353	0.034145	0.480331	chr4	49139529	49142525	+	0	NA	Intergeni	(TCCAT)n|	154385	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr22-14	29.82603	0.878713	0.415034	2.117207	0.034242	0.480331	chr22	14333094	14333456	+	0	NA	Intergeni	ALR/Alph	-1194884	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr1-123	108.2465	0.500921	0.236667	2.116569	0.034296	0.480331	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1514890	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr6-613	174.4117	0.421916	0.19986	2.111056	0.034767	0.484378	chr6	61322898	61323147	+	0	NA	Intergeni	ALR/Alph	-251108	NM_00119	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr1-123	76.95797	0.574351	0.273957	2.096501	0.036038	0.499461	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2016636	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr2-914	35.77076	0.799397	0.382208	2.091521	0.036481	0.502989	chr2	91421853	91422483	+	0	NA	Intergeni	Intergeni	237781	NR_02723	654342	Hs.469287	NR_027238		LSP1P4	-	LSP1 pse	pseudo
chr4-495	40.86918	0.743974	0.357347	2.081938	0.037348	0.511625	chr4	49509461	49515094	+	0	NA	Intergeni	Intergeni	525635	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr10-40	372.8848	0.33151	0.159352	2.080363	0.037492	0.511625	chr10	40556249	40556918	+	0	NA	Intergeni	ALR/Alph	1811462	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr1-1237	34.44068	0.806764	0.388596	2.076102	0.037884	0.51434	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2182150	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-1217	110.1046	0.487435	0.235595	2.068955	0.03855	0.520336	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	252824	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr21-12	58.45416	0.630492	0.305001	2.06718	0.038717	0.520336	chr21	12607271	12607551	+	0	NA	Intergeni	ALR/Alph	-430755	NR_02691	149992	Hs.55864	NM_153773		ANKRD30B	C21orf99|	ankyrin	pseudo
chr22-12	20.82347	1.016223	0.492796	2.062157	0.039193	0.524081	chr22	12884178	12884461	+	0	NA	Intergeni	Intergeni	986913	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr21-82	44.99778	0.706362	0.344744	2.048948	0.040467	0.538416	chr21	8253472	8257024	+	0	NA	intron (	CpG-18247	-1532	NR_00328	1E+08	Hs.42670	NR_003285		RNA5-8SN	RN5-8S1|	RNA, 5.8	rRNA
chr13-177	54.45191	0.647958	0.31692	2.044552	0.040899	0.541455	chr13	17742671	17743028	+	0	NA	Intergeni	ALR/Alph	-452448	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr22-147	54.37741	0.657135	0.321941	2.041168	0.041234	0.542875	chr22	14745788	14746117	+	0	NA	Intergeni	ALR/Alph	-782207	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr20-26	47.01534	0.68486	0.336074	2.037823	0.041568	0.542875	chr20	26961128	26961382	+	0	NA	Intergeni	ALR/Alph	-752022	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr4-1317	17.47272	1.102084	0.540949	2.037316	0.041618	0.542875	chr4	1.32E+08	1.32E+08	+	0	NA	Intergeni	CpG	-21478	NR_12588	1.02E+08	Hs.50792	NR_125883		SNHG27	-	small nu	ncRNA
chr6-593	88.77707	0.519103	0.256155	2.026523	0.042711	0.549864	chr6	59385459	59386401	+	0	NA	Intergeni	ALR/Alph	-1424484	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr14-167	29.66663	0.848269	0.418681	2.026051	0.04276	0.549864	chr14	16703688	16703931	+	0	NA	Intergeni	ALR/Alph	-1897308	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr22-14	42.40296	0.721597	0.356324	2.025116	0.042855	0.549864	chr22	14379706	14380187	+	0	NA	Intergeni	ALR/Alph	-1148213	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr13-16	41.64873	0.716555	0.35437	2.022055	0.043171	0.549864	chr13	16391856	16392067	+	0	NA	Intergeni	ALR/Alph	-1803336	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr2-8981	22.8552	0.956024	0.472836	2.021893	0.043187	0.549864	chr2	89814308	89815119	+	0	NA	Intergeni	(ATTCC)n|	-176806	NR_13632	1.02E+08	Hs.57807	NR_136329		LOC101927	-	lysine m	pseudo
chr21-10	19.02179	1.037529	0.514999	2.014622	0.043944	0.556836	chr21	10365501	10365926	+	0	NA	Intergeni	L2a|LINE|	-47807	NM_001187	574	Hs.54578	NM_001187		BAGE	BAGE1|CT	B melano	protein-coding
chr5-484	26.25184	0.887587	0.441682	2.009562	0.044478	0.557053	chr5	48485190	48485466	+	0	NA	Intergeni	ALR/Alph	1955960	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr4-190	25.79725	0.893525	0.44474	2.009094	0.044527	0.557053	chr4	1.9E+08	1.9E+08	+	0	NA	Intergeni	CpG	4544	NM_00100	448831	Hs.626907	NM_00100	ENSG0000	FRG2	FRG2A	FSHD regi	protein-coding
chr3-908	42.37038	0.723294	0.360115	2.008507	0.044589	0.557053	chr3	90846143	90846655	+	0	NA	Intergeni	ALR/Alph	1738778	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|	EPH rece	protein-coding
chr5-496	169.8705	0.408567	0.204055	2.002235	0.045259	0.562783	chr5	49625442	49627107	+	0	NA	Intergeni	ALR/Alph	815014	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr7-593	169.9958	0.399756	0.199994	1.998847	0.045625	0.564688	chr7	59364540	59364865	+	0	NA	Intergeni	ALR/Alph	1914525	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr1-1237	135.7065	0.43002	0.215513	1.995332	0.046007	0.566777	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2264914	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-483	38.57919	0.745297	0.374328	1.991027	0.046478	0.568068	chr5	48304618	48304918	+	0	NA	Intergeni	ALR/Alph	2136520	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-42	167.8833	0.414772	0.208615	1.988222	0.046787	0.568068	chr10	42090673	42090912	+	0	NA	Intergeni	Intergeni	277253	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr4-9271	41.27203	0.705423	0.355014	1.98703	0.046919	0.568068	chr4	9271693	9272576	+	0	NA	Intergeni	Intergeni	4515	NM_00125	1E+08	Hs.72278	NM_00125	ENSG0000	USP17L20	-	ubiquiti	protein-coding
chr1-1247	208.5831	0.374814	0.18867	1.986612	0.046965	0.568068	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3259071	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr4-493	44.85396	0.677216	0.342212	1.978936	0.047823	0.575826	chr4	49326006	49327408	+	0	NA	Intergeni	L1PA10|L	340065	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|	cell wall	protein-coding
chr11-541	37.84394	0.7302	0.370064	1.973171	0.048476	0.581058	chr11	54182903	54183295	+	0	NA	Intergeni	ALR/Alph	420899	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactory	protein-coding
chr20-27	16.24802	1.102904	0.559541	1.971087	0.048714	0.58129	chr20	27291244	27291918	+	0	NA	Intergeni	ALR/Alph	-1082348	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr20-277	29.1922	0.840356	0.426843	1.968773	0.048979	0.581846	chr20	27785610	27786279	+	0	NA	Intergeni	ALR/Alph	816721	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-28	45.82095	0.672311	0.341903	1.966379	0.049255	0.581869	chr20	28309237	28309809	+	0	NA	Intergeni	ALR/Alph	293142	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr6-592	75.46206	0.53526	0.272402	1.964964	0.049418	0.581869	chr6	59259537	59259845	+	0	NA	Intergeni	ALR/Alph	-1298245	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr5-4911	233.0492	0.356235	0.181587	1.961792	0.049787	0.583623	chr5	49115550	49115818	+	0	NA	Intergeni	ALR/Alph	1325604	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1217	91.90081	0.491889	0.251634	1.954782	0.050609	0.590658	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	231276	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr22-14	24.05959	0.895475	0.45896	1.951097	0.051046	0.591505	chr22	14090725	14090970	+	0	NA	Intergeni	ALR/Alph	-1437312	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr8-455	71.39918	0.54501	0.279673	1.948738	0.051327	0.591505	chr8	45553569	45553935	+	0	NA	Intergeni	ALR/Alph	1063891	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr13-16	26.48471	0.853021	0.43777	1.948558	0.051348	0.591505	chr13	16581407	16581676	+	0	NA	Intergeni	ALR/Alph	-1613756	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA

chr21-104	16.76324	1.078207	0.554932	1.942954	0.052022	0.595334	chr21	10422932	10423215	+		0	NA	intron (N	AluSx|SIN	9541	NM_182481	85318	Hs.545789	NM_182481		BAGE3	CT2.3	BAGE fami	protein-coding
chr19-265	84.33193	0.505273	0.26039	1.940447	0.052325	0.595334	chr19	26504043	26504551	+		0	NA	Intergeni	ALR/Alpha	-1289134	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-4911	28.5187	0.817695	0.422057	1.937405	0.052696	0.595334	chr4	49114412	49115632	+		0	NA	Intergeni	(TCCAT)n|	128380	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr5-4773	60.71318	0.586794	0.303151	1.935649	0.052911	0.595334	chr5	47739713	47739935	+		0	NA	Intergeni	ALR/Alpha	-2043444	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-6051	58.72452	0.587491	0.303524	1.935567	0.052921	0.595334	chr7	60517707	60518137	+		0	NA	Intergeni	ALR/Alpha	2786134	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr22-121	18.2837	1.017188	0.525751	1.934734	0.053023	0.595334	chr22	12171044	12172316	+		0	NA	Intergeni	ACRO1|Sat	274274	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-418	42.05214	0.679138	0.352768	1.925169	0.054208	0.604519	chr10	41845595	41846536	+		0	NA	Intergeni	Intergeni	521980	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-141	46.54383	0.652161	0.338878	1.924473	0.054295	0.604519	chr22	14170542	14170789	+		0	NA	Intergeni	ALR/Alpha	-1357494	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr19-248	98.23847	0.476154	0.247825	1.921329	0.05469	0.606378	chr19	24891532	24891790	+		0	NA	Intergeni	ALR/Alpha	-728214	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-174	39.31538	0.710116	0.370666	1.915787	0.055392	0.610014	chr14	17498868	17499418	+		0	NA	Intergeni	ALR/Alpha	-1101974	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-269	82.87833	0.506051	0.264528	1.913037	0.055743	0.610014	chr19	26951168	26951399	+		0	NA	Intergeni	ALR/Alpha	-842148	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-4932	50.17052	0.622166	0.325628	1.910665	0.056048	0.610014	chr4	49321369	49321614	+		0	NA	Intergeni	Intergeni	334849	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr12-351	30.9563	0.798962	0.41834	1.909842	0.056154	0.610014	chr12	35133494	35133761	+		0	NA	Intergeni	ALR/Alpha	1111131	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4886	118.9689	0.45212	0.236809	1.909221	0.056234	0.610014	chr5	48860477	48860835	+		0	NA	Intergeni	ALR/Alpha	1580632	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-4964	21.74098	0.917308	0.480774	1.907981	0.056394	0.610014	chr4	49647424	49648793	+		0	NA	Intergeni	(GAATG)n|	661466	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr3-9083	26.6054	0.842639	0.444363	1.896285	0.057922	0.615386	chr3	90835879	90836119	+		0	NA	Intergeni	ALR/Alpha	1728378	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-263	117.1375	0.454218	0.239806	1.894107	0.058211	0.615386	chr19	26353442	26353692	+		0	NA	Intergeni	ALR/Alpha	-1439864	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chrY-1119	16.41913	1.050199	0.554467	1.89407	0.058216	0.615386	chrY	11194869	11195237	+		0	NA	Intergeni	AluSx1|SI	1226537	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr21-104	16.45001	1.046008	0.552295	1.893929	0.058234	0.615386	chr21	10425419	10425988	+		0	NA	intron (N	L1MC5|LIN	12171	NM_182481	85318	Hs.545789	NM_182481		BAGE3	CT2.3	BAGE fami	protein-coding
chr13-167	46.25581	0.637558	0.337049	1.891587	0.058546	0.615386	chr13	16776587	16777463	+		0	NA	Intergeni	ALR/Alpha	-1418272	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-141	16.48032	1.041811	0.552529	1.885532	0.059358	0.615386	chr22	14150454	14150762	+		0	NA	Intergeni	ALR/Alpha	-1377551	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr10-418	25.71405	0.836114	0.444207	1.882263	0.0598	0.615386	chr10	41857801	41861974	+		0	NA	Intergeni	(ATGGA)n|	508158	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-250	96.02468	0.465831	0.247576	1.881569	0.059895	0.615386	chr19	25050249	25051413	+		0	NA	Intergeni	ALR/Alpha	-887384	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-169	26.23211	0.826304	0.43931	1.880913	0.059984	0.615386	chr14	16982305	16982973	+		0	NA	Intergeni	ALR/Alpha	-1618478	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-399	89.90884	0.476016	0.253197	1.880024	0.060105	0.615386	chr10	39986335	39987416	+		0	NA	Intergeni	ALR/Alpha	1290279	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-526	52.82625	0.598962	0.318615	1.879894	0.060123	0.615386	chr11	52690099	52690350	+		0	NA	Intergeni	ALR/Alpha	1913774	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr4-4932	36.18192	0.708844	0.377369	1.878383	0.060329	0.615386	chr4	49328916	49329125	+		0	NA	Intergeni	ACRO1|Sat	342378	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr13-180	47.70007	0.63952	0.341281	1.873881	0.060947	0.615386	chr13	18002268	18002665	+		0	NA	Intergeni	ALR/Alpha	-192831	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-167	38.76314	0.684148	0.365263	1.87303	0.061064	0.615386	chr13	16723999	16724328	+		0	NA	Intergeni	ALR/Alpha	-1471134	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1241	134.787	0.405227	0.216534	1.871423	0.061286	0.615386	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2604870	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-260	283.6617	0.319534	0.171143	1.867059	0.061893	0.615386	chr17	26041053	26041344	+		0	NA	Intergeni	ALR/Alpha	1048043	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr4-4928	35.27329	0.712285	0.3816	1.866576	0.061961	0.615386	chr4	49286403	49287435	+		0	NA	Intergeni	Intergeni	300277	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr19-260	60.05527	0.567497	0.304305	1.864893	0.062196	0.615386	chr19	26041039	26041446	+		0	NA	Intergeni	ALR/Alpha	-1752189	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1245	70.37648	0.525019	0.28166	1.864018	0.062319	0.615386	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	2995394	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-273	29.26736	0.778767	0.417812	1.863916	0.062334	0.615386	chr20	27331621	27331920	+		0	NA	Intergeni	ALR/Alpha	-1122537	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr4-4928	18.39135	0.979391	0.525479	1.863805	0.062349	0.615386	chr4	49280388	49281356	+		0	NA	Intergeni	Intergeni	294230	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr4-5047	33.75452	0.727517	0.390776	1.861725	0.062642	0.615386	chr4	50472300	50472601	+		0	NA	Intergeni	ALR/Alpha	-1370550	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr22-133	17.99908	0.983201	0.528429	1.86061	0.062799	0.615386	chr22	13386009	13386357	+		0	NA	Intergeni	ALR/Alpha	1488777	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-418	18.93746	0.957767	0.514902	1.860093	0.062872	0.615386	chr10	41885191	41894312	+		0	NA	Intergeni	(AATGG)n|	478294	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr9-4476	41.24719	0.667098	0.358721	1.859656	0.062934	0.615386	chr9	44763950	44764446	+		0	NA	Intergeni	ALR/Alpha	1638032	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-271	28.78245	0.78445	0.422064	1.858603	0.063083	0.615386	chr20	27143667	27143950	+		0	NA	Intergeni	ALR/Alpha	-934575	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4351	30.29725	0.763521	0.410883	1.858245	0.063134	0.615386	chr9	43511966	43512232	+		0	NA	Intergeni	ALR/Alpha	385933	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr6-5956	224.5186	0.337934	0.182094	1.855818	0.06348	0.616493	chr6	59566187	59566483	+		0	NA	Intergeni	ALR/Alpha	-1604889	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-270	234.3819	0.329149	0.17857	1.843247	0.065293	0.62737	chr19	27022720	27022981	+		0	NA	Intergeni	ALR/Alpha	-770581	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4844	59.66073	0.564903	0.306556	1.842737	0.065367	0.62737	chr5	48441498	48441938	+		0	NA	Intergeni	ALR/Alpha	1999570	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	177.0331	0.384663	0.208811	1.842163	0.065451	0.62737	chr20	26541678	26542408	+		0	NA	Intergeni	ALR/Alpha	-332810	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-248	54.05869	0.580129	0.3151	1.841092	0.065608	0.62737	chr19	24892787	24893284	+		0	NA	Intergeni	ALR/Alpha	-729588	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-418	20.48654	0.909965	0.494715	1.839374	0.06586	0.62737	chr10	41875315	41877971	+		0	NA	Intergeni	(ATGGA)n|	491402	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr14-178	54.15246	0.576515	0.313608	1.838328	0.066014	0.62737	chr14	17864984	17865312	+		0	NA	Intergeni	ALR/Alpha	-735969	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-175	20.97031	0.898708	0.490011	1.834056	0.066646	0.631118	chr14	17597225	17597434	+		0	NA	Intergeni	ALR/Alpha	-1003788	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-8578	20.03194	0.918304	0.502401	1.827832	0.067575	0.633903	chr8	85784201	85786572	+		0	NA	Intergeni	Intergeni	5982	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr4-1898	28.87226	0.777259	0.425248	1.827777	0.067583	0.633903	chr4	1.9E+08	1.9E+08	+		0	NA	promoter-	promoter-	-136	NR_132380	1.05E+08	Hs.662618	NR_132380	ENSG00000	LINC01596	-	long inte	ncRNA
chr4-4931	41.44918	0.648528	0.355316	1.825214	0.067969	0.633903	chr4	49313306	49315233	+		0	NA	Intergeni	MER21B|LT	327627	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr21-113	37.41606	0.677691	0.371336	1.825007	0.068	0.633903	chr21	11350295	11351540	+		0	NA	Intergeni	ALR/Alpha	829403	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr14-168	54.07909	0.585394	0.320915	1.82414	0.068131	0.633903	chr14	16812325	16812670	+		0	NA	Intergeni	ALR/Alpha	-1788620	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1240	58.31194	0.558367	0.306462	1.821976	0.068459	0.634733	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2580969	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-247	333.103	0.297862	0.163646	1.820161	0.068735	0.635079	chr17	24740194	24740457	+		0	NA	Intergeni	ALR/Alpha	2217214	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1240	78.34593	0.488821	0.268866	1.818085	0.069051	0.635796	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2579729	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-166	40.86993	0.655664	0.361767	1.812392	0.069926	0.641352	chr13	16663959	16664188	+		0	NA	Intergeni	ALR/Alpha	-1531224	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-179	58.20627	0.557191	0.307666	1.811027	0.070137	0.641352	chr13	17950286	17950597	+		0	NA	Intergeni	ALR/Alpha	-244856	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr11-519	36.85664	0.6946	0.384346	1.807227	0.070727	0.644535	chr11	51912524	51912743	+		0	NA	Intergeni	ALR/Alpha	1503486	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-265	17.62126	0.959792	0.534648	1.795186	0.072624	0.658804	chr19	26519293	26519509	+		0	NA	Intergeni	ALR/Alpha	-1274030	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4886	16.71376	0.983231	0.548018	1.794159	0.072788	0.658804	chr5	48869180	48869408	+		0	NA	Intergeni	ALR/Alpha	1571994	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-261	130.756	0.393584	0.21962	1.792113	0.073115	0.659521	chr19	26188931	26190024	+		0	NA	Intergeni	ALR/Alpha	-1603954	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-122	43.10931	0.624349	0.348915	1.789402	0.07355	0.661205	chr21	12254303	12254530	+		0	NA	Intergeni	ALR/Alpha	-783750	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-116	42.52779	0.630828	0.353791	1.783053	0.074578	0.668186	chr21	11600936	11601226	+		0	NA	Intergeni	ALR/Alpha	1079567	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-113	66.8309	0.508919	0.286513	1.776252	0.075691	0.675888	chr21	11363883	11364191	+		0	NA	Intergeni	ALR/Alpha	842523	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr19-255	40.68305	0.634477	0.357565	1.774437	0.075991	0.676293	chr19	25523824	25524204	+		0	NA	Intergeni	ALR/Alpha	-1360567	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-284	114.832	0.65107	0.368109	1.76869	0.076946	0.682508	chr20	28494774	28498147	+		0	NA	Intergeni	ALR/Alpha	106205	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-8572	19.23096	0.901567	0.511173	1.763723	0.077779	0.686393	chr8	85720413	85720939	+		0	NA	Intergeni	Intergeni	5832	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr14-176	34.61367	0.680013	0.385943	1.76195	0.078078	0.686393	chr14	17662348	17662644	+		0	NA	Intergeni	ALR/Alpha	-938621	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4783	104.7732	0.422414	0.239912	1.760707	0.078288	0.686393	chr5	47839793	47840060	+		0	NA	Intergeni	ALR/Alpha	-2143546	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-179	22.08037	0.845935	0.480657	1.759955	0.078415	0.686393	chr13	17953141	17953522	+		0	NA	Intergeni	ALR/Alpha	-241966	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-277	23.11195	0.822969	0.468362	1.757121	0.078897	0.687202	chr20	27773556	27774870	+		0	NA	Intergeni	ALR/Alpha	828452	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-267	23.66089	0.809593	0.460945	1.756375	0.079024	0.687202	chr20	26731510	26732097	+		0	NA	Intergeni	ALR/Alpha	-522570	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-410	22.20389	0.833894	0.475198	1.754834	0.079288	0.687247	chr10	41046158	41046373	+		0	NA	Intergeni	ALR/Alpha	1321780	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-142	30.1843	0.717619	0.409891	1.750755	0.079988	0.691066	chr22	14205325	14205615	+		0	NA	Intergeni	ALR/Alpha	-1322689	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr13-173	30.69953	0.711187	0.40665	1.748891	0.08031	0.6916	chr13	17340079	17340335	+		0	NA	Intergeni	ALR/Alpha	-855090	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-916	28.21264	0.738588	0.423663	1.743339	0.081275	0.696561	chr21	9167797	9168040	+		0	NA	Intergeni	Intergeni	-38157	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr19-261	38.17889	0.658831	0.378081	1.742566	0.081409	0.696561	chr19	26106606	26106823	+		0	NA	Intergeni	ALR/Alpha	-1686717	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4858	131.224	0.382123	0.219496	1.740913	0.081699	0.696797	chr5	48589417	48590525	+		0	NA	Intergeni	ALR/Alpha	1851317	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-379	77.99568	0.464892	0.268651	1.73047	0.083546	0.709369	chr16	37926164	37926405	+		0	NA	Intergeni	ALR/Alpha	2179732	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr5-4962	140.2153	0.378441	0.218805	1.729576	0.083706	0.709369	chr5	49622389	49624411	+		0	NA	Intergeni	ALR/Alpha	817888	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4956	66.12313	0.496699	0.28889	1.719337	0.085553	0.713651	chr5	49567719	49567961	+		0	NA	Intergeni	ALR/Alpha	873448	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-124	38.85105	0.628947	0.366055	1.718177	0.085764	0.713651	chr21	12404644	12404925	+		0	NA	Intergeni	ALR/Alpha	-633382	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-120	22.29766	0.824839	0.480509	1.716596	0.086053	0.713651	chr21	12030993	12031199	+		0	NA	Intergeni	ALR/Alpha	-1007070	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-145	36.87769	0.639856	0.372928	1.715764	0.086205	0.713651	chr22	14543138	14543524	+		0	NA	Intergeni	ALR/Alpha	-984828	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr20-274	36.29844	0.647658	0.377594	1.715223	0.086304	0.713651	chr20	27425496	27428050	+		0	NA	Intergeni	ALR/Alpha	1175892	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr17-254	222.7954	0.312985	0.182517	1.714827	0.086377	0.713651	chr17	25493939	25494283	+		0	NA	Intergeni	ALR/Alpha	1595130	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-268	36.26983	0.649573	0.37904	1.713732	0.086578	0.713651	chr19	26851643	26851981	+		0	NA	Intergeni	ALR/Alpha	-941619	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr6-5879	97.86914	0.419115	0.244758	1.712362	0.08683	0.713651	chr6	58792889	58793800	+		0	NA	Intergeni	ALR/Alpha	-831898	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-167	41.46203	0.609253	0.355863	1.712042	0.086889	0.713651	chr14	16757418	16757648	+		0	NA	Intergeni	ALR/Alpha	-1843584	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-128	63.754	0.512455	0.299366	1.711801	0.086933	0.713651	chr21	12814861	12815150	+		0	NA	Intergeni	ALR/Alpha	-223161	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4943	83.85721	0.444736	0.259994	1.710565	0.087161	0.713651	chr5	49437332	49437564	+		0	NA	Intergeni	ALR/Alpha	1003840	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1239	34.35936	0.658723	0.3856	1.708306	0.08758	0.714303	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2400370	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9258	16.42687	0.945484	0.554823	1.704119	0.088359	0.714303	chr3	92587078	92587693	+		0	NA	Intergeni	ALR/Alpha	1386696	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr10-418	16.9438	0.926613	0.544037	1.703215	0.088528	0.714303	chr10	41874228	41874485	+		0	NA	Intergeni	(ATGGA)n|	493689	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrY-5683	36.94002	0.636367	0.373678	1.702982	0.088571	0.714303	chrY	56838493	56839548	+		0	NA	Intergeni	BSR/Beta|	-115235	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr1-1228	38.4279	0.627771	0.368761	1.70238	0.088684	0.714303	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1282940	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	60.02287	0.509985	0.299883	1.700615	0.089015	0.714303	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3215636	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-136	37.23625	0.644468	0.379088	1.700048	0.089122	0.714303	chr22	13660998	13661637	+		0	NA	Intergeni	ALR/Alpha	1763911	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-261	18.88684	0.875517	0.515652	1.697882	0.08953	0.714303	chr19	26139615	26139819	+		0	NA	Intergeni	ALR/Alpha	-1653714	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-4915	21.85807	0.810728	0.478332	1.694909	0.090093	0.714303	chr4	49152320	49160451	+		0	NA	Intergeni	(TCCAT)n|	169743	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-266	30.38459	0.691624	0.408081	1.694821	0.090109	0.714303	chr20	26648921	26650722	+		0	NA	Intergeni	ALR/Alpha	-440588	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-141	45.44727	0.583919	0.344622	1.694376	0.090194	0.714303	chr22	14176654	14177326	+		0	NA	Intergeni	ALR/Alpha	-1351169	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr20-279	27.38078	0.724569	0.428685	1.690211	0.090988	0.718452	chr20	27926919	27928338	+		0	NA	Intergeni	ALR/Alpha	675037	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-418	25.89403	0.742719	0.440284	1.686909	0.091621	0.71932	chr10	41880515	41884924	+		0	NA	Intergeni	(ATGGA)n|	485326	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-119	20.9197	0.824971	0.489069	1.686818	0.091638	0.71932	chr22	11908316	11908571	+		0	NA	intron (N	AluSc|SIN	11037	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr6-6023	67.35557	0.483536	0.287299	1.683045	0.092366	0.720185	chr6	60230200	60230421	+		0	NA	Intergeni	ALR/Alpha	-1343820	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr1-1217	79.11848	0.453712	0.269695	1.682314	0.092508	0.720185	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	254333	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-271	41.60056	0.594263	0.353298	1.682043	0.09256	0.720185	chr20	27133699	27134031	+		0	NA	Intergeni	ALR/Alpha	-924632	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1226	97.49131	0.413837	0.246352	1.679858	0.092985	0.720971	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1126274	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4901	27.31676	0.729287	0.434484	1.678514	0.093247	0.720971	chr5	49010767	49011121	+		0	NA	Intergeni	ALR/Alpha	1430344	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-935	23.43803	0.776526	0.462949	1.677349	0.093474	0.720971	chr21	9358581	9358818	+		0	NA	Intergeni	L1MCa|LIN	-184331	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr1-1237	62.80438	0.49138	0.294529	1.668358	0.095245	0.732503	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2234567	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-141	37.07798	0.619262	0.371873	1.665253	0.095862	0.735128	chr22	14174790	14175016	+		0	NA	Intergeni	ALR/Alpha	-1353256	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr19-255	143.0659	0.351027	0.211315	1.661153	0.096683	0.737548	chr19	25506888	25507124	+		0	NA	Intergeni	ALR/Alpha	-1343559	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4963	85.10523	0.431603	0.25991	1.660588	0.096796	0.737548	chr5	49632594	49633777	+		0	NA	Intergeni	ALR/Alpha	808103	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-270	55.59407	0.516237	0.311075	1.659528	0.097009	0.737548	chr20	27001943	27002487	+		0	NA	Intergeni	ALR/Alpha	-792982	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4892	132.5588	0.359293	0.217368	1.652926	0.098346	0.7392	chr5	48929394	48930439	+		0	NA	Intergeni	ALR/Alpha	1511372	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-348	35.06043	0.642623	0.388825	1.652731	0.098386	0.7392	chr16	34894393	34894605	+		0	NA	Intergeni	(ATTCCATT	-135850	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr10-401	132.0733	0.358888	0.217552	1.649668	0.099011	0.7392	chr10	40135053	40135926	+		0	NA	Intergeni	ALR/Alpha	1438893	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo

chr9-6059	43.74276	0.571093	0.346463	1.64835	0.099281	0.7392	chr9	60591243	60591519	+	0	NA	Intergeni	ALR/Alpha	-323026	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr19-271	143.7219	0.347222	0.211217	1.64391	0.100195	0.7392	chr19	27130498	27130730	+	0	NA	Intergeni	ALR/Alpha	-662817	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-254	102.1126	0.395	0.240319	1.643651	0.100248	0.7392	chr19	25439308	25439602	+	0	NA	Intergeni	ALR/Alpha	-1276008	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4745	96.84643	0.403405	0.24547	1.643397	0.100301	0.7392	chr5	47450737	47451920	+	0	NA	Intergeni	ALR/Alpha	-1754948	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1237	73.26866	0.453826	0.276801	1.63954	0.101101	0.7392	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2271276	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-4949	27.53462	0.712474	0.434725	1.638909	0.101232	0.7392	chr4	49496052	49496304	+	0	NA	Intergeni	MER4E1|LT	509536	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1240	45.8997	0.55637	0.339709	1.637783	0.101467	0.7392	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2488381	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-469	17.56894	0.871394	0.532258	1.637165	0.101596	0.7392	chr18	46967060	46969706	+	0	NA	intron (N	intron (N	-3739	NM_001242	1.01E+08	Hs.729823	NM_001242	ENSG00000	ELOA3D	ELOA3L2|T	elongin A	protein-coding
chr20-273	30.10054	0.669611	0.409688	1.634441	0.102166	0.7392	chr20	27358634	27360558	+	0	NA	Intergeni	ALR/Alpha	-1150363	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-2652	18.08473	0.855969	0.524001	1.633525	0.102359	0.7392	chr1	2652145	2661704	+	0	NA	intron (N	intron (N	-23908	NM_033467	79258	Hs.591453	NM_033467	ENSG00000	MMEL1	MMEL2|NEP	membrane	protein-coding
chr10-399	41.79858	0.576265	0.353021	1.632382	0.102599	0.7392	chr10	39951235	39951549	+	0	NA	Intergeni	ALR/Alpha	1254796	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chrY-5686	18.53989	0.848643	0.520722	1.629742	0.103156	0.7392	chrY	56860336	56861667	+	0	NA	Intergeni	L1MEd|LIN	-93254	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr7-6000	18.60052	0.841426	0.51668	1.628526	0.103413	0.7392	chr7	60006223	60006422	+	0	NA	Intergeni	ALR/Alpha	2556145	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr13-175	39.25107	0.590283	0.362698	1.627478	0.103636	0.7392	chr13	17540080	17540432	+	0	NA	Intergeni	ALR/Alpha	-655041	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-143	26.09546	0.712189	0.438347	1.624716	0.104223	0.7392	chr22	14386492	14386889	+	0	NA	Intergeni	ALR/Alpha	-1141469	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-280	51.04685	0.528839	0.325506	1.624666	0.104234	0.7392	chr20	28022764	28023102	+	0	NA	Intergeni	ALR/Alpha	579732	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-4913	19.60179	0.818032	0.503517	1.624635	0.10424	0.7392	chr4	49135908	49137297	+	0	NA	Intergeni	(TCCAT)n|	149960	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr21-128	22.57529	0.763592	0.470238	1.623841	0.10441	0.7392	chr21	12845729	12846095	+	0	NA	Intergeni	ALR/Alpha	-192254	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr2-8984	21.08911	0.788845	0.485811	1.623769	0.104425	0.7392	chr2	89840280	89841172	+	0	NA	Intergeni	(TGGAA)n|	-202819	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr13-174	18.63253	0.837994	0.516436	1.622647	0.104665	0.7392	chr13	17445426	17445630	+	0	NA	Intergeni	ALR/Alpha	-749769	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-911	20.11815	0.805644	0.49688	1.621406	0.104931	0.7392	chr21	9111941	9112227	+	0	NA	intron (N	intron (N	17677	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr22-149	22.08924	0.770582	0.475572	1.620328	0.105162	0.7392	chr22	14984244	14984602	+	0	NA	Intergeni	ALR/Alpha	-543736	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr21-910	24.48462	0.741182	0.457783	1.619069	0.105432	0.7392	chr21	9103646	9104009	+	0	NA	intron (N	AluSp|SIN	25934	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chrY-5684	23.51367	0.753236	0.465331	1.618713	0.105509	0.7392	chrY	56843600	56843916	+	0	NA	Intergeni	BSR/Beta|	-110497	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr8-8575	22.40984	0.797078	0.492617	1.618047	0.105653	0.7392	chr8	85755559	85755809	+	0	NA	Intergeni	Intergeni	8215	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr21-113	19.11858	0.82784	0.511788	1.617545	0.105761	0.7392	chr21	11334788	11335032	+	0	NA	Intergeni	ALR/Alpha	813396	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr9-4382	21.12055	0.785805	0.485982	1.616942	0.105891	0.7392	chr9	43822664	43822942	+	0	NA	Intergeni	ALR/Alpha	696637	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-269	28.15919	0.68474	0.423712	1.616048	0.106084	0.7392	chr20	26964000	26964259	+	0	NA	Intergeni	ALR/Alpha	-754896	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr12-366	22.54271	0.766442	0.474643	1.614774	0.10636	0.7392	chr12	36678775	36679051	+	0	NA	Intergeni	ALR/Alpha	-1637861	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr5-4789	23.63832	0.742216	0.459846	1.614054	0.106516	0.7392	chr5	47896458	47896774	+	0	NA	Intergeni	ALR/Alpha	-2200236	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-4409	18.66341	0.834461	0.517309	1.61308	0.106727	0.7392	chr9	44090804	44091068	+	0	NA	Intergeni	ALR/Alpha	964770	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr6-5895	24.61041	0.730591	0.453203	1.612058	0.106949	0.7392	chr6	58952907	58953357	+	0	NA	Intergeni	ALR/Alpha	-991686	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1225	20.11645	0.805517	0.501202	1.607169	0.108017	0.744647	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	994668	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4406	21.66779	0.772043	0.48204	1.601616	0.109241	0.749818	chr9	44064256	44064538	+	0	NA	Intergeni	ALR/Alpha	938231	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-270	35.82411	0.604884	0.377767	1.601208	0.109331	0.749818	chr20	27054289	27055659	+	0	NA	Intergeni	ALR/Alpha	-845741	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-255	71.9822	0.444734	0.278143	1.598943	0.109833	0.751328	chr19	25580581	25583614	+	0	NA	Intergeni	ALR/Alpha	-1418650	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-418	43.54908	0.550835	0.345416	1.594698	0.11078	0.7556	chr10	41847792	41848783	+	0	NA	Intergeni	Intergeni	519758	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-267	70.51075	0.448755	0.281598	1.593599	0.111026	0.7556	chr19	26714344	26715330	+	0	NA	Intergeni	ALR/Alpha	-1078594	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-247	42.00227	0.55869	0.351575	1.589107	0.112036	0.757244	chr19	24742808	24743088	+	0	NA	Intergeni	ALR/Alpha	-579501	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-173	32.30337	0.628611	0.396167	1.586732	0.112573	0.757244	chr13	17304358	17305636	+	0	NA	Intergeni	ALR/Alpha	-890300	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr9-6062	37.91702	0.588551	0.371469	1.584389	0.113105	0.757244	chr9	60625747	60625977	+	0	NA	Intergeni	ALR/Alpha	-288545	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr6-5918	87.79137	0.408173	0.257953	1.582357	0.113568	0.757244	chr6	59183848	59184095	+	0	NA	Intergeni	ALR/Alpha	-1222525	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-135	16.17823	0.902932	0.571138	1.580935	0.113893	0.757244	chr22	13588588	13588814	+	0	NA	Intergeni	ALR/Alpha	1691295	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr5-4953	142.726	0.349873	0.22143	1.580058	0.114094	0.757244	chr5	49530989	49531244	+	0	NA	Intergeni	ALR/Alpha	910172	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-150	33.88276	0.613501	0.388499	1.579156	0.1143	0.757244	chr22	15021997	15022198	+	0	NA	Intergeni	ALR/Alpha	-506062	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-415	33.17064	0.640667	0.406246	1.577041	0.114786	0.757244	chr10	41502836	41503108	+	0	NA	Intergeni	ALR/Alpha	865073	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4861	28.2371	0.666385	0.423952	1.571839	0.115988	0.757244	chr5	48617235	48617471	+	0	NA	Intergeni	ALR/Alpha	1823935	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-118	36.2059	0.618238	0.393478	1.571215	0.116133	0.757244	chr21	11893646	11894061	+	0	NA	Intergeni	ALR/Alpha	-1144313	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1237	38.87494	0.577887	0.368303	1.569053	0.116636	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2195799	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-164	27.23413	0.67635	0.432874	1.562464	0.118179	0.757244	chr13	16493714	16494175	+	0	NA	Intergeni	ALR/Alpha	-1701353	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-409	109.5173	0.365979	0.234755	1.558985	0.119	0.757244	chr10	40971771	40972056	+	0	NA	Intergeni	ALR/Alpha	1396132	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr9-4343	16.2516	0.86679	0.556498	1.557579	0.119333	0.757244	chr9	43435219	43435736	+	0	NA	Intergeni	ALR/Alpha	309311	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-911	17.31576	0.831151	0.534183	1.555931	0.119724	0.757244	chr21	9113350	9113796	+	0	NA	intron (N	L1MEf|LIN	16188	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-418	23.29137	0.719645	0.463353	1.553124	0.120394	0.757244	chr10	41854113	41857383	+	0	NA	Intergeni	Intergeni	512297	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-279	20.28813	0.768491	0.494953	1.552654	0.120506	0.757244	chr20	27948760	27949363	+	0	NA	Intergeni	ALR/Alpha	653604	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-274	18.31647	0.806689	0.519577	1.552588	0.120522	0.757244	chr20	27431403	27432398	+	0	NA	Intergeni	ALR/Alpha	1170765	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-794	16.83142	0.842629	0.543365	1.550761	0.120959	0.757244	chr21	7941176	7941590	+	0	NA	Intergeni	(ATTCCATT	-111751	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr6-5927	64.97104	0.449755	0.290241	1.549593	0.121239	0.757244	chr6	59276166	59277273	+	0	NA	Intergeni	ALR/Alpha	-1315273	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-275	18.83282	0.793792	0.512407	1.549143	0.121347	0.757244	chr20	27592547	27593571	+	0	NA	Intergeni	ALR/Alpha	1009606	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-107	19.31717	0.784853	0.506962	1.548148	0.121587	0.757244	chr22	10753490	10754540	+	0	NA	Intergeni	Intergeni	207514	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr20-272	21.80689	0.740974	0.478694	1.547906	0.121645	0.757244	chr20	27254886	27256914	+	0	NA	Intergeni	ALR/Alpha	-1046667	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-118	18.83226	0.793751	0.512794	1.547893	0.121648	0.757244	chr22	11877143	11878751	+	0	NA	Intergeni	AluSx|SIN	-19459	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-279	22.83734	0.722654	0.467078	1.547182	0.121819	0.757244	chr20	27943208	27943685	+	0	NA	Intergeni	ALR/Alpha	659219	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-113	16.86173	0.838705	0.542169	1.546943	0.121877	0.757244	chr21	11345073	11345336	+	0	NA	Intergeni	ALR/Alpha	823690	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr2-8982	18.34735	0.803155	0.519307	1.54659	0.121962	0.757244	chr2	89828404	89831169	+	0	NA	Intergeni	(ATTCC)n|	-191879	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr4-4963	19.83353	0.773198	0.500004	1.546382	0.122012	0.757244	chr4	49632589	49636406	+	0	NA	Intergeni	(GAATG)n|	647855	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr1-1238	48.86337	0.509011	0.329222	1.546101	0.12208	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2353567	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4798	74.47739	0.421953	0.272976	1.545752	0.122164	0.757244	chr5	47981076	47984100	+	0	NA	Intergeni	ALR/Alpha	-2286208	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-266	24.87189	0.693392	0.449218	1.543553	0.122697	0.757244	chr20	26616967	26617987	+	0	NA	Intergeni	ALR/Alpha	-408244	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-118	19.83523	0.773313	0.501156	1.543057	0.122817	0.757244	chr22	11855617	11855822	+	0	NA	Intergeni	Intergeni	-41687	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr14-176	48.41104	0.508233	0.32937	1.543046	0.12282	0.757244	chr14	17640099	17640873	+	0	NA	Intergeni	ALR/Alpha	-960631	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-148	16.37512	0.850573	0.551485	1.542333	0.122993	0.757244	chr22	14886179	14886582	+	0	NA	Intergeni	ALR/Alpha	-641779	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-172	18.8637	0.790354	0.512735	1.541447	0.123208	0.757244	chr14	17288704	17288912	+	0	NA	Intergeni	ALR/Alpha	-1312309	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chrX-6008	68.63031	0.438306	0.284481	1.540724	0.123384	0.757244	chrX	60082828	60083345	+	0	NA	Intergeni	ALR/Alpha	-2172453	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr17-252	215.1588	0.286558	0.186191	1.539054	0.123791	0.757244	chr17	25242887	25243159	+	0	NA	Intergeni	ALR/Alpha	1846218	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr14-168	22.77388	0.72826	0.473203	1.539003	0.123804	0.757244	chr14	16888601	16888883	+	0	NA	Intergeni	ALR/Alpha	-1712375	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-133	26.38726	0.674851	0.438716	1.538242	0.12399	0.757244	chr22	13373646	13373938	+	0	NA	Intergeni	ALR/Alpha	1476386	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-149	44.84555	0.526699	0.343213	1.534613	0.124879	0.757244	chr22	14941650	14941979	+	0	NA	Intergeni	ALR/Alpha	-586345	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr21-925	33.53638	0.597098	0.389127	1.534455	0.124918	0.757244	chr21	9255165	9258628	+	0	NA	Intergeni	Intergeni	-127135	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-276	20.38077	0.758951	0.494672	1.534252	0.124968	0.757244	chr20	27669309	27669731	+	0	NA	Intergeni	ALR/Alpha	933145	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-269	72.45984	0.426863	0.278371	1.533432	0.125169	0.757244	chr19	26919466	26920402	+	0	NA	Intergeni	ALR/Alpha	-873497	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-352	17.89331	0.809421	0.528047	1.532856	0.125311	0.757244	chr12	35275985	35276442	+	0	NA	Intergeni	ALR/Alpha	1253717	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-241	40.10568	0.55318	0.361821	1.528875	0.126296	0.757244	chr17	24150530	24151678	+	0	NA	Intergeni	ALR/Alpha	1627993	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr21-123	46.40737	0.512989	0.335674	1.528233	0.126455	0.757244	chr21	12382427	12383173	+	0	NA	Intergeni	ALR/Alpha	-655366	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr17-229	84.42191	0.398854	0.261654	1.52436	0.127419	0.757244	chr17	22976497	22977768	+	0	NA	Intergeni	ALR/Alpha	454021	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr7-6041	93.91778	0.385104	0.252635	1.524348	0.127422	0.757244	chr7	60418798	60419045	+	0	NA	Intergeni	ALR/Alpha	2885135	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr1-1231	108.4189	0.367596	0.24128	1.523524	0.127628	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1582379	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4530	16.40543	0.846373	0.555715	1.523034	0.12775	0.757244	chr8	45307405	45307669	+	0	NA	Intergeni	ALR/Alpha	1310106	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr21-120	29.91196	0.640759	0.420831	1.522604	0.127858	0.757244	chr21	12066830	12067076	+	0	NA	Intergeni	ALR/Alpha	-971213	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1235	82.88474	0.402733	0.264569	1.52222	0.127954	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2008880	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-170	20.38303	0.759027	0.49908	1.520851	0.128297	0.757244	chr14	17010192	17010426	+	0	NA	Intergeni	ALR/Alpha	-1590808	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1231	75.10254	0.41472	0.272956	1.519365	0.128671	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1657535	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-421	45.9522	0.512145	0.33756	1.517197	0.129217	0.757244	chr10	42104709	42105007	+	0	NA	Intergeni	Intergeni	263187	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr14-168	45.40496	0.515513	0.339964	1.516376	0.129424	0.757244	chr14	16898859	16899735	+	0	NA	Intergeni	ALR/Alpha	-1701820	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1240	100.0082	0.365519	0.242337	1.508308	0.131476	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2525628	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-167	32.62888	0.597452	0.396803	1.505663	0.132154	0.757244	chr13	16782300	16782537	+	0	NA	Intergeni	ALR/Alpha	-1412879	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-166	49.58342	0.492799	0.327314	1.505586	0.132174	0.757244	chr13	16607706	16608087	+	0	NA	Intergeni	ALR/Alpha	-1587401	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-168	30.86138	0.624999	0.415162	1.505435	0.132212	0.757244	chr14	16879325	16880099	+	0	NA	Intergeni	ALR/Alpha	-1721405	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1244	27.52876	0.641232	0.42674	1.502628	0.132935	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2931864	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-174	35.64657	0.570214	0.380333	1.499246	0.13381	0.757244	chr14	17452286	17452530	+	0	NA	Intergeni	ALR/Alpha	-1148709	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-128	25.43414	0.668254	0.446754	1.495799	0.134706	0.757244	chr21	12810209	12810462	+	0	NA	Intergeni	ALR/Alpha	-227831	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr4-5150	25.49477	0.663107	0.443611	1.494792	0.134969	0.757244	chr4	51502708	51503094	+	0	NA	Intergeni	ALR/Alpha	-340099	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr14-169	32.47788	0.607578	0.406797	1.493563	0.13529	0.757244	chr14	16904571	16904798	+	0	NA	Intergeni	ALR/Alpha	-1696433	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-283	24.94753	0.672386	0.450946	1.491057	0.135947	0.757244	chr20	28376406	28376794	+	0	NA	Intergeni	ALR/Alpha	226065	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-266	23.97771	0.681336	0.457196	1.490249	0.136159	0.757244	chr20	26658994	26662401	+	0	NA	Intergeni	ALR/Alpha	-451464	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-529	27.59108	0.636642	0.427263	1.490046	0.136212	0.757244	chr11	52971976	52972197	+	0	NA	Intergeni	ALR/Alpha	1631912	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr17-260	84.13786	0.390302	0.261983	1.4898	0.136277	0.757244	chr17	26006585	26006842	+	0	NA	Intergeni	ALR/Alpha	1082528	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-261	74.75305	0.413918	0.277986	1.488986	0.136491	0.757244	chr19	26195662	26195946	+	0	NA	Intergeni	ALR/Alpha	-1597627	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-4501	37.80691	0.552633	0.372074	1.485277	0.13747	0.757244	chr8	45010390	45011269	+	0	NA	Intergeni	ALR/Alpha	1606814	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr4-4930	23.03876	0.688368	0.464329	1.482502	0.138207	0.757244	chr4	49306119	49309582	+	0	NA	Intergeni	(TTTTGCC)	321208	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-270	21.52113	0.710512	0.479996	1.480247	0.138807	0.757244	chr20	27093248	27093539	+	0	NA	Intergeni	ALR/Alpha	-884160	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-250	17.00026	0.797471	0.539307	1.478696	0.139222	0.757244	chr19	25072757	25073148	+	0	NA	Intergeni	ALR/Alpha	-909505	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-121	22.03693	0.7018	0.47464	1.478594	0.139249	0.757244	chr21	12106174	12108364	+	0	NA	Intergeni	ALR/Alpha	-930897	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chrY-5683	22.03693	0.7018	0.47464	1.478594	0.139249	0.757244	chrY	56835996	56837127	+	0	NA	Intergeni	Intergeni	-117694	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr20-279	20.51986	0.726097	0.491203	1.478202	0.139354	0.757244	chr20	27909837	27911706	+	0	NA	Intergeni	ALR/Alpha	691894	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-143	22.55385	0.693555	0.469256	1.477987	0.139411	0.757244	chr22	14343154	14343538	+	0	NA	Intergeni	ALR/Alpha	-1184813	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr8-8582	16.99969	0.797433	0.53976	1.477384	0.139573	0.757244	chr8	85826562	85828642	+	0	NA	non-codin	non-codin	340	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chrY-5685	18.00097	0.774636	0.524628	1.476545	0.139798	0.757244	chrY	56857511	56857946	+	0	NA	Intergeni	MER41A|LT	-96527	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr14-166	16.51422	0.807914	0.547399	1.475915	0.139967	0.757244	chr14	16699638	16699881	+	0	NA	Intergeni	ALR/Alpha	-1901358	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr4-4926	17.03057	0.793623	0.538083	1.474908	0.140237	0.757244	chr4	49269550	49271544	+	0	NA	Intergeni	L1M4|LINE	283905	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr5-4743	32.7371	0.580411	0.393738	1.474104	0.140454	0.757244	chr5	47434775	47435394	+	0	NA	Intergeni	ALR/Alpha	-1738704	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-173	19.03425	0.751012	0.509568	1.47382	0.14053	0.757244	chr14	17379948	17381063	+	0	NA	Intergeni	ALR/Alpha	-1220612	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding

chr21-127	19.03425	0.751012	0.509568	1.47382	0.14053	0.757244	chr21	12720190	12720564	+	0	NA	Intergeni	ALR/Alpha	-317789	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr2-8983	18.03184	0.771054	0.523186	1.473767	0.140544	0.757244	chr2	89838074	89838780	+	0	NA	Intergeni	(TGGAA)n|	-200520	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr21-937	18.03184	0.771054	0.523186	1.473767	0.140544	0.757244	chr21	9371316	9376764	+	0	NA	Intergeni	Intergeni	-168990	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr18-156	19.03312	0.75093	0.509545	1.473725	0.140556	0.757244	chr18	15693226	15693642	+	0	NA	Intergeni	ALR/Alpha	-367515	NR_027417	644669	Hs.579474	NR_027417	ENSG0000	LOC644669	-	ankyrin r	pseudo
chr1-1230	78.63102	0.393105	0.266792	1.473452	0.140629	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1539418	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr13-170	20.55074	0.722987	0.490677	1.473449	0.14063	0.757244	chr13	17078992	17080614	+	0	NA	Intergeni	ALR/Alpha	-1115494	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr9-4353	18.54877	0.759045	0.515677	1.471938	0.141038	0.757244	chr9	43531157	43531544	+	0	NA	Intergeni	ALR/Alpha	405184	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr12-360	18.5482	0.759003	0.515666	1.471889	0.141051	0.757244	chr12	36011114	36011441	+	0	NA	Intergeni	ALR/Alpha	1988781	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr8-8577	18.5482	0.759003	0.515666	1.471889	0.141051	0.757244	chr8	85770281	85771253	+	0	NA	Intergeni	MIR|SINE|	5326	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr5-4888	64.89975	0.431701	0.293565	1.470549	0.141413	0.757244	chr5	48886114	48886351	+	0	NA	Intergeni	ALR/Alpha	1555056	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr7-5971	19.55061	0.740124	0.503459	1.47008	0.14154	0.757244	chr7	59718357	59718614	+	0	NA	Intergeni	ALR/Alpha	2268308	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr7-5806	18.54764	0.75896	0.51648	1.469486	0.141701	0.757244	chr7	58067473	58067937	+	0	NA	Intergeni	(CCATT)n|	617528	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr16-370	20.00577	0.736273	0.501116	1.469268	0.14176	0.757244	chr16	37073734	37074079	+	0	NA	Intergeni	ALR/Alpha	1327354	NR_033985	400533	Hs.499135	NR_033985	ENSG0000	LINC02167	-	long inte	ncRNA
chr20-272	18.06329	0.767538	0.522494	1.46899	0.141835	0.757244	chr20	27220069	27220666	+	0	NA	Intergeni	ALR/Alpha	-1011134	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr21-910	18.06272	0.767492	0.52291	1.467733	0.142177	0.757244	chr21	9109338	9111375	+	0	NA	intron (N	L1MB2|LIN	19405	NR_038328	1E+08	Hs.487562	NM_174948	ENSG0000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr13-180	19.06513	0.747646	0.509391	1.467726	0.142179	0.757244	chr13	18014970	18016079	+	0	NA	Intergeni	ALR/Alpha	-179773	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr10-412	117.0736	0.337903	0.230241	1.467606	0.142211	0.757244	chr10	41265303	41265743	+	0	NA	Intergeni	ALR/Alpha	1102522	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr21-112	44.4935	0.513717	0.350188	1.466974	0.142383	0.757244	chr21	11256410	11256611	+	0	NA	Intergeni	ALR/Alpha	734996	NM_199260	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTEN	transmemb	protein-coding
chr21-128	64.45138	0.430616	0.293552	1.466917	0.142399	0.757244	chr21	12866804	12867093	+	0	NA	Intergeni	ALR/Alpha	-171218	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr13-172	19.48998	0.746879	0.509712	1.465296	0.14284	0.757244	chr13	17225374	17225596	+	0	NA	Intergeni	ALR/Alpha	-969812	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr22-107	19.03538	0.751106	0.512798	1.464719	0.142998	0.757244	chr22	10738014	10739061	+	0	NA	Intergeni	Intergeni	222992	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr9-4362	19.58035	0.736768	0.503039	1.464635	0.143021	0.757244	chr9	43620852	43621538	+	0	NA	Intergeni	ALR/Alpha	495029	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4910	93.48197	0.363627	0.248597	1.462717	0.143545	0.757244	chr5	49103386	49103688	+	0	NA	Intergeni	ALR/Alpha	1337751	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr4-4963	17.57725	0.77647	0.530973	1.462353	0.143645	0.757244	chr4	49637329	49638324	+	0	NA	Intergeni	(GAATG)n|	651184	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|F	cell wall	protein-coding
chr22-141	33.31521	0.57287	0.391972	1.46151	0.143876	0.757244	chr22	14122680	14122926	+	0	NA	Intergeni	ALR/Alpha	-1405356	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|(	olfactory	protein-coding
chr13-172	20.09728	0.72655	0.497802	1.459517	0.144423	0.757244	chr13	17257731	17258693	+	0	NA	Intergeni	ALR/Alpha	-937085	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr5-4849	21.61377	0.701591	0.481319	1.457644	0.144939	0.757244	chr5	48495931	48496277	+	0	NA	Intergeni	ALR/Alpha	1945184	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr13-179	29.18661	0.605834	0.416907	1.453163	0.146179	0.757244	chr13	17927302	17928704	+	0	NA	Intergeni	ALR/Alpha	-267294	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr19-248	95.56072	0.359969	0.247747	1.452969	0.146232	0.757244	chr19	24894134	24895743	+	0	NA	Intergeni	ALR/Alpha	-731491	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr21-122	29.15573	0.608045	0.418486	1.452965	0.146234	0.757244	chr21	12204650	12204916	+	0	NA	Intergeni	ALR/Alpha	-833383	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1231	50.81076	0.475435	0.327547	1.4515	0.146641	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1599527	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-278	53.56423	0.456769	0.314762	1.451156	0.146736	0.757244	chr20	27860019	27860492	+	0	NA	Intergeni	ALR/Alpha	742410	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr14-172	44.72807	0.496256	0.342559	1.448672	0.147429	0.757244	chr14	17295841	17296551	+	0	NA	Intergeni	ALR/Alpha	-1304921	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr14-166	36.39693	0.544988	0.376664	1.446881	0.14793	0.757244	chr14	16608047	16609255	+	0	NA	Intergeni	ALR/Alpha	-1992466	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4754	144.0885	0.305292	0.211098	1.44621	0.148118	0.757244	chr5	47547411	47547703	+	0	NA	Intergeni	ALR/Alpha	-1851177	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-164	35.9412	0.544334	0.376641	1.445233	0.148392	0.757244	chr13	16485696	16486990	+	0	NA	Intergeni	ALR/Alpha	-1708954	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr10-408	35.39453	0.549111	0.380228	1.444164	0.148693	0.757244	chr10	40898300	40898543	+	0	NA	Intergeni	ALR/Alpha	1469624	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr14-175	22.12843	0.692899	0.479887	1.443881	0.148772	0.757244	chr14	17567673	17567908	+	0	NA	Intergeni	ALR/Alpha	-1033327	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr10-408	27.73075	0.613773	0.425635	1.442015	0.149298	0.757244	chr10	40841572	40841831	+	0	NA	Intergeni	ALR/Alpha	1526344	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr1-1229	59.8951	0.434682	0.301461	1.441915	0.149326	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1414776	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-898	39.58489	0.523963	0.36341	1.441799	0.149359	0.757244	chr21	8987032	8988408	+	0	NA	TTS (NR_	TTS (NR_	103	NR_162105	1.13E+08		NR_162105		MIR10396A	-	microRNA	ncRNA
chr7-5925	74.04838	0.39503	0.27424	1.440457	0.149738	0.757244	chr7	59251605	59251979	+	0	NA	Intergeni	ALR/Alpha	1801615	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr17-262	17.45769	0.792109	0.550405	1.439137	0.150112	0.757244	chr17	26292298	26292508	+	0	NA	Intergeni	ALR/Alpha	796838	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-270	29.309	0.597106	0.415081	1.438528	0.150284	0.757244	chr20	27056661	27056932	+	0	NA	Intergeni	ALR/Alpha	-847563	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr14-172	35.97321	0.542626	0.377517	1.437354	0.150617	0.757244	chr14	17241897	17242129	+	0	NA	Intergeni	ALR/Alpha	-1359104	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4884	133.8833	0.313551	0.218163	1.437231	0.150652	0.757244	chr5	48840394	48840679	+	0	NA	Intergeni	ALR/Alpha	1600752	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-264	69.3564	0.404305	0.281652	1.435476	0.151152	0.757244	chr19	26450187	26451009	+	0	NA	Intergeni	ALR/Alpha	-1342833	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1240	68.85818	0.408367	0.284677	1.434495	0.151431	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2486273	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-411	206.8752	0.274472	0.19155	1.432903	0.151886	0.757244	chr10	41133803	41134111	+	0	NA	Intergeni	ALR/Alpha	1234088	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr10-412	36.00126	0.54075	0.377686	1.431747	0.152216	0.757244	chr10	41283017	41283360	+	0	NA	Intergeni	ALR/Alpha	1084857	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-280	27.79251	0.609216	0.4256	1.431427	0.152308	0.757244	chr20	28012354	28012805	+	0	NA	Intergeni	ALR/Alpha	590086	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr17-259	719.8366	0.194213	0.135837	1.429747	0.15279	0.757244	chr17	25920064	25920376	+	0	NA	Intergeni	ALR/Alpha	1169021	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4886	33.45318	0.554438	0.389194	1.424582	0.154278	0.757244	chr5	48867704	48868015	+	0	NA	Intergeni	ALR/Alpha	1573429	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-274	26.27544	0.622697	0.43713	1.424513	0.154298	0.757244	chr20	27480846	27481262	+	0	NA	Intergeni	ALR/Alpha	1121611	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr21-126	23.72566	0.650748	0.458509	1.41927	0.15582	0.757244	chr21	12657559	12658592	+	0	NA	Intergeni	ALR/Alpha	-380091	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-251	148.0208	0.296508	0.209227	1.417158	0.156437	0.757244	chr19	25146917	25147208	+	0	NA	Intergeni	ALR/Alpha	-983615	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr6-5908	32.96713	0.555847	0.392249	1.417079	0.15646	0.757244	chr6	59083004	59083297	+	0	NA	Intergeni	ALR/Alpha	-1121704	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG0000	LINC00680	-	long inte	ncRNA
chr11-513	22.2069	0.669447	0.473442	1.414001	0.157362	0.757244	chr11	51377837	51378298	+	0	NA	Intergeni	ALR/Alpha	968920	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr21-125	23.69195	0.653319	0.462814	1.411625	0.15806	0.757244	chr21	12569008	12569535	+	0	NA	Intergeni	ALR/Alpha	-468895	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4754	108.2061	0.332464	0.235548	1.411449	0.158112	0.757244	chr5	47544017	47544273	+	0	NA	Intergeni	ALR/Alpha	-1847765	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-168	41.213	0.505633	0.358314	1.411144	0.158202	0.757244	chr14	16846275	16846550	+	0	NA	Intergeni	ALR/Alpha	-1754705	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr21-120	31.45064	0.5645	0.400502	1.409481	0.158693	0.757244	chr21	12037726	12038820	+	0	NA	Intergeni	ALR/Alpha	-999893	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr7-6031	62.72364	0.413469	0.29384	1.407125	0.15939	0.757244	chr7	60310649	60312035	+	0	NA	Intergeni	ALR/Alpha	2861165	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr5-4737	58.52053	0.426517	0.303328	1.406125	0.159687	0.757244	chr5	47377144	47377593	+	0	NA	Intergeni	ALR/Alpha	-1680988	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-532	125.1218	0.327113	0.233232	1.402523	0.160759	0.757244	chr11	53204993	53205235	+	0	NA	Intergeni	ALR/Alpha	1398884	NM_001004	119749	Hs.553564	NM_001004	ENSG0000	OR4C46	-	olfactory	protein-coding
chr5-4938	74.30873	0.383987	0.273816	1.402352	0.16081	0.757244	chr5	49387307	49387572	+	0	NA	Intergeni	ALR/Alpha	1053849	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr13-166	19.72058	0.703039	0.501516	1.401827	0.160967	0.757244	chr13	16652367	16652833	+	0	NA	Intergeni	ALR/Alpha	-1542697	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr8-8564	19.23454	0.70941	0.506248	1.401309	0.161122	0.757244	chr8	85646809	85649081	+	0	NA	Intergeni	Intergeni	7731	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr5-4918	18.6873	0.723042	0.516006	1.401228	0.161146	0.757244	chr5	49186262	49186524	+	0	NA	Intergeni	ALR/Alpha	1254895	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4827	53.73817	0.444963	0.31757	1.401149	0.16117	0.757244	chr5	48274593	48274805	+	0	NA	Intergeni	ALR/Alpha	2166589	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr4-4964	18.71875	0.719632	0.513662	1.400985	0.161219	0.757244	chr4	49645195	49645628	+	0	NA	Intergeni	(GAATG)n|	658769	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|F	cell wall	protein-coding
chr20-277	18.20239	0.730401	0.521537	1.400479	0.16137	0.757244	chr20	27706742	27707600	+	0	NA	Intergeni	ALR/Alpha	895494	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr20-284	29.87238	0.578283	0.412945	1.400389	0.161397	0.757244	chr20	28480882	28482065	+	0	NA	Intergeni	ALR/Alpha	121192	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr4-4928	20.23468	0.693639	0.495398	1.400165	0.161464	0.757244	chr4	49289178	49292530	+	0	NA	Intergeni	Intergeni	304212	NM_001286	80157	Hs.479703	NM_025087	ENSG0000	CWH43	CWH43-C|F	cell wall	protein-coding
chrX-5938	20.23468	0.693639	0.495398	1.400165	0.161464	0.757244	chrX	59380826	59381269	+	0	NA	Intergeni	ALR/Alpha	-1470414	NM_007156	7789	Hs.550094	NM_007156	ENSG0000	ZXDA	ZNF896	zinc fing	protein-coding
chr1-1225	23.78856	0.645458	0.46107	1.399914	0.161539	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1033731	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-121	21.65853	0.680308	0.486055	1.399654	0.161617	0.757244	chr21	12109536	12109939	+	0	NA	Intergeni	ALR/Alpha	-928429	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-143	47.4634	0.468274	0.334627	1.39939	0.161696	0.757244	chr22	14355606	14355957	+	0	NA	Intergeni	ALR/Alpha	-1172378	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|(	olfactory	protein-coding
chr13-165	18.23327	0.72688	0.519616	1.398879	0.161849	0.757244	chr13	16513501	16516666	+	0	NA	Intergeni	ALR/Alpha	-1680214	NR_027278	26080	Hs.448583	NR_027278	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr14-167	17.71748	0.738204	0.527737	1.398812	0.161869	0.757244	chr14	16774624	16775122	+	0	NA	Intergeni	ALR/Alpha	-1826244	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr17-252	17.71691	0.73816	0.527725	1.398759	0.161885	0.757244	chr17	25211314	25211808	+	0	NA	Intergeni	ALR/Alpha	1877680	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr22-107	19.20253	0.712683	0.509514	1.398751	0.161888	0.757244	chr22	10730849	10731741	+	0	NA	Intergeni	AluSz6|SI	230234	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr12-353	20.26612	0.69054	0.493762	1.398529	0.161954	0.757244	chr12	35315778	35316190	+	0	NA	Intergeni	ALR/Alpha	1293488	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-250	53.79993	0.442574	0.316918	1.396496	0.162565	0.757244	chr17	25082625	25082851	+	0	NA	Intergeni	ALR/Alpha	2006503	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-114	19.62794	0.71311	0.511029	1.39544	0.162883	0.757244	chr21	11425745	11425944	+	0	NA	Intergeni	ALR/Alpha	904330	NM_199260	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTEN	transmemb	protein-coding
chr14-164	18.26358	0.723353	0.519245	1.393086	0.163594	0.757244	chr14	16482346	16482652	+	0	NA	Intergeni	ALR/Alpha	-2118618	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr12-352	16.26161	0.764535	0.549047	1.392477	0.163778	0.757244	chr12	35230432	35230639	+	0	NA	Intergeni	ALR/Alpha	1208039	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr20-281	19.78234	0.696595	0.500333	1.392262	0.163843	0.757244	chr20	28112876	28113684	+	0	NA	Intergeni	ALR/Alpha	489385	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr5-4695	18.65812	0.726797	0.522085	1.392104	0.163891	0.757244	chr5	46952763	46953020	+	0	NA	Intergeni	ALR/Alpha	-1256511	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-263	42.41229	0.485991	0.349184	1.391791	0.163986	0.757244	chr19	26390787	26392052	+	0	NA	Intergeni	ALR/Alpha	-1402012	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-4894	18.74793	0.716115	0.514856	1.390903	0.164255	0.757244	chr5	48947667	48948001	+	0	NA	Intergeni	ALR/Alpha	1493454	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr16-328	22.33042	0.658023	0.473685	1.389156	0.164785	0.757244	chr16	32832681	32833129	+	0	NA	Intergeni	LTR49|LTR	52237	NR_003083	386757	Hs.433146	NM_198857	ENSG0000	SLC6A10P	CT-2|CT2|	solute ca	pseudo
chr20-277	19.29573	0.702772	0.506356	1.387901	0.165167	0.757244	chr20	27739506	27740058	+	0	NA	Intergeni	ALR/Alpha	862883	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr10-401	132.8246	0.301768	0.217477	1.387588	0.165263	0.757244	chr10	40127926	40128591	+	0	NA	Intergeni	ALR/Alpha	1431662	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-120	17.7798	0.731057	0.526901	1.387465	0.1653	0.757244	chr21	12099495	12099931	+	0	NA	Intergeni	ALR/Alpha	-938453	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4769	21.81633	0.665689	0.479911	1.387108	0.165409	0.757244	chr5	47690678	47690982	+	0	NA	Intergeni	ALR/Alpha	-1994450	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-246	21.30054	0.673628	0.485729	1.386839	0.165491	0.757244	chr19	24651852	24652058	+	0	NA	Intergeni	ALR/Alpha	-488508	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr14-174	28.44796	0.582335	0.420716	1.384153	0.166312	0.757244	chr14	17482026	17482583	+	0	NA	Intergeni	ALR/Alpha	-1118813	NM_001013	440153	Hs.53488	NM_001013	ENSG0000	OR11H12	-	olfactory	protein-coding
chr1-1228	16.29192	0.760553	0.549742	1.383473	0.16652	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1348163	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr3-9088	17.78037	0.731089	0.528699	1.382808	0.166724	0.757244	chr3	90888591	90889530	+	0	NA	Intergeni	ALR/Alpha	1781439	NM_005233	2042	Hs.123642	NM_005233	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr9-4394	19.78348	0.696647	0.504232	1.3816	0.167095	0.757244	chr9	43940296	43940588	+	0	NA	Intergeni	ALR/Alpha	814276	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-128	20.32788	0.68424	0.495523	1.380844	0.167327	0.757244	chr22	12876505	12876739	+	0	NA	Intergeni	L1PA4|LIN	979216	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-418	40.89523	0.49003	0.354971	1.380479	0.167439	0.757244	chr10	41849703	41852913	+	0	NA	Intergeni	Intergeni	516737	NR_024380	441666	Hs.255729	NR_024380	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-279	28.47658	0.580011	0.42042	1.3796	0.16771	0.757244	chr20	27944593	27945584	+	0	NA	Intergeni	ALR/Alpha	657577	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr1-1227	44.46073	0.47306	0.344241	1.374211	0.169376	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1247738	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-116	25.92793	0.601456	0.438909	1.370345	0.170579	0.757244	chr21	11646860	11647084	+	0	NA	Intergeni	ALR/Alpha	1125458	NM_199260	7179	Hs.122986	NM_199259	ENSG0000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4803	64.0201	0.399418	0.291568	1.369893	0.17072	0.757244	chr5	48031582	48031857	+	0	NA	Intergeni	ALR/Alpha	-2335339	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-273	16.32507	0.756674	0.555401	1.362391	0.173074	0.757244	chr20	27383039	27383343	+	0	NA	Intergeni	ALR/Alpha	-1173958	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4341	25.37956	0.609237	0.447795	1.360527	0.173663	0.757244	chr9	43412403	43412655	+	0	NA	Intergeni	ALR/Alpha	286363	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-402	29.57332	0.567393	0.417361	1.359479	0.173995	0.757244	chr10	40219957	40220157	+	0	NA	Intergeni	ALR/Alpha	1523461	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr9-6388	18.35566	0.712662	0.524882	1.357757	0.174541	0.757244	chr9	63882069	63882408	+	0	NA	Intergeni	MER91A|DN	-22604	NR_033907	642236	Hs.650100	NR_033907		FRG1JP	-	FSHD regi	pseudo
chr17-261	39.85912	0.493805	0.364355	1.355284	0.175327	0.757244	chr17	26144890	26145121	+	0	NA	Intergeni	ALR/Alpha	944236	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-400	26.53693	0.589265	0.435182	1.354066	0.175715	0.757244	chr10	40024595	40024911	+	0	NA	Intergeni	ALR/Alpha	1328157	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1227	32.53151	0.544781	0.402378	1.353905	0.175767	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1184331	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr21-121	19.87272	0.686508	0.507497	1.352732	0.176141	0.757244	chr21	12135235	12135434	+	0	NA	Intergeni	ALR/Alpha	-902832	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr17-259	68.2725	0.383788	0.283766	1.352479	0.176222	0.757244	chr17	25972476	25972720	+	0	NA	Intergeni	ALR/Alpha	1116643	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-257	387.4417	0.211776	0.156612	1.352231	0.176301	0.757244	chr17	25788473	25788729	+	0	NA	Intergeni	ALR/Alpha	1300640	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1245	31.68181	0.539161	0.399139	1.350812	0.176756	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2993728	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-262	18.82136	-0.71642	0.530583	-1.35025	0.176934	0.757244	chr19	26291040	26291244	+	0	NA	Intergeni	ALR/Alpha	-1502289	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr20-284	22.92468	0.628483	0.465595	1.349849	0.177064	0.757244	chr20	28417556	28417949	+	0	NA	Intergeni	ALR/Alpha	184913	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr22-143	19.38837	0.692542	0.513703	1.348137	0.177614	0.757244	chr22	14318516	14318757	+	0	NA	Intergeni	ALR/Alpha	-1209523	NM_001005	81061	Hs.554706	NM_001005	ENSG0000	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-272	23.47136	0.619462	0.459513	1.348083	0.177632	0.757244	chr20	27212045	27212885	+	0	NA	Intergeni	ALR/Alpha	-1003232	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA

chr5-4942	241.5606	0.239695	0.177893	1.347406	0.177849	0.757244	chr5	49423219	49423479	+	0	NA	Intergeni	ALR/Alpha	1017939	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-9090	22.95556	0.62574	0.464561	1.34695	0.177996	0.757244	chr3	90909548	90909775	+	0	NA	Intergeni	ALR/Alpha	1802040	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr20-265	30.65136	0.545934	0.406184	1.344057	0.17893	0.757244	chr20	26532693	26533669	+	0	NA	Intergeni	ALR/Alpha	-323948	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-270	30.64909	0.545827	0.40614	1.343937	0.178969	0.757244	chr20	27017112	27018467	+	0	NA	Intergeni	ALR/Alpha	-808556	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-145	50.38572	0.436113	0.325283	1.34072	0.180011	0.757244	chr22	14520915	14521648	+	0	NA	Intergeni	ALR/Alpha	-1006878	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr17-262	134.959	0.289264	0.215957	1.339451	0.180424	0.757244	chr17	26299347	26299599	+	0	NA	Intergeni	ALR/Alpha	789768	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-173	21.95316	0.636207	0.475228	1.338741	0.180655	0.757244	chr13	17351160	17352977	+	0	NA	Intergeni	ALR/Alpha	-843229	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4714	23.5011	0.616712	0.46085	1.338206	0.180829	0.757244	chr5	47140622	47140896	+	0	NA	Intergeni	ALR/Alpha	-1444379	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-264	46.80408	0.454745	0.340036	1.337345	0.18111	0.757244	chr19	26412831	26413031	+	0	NA	Intergeni	ALR/Alpha	-1380500	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-925	36.95078	0.49667	0.37247	1.333448	0.182385	0.757244	chr21	9251644	9252502	+	0	NA	Intergeni	LTR48B|LT	-122312	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-405	280.5197	0.226086	0.169844	1.331136	0.183144	0.757244	chr10	40593342	40593676	+	0	NA	Intergeni	ALR/Alpha	1774536	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-127	28.64769	0.556299	0.418363	1.329707	0.183615	0.757244	chr21	12791891	12793296	+	0	NA	Intergeni	ALR/Alpha	-245573	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chrY-1129	19.95119	0.660533	0.496923	1.329248	0.183766	0.757244	chrY	11292237	11296471	+	0	NA	Intergeni	Intergeni	1127236	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr14-180	20.34459	0.665176	0.500488	1.329055	0.18383	0.757244	chr14	18005410	18005786	+	0	NA	Intergeni	ALR/Alpha	-595519	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr11-515	20.95133	0.647734	0.48746	1.328793	0.183916	0.757244	chr11	51575720	51576083	+	0	NA	Intergeni	ALR/Alpha	1166754	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr22-118	21.49913	0.637478	0.479836	1.328531	0.184003	0.757244	chr22	11879720	11881760	+	0	NA	Intergeni	AluSz|SIN	-16666	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr14-167	40.03136	0.477538	0.359472	1.328443	0.184032	0.757244	chr14	16780201	16780853	+	0	NA	Intergeni	ALR/Alpha	-1820590	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4911	18.9196	0.67803	0.511179	1.326404	0.184706	0.757244	chr5	49117832	49118132	+	0	NA	Intergeni	ALR/Alpha	1323306	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4894	55.81078	0.412158	0.310931	1.325563	0.184984	0.757244	chr5	48949791	48951004	+	0	NA	Intergeni	ALR/Alpha	1490891	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-253	390.304	0.205081	0.154765	1.325108	0.185135	0.757244	chr17	25383645	25383941	+	0	NA	Intergeni	ALR/Alpha	1705448	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-273	19.46571	0.665767	0.502939	1.323752	0.185586	0.757244	chr20	27389969	27392052	+	0	NA	Intergeni	ALR/Alpha	-1181777	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-279	18.43413	0.684014	0.516805	1.323545	0.185654	0.757244	chr20	27932993	27934425	+	0	NA	Intergeni	ALR/Alpha	668956	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr14-180	27.6161	0.564388	0.426831	1.322275	0.186077	0.757244	chr14	18049613	18051023	+	0	NA	Intergeni	ALR/Alpha	-550799	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4890	53.74422	0.41501	0.313901	1.322104	0.186134	0.757244	chr5	48905902	48906114	+	0	NA	Intergeni	ALR/Alpha	1535280	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-251	40.63979	0.471133	0.356879	1.320149	0.186785	0.757244	chr19	25172111	25172622	+	0	NA	Intergeni	ALR/Alpha	-1008919	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-519	18.9808	0.671324	0.508812	1.319396	0.187037	0.757244	chr11	51925510	51926266	+	0	NA	Intergeni	ALR/Alpha	1516741	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr17-251	31.80476	0.531129	0.403033	1.317831	0.18756	0.757244	chr17	25125379	25125636	+	0	NA	Intergeni	ALR/Alpha	1963734	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-275	27.13006	0.566274	0.429707	1.317815	0.187565	0.757244	chr20	27539269	27542138	+	0	NA	Intergeni	ALR/Alpha	1061962	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr13-174	22.56273	0.621034	0.471767	1.3164	0.18804	0.757244	chr13	17474907	17475145	+	0	NA	Intergeni	ALR/Alpha	-720271	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr6-5897	17.46374	0.697113	0.529677	1.316111	0.188137	0.757244	chr6	58971044	58972374	+	0	NA	Intergeni	ALR/Alpha	-1010263	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-138	50.63219	0.426077	0.32374	1.316106	0.188138	0.757244	chr22	13863503	13863747	+	0	NA	Intergeni	ALR/Alpha	-1664534	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-404	43.78383	0.452749	0.34402	1.316052	0.188157	0.757244	chr10	40440986	40442603	+	0	NA	Intergeni	ALR/Alpha	1745198	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-174	16.94738	0.707963	0.537979	1.315969	0.188185	0.757244	chr14	17437690	17437968	+	0	NA	Intergeni	ALR/Alpha	-1163288	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-133	16.91763	0.711846	0.541186	1.315344	0.188394	0.757244	chr22	13323879	13324483	+	0	NA	Intergeni	ALR/Alpha	1426775	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-274	17.46317	0.69707	0.530125	1.314916	0.188538	0.757244	chr20	27483401	27487888	+	0	NA	Intergeni	ALR/Alpha	1117021	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-516	61.70263	0.388839	0.295928	1.313967	0.188857	0.757244	chr11	51603412	51603668	+	0	NA	Intergeni	ALR/Alpha	1194393	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr9-4353	21.49743	0.637321	0.485055	1.313914	0.188875	0.757244	chr9	43533738	43533951	+	0	NA	Intergeni	ALR/Alpha	407678	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-125	18.43243	0.683939	0.520649	1.313626	0.188972	0.757244	chr21	12509690	12509914	+	0	NA	Intergeni	ALR/Alpha	-528364	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-270	16.4619	0.715645	0.545629	1.311594	0.189657	0.757244	chr20	27077221	27077420	+	0	NA	Intergeni	ALR/Alpha	-868087	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4385	28.49102	0.56771	0.433038	1.310993	0.18986	0.757244	chr9	43854864	43855287	+	0	NA	Intergeni	ALR/Alpha	728909	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-257	19.52804	0.659338	0.503336	1.309936	0.190217	0.757244	chr19	25751514	25751720	+	0	NA	Intergeni	ALR/Alpha	-1588170	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-260	63.82699	0.385028	0.293947	1.309856	0.190244	0.757244	chr19	26049107	26049336	+	0	NA	Intergeni	ALR/Alpha	-1744210	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-9368	18.49475	0.677092	0.517041	1.309554	0.190347	0.757244	chr4	9368109	9368938	+	0	NA	non-codin	non-codin	649	NR_027279	391622	Hs.722658	NR_027279	ENSG00000	USP17L6P	DUB4|USP1	ubiquitin	pseudo
chr21-128	17.98123	0.686973	0.525005	1.308508	0.190701	0.757244	chr21	12883466	12884137	+	0	NA	Intergeni	ALR/Alpha	-154365	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr2-8983	16.49278	0.711807	0.545224	1.305532	0.191712	0.757244	chr2	89832331	89833459	+	0	NA	Intergeni	(ATTCC)n|	-194988	NR_136329	1.02E+08	Hs.578075	NR_136329		LOC101927	-	lysine me	pseudo
chr21-930	16.49278	0.711807	0.545224	1.305532	0.191712	0.757244	chr21	9300367	9308109	+	0	NA	Intergeni	HERVK9-in	-174477	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr3-9088	25.61356	0.577502	0.442524	1.305019	0.191886	0.757244	chr3	90881536	90882088	+	0	NA	Intergeni	ALR/Alpha	1774191	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr13-175	47.47228	0.434458	0.332964	1.30482	0.191954	0.757244	chr13	17517804	17518569	+	0	NA	Intergeni	ALR/Alpha	-677111	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4831	197.0431	0.24707	0.189427	1.304305	0.19213	0.757244	chr5	48316737	48317068	+	0	NA	Intergeni	ALR/Alpha	2124386	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-255	32.33896	0.517375	0.396969	1.303313	0.192468	0.757244	chr19	25520496	25520850	+	0	NA	Intergeni	ALR/Alpha	-1357226	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4904	32.91538	0.510731	0.391937	1.303094	0.192543	0.757244	chr5	49041535	49041747	+	0	NA	Intergeni	ALR/Alpha	1399647	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-229	26.67772	0.56606	0.43466	1.302304	0.192812	0.757244	chr17	22935135	22935856	+	0	NA	Intergeni	ALR/Alpha	412384	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-401	17.52606	0.689923	0.530747	1.299909	0.193632	0.757244	chr10	40141913	40142351	+	0	NA	Intergeni	ALR/Alpha	1445536	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4769	31.75858	0.524155	0.403334	1.299554	0.193754	0.757244	chr5	47694559	47697120	+	0	NA	Intergeni	ALR/Alpha	-1999459	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4790	147.6367	0.271607	0.209014	1.29947	0.193783	0.757244	chr5	47907373	47907619	+	0	NA	Intergeni	ALR/Alpha	-2211116	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5968	25.1584	0.577313	0.444629	1.298414	0.194145	0.757244	chr6	59684889	59685438	+	0	NA	Intergeni	ALR/Alpha	-1723717	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr3-9370	24.58084	0.587428	0.453028	1.296669	0.194745	0.757244	chr3	93705721	93707117	+	0	NA	Intergeni	ALR/Alpha	267662	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr13-179	20.01068	0.653979	0.504531	1.296212	0.194903	0.757244	chr13	17981163	17981571	+	0	NA	Intergeni	ALR/Alpha	-213930	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-410	21.5929	0.628582	0.485064	1.295873	0.195019	0.757244	chr10	41013782	41013998	+	0	NA	Intergeni	ALR/Alpha	1354155	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-134	37.09101	0.480709	0.370992	1.295738	0.195066	0.757244	chr22	13488846	13490063	+	0	NA	Intergeni	ALR/Alpha	1592048	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr14-175	35.90022	0.510015	0.393722	1.295367	0.195194	0.757244	chr14	17511990	17512256	+	0	NA	Intergeni	ALR/Alpha	-1088994	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-166	35.52805	0.496462	0.383263	1.295355	0.195198	0.757244	chr13	16647738	16647990	+	0	NA	Intergeni	ALR/Alpha	-1547433	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-262	45.97392	0.442084	0.341612	1.29411	0.195627	0.757244	chr19	26266553	26266806	+	0	NA	Intergeni	ALR/Alpha	-1526752	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-249	37.09157	0.480733	0.3715	1.294033	0.195654	0.757244	chr19	24988018	24988561	+	0	NA	Intergeni	ALR/Alpha	-824842	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-172	41.69092	0.460046	0.355772	1.293091	0.19598	0.757244	chr14	17226530	17226874	+	0	NA	Intergeni	ALR/Alpha	-1374415	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-121	25.22016	0.572368	0.444398	1.287963	0.197759	0.757244	chr21	12175920	12176757	+	0	NA	Intergeni	ALR/Alpha	-861828	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr7-6048	56.3141	0.40726	0.316373	1.287277	0.197998	0.757244	chr7	60481835	60482157	+	0	NA	Intergeni	ALR/Alpha	2822060	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr11-513	23.6419	0.590191	0.458639	1.286829	0.198154	0.757244	chr11	51374616	51375048	+	0	NA	Intergeni	ALR/Alpha	965685	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-524	35.51162	0.488609	0.38	1.285813	0.198508	0.757244	chr11	52492878	52493167	+	0	NA	Intergeni	ALR/Alpha	2083875	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr21-114	26.76753	0.558842	0.434966	1.284794	0.198864	0.757244	chr21	11445992	11446216	+	0	NA	Intergeni	ALR/Alpha	924590	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr13-171	22.62562	0.615157	0.478904	1.284512	0.198963	0.757244	chr13	17143233	17143569	+	0	NA	Intergeni	ALR/Alpha	-1051896	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr9-6061	29.81893	0.528415	0.411622	1.283738	0.199234	0.757244	chr9	60610046	60611370	+	0	NA	Intergeni	ALR/Alpha	-303699	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr20-275	23.67278	0.587551	0.457717	1.283655	0.199263	0.757244	chr20	27579093	27580829	+	0	NA	Intergeni	ALR/Alpha	1022704	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-279	29.81837	0.528391	0.411835	1.283017	0.199486	0.757244	chr20	27974123	27976045	+	0	NA	Intergeni	ALR/Alpha	627581	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-270	23.12611	0.595775	0.464553	1.282468	0.199678	0.757244	chr19	27028007	27029010	+	0	NA	Intergeni	ALR/Alpha	-764923	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-412	33.4952	0.504364	0.393382	1.282123	0.199799	0.757244	chr10	41295891	41296133	+	0	NA	Intergeni	ALR/Alpha	1072033	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-178	36.11948	0.481253	0.375523	1.281553	0.199999	0.757244	chr13	17885386	17885666	+	0	NA	Intergeni	ALR/Alpha	-309771	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-273	61.35568	0.379093	0.296256	1.279616	0.20068	0.757244	chr20	27350590	27351065	+	0	NA	Intergeni	ALR/Alpha	-1141594	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-144	17.55468	0.685956	0.536513	1.278543	0.201058	0.757244	chr22	14472461	14472692	+	0	NA	Intergeni	ALR/Alpha	-1055583	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr22-143	30.91454	0.518175	0.405398	1.278189	0.201183	0.757244	chr22	14338096	14338311	+	0	NA	Intergeni	ALR/Alpha	-1189956	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-172	23.18617	0.590263	0.462552	1.276099	0.201921	0.757244	chr14	17236296	17237797	+	0	NA	Intergeni	ALR/Alpha	-1364071	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-8580	20.10729	0.644514	0.506173	1.273306	0.202909	0.757244	chr8	85809936	85810176	+	0	NA	Intergeni	MIR|SINE|	-6495	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr20-278	29.39521	0.525334	0.412946	1.27216	0.203316	0.757244	chr20	27855025	27856421	+	0	NA	Intergeni	ALR/Alpha	746942	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr14-172	23.21818	0.587648	0.462078	1.271751	0.203462	0.757244	chr14	17201491	17202945	+	0	NA	Intergeni	ALR/Alpha	-1398899	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-165	21.63879	0.608124	0.478258	1.271541	0.203536	0.757244	chr13	16563710	16563962	+	0	NA	Intergeni	ALR/Alpha	-1631461	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-251	113.4826	0.298149	0.234621	1.270768	0.203811	0.757244	chr19	25143542	25143786	+	0	NA	Intergeni	ALR/Alpha	-980217	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-168	24.2492	0.577038	0.454397	1.269898	0.204121	0.757244	chr13	16860006	16860701	+	0	NA	Intergeni	ALR/Alpha	-1334944	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-250	30.45938	0.51706	0.407711	1.268204	0.204725	0.757244	chr19	25034259	25034905	+	0	NA	Intergeni	ALR/Alpha	-871135	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-265	30.97574	0.514101	0.405499	1.267823	0.204861	0.757244	chr19	26531815	26532015	+	0	NA	Intergeni	ALR/Alpha	-1261516	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chrY-5683	21.15275	0.611625	0.483756	1.264326	0.206113	0.757244	chrY	56830691	56834738	+	0	NA	Intergeni	Intergeni	-121541	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty h	protein-coding
chr14-165	20.60664	0.62151	0.491597	1.264267	0.206134	0.757244	chr14	16515591	16515793	+	0	NA	Intergeni	ALR/Alpha	-2085425	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr11-511	34.08776	0.488074	0.386253	1.263615	0.206368	0.757244	chr11	51186273	51187153	+	0	NA	Intergeni	ALR/Alpha	777566	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-511	20.60608	0.62148	0.491959	1.263277	0.20649	0.757244	chr11	51114066	51114373	+	0	NA	Intergeni	ALR/Alpha	705072	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1217	78.41343	0.338495	0.267996	1.263058	0.206568	0.757244	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	Intergeni	249081	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-171	20.63809	0.618478	0.489733	1.262888	0.20663	0.757244	chr14	17128296	17128907	+	0	NA	Intergeni	ALR/Alpha	-1472516	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-272	20.63809	0.618478	0.489733	1.262888	0.20663	0.757244	chr20	27257976	27259977	+	0	NA	Intergeni	ALR/Alpha	-1049743	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-418	21.18476	0.60875	0.482243	1.262329	0.20683	0.757244	chr10	41843421	41844321	+	0	NA	Intergeni	Intergeni	524174	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-264	68.37401	0.357559	0.283258	1.26231	0.206837	0.757244	chr19	26410342	26411325	+	0	NA	Intergeni	ALR/Alpha	-1382598	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-146	28.36193	0.532	0.421591	1.261888	0.206989	0.757244	chr22	14658525	14659990	+	0	NA	Intergeni	ALR/Alpha	-868902	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4875	72.44595	0.357972	0.283727	1.261677	0.207065	0.757244	chr5	48759333	48759542	+	0	NA	Intergeni	ALR/Alpha	1681851	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-530	29.86795	0.535742	0.425138	1.26016	0.207612	0.757244	chr11	53099267	53099525	+	0	NA	Intergeni	ALR/Alpha	1504602	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr22-133	20.66897	0.615445	0.488402	1.260121	0.207626	0.757244	chr22	13396334	13396590	+	0	NA	Intergeni	ALR/Alpha	1499056	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-121	20.15204	0.6224	0.494486	1.25868	0.208146	0.757244	chr21	12160825	12161134	+	0	NA	Intergeni	ALR/Alpha	-877187	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-278	20.69928	0.612396	0.487582	1.255985	0.209121	0.757244	chr20	27847586	27847967	+	0	NA	Intergeni	ALR/Alpha	754889	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5992	21.732	0.599529	0.477557	1.255408	0.209331	0.757244	chr7	59925823	59926079	+	0	NA	Intergeni	ALR/Alpha	2475774	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4827	128.7931	0.276429	0.220236	1.255148	0.209425	0.757244	chr5	48272811	48273035	+	0	NA	Intergeni	ALR/Alpha	2168365	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr18-168	20.18292	0.619308	0.493536	1.254837	0.209538	0.757244	chr18	16858644	16859131	+	0	NA	Intergeni	ALR/Alpha	-1532968	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-276	22.24666	0.593411	0.473347	1.253649	0.20997	0.757244	chr20	27608992	27609341	+	0	NA	Intergeni	ALR/Alpha	993499	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-268	19.12046	0.637627	0.508981	1.252754	0.210295	0.757244	chr20	26848548	26851433	+	0	NA	Intergeni	ALR/Alpha	-640757	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1226	33.59945	0.488367	0.390268	1.251361	0.210803	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1110038	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1239	56.7552	0.385775	0.308444	1.250711	0.21104	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2466688	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9095	27.23997	0.546506	0.437088	1.250334	0.211178	0.757244	chr3	90950093	90950478	+	0	NA	Intergeni	ALR/Alpha	1842664	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr20-280	19.69801	0.623455	0.499276	1.248718	0.211768	0.757244	chr20	28046022	28048090	+	0	NA	Intergeni	ALR/Alpha	555609	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr13-173	28.42312	0.527574	0.422565	1.248502	0.211847	0.757244	chr13	17335012	17335293	+	0	NA	Intergeni	ALR/Alpha	-860145	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr13-173	27.36406	0.537135	0.430435	1.247889	0.212072	0.757244	chr13	17383427	17383833	+	0	NA	Intergeni	ALR/Alpha	-811667	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-252	210.0439	0.242211	0.194285	1.246681	0.212515	0.757244	chr19	25248067	25248313	+	0	NA	Intergeni	ALR/Alpha	-1084743	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-237	26.8443	0.540707	0.433863	1.246264	0.212668	0.757244	chr17	23733638	23733877	+	0	NA	Intergeni	ALR/Alpha	1210646	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1242	26.26732	0.549516	0.441115	1.245743	0.212859	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2758211	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-136	18.66643	0.639099	0.513029	1.245737	0.212861	0.757244	chr22	13666516	13667246	+	0	NA	Intergeni	ALR/Alpha	1769475	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr13-173	19.18109	0.630986	0.506556	1.245639	0.212897	0.757244	chr13	17392463	17393600	+	0	NA	Intergeni	ALR/Alpha	-802266	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr8-8573	18.6653	0.639014	0.513006	1.245627	0.212902	0.757244	chr8	85733246	85737906	+	0	NA	promoter-	promoter-	-722	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr21-111	19.69915	0.623531	0.500883	1.244864	0.213182	0.757244	chr21	11193847	11194057	+	0	NA	Intergeni	ALR/Alpha	672438	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding

chr22-141	42.47046	0.438981	0.352653	1.244797	0.213206	0.757244	chr22	14107278	14107651	+	0	NA	Intergeni	ALR/Alpha	-1420695	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr22-136	36.68343	0.468454	0.376449	1.244403	0.213351	0.757244	chr22	13638176	13638442	+	0	NA	Intergeni	ALR/Alpha	1740903	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1228	41.46749	0.43988	0.353533	1.244241	0.213411	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1360849	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr9-4474	41.49724	0.438331	0.352363	1.243977	0.213508	0.757244	chr9	44740829	44741127	+	0	NA	Intergeni	ALR/Alpha	1614812	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr21-128	25.81329	0.548742	0.441322	1.243404	0.213719	0.757244	chr21	12817704	12818109	+	0	NA	Intergeni	ALR/Alpha	-220260	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-143	18.18038	0.644054	0.518991	1.240972	0.214616	0.757244	chr22	14376671	14378838	+	0	NA	Intergeni	ALR/Alpha	-1150405	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-267	45.15594	0.421738	0.340044	1.240244	0.214885	0.757244	chr20	26784756	26785071	+	0	NA	Intergeni	ALR/Alpha	-575680	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr1-1231	34.18154	0.482613	0.389135	1.240221	0.214894	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1596119	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr14-166	17.66459	0.652919	0.526481	1.240156	0.214918	0.757244	chr14	16635790	16638933	+	0	NA	Intergeni	ALR/Alpha	-1963756	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr20-268	17.66459	0.652919	0.526481	1.240156	0.214918	0.757244	chr20	26818208	26820931	+	0	NA	Intergeni	ALR/Alpha	-610336	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr21-918	22.7956	0.584926	0.471742	1.239928	0.215002	0.757244	chr21	9181070	9181403	+	0	NA	Intergeni	AluSz|SIN	-51475	NR_038329	1E+08	Hs.487562	NM_174948	ENSG0000(	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr22-119	18.17982	0.644013	0.519864	1.238811	0.215416	0.757244	chr22	11929636	11934415	+	0	NA	intron (N	intron (N	34619	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr10-407	32.05094	0.495546	0.400398	1.237634	0.215852	0.757244	chr10	40755976	40756679	+	0	NA	Intergeni	ALR/Alpha	1611718	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr1-1236	25.35982	0.548075	0.443023	1.237127	0.21604	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2155010	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr10-412	18.57152	0.649393	0.524968	1.237015	0.216082	0.757244	chr10	41278485	41278784	+	0	NA	Intergeni	ALR/Alpha	1089411	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr22-118	21.24822	0.602897	0.487518	1.236665	0.216211	0.757244	chr22	11883138	11883736	+	0	NA	Intergeni	Intergeni	-13969	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr17-263	88.46334	0.320749	0.25941	1.236457	0.216289	0.757244	chr17	26328659	26328911	+	0	NA	Intergeni	ALR/Alpha	760456	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr14-180	64.75951	0.358784	0.290196	1.236349	0.216329	0.757244	chr14	18072546	18072885	+	0	NA	Intergeni	ALR/Alpha	-528402	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr20-268	25.35869	0.548017	0.443561	1.235493	0.216647	0.757244	chr20	26865891	26867726	+	0	NA	Intergeni	ALR/Alpha	-657575	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr20-278	16.60156	0.676158	0.547455	1.235093	0.216796	0.757244	chr20	27840157	27843221	+	0	NA	Intergeni	ALR/Alpha	760976	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr10-420	16.63301	0.672333	0.544409	1.234979	0.216838	0.757244	chr10	42093916	42094984	+	0	NA	Intergeni	Intergeni	273595	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr20-268	18.21126	0.640627	0.518801	1.234821	0.216897	0.757244	chr20	26827493	26828701	+	0	NA	Intergeni	ALR/Alpha	-618864	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr11-522	17.17968	0.658672	0.533432	1.234782	0.216912	0.757244	chr11	52228068	52228294	+	0	NA	Intergeni	ALR/Alpha	1819034	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-174	17.17968	0.658672	0.533432	1.234782	0.216912	0.757244	chr14	17495848	17498036	+	0	NA	Intergeni	ALR/Alpha	-1104175	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr7-6025	85.03836	0.321444	0.260408	1.234384	0.21706	0.757244	chr7	60250524	60250869	+	0	NA	Intergeni	ALR/Alpha	2800519	NM_001159	441234	Hs.533121	NM_001159	ENSG0000(	ZNF716	-	zinc fing	protein-coding
chr12-349	17.69491	0.649344	0.526125	1.234201	0.217128	0.757244	chr12	34944057	34944435	+	0	NA	Intergeni	ALR/Alpha	921750	NM_032834	84920	Hs.102971	NM_032834	ENSG0000(	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr13-171	18.2107	0.640577	0.519673	1.232653	0.217705	0.757244	chr13	17166434	17166652	+	0	NA	Intergeni	ALR/Alpha	-1028754	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr20-283	18.2107	0.640577	0.519673	1.232653	0.217705	0.757244	chr20	28331794	28332850	+	0	NA	Intergeni	ALR/Alpha	270343	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr5-4849	79.22102	0.327497	0.266144	1.230524	0.218501	0.757244	chr5	48498089	48498367	+	0	NA	Intergeni	ALR/Alpha	1943060	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr18-207	16.60043	0.676126	0.549468	1.230511	0.218506	0.757244	chr18	20732895	20733216	+	0	NA	Intergeni	ALR/Alpha	378758	NM_005406	6093	Hs.306307	NM_005406	ENSG0000(	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr21-114	16.66445	0.668596	0.543684	1.229752	0.21879	0.757244	chr21	11450079	11450309	+	0	NA	Intergeni	ALR/Alpha	928680	NM_19926(	7179	Hs.122986	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-272	17.21056	0.655041	0.533141	1.228646	0.219205	0.757244	chr20	27272350	27273415	+	0	NA	Intergeni	ALR/Alpha	-1063649	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr10-389	16.69364	0.664685	0.541176	1.228225	0.219363	0.757244	chr10	38918348	38920911	+	0	NA	Intergeni	(GAATG)n|	223033	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-415	26.38914	0.539839	0.439619	1.22797	0.219458	0.757244	chr10	41533473	41534572	+	0	NA	Intergeni	ALR/Alpha	834023	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr5-4885	61.67949	0.363872	0.296347	1.227858	0.2195	0.757244	chr5	48850737	48851635	+	0	NA	Intergeni	ALR/Alpha	1590102	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr21-117	19.18449	0.631257	0.514148	1.227773	0.219532	0.757244	chr21	11703771	11703970	+	0	NA	Intergeni	ALR/Alpha	1182356	NM_19926(	7179	Hs.122986	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4924	53.72391	0.386418	0.314878	1.227198	0.219748	0.757244	chr5	49243227	49244216	+	0	NA	Intergeni	ALR/Alpha	1197567	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr5-1752	24.90522	0.547374	0.446254	1.226596	0.219974	0.757244	chr5	17525161	17530394	+	0	NA	Intergeni	Intergeni	83767	NR_134271	1.03E+08		NR_13427(	ENSG0000(	LINC02218	-	long inte	ncRNA
chr13-180	31.65981	0.490268	0.399874	1.226056	0.220177	0.757244	chr13	18018909	18019145	+	0	NA	Intergeni	ALR/Alpha	-176270	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr14-167	55.80209	0.378958	0.309234	1.225472	0.220397	0.757244	chr14	16729999	16730374	+	0	NA	Intergeni	ALR/Alpha	-1870931	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr19-249	23.81188	0.561569	0.458986	1.223499	0.221141	0.757244	chr19	24944707	24946356	+	0	NA	Intergeni	ALR/Alpha	-782084	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000(	HAVCR1P1	-	hepatitis	pseudo
chr22-118	16.20929	0.671224	0.548822	1.223025	0.22132	0.757244	chr22	11895722	11897831	+	0	NA	promoter-	promoter-	-630	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1231	35.3202	0.463452	0.379254	1.222009	0.221704	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1588838	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr17-261	30.08268	0.500145	0.409426	1.221578	0.221867	0.757244	chr17	26127964	26128234	+	0	NA	Intergeni	ALR/Alpha	961142	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-271	23.87307	0.556278	0.455493	1.221265	0.221986	0.757244	chr20	27116178	27118378	+	0	NA	Intergeni	ALR/Alpha	-908045	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr20-284	23.87307	0.556278	0.455493	1.221265	0.221986	0.757244	chr20	28462988	28464357	+	0	NA	Intergeni	ALR/Alpha	138993	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr22-141	23.81244	0.561627	0.459925	1.221128	0.222038	0.757244	chr22	14117129	14118585	+	0	NA	Intergeni	ALR/Alpha	-1410302	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr11-515	43.60969	0.424836	0.348235	1.219966	0.222478	0.757244	chr11	51578786	51579031	+	0	NA	Intergeni	ALR/Alpha	1169761	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4786	75.52861	0.332674	0.272714	1.219864	0.222516	0.757244	chr5	47863910	47865016	+	0	NA	Intergeni	ALR/Alpha	-2168083	NM_021072	348980	Hs.353176	NM_021072	ENSG0000(	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr21-127	17.24144	0.651394	0.534027	1.219776	0.22255	0.757244	chr21	12717051	12717427	+	0	NA	Intergeni	ALR/Alpha	-320927	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-137	43.12308	0.424331	0.34826	1.218431	0.22306	0.757244	chr22	13779661	13780537	+	0	NA	Intergeni	ALR/Alpha	-1748060	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr17-258	17.24031	0.651286	0.534963	1.21744	0.223437	0.757244	chr17	25839093	25839313	+	0	NA	Intergeni	ALR/Alpha	1250038	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-405	29.56689	0.502953	0.413578	1.216102	0.223946	0.757244	chr10	40509151	40509498	+	0	NA	Intergeni	ALR/Alpha	1812728	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-266	62.78954	0.35659	0.293261	1.215947	0.224005	0.757244	chr19	26655306	26656367	+	0	NA	Intergeni	ALR/Alpha	-1137595	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr21-122	23.35615	0.560981	0.461356	1.215938	0.224008	0.757244	chr21	12277701	12280292	+	0	NA	Intergeni	ALR/Alpha	-759170	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1241	63.30364	0.356367	0.29319	1.21548	0.224183	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2645208	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr21-121	34.83303	0.463428	0.382632	1.211156	0.225836	0.757244	chr21	12194562	12194827	+	0	NA	Intergeni	ALR/Alpha	-843472	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr3-9086	42.66735	0.422386	0.349117	1.209869	0.226329	0.757244	chr3	90868511	90869688	+	0	NA	Intergeni	ALR/Alpha	1761478	NM_005233	2042	Hs.123642	NM_005233	ENSG0000(	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr9-4352	28.56449	0.506577	0.418923	1.209237	0.226572	0.757244	chr9	43524904	43525456	+	0	NA	Intergeni	ALR/Alpha	399014	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr17-264	98.52807	0.295328	0.244351	1.208625	0.226807	0.757244	chr17	26468498	26468746	+	0	NA	Intergeni	ALR/Alpha	620619	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-126	34.86617	0.46175	0.382165	1.208249	0.226951	0.757244	chr21	12653479	12653725	+	0	NA	Intergeni	ALR/Alpha	-384564	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1246	228.4944	0.217254	0.179825	1.208143	0.226992	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3098301	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr5-4881	68.65221	0.341502	0.282696	1.20802	0.22704	0.757244	chr5	48810843	48811813	+	0	NA	Intergeni	ALR/Alpha	1629960	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr15-170	33.77	0.469046	0.388624	1.20694	0.227455	0.757244	chr15	17000383	17000771	+	0	NA	Intergeni	ALR/Alpha	-3282167	NR_038836	646096	Hs.448789	NR_038836	ENSG0000(	CHEK2P2	-	checkpoin	pseudo
chr1-1228	42.15269	0.423464	0.350964	1.206574	0.227596	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1370407	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr22-137	22.35658	0.568448	0.471214	1.206349	0.227683	0.757244	chr22	13769437	13769782	+	0	NA	Intergeni	ALR/Alpha	-1758550	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr5-4925	29.65783	0.496599	0.411689	1.206247	0.227722	0.757244	chr5	49252151	49252758	+	0	NA	Intergeni	ALR/Alpha	1188834	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr19-265	55.92844	0.374543	0.310591	1.205904	0.227854	0.757244	chr19	26572458	26573802	+	0	NA	Intergeni	ALR/Alpha	-1220301	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr20-267	17.27119	0.647572	0.537045	1.205807	0.227892	0.757244	chr20	26779108	26779529	+	0	NA	Intergeni	ALR/Alpha	-570085	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr13-173	37.85298	0.449575	0.373291	1.204357	0.228452	0.757244	chr13	17376642	17377126	+	0	NA	Intergeni	ALR/Alpha	-818413	NR_027278	26080	Hs.448583	NR_027278	ENSG0000(	FAM230C	LINC00281	family wi	ncRNA
chr10-414	21.8082	0.576619	0.479146	1.20343	0.22881	0.757244	chr10	41471042	41471248	+	0	NA	Intergeni	ALR/Alpha	896900	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr22-140	21.84022	0.573792	0.476813	1.203389	0.228826	0.757244	chr22	14081997	14083740	+	0	NA	Intergeni	ALR/Alpha	-1445291	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr22-150	22.90438	0.560673	0.467234	1.199982	0.230146	0.757244	chr22	15004799	15005856	+	0	NA	Intergeni	ALR/Alpha	-522832	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-283	16.27162	0.663427	0.55296	1.199774	0.230227	0.757244	chr20	28391483	28391904	+	0	NA	Intergeni	ALR/Alpha	210972	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr5-4881	50.53652	0.393316	0.327893	1.199526	0.230323	0.757244	chr5	48813326	48813561	+	0	NA	Intergeni	ALR/Alpha	1627845	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr12-358	18.30334	0.630031	0.525638	1.198602	0.230683	0.757244	chr12	35832113	35832443	+	0	NA	Intergeni	ALR/Alpha	1809782	NM_032834	84920	Hs.102971	NM_032834	ENSG0000(	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-260	22.87407	0.563454	0.470171	1.198402	0.230761	0.757244	chr19	26095391	26095759	+	0	NA	Intergeni	ALR/Alpha	-1697856	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr14-174	21.90084	0.568039	0.474557	1.19699	0.231311	0.757244	chr14	17473457	17475206	+	0	NA	Intergeni	ALR/Alpha	-1126786	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr3-9085	21.35361	0.576394	0.481719	1.196536	0.231488	0.757244	chr3	90850749	90850948	+	0	NA	Intergeni	ALR/Alpha	1743227	NM_005233	2042	Hs.123642	NM_005233	ENSG0000(	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr20-272	21.90028	0.568003	0.475582	1.194333	0.232348	0.757244	chr20	27286808	27287018	+	0	NA	Intergeni	ALR/Alpha	-1077680	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr19-271	50.69035	0.387034	0.324308	1.193416	0.232706	0.757244	chr19	27105792	27106075	+	0	NA	Intergeni	ALR/Alpha	-687498	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr9-4459	21.29411	0.582556	0.488189	1.193299	0.232752	0.757244	chr9	44593875	44594385	+	0	NA	Intergeni	ALR/Alpha	1467964	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr9-4415	55.50132	0.371401	0.311318	1.192996	0.232871	0.757244	chr9	44150633	44150985	+	0	NA	Intergeni	ALR/Alpha	1024643	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chrY-5684	27.07774	0.511476	0.429185	1.191737	0.233364	0.757244	chrY	56845276	56845583	+	0	NA	Intergeni	BSR/Beta|	-108826	NM_00584(	10251	Hs.381912	NM_00584(	ENSG0000(	SPRY3	spry-3	sprouty R	protein-coding
chr21-115	21.41593	0.570636	0.479477	1.190122	0.233998	0.757244	chr21	11554624	11555723	+	0	NA	Intergeni	ALR/Alpha	1033659	NM_19926(	7179	Hs.122986	NM_199259	ENSG0000(	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1246	37.03869	0.440816	0.371229	1.187448	0.235051	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3142981	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr21-119	27.10919	0.509235	0.428885	1.187347	0.235091	0.757244	chr21	11978926	11980092	+	0	NA	Intergeni	ALR/Alpha	-1058657	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-277	20.35403	0.585367	0.493099	1.187118	0.235181	0.757244	chr20	27749107	27752316	+	0	NA	Intergeni	ALR/Alpha	851954	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr10-403	32.86363	0.465678	0.392661	1.185955	0.23564	0.757244	chr10	40346491	40346740	+	0	NA	Intergeni	ALR/Alpha	1650019	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-5969	27.07944	0.511589	0.431552	1.185464	0.235834	0.757244	chr6	59693022	59693223	+	0	NA	Intergeni	ALR/Alpha	-1731676	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG0000(	LINC0068(	-	long inte	ncRNA
chr5-4739	20.90127	0.57639	0.486403	1.185004	0.236016	0.757244	chr5	47397705	47397909	+	0	NA	Intergeni	ALR/Alpha	-1701427	NM_021072	348980	Hs.353176	NM_021072	ENSG0000(	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1242	36.52177	0.442216	0.373237	1.184811	0.236092	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2731896	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr22-141	21.4148	0.570552	0.481598	1.184706	0.236134	0.757244	chr22	14178196	14178422	+	0	NA	Intergeni	ALR/Alpha	-1349850	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr10-415	31.77029	0.473678	0.399994	1.184213	0.236329	0.757244	chr10	41516287	41517559	+	0	NA	Intergeni	ALR/Alpha	851122	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr1-1246	77.37345	0.321521	0.271643	1.183615	0.236565	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3112393	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr7-5971	19.86799	0.588493	0.497366	1.183217	0.236723	0.757244	chr7	59711804	59713534	+	0	NA	Intergeni	ALR/Alpha	2262492	NM_001159	441234	Hs.533121	NM_001159	ENSG0000(	ZNF716	-	zinc fing	protein-coding
chr20-267	21.44738	0.567784	0.479956	1.182992	0.236812	0.757244	chr20	26718715	26719245	+	0	NA	Intergeni	ALR/Alpha	-509747	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr9-4360	21.96374	0.562454	0.47554	1.182769	0.236901	0.757244	chr9	43602797	43603012	+	0	NA	Intergeni	ALR/Alpha	476738	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr14-177	21.9626	0.562381	0.475517	1.182672	0.236939	0.757244	chr14	17781999	17782354	+	0	NA	Intergeni	ALR/Alpha	-818941	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr10-405	26.04502	0.518209	0.438408	1.182026	0.237195	0.757244	chr10	40502397	40502747	+	0	NA	Intergeni	ALR/Alpha	1805976	NR_04500(	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-173	19.83598	0.591591	0.500839	1.181198	0.237524	0.757244	chr14	17347662	17347864	+	0	NA	Intergeni	ALR/Alpha	-1253354	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr19-270	52.28022	0.378274	0.320288	1.181044	0.237585	0.757244	chr19	27087115	27087370	+	0	NA	Intergeni	ALR/Alpha	-706189	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chrY-1128	20.92989	0.57327	0.486387	1.17863	0.238545	0.757244	chrY	11281425	11282769	+	0	NA	Intergeni	MER5A|DNA	1139493	NR_033667	352887	Hs.546221	NR_033667	ENSG0000(	GYG2P1	GYG2P	glycogeni	pseudo
chr5-4806	19.8983	0.585344	0.496792	1.178248	0.238698	0.757244	chr5	48066482	48067016	+	0	NA	Intergeni	ALR/Alpha	-2370369	NM_021072	348980	Hs.353176	NM_021072	ENSG0000(	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-271	37.61454	0.436031	0.370105	1.178129	0.238745	0.757244	chr19	27144773	27145896	+	0	NA	Intergeni	ALR/Alpha	-648097	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG0000(	LOC101927	-	uncharact	ncRNA
chr20-282	19.38308	0.591888	0.503005	1.176704	0.239314	0.757244	chr20	28269222	28272150	+	0	NA	Intergeni	ALR/Alpha	331979	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr22-143	26.40811	0.527147	0.448004	1.176657	0.239332	0.757244	chr22	14354270	14354756	+	0	NA	Intergeni	ALR/Alpha	-1173646	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr1-1235	35.44656	0.456359	0.38812	1.17582	0.239667	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1997055	NR_003955	647121	Hs.697682	NR_003955	ENSG0000(	EMBP1	-	embigin p	pseudo
chr20-267	19.38364	0.591935	0.503835	1.174857	0.240052	0.757244	chr20	26709416	26710053	+	0	NA	Intergeni	ALR/Alpha	-500501	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr10-405	39.69612	0.422741	0.359846	1.174784	0.240081	0.757244	chr10	40594513	40596752	+	0	NA	Intergeni	ALR/Alpha	1772413	NR_02438(	441666	Hs.255729	NR_02438(	ENSG0000(	LOC441666	-	zinc fing	pseudo
chr20-278	18.83641	0.602077	0.51253	1.174716	0.240108	0.757244	chr20	27801287	27801652	+	0	NA	Intergeni	ALR/Alpha	801196	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chrX-5965	26.65459	0.507861	0.432631	1.173892	0.240438	0.757244	chrX	59653154	59653428	+	0	NA	Intergeni	ALR/Alpha	-1742658	NM_007156	7789	Hs.550094	NM_007156	ENSG0000(	ZXDA	ZNF896	zinc fing	protein-coding
chr6-5892	160.8125	0.237407	0.202333	1.173345	0.240658	0.757244	chr6	58924106	58925123	+	0	NA	Intergeni	ALR/Alpha	-963168	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG0000(	LINC0068(	-	long inte	ncRNA
chr14-167	18.86729	0.598752	0.510391	1.173124	0.240746	0.757244	chr14	16750720	16751674	+	0	NA	Intergeni	ALR/Alpha	-1849920	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding
chr20-268	31.34487	0.469871	0.400786	1.172373	0.241047	0.757244	chr20	26801778	26802402	+	0	NA	Intergeni	ALR/Alpha	-592857	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr22-142	19.93032	0.58232	0.49678	1.172188	0.241121	0.757244	chr22	14299331	14299757	+	0	NA	Intergeni	ALR/Alpha	-1228615	NM_001005	81061	Hs.554706	NM_001005	ENSG0000(	OR11H1	OR11H12|(	olfactory	protein-coding
chr20-267	19.41339	0.588664	0.502445	1.171599	0.241358	0.757244	chr20	26734547	26737096	+	0	NA	Intergeni	ALR/Alpha	-526588	NR_040095	284801	Hs.370699	NR_040095	ENSG0000(	MIR663AHG	-	MIR663A h	ncRNA
chr20-279	18.32005	0.609409	0.520582	1.17063	0.241747	0.757244	chr20	27919370	27919628	+	0	NA	Intergeni	ALR/Alpha	683166	NR_132315	1E+08	Hs.529357	NR_132315	ENSG0000(	FRG1CP	-	FSHD regi	pseudo
chr5-4908	18.35093	0.605955	0.51776	1.170339	0.241864	0.757244	chr5	49086266	49086883	+	0	NA	Intergeni	ALR/Alpha	1354714	NM_198449	133418	Hs.561411	NM_198449	ENSG0000(	EMB	GP70	embigin	protein-coding
chr16-368	18.35036	0.605912	0.517749	1.170281	0.241888	0.757244	chr16	36858888	36859162	+	0	NA	Intergeni	ALR/Alpha	1112473	NR_033985	400533	Hs.499135	NR_033985	ENSG0000(	LINC02167	-	long inte	ncRNA
chr21-936	18.8976	0.595427	0.508844	1.170155	0.241939	0.757244	chr21	9363212	9369930	+	0	NA	Intergeni	Intergeni	-176459	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr14-181	51.70777	0.381391	0.325949	1.170097	0.241962	0.757244	chr14	18137276	18137572	+	0	NA	Intergeni	ALR/Alpha	-463693	NM_001013	440153	Hs.53488(	NM_001013	ENSG0000(	OR11H12	-	olfactory	protein-coding

chr20-269	19.41452	0.588743	0.503285	1.1698	0.242081	0.757244	chr20	26922869	26924253	+	0	NA	Intergeni	ALR/Alpha	-714328	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-165	40.20908	0.421562	0.360379	1.169776	0.242091	0.757244	chr14	16514134	16514355	+	0	NA	Intergeni	ALR/Alpha	-2086873	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-122	30.25266	0.478457	0.409341	1.168847	0.242465	0.757244	chr21	12224319	12224856	+	0	NA	Intergeni	ALR/Alpha	-813579	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1247	61.89366	0.348001	0.298354	1.166401	0.243452	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3263118	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-413	17.86545	0.610072	0.52363	1.165082	0.243986	0.757244	chr10	41313922	41314295	+	0	NA	Intergeni	ALR/Alpha	1053937	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4740	17.86545	0.610072	0.52363	1.165082	0.243986	0.757244	chr5	47403257	47403487	+	0	NA	Intergeni	ALR/Alpha	-1706992	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-270	25.65332	0.512194	0.440435	1.162926	0.24486	0.757244	chr20	27021568	27023890	+	0	NA	Intergeni	ALR/Alpha	-813496	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-166	17.86658	0.610187	0.525497	1.161162	0.245576	0.757244	chr14	16695667	16697219	+	0	NA	Intergeni	ALR/Alpha	-1904674	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-252	34.97609	0.446927	0.385206	1.160231	0.245955	0.757244	chr19	25207128	25207830	+	0	NA	Intergeni	ALR/Alpha	-1044032	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1239	19.44597	0.58557	0.505353	1.158734	0.246564	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2442840	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1240	64.73977	0.335133	0.28942	1.157946	0.246886	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2561184	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-283	17.89746	0.606703	0.524203	1.157381	0.247117	0.757244	chr20	28366453	28367409	+	0	NA	Intergeni	ALR/Alpha	235734	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-121	34.54954	0.443	0.383022	1.156591	0.247439	0.757244	chr21	12199547	12199837	+	0	NA	Intergeni	ALR/Alpha	-838474	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr9-4343	17.92721	0.603159	0.522149	1.155148	0.24803	0.757244	chr9	43431280	43431941	+	0	NA	Intergeni	ALR/Alpha	305444	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1217	35.09734	0.439752	0.380875	1.154584	0.248261	0.757244	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	226991	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1217	23.55757	0.529744	0.459125	1.153813	0.248577	0.757244	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	251070	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1236	23.55757	0.529744	0.459125	1.153813	0.248577	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2089130	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-4927	66.38091	0.33225	0.288161	1.153	0.24891	0.757244	chr4	49278678	49278901	+	0	NA	Intergeni	Intergeni	292147	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr22-150	17.38167	0.614608	0.533117	1.152857	0.248969	0.757244	chr22	15018082	15019125	+	0	NA	Intergeni	ALR/Alpha	-509556	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr8-8580	16.89506	0.61913	0.537065	1.152803	0.248991	0.757244	chr8	85802068	85806432	+	0	NA	promoter-	promoter-	-689	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr22-140	29.85869	0.472506	0.409934	1.152637	0.249059	0.757244	chr22	14032195	14032596	+	0	NA	Intergeni	ALR/Alpha	-1495764	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-4875	106.537	0.275275	0.238963	1.151957	0.249339	0.757244	chr5	48753951	48754193	+	0	NA	Intergeni	ALR/Alpha	1687216	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-406	31.95443	0.461917	0.400985	1.151955	0.24934	0.757244	chr10	40683362	40683668	+	0	NA	Intergeni	ALR/Alpha	1684530	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-523	16.89563	0.619179	0.537573	1.151806	0.249401	0.757244	chr21	5232263	5232906	+	0	NA	Intergeni	Intergeni	-77926	NM_001368	1.03E+08	Hs.449076	NM_001368	ENSG00000	LOC102724	-	periodic	protein-coding
chr20-274	16.3787	0.627841	0.545715	1.150493	0.249941	0.757244	chr20	27410230	27411129	+	0	NA	Intergeni	ALR/Alpha	1191986	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-411	70.08664	0.322194	0.280294	1.149485	0.250356	0.757244	chr10	41124928	41126511	+	0	NA	Intergeni	ALR/Alpha	1242326	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1229	48.69008	0.386668	0.336427	1.149337	0.250417	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1403682	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-179	17.80142	0.617257	0.537168	1.149094	0.250517	0.757244	chr14	17985736	17985980	+	0	NA	Intergeni	ALR/Alpha	-615259	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-171	24.13625	0.520658	0.45312	1.149051	0.250535	0.757244	chr13	17114036	17115564	+	0	NA	Intergeni	ALR/Alpha	-1080497	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1247	35.51147	-0.43974	0.382942	-1.14833	0.250832	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3279736	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-5071	16.37813	0.627803	0.546743	1.14826	0.250861	0.757244	chr4	50711095	50711548	+	0	NA	Intergeni	ALR/Alpha	-1131679	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr9-4405	28.67101	0.488116	0.425321	1.14764	0.251117	0.757244	chr9	44059268	44059549	+	0	NA	Intergeni	ALR/Alpha	933242	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-260	16.92594	0.615476	0.536768	1.146632	0.251534	0.757244	chr19	26018229	26018476	+	0	NA	Intergeni	ALR/Alpha	-1775079	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4843	27.2344	0.500032	0.436253	1.146197	0.251714	0.757244	chr5	48438405	48438643	+	0	NA	Intergeni	ALR/Alpha	2002764	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-128	16.40958	0.624065	0.544734	1.145632	0.251947	0.757244	chr22	12868384	12876092	+	0	NA	Intergeni	Intergeni	974832	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-270	16.92651	0.615519	0.537275	1.145631	0.251948	0.757244	chr20	27096171	27097684	+	0	NA	Intergeni	ALR/Alpha	-887694	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4764	206.4671	0.216358	0.189306	1.1429	0.25308	0.757244	chr5	47648571	47648811	+	0	NA	Intergeni	ALR/Alpha	-1952311	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr22-136	28.31075	0.479744	0.419909	1.142494	0.253249	0.757244	chr22	13631936	13632467	+	0	NA	Intergeni	ALR/Alpha	1734795	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr18-155	32.45436	0.451475	0.39568	1.14101	0.253866	0.757244	chr18	15551181	15553044	+	0	NA	Intergeni	ALR/Alpha	-226193	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-277	22.58718	0.532888	0.46744	1.140013	0.254281	0.757244	chr20	27712467	27714548	+	0	NA	Intergeni	ALR/Alpha	889158	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-264	45.16594	0.386384	0.33903	1.139674	0.254422	0.757244	chr19	26439050	26440183	+	0	NA	Intergeni	ALR/Alpha	-1353815	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-402	93.07052	0.288361	0.253179	1.138962	0.254719	0.757244	chr10	40279754	40280243	+	0	NA	Intergeni	ALR/Alpha	1583402	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-180	41.28769	0.410323	0.360313	1.138797	0.254788	0.757244	chr14	18060907	18061311	+	0	NA	Intergeni	ALR/Alpha	-540008	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-115	41.47637	0.401308	0.352528	1.138371	0.254965	0.757244	chr21	11588522	11588851	+	0	NA	Intergeni	ALR/Alpha	1067172	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-281	22.55517	0.535585	0.470808	1.137587	0.255293	0.757244	chr20	28194439	28195896	+	0	NA	Intergeni	ALR/Alpha	407498	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-136	17.47261	0.603748	0.531171	1.136636	0.25569	0.757244	chr22	13643852	13644143	+	0	NA	Intergeni	ALR/Alpha	1746591	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-264	60.07866	0.340112	0.299235	1.136606	0.255703	0.757244	chr19	26485616	26485852	+	0	NA	Intergeni	ALR/Alpha	-1307697	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-175	22.07139	0.537378	0.47301	1.136082	0.255922	0.757244	chr14	17509165	17511076	+	0	NA	Intergeni	ALR/Alpha	-1090997	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-122	22.07139	0.537378	0.47301	1.136082	0.255922	0.757244	chr21	12215732	12217513	+	0	NA	Intergeni	ALR/Alpha	-821544	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-250	29.1851	0.485561	0.427449	1.13595	0.255977	0.757244	chr19	25021143	25021605	+	0	NA	Intergeni	ALR/Alpha	-857927	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-119	16.43989	0.620232	0.546026	1.135902	0.255998	0.757244	chr21	11925901	11927526	+	0	NA	Intergeni	ALR/Alpha	-1111453	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4948	50.49781	0.368934	0.324996	1.135195	0.256294	0.757244	chr5	49487583	49487880	+	0	NA	Intergeni	ALR/Alpha	953557	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-408	36.11476	0.429501	0.378948	1.133405	0.257044	0.757244	chr10	40870216	40870444	+	0	NA	Intergeni	ALR/Alpha	1497715	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-171	40.41333	0.404443	0.357021	1.132826	0.257287	0.757244	chr13	17171712	17171940	+	0	NA	Intergeni	ALR/Alpha	-1023471	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-259	36.17482	0.425956	0.376147	1.13242	0.257458	0.757244	chr19	25941013	25941878	+	0	NA	Intergeni	ALR/Alpha	-1777998	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1236	58.31343	0.347803	0.307218	1.132104	0.257591	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2124657	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5821	22.10283	0.534633	0.472311	1.131952	0.257654	0.757244	chr7	58217368	58219234	+	0	NA	Intergeni	ALR/Alpha	768124	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-279	21.55503	0.542052	0.4792	1.13116	0.257988	0.757244	chr20	27920937	27923391	+	0	NA	Intergeni	ALR/Alpha	680501	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-404	31.96831	0.451321	0.399044	1.131005	0.258053	0.757244	chr10	40400106	40400809	+	0	NA	Intergeni	ALR/Alpha	1703861	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-283	22.61976	0.530282	0.468864	1.130993	0.258058	0.757244	chr20	28395012	28395828	+	0	NA	Intergeni	ALR/Alpha	207245	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-267	17.47148	0.603591	0.534036	1.130245	0.258373	0.757244	chr20	26791696	26792249	+	0	NA	Intergeni	ALR/Alpha	-582739	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1233	22.1034	0.534675	0.473357	1.129538	0.258671	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1861364	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5973	68.83436	0.328661	0.291591	1.127129	0.259688	0.757244	chr7	59734543	59735742	+	0	NA	Intergeni	ALR/Alpha	2284965	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chrX-6236	31.45252	0.453167	0.402212	1.126688	0.259875	0.757244	chrX	62362387	62363056	+	0	NA	Intergeni	ALR/Alpha	988611	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr21-114	18.38521	0.602988	0.53538	1.12628	0.260047	0.757244	chr21	11428294	11428522	+	0	NA	Intergeni	ALR/Alpha	906894	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr13-173	37.08798	0.430714	0.382878	1.12494	0.260614	0.757244	chr13	17330018	17330265	+	0	NA	Intergeni	ALR/Alpha	-865156	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-138	21.61679	0.536349	0.476953	1.124533	0.260787	0.757244	chr22	13842250	13842539	+	0	NA	Intergeni	ALR/Alpha	-1685765	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr19-269	35.72135	0.423795	0.377067	1.123924	0.261045	0.757244	chr19	26918131	26918438	+	0	NA	Intergeni	ALR/Alpha	-875147	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-241	39.34861	0.407704	0.36305	1.122998	0.261438	0.757244	chr17	24187507	24188830	+	0	NA	Intergeni	ALR/Alpha	1665057	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1246	26.24588	0.490664	0.437269	1.122108	0.261816	0.757244	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3084505	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-252	52.15	0.358329	0.320362	1.118513	0.263348	0.757244	chr19	25203678	25203953	+	0	NA	Intergeni	ALR/Alpha	-1040368	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1241	21.01006	0.550245	0.492086	1.118189	0.263486	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2650659	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-275	20.58464	0.546102	0.488665	1.117539	0.263764	0.757244	chr20	27502811	27504292	+	0	NA	Intergeni	ALR/Alpha	1099114	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-138	22.68152	0.524811	0.469873	1.116921	0.264028	0.757244	chr22	13890992	13891221	+	0	NA	Intergeni	ALR/Alpha	-1637053	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr11-529	26.85544	0.480949	0.430619	1.116879	0.264046	0.757244	chr11	52978056	52978311	+	0	NA	Intergeni	ALR/Alpha	1625815	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr14-179	26.30707	0.485945	0.43566	1.115421	0.26467	0.757244	chr14	17949986	17950635	+	0	NA	Intergeni	ALR/Alpha	-650807	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-280	32.09466	0.44376	0.398027	1.114899	0.264894	0.757244	chr20	28091190	28091526	+	0	NA	Intergeni	ALR/Alpha	511307	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr6-5976	20.00709	0.557668	0.500689	1.113801	0.265364	0.757244	chr6	59764315	59765166	+	0	NA	Intergeni	ALR/Alpha	-1803294	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-271	21.13074	0.538145	0.48358	1.112836	0.265779	0.757244	chr20	27181075	27184656	+	0	NA	Intergeni	ALR/Alpha	-973632	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-271	20.06941	0.551421	0.495582	1.112674	0.265848	0.757244	chr20	27198958	27202508	+	0	NA	Intergeni	ALR/Alpha	-991500	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-142	20.61665	0.543206	0.488615	1.111725	0.266257	0.757244	chr22	14244693	14246905	+	0	NA	Intergeni	ALR/Alpha	-1282360	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr11-515	27.24432	0.487269	0.438683	1.110754	0.266674	0.757244	chr11	51540297	51540501	+	0	NA	Intergeni	ALR/Alpha	1131252	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-267	20.00595	0.557639	0.502276	1.110224	0.266902	0.757244	chr19	26785722	26786041	+	0	NA	Intergeni	ALR/Alpha	-1007550	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-112	19.97677	0.561009	0.505364	1.110108	0.266952	0.757244	chr21	11257849	11258054	+	0	NA	Intergeni	ALR/Alpha	736437	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-147	25.27606	0.491924	0.443612	1.108907	0.26747	0.757244	chr22	14710529	14711522	+	0	NA	Intergeni	ALR/Alpha	-817134	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr11-516	110.7062	0.258109	0.232831	1.108567	0.267617	0.757244	chr11	51662597	51662871	+	0	NA	Intergeni	ALR/Alpha	1253587	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-281	19.52104	0.560106	0.506156	1.106588	0.268472	0.757244	chr20	28126609	28127807	+	0	NA	Intergeni	ALR/Alpha	475457	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-142	19.58337	0.553729	0.500524	1.106299	0.268597	0.757244	chr22	14260750	14261726	+	0	NA	Intergeni	ALR/Alpha	-1266921	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-1759	19.58337	0.553729	0.500524	1.106299	0.268597	0.757244	chr5	17592121	17599341	+	0	NA	Intergeni	AluSx|SIN	59907	NM_001355	391769		NM_001355	ENSG00000	H3.Y	-	histone c	protein-coding
chr5-4897	36.28446	0.427815	0.386763	1.106143	0.268664	0.757244	chr5	48979351	48979602	+	0	NA	Intergeni	ALR/Alpha	1461812	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-270	29.9686	0.455038	0.411531	1.10572	0.268848	0.757244	chr20	27091219	27092228	+	0	NA	Intergeni	ALR/Alpha	-882490	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4834	75.51085	0.305864	0.276806	1.104977	0.26917	0.757244	chr5	48341498	48341830	+	0	NA	Intergeni	ALR/Alpha	2099624	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-166	20.6481	0.540256	0.490183	1.102153	0.270395	0.757244	chr13	16672885	16673119	+	0	NA	Intergeni	ALR/Alpha	-1522295	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-236	45.27246	0.375292	0.340697	1.10154	0.270662	0.757244	chr17	23696718	23696959	+	0	NA	Intergeni	ALR/Alpha	1173727	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr11-512	24.77727	0.506538	0.459853	1.101522	0.27067	0.757244	chr11	51255370	51255678	+	0	NA	Intergeni	ALR/Alpha	846377	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr22-148	29.35847	0.463505	0.421394	1.099933	0.271361	0.757244	chr22	14830763	14831347	+	0	NA	Intergeni	ALR/Alpha	-697104	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-4859	24.79001	0.492548	0.447896	1.099693	0.271466	0.757244	chr5	48596153	48597321	+	0	NA	Intergeni	ALR/Alpha	1844551	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrY-1128	20.67728	0.537172	0.488741	1.099093	0.271728	0.757244	chrY	11287401	11288044	+	0	NA	Intergeni	LTR48|LTR	1133868	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr5-4867	33.71825	0.425318	0.387408	1.097855	0.272268	0.757244	chr5	48678323	48678737	+	0	NA	Intergeni	ALR/Alpha	1762758	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-262	24.82146	0.490113	0.44658	1.09748	0.272431	0.757244	chr19	26216738	26216986	+	0	NA	Intergeni	ALR/Alpha	-1576569	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-271	37.95506	0.402403	0.366724	1.097293	0.272513	0.757244	chr19	27111211	27112684	+	0	NA	Intergeni	ALR/Alpha	-681484	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-143	30.02697	0.450767	0.411149	1.09636	0.272921	0.757244	chr22	14362839	14363334	+	0	NA	Intergeni	ALR/Alpha	-1165073	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-4886	18.55235	0.565632	0.516428	1.095276	0.273396	0.757244	chr5	48861737	48861965	+	0	NA	Intergeni	ALR/Alpha	1579437	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-251	33.74969	0.423533	0.38684	1.094853	0.273581	0.757244	chr19	25108732	25108968	+	0	NA	Intergeni	ALR/Alpha	-945403	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-268	25.36926	0.484714	0.442764	1.094746	0.273628	0.757244	chr20	26873075	26875594	+	0	NA	Intergeni	ALR/Alpha	-665101	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1242	93.52663	0.272731	0.249163	1.094589	0.273697	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2778489	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-252	51.62174	0.354017	0.323429	1.094576	0.273703	0.757244	chr19	25285336	25285674	+	0	NA	Intergeni	ALR/Alpha	-1122058	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1226	45.36454	0.37117	0.339357	1.093744	0.274067	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1164156	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-169	19.1299	0.553096	0.505951	1.09318	0.274315	0.757244	chr14	16961410	16961705	+	0	NA	Intergeni	ALR/Alpha	-1639560	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr6-5870	18.58153	0.56215	0.514236	1.093176	0.274316	0.757244	chr6	58702262	58703449	+	0	NA	Intergeni	ALR/Alpha	-741409	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1232	24.3051	0.493259	0.451417	1.09269	0.27453	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1684319	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1242	18.61298	0.558885	0.512245	1.091049	0.275251	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2761562	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-135	18.06687	0.568548	0.521564	1.090082	0.275677	0.757244	chr22	13576502	13577986	+	0	NA	Intergeni	ALR/Alpha	1679838	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1228	209.1178	0.209146	0.191944	1.089618	0.275882	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1323637	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-529	144.9074	0.229121	0.210278	1.08961	0.275885	0.757244	chr11	52975092	52975352	+	0	NA	Intergeni	ALR/Alpha	1628776	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-537	54.97967	0.338305	0.310844	1.088344	0.276443	0.757244	chr11	53788549	53788840	+	0	NA	Intergeni	ALR/Alpha	815304	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4958	201.8477	0.204904	0.188324	1.088038	0.276579	0.757244	chr5	49584010	49584236	+	0	NA	Intergeni	ALR/Alpha	857165	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-413	18.09775	0.565133	0.519821	1.087169	0.276962	0.757244	chr10	41372956	41373346	+	0	NA	Intergeni	ALR/Alpha	994894	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-5936	17.55051	0.575193	0.52977	1.08574	0.277594	0.757244	chr6	59367073	59368646	+	0	NA	Intergeni	ALR/Alpha	-1406413	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5904	18.61185	0.558804	0.514872	1.085328	0.277776	0.757244	chr6	59040923	59042117	+	0	NA	Intergeni	ALR/Alpha	-1080074	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr21-918	18.64442	0.555642	0.512145	1.084931	0.277952	0.757244	chr21	9186016	9189486	+	0	NA	Intergeni	L1PA4|LIN	-57990	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-264	67.19048	0.311738	0.287346	1.084886	0.277972	0.757244	chr20	26483037	26483705	+	0	NA	Intergeni	ALR/Alpha	-274138	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA

chr8-4584	51.19972	0.35055	0.323291	1.084316	0.278225	0.757244	chr8	45840470	45840759	+	0	NA	Intergeni	ALR/Alpha	777029	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr13-180	17.58139	0.571652	0.527341	1.084028	0.278353	0.757244	chr13	18013269	18013468	+	0	NA	Intergeni	ALR/Alpha	-181929	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr3-9104	24.88265	0.485155	0.447606	1.083888	0.278414	0.757244	chr3	91048944	91049168	+	0	NA	Intergeni	ALR/Alpha	1941435	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr1-1232	19.15908	0.549746	0.507599	1.083032	0.278794	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1769817	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-263	68.90982	0.310831	0.287018	1.082966	0.278824	0.757244	chr19	26358831	26359037	+	0	NA	Intergeni	ALR/Alpha	-1434497	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-172	18.12807	0.561707	0.518676	1.082964	0.278824	0.757244	chr13	17231269	17233559	+	0	NA	Intergeni	ALR/Alpha	-962883	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-121	18.64329	0.55555	0.513001	1.08294	0.278835	0.757244	chr21	12122946	12124387	+	0	NA	Intergeni	ALR/Alpha	-914500	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4950	52.20325	0.351601	0.325265	1.080967	0.279712	0.757244	chr5	49506291	49506567	+	0	NA	Intergeni	ALR/Alpha	934859	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5939	88.80773	0.274245	0.253855	1.080323	0.279998	0.757244	chr6	59399299	59399655	+	0	NA	Intergeni	ALR/Alpha	-1438031	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr9-4481	17.61227	0.568164	0.526042	1.080072	0.28011	0.757244	chr9	44817490	44817697	+	0	NA	Intergeni	ALR/Alpha	1691427	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-135	17.61171	0.568118	0.526031	1.080009	0.280138	0.757244	chr22	13516551	13519740	+	0	NA	Intergeni	ALR/Alpha	1620739	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr5-4845	17.61171	0.568118	0.526031	1.080009	0.280138	0.757244	chr5	48453691	48454422	+	0	NA	Intergeni	ALR/Alpha	1987232	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5966	28.54135	0.452533	0.41906	1.079878	0.280196	0.757244	chr6	59661346	59662142	+	0	NA	Intergeni	ALR/Alpha	-1700298	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-271	18.12693	0.561615	0.520483	1.079026	0.280576	0.757244	chr19	27178379	27178948	+	0	NA	Intergeni	ALR/Alpha	-614768	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-4351	18.12693	0.561615	0.520483	1.079026	0.280576	0.757244	chr9	43516621	43516946	+	0	NA	Intergeni	ALR/Alpha	390617	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1234	29.03023	0.452839	0.419805	1.07869	0.280726	0.757244	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1945835	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-114	33.16874	0.428493	0.397325	1.078444	0.280836	0.757244	chr21	11493424	11493847	+	0	NA	Intergeni	ALR/Alpha	972121	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4737	19.15852	0.549677	0.509728	1.078372	0.280868	0.757244	chr5	47375972	47376180	+	0	NA	Intergeni	ALR/Alpha	-1679696	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-251	96.81146	0.265766	0.246542	1.077974	0.281045	0.757244	chr17	25139805	25140054	+	0	NA	Intergeni	ALR/Alpha	1949312	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chrX-6246	22.75772	0.503665	0.467307	1.077802	0.281122	0.757244	chrX	62465467	62465987	+	0	NA	Intergeni	ALR/Alpha	885605	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-248	25.85413	-0.47835	0.44395	-1.07748	0.281266	0.757244	chr19	24863116	24863348	+	0	NA	Intergeni	ALR/Alpha	-699785	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr13-168	27.99694	0.456927	0.424072	1.077475	0.281268	0.757244	chr13	16848772	16849182	+	0	NA	Intergeni	ALR/Alpha	-1346320	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-267	17.09535	0.574915	0.534307	1.076002	0.281926	0.757244	chr20	26722837	26723575	+	0	NA	Intergeni	ALR/Alpha	-513973	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-169	23.33584	0.49483	0.460008	1.0757	0.282062	0.757244	chr13	16930417	16930721	+	0	NA	Intergeni	ALR/Alpha	-1264728	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-173	21.25483	0.526301	0.489384	1.075435	0.28218	0.757244	chr14	17381885	17382128	+	0	NA	Intergeni	ALR/Alpha	-1219111	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-170	17.64315	0.564692	0.525843	1.073879	0.282877	0.757244	chr13	17061320	17062739	+	0	NA	Intergeni	ALR/Alpha	-1133268	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-279	17.64315	0.564692	0.525843	1.073879	0.282877	0.757244	chr20	27989115	27991016	+	0	NA	Intergeni	ALR/Alpha	612600	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-268	39.51802	0.391838	0.364895	1.073839	0.282895	0.757244	chr19	26897599	26897860	+	0	NA	Intergeni	ALR/Alpha	-895702	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-363	17.64259	0.564647	0.525832	1.073816	0.282905	0.757244	chr12	36367140	36367464	+	0	NA	Intergeni	ALR/Alpha	-1949472	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr13-166	52.90376	0.344219	0.320605	1.073657	0.282977	0.757244	chr13	16690045	16690395	+	0	NA	Intergeni	ALR/Alpha	-1505077	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-281	16.58012	0.582227	0.542602	1.073026	0.283259	0.757244	chr20	28170803	28173122	+	0	NA	Intergeni	ALR/Alpha	430703	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1240	16.54811	0.585921	0.546382	1.072366	0.283556	0.757244	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2554076	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4922	17.57913	0.571546	0.533091	1.072135	0.283659	0.757244	chr5	49226806	49227952	+	0	NA	Intergeni	ALR/Alpha	1213909	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-103	17.1268	0.57138	0.533001	1.072005	0.283718	0.757244	chr21	10368165	10368958	+	0	NA	Intergeni	Intergeni	-44959	NM_001187	574	Hs.545789	NM_001187		BAGE	BAGE1|CT2	B melanom	protein-coding
chr19-260	44.39868	0.369343	0.344864	1.070983	0.284177	0.757711	chr19	26008793	26009024	+	0	NA	Intergeni	ALR/Alpha	-1784523	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-114	40.19161	0.383508	0.35856	1.069577	0.28481	0.758295	chr21	11499718	11499932	+	0	NA	Intergeni	ALR/Alpha	978311	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-149	27.54065	0.454561	0.42536	1.068648	0.285228	0.758295	chr22	14930390	14931819	+	0	NA	Intergeni	ALR/Alpha	-597055	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr9-4384	23.30213	0.497303	0.465379	1.068597	0.285251	0.758295	chr9	43844817	43845131	+	0	NA	Intergeni	ALR/Alpha	718808	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-400	89.47905	0.271016	0.253956	1.067179	0.285891	0.759237	chr10	40019603	40020472	+	0	NA	Intergeni	ALR/Alpha	1323441	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-270	26.99341	0.458985	0.430368	1.066493	0.286201	0.759302	chr19	27008296	27009701	+	0	NA	Intergeni	ALR/Alpha	-784433	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-402	45.98911	0.360013	0.338449	1.063716	0.287457	0.761184	chr10	40266972	40269022	+	0	NA	Intergeni	ALR/Alpha	1571401	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr12-356	16.60931	0.578391	0.544177	1.062874	0.287839	0.761184	chr12	35688783	35689439	+	0	NA	Intergeni	ALR/Alpha	1666615	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-271	38.61052	0.386839	0.364447	1.061442	0.288489	0.761184	chr19	27138456	27140712	+	0	NA	Intergeni	ALR/Alpha	-653847	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-113	17.09818	0.57522	0.54194	1.061409	0.288504	0.761184	chr21	11336681	11337196	+	0	NA	Intergeni	ALR/Alpha	815424	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-147	21.7862	0.505644	0.476432	1.061314	0.288547	0.761184	chr22	14796045	14797116	+	0	NA	Intergeni	ALR/Alpha	-731579	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr13-166	42.33211	0.370825	0.349459	1.06114	0.288626	0.761184	chr13	16657916	16658560	+	0	NA	Intergeni	ALR/Alpha	-1537059	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-407	28.11876	0.448117	0.422734	1.060045	0.289124	0.761208	chr10	40771324	40772361	+	0	NA	Intergeni	ALR/Alpha	1596203	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-119	21.81821	0.502912	0.474681	1.059473	0.289385	0.761208	chr22	11900067	11902388	+	0	NA	intron (	L1MA5|LIN	3821	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-284	19.70462	0.540781	0.51054	1.059233	0.289493	0.761208	chr20	28402493	28402776	+	0	NA	Intergeni	ALR/Alpha	200031	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr17-264	46.61511	0.360975	0.340995	1.058592	0.289786	0.761224	chr17	26462770	26463329	+	0	NA	Intergeni	ALR/Alpha	626192	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-265	21.27154	0.509723	0.482233	1.057004	0.29051	0.76156	chr20	26527578	26527896	+	0	NA	Intergeni	ALR/Alpha	-318504	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4850	34.85691	0.408077	0.386276	1.056437	0.290769	0.76156	chr5	48505017	48506174	+	0	NA	Intergeni	ALR/Alpha	1935693	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-515	21.26984	0.509627	0.483309	1.054455	0.291675	0.76156	chr11	51521237	51521605	+	0	NA	Intergeni	ALR/Alpha	1112274	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr21-120	21.30242	0.50684	0.480693	1.054396	0.291702	0.76156	chr21	12095842	12097532	+	0	NA	Intergeni	ALR/Alpha	-941479	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-268	25.99327	0.461398	0.43762	1.054336	0.291729	0.76156	chr20	26841191	26842089	+	0	NA	Intergeni	ALR/Alpha	-632407	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-414	27.058	0.454622	0.431996	1.052375	0.292627	0.76156	chr10	41410220	41410439	+	0	NA	Intergeni	ALR/Alpha	957716	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-404	58.35602	0.319403	0.30382	1.051293	0.293124	0.76156	chr10	40462768	40463117	+	0	NA	Intergeni	ALR/Alpha	1766346	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4927	40.82865	0.37673	0.358602	1.050551	0.293465	0.76156	chr5	49275571	49275847	+	0	NA	Intergeni	ALR/Alpha	1165579	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5869	21.33217	0.503909	0.479946	1.049928	0.293751	0.76156	chr6	58690312	58691148	+	0	NA	Intergeni	ALR/Alpha	-729284	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-255	34.46691	0.402041	0.383091	1.049466	0.293964	0.76156	chr19	25512472	25514293	+	0	NA	Intergeni	ALR/Alpha	-1349935	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr4-5032	21.84739	0.500007	0.4765	1.049333	0.294025	0.76156	chr4	50328250	50329159	+	0	NA	Intergeni	ALR/Alpha	1342062	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr12-359	27.63329	0.4479	0.427083	1.048741	0.294297	0.76156	chr12	35998317	35999142	+	0	NA	Intergeni	ALR/Alpha	1976233	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-403	39.1858	0.382969	0.365181	1.04871	0.294312	0.76156	chr10	40345206	40345500	+	0	NA	Intergeni	ALR/Alpha	1648757	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-277	20.78663	0.510971	0.487385	1.048392	0.294458	0.76156	chr20	27747252	27747486	+	0	NA	Intergeni	ALR/Alpha	855296	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-266	25.47635	0.463804	0.442586	1.047941	0.294666	0.76156	chr19	26682633	26682832	+	0	NA	Intergeni	ALR/Alpha	-1110699	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-5994	26.02528	0.45913	0.438407	1.047269	0.294976	0.76156	chr7	59942863	59943786	+	0	NA	Intergeni	ALR/Alpha	2493147	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4733	33.9191	0.404757	0.386492	1.047258	0.294981	0.76156	chr5	47330371	47331786	+	0	NA	Intergeni	ALR/Alpha	-1634698	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-515	20.81694	0.507988	0.485411	1.04651	0.295326	0.76156	chr11	51558615	51561094	+	0	NA	Intergeni	ALR/Alpha	1150707	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-276	20.81638	0.507949	0.4854	1.046455	0.295351	0.76156	chr20	27658555	27659668	+	0	NA	Intergeni	ALR/Alpha	943554	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr9-4360	16.18729	0.574634	0.550458	1.043921	0.296522	0.763126	chr9	43608046	43608366	+	0	NA	Intergeni	ALR/Alpha	482040	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chrX-6247	79.9607	0.290004	0.278713	1.040514	0.298101	0.763126	chrX	62471852	62472718	+	0	NA	Intergeni	ALR/Alpha	879047	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr13-172	20.33146	0.5092	0.490665	1.037775	0.299375	0.763126	chr13	17241615	17244017	+	0	NA	Intergeni	ALR/Alpha	-952481	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr3-9227	60.58746	0.309848	0.298947	1.036467	0.299984	0.763126	chr3	92279030	92279398	+	0	NA	Intergeni	ALR/Alpha	1694867	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr19-261	29.61855	0.454298	0.438455	1.036134	0.30014	0.763126	chr19	26176729	26176932	+	0	NA	Intergeni	ALR/Alpha	-1616601	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-174	29.22825	0.428537	0.413628	1.036046	0.300181	0.763126	chr14	17426239	17427917	+	0	NA	Intergeni	ALR/Alpha	-1174039	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-406	67.06196	0.296022	0.285794	1.035786	0.300302	0.763126	chr10	40614725	40615927	+	0	NA	Intergeni	ALR/Alpha	1752719	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-5920	19.81567	0.513578	0.496969	1.033422	0.301406	0.763126	chr6	59201001	59201465	+	0	NA	Intergeni	ALR/Alpha	-1239787	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1244	49.44365	0.338554	0.328084	1.031914	0.302112	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2918671	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6153	83.81668	0.26945	0.261225	1.031488	0.302312	0.763126	chrX	61538233	61538587	+	0	NA	Intergeni	ALR/Alpha	1812922	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr11-533	32.88582	0.406806	0.394546	1.031073	0.302507	0.763126	chr11	53373805	53374036	+	0	NA	Intergeni	ALR/Alpha	1230078	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr14-177	19.269	0.52138	0.505949	1.030499	0.302776	0.763126	chr14	17709677	17709969	+	0	NA	Intergeni	ALR/Alpha	-891294	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-144	24.50766	0.464116	0.450718	1.029725	0.303139	0.763126	chr22	14416209	14418789	+	0	NA	Intergeni	ALR/Alpha	-1110660	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr7-5981	38.27944	0.377875	0.367004	1.02962	0.303188	0.763126	chr7	59813821	59814109	+	0	NA	Intergeni	ALR/Alpha	2363788	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-271	19.29931	0.518146	0.503585	1.028915	0.303519	0.763126	chr20	27104218	27107055	+	0	NA	Intergeni	ALR/Alpha	-896403	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-266	97.69752	0.253411	0.24635	1.028661	0.303639	0.763126	chr20	26601669	26608003	+	0	NA	Intergeni	ALR/Alpha	-395603	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-514	19.84712	0.510556	0.49734	1.026575	0.304621	0.763126	chr11	51424567	51425380	+	0	NA	Intergeni	ALR/Alpha	1015826	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr13-173	28.10403	0.438478	0.427537	1.025592	0.305084	0.763126	chr13	17361779	17361997	+	0	NA	Intergeni	ALR/Alpha	-833409	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr17-247	43.59543	0.352946	0.344199	1.025412	0.305169	0.763126	chr17	24745945	24746177	+	0	NA	Intergeni	ALR/Alpha	2222950	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr20-275	36.12193	0.385209	0.376127	1.024145	0.305767	0.763126	chr20	27514276	27515538	+	0	NA	Intergeni	ALR/Alpha	1087758	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4890	75.57582	0.282895	0.2765	1.023129	0.306247	0.763126	chr5	48904535	48905031	+	0	NA	Intergeni	ALR/Alpha	1536505	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-141	19.87743	0.507454	0.496954	1.021128	0.307194	0.763126	chr22	14172247	14172480	+	0	NA	Intergeni	ALR/Alpha	-1355796	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr22-134	29.32146	0.422345	0.413938	1.020307	0.307583	0.763126	chr22	13496785	13497204	+	0	NA	Intergeni	ALR/Alpha	1599588	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-114	18.8144	0.519766	0.509464	1.020222	0.307623	0.763126	chr21	11437972	11439511	+	0	NA	Intergeni	ALR/Alpha	917227	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr20-272	18.81384	0.519723	0.509452	1.02016	0.307652	0.763126	chr20	27264073	27271433	+	0	NA	Intergeni	ALR/Alpha	-1058520	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-405	50.00647	0.331238	0.324883	1.019561	0.307937	0.763126	chr10	40587920	40588612	+	0	NA	Intergeni	ALR/Alpha	1779779	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-5958	66.63937	0.292937	0.287558	1.018707	0.308342	0.763126	chr6	59586794	59587305	+	0	NA	Intergeni	ALR/Alpha	-1625603	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-263	19.36107	0.511864	0.502571	1.018492	0.308444	0.763126	chr19	26312806	26313118	+	0	NA	Intergeni	ALR/Alpha	-1480469	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1236	23.47324	0.469414	0.461276	1.017641	0.308848	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2160206	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-251	36.18369	0.381839	0.375236	1.017597	0.308869	0.763126	chr19	25182696	25184148	+	0	NA	Intergeni	ALR/Alpha	-1019975	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-9184	32.49468	0.400421	0.393738	1.016973	0.309166	0.763126	chr3	91846693	91847156	+	0	NA	Intergeni	ALR/Alpha	2127157	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr1-1244	31.94744	0.403292	0.396915	1.016066	0.309598	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2935630	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4822	27.71176	0.431345	0.424607	1.015867	0.309693	0.763126	chr5	48228477	48229779	+	0	NA	Intergeni	ALR/Alpha	2212160	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-272	18.29804	0.524754	0.516676	1.015634	0.309804	0.763126	chr20	27213810	27216343	+	0	NA	Intergeni	ALR/Alpha	-1005843	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-257	18.29748	0.524715	0.517121	1.014685	0.310256	0.763126	chr19	25735054	25737591	+	0	NA	Intergeni	ALR/Alpha	-1572875	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-414	76.92187	0.275355	0.271378	1.014654	0.310271	0.763126	chr10	41405800	41407005	+	0	NA	Intergeni	ALR/Alpha	961643	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-269	18.26603	0.528066	0.520665	1.014216	0.31048	0.763126	chr19	26980714	26980999	+	0	NA	Intergeni	ALR/Alpha	-812575	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-104	16.19679	-0.56357	0.555906	-1.01378	0.310688	0.763126	chr21	10433890	10434221	+	0	NA	intron (	Tigger1|	20523	NM_182481	85318	Hs.545789	NM_182481		BAGE3	CT2.3	BAGE fami	protein-coding
chr20-283	18.84585	0.516585	0.509791	1.013328	0.310904	0.763126	chr20	28324175	28324425	+	0	NA	Intergeni	ALR/Alpha	278365	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-407	18.84415	0.516457	0.509757	1.013144	0.310991	0.763126	chr10	40795745	40796286	+	0	NA	Intergeni	ALR/Alpha	1572030	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-137	43.14083	0.3503	0.346031	1.012338	0.311376	0.763126	chr22	13739462	13739728	+	0	NA	Intergeni	ALR/Alpha	-1788564	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr3-9186	33.55998	0.396744	0.391951	1.012228	0.311429	0.763126	chr3	91865274	91865550	+	0	NA	Intergeni	ALR/Alpha	2108669	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chrX-5948	41.92397	0.35949	0.355256	1.011916	0.311578	0.763126	chrX	59488012	59489036	+	0	NA	Intergeni	ALR/Alpha	-1577891	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chrY-5685	19.39139	0.508663	0.50387	1.009512	0.312729	0.763126	chrY	56855264	56856270	+	0	NA	Intergeni	Intergeni	-98488	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty	protein-coding
chr22-133	16.76654	0.559527	0.554959	1.008232	0.313343	0.763126	chr22	13326402	13326810	+	0	NA	Intergeni	ALR/Alpha	1429200	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr13-172	18.87616	0.513321	0.50931	1.007876	0.313514	0.763126	chr13	17270683	17270889	+	0	NA	Intergeni	ALR/Alpha	-924511	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1236	24.62948	0.454091	0.450659	1.007614	0.31364	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2107854	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-113	17.81313	0.526652	0.523029	1.006927	0.31397	0.763126	chr21	11378125	11381220	+	0	NA	Intergeni	ALR/Alpha	858158	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr10-414	64.57111	0.291552	0.290148	1.004837	0.314975	0.763126	chr10	41447157	41447410	+	0	NA	Intergeni	ALR/Alpha	920762	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr8-4548	23.05179	0.464473	0.462884	1.003434	0.315651	0.763126	chr8	45484590	45484949	+	0	NA	Intergeni	ALR/Alpha	1132874	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr21-122	22.50342	0.469898	0.468403	1.003192	0.315768	0.763126	chr21	12251404	12253384	+	0	NA	Intergeni	ALR/Alpha	-785772	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-269	17.29677	0.53213	0.530927	1.002265	0.316216	0.763126	chr19	26943393	26944234	+	0	NA	Intergeni	ALR/Alpha	-849618	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-273	17.84345	0.523206	0.522333	1.001672	0.316502	0.763126	chr20	27354139	27356616	+	0	NA	Intergeni	ALR/Alpha	-1146144	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA

chr20-283	17.84345	0.523206	0.522333	1.001672	0.316502	0.763126	chr20	28380528	28381744	+	0	NA	Intergeni	ALR/Alpha	221529	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-148	17.29734	0.532183	0.531434	1.00141	0.316629	0.763126	chr22	14863776	14865305	+	0	NA	Intergeni	ALR/Alpha	-663619	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr5-4760	37.81067	0.368429	0.368312	1.000317	0.317157	0.763126	chr5	47607622	47608338	+	0	NA	Intergeni	ALR/Alpha	-1911600	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr5-4879	38.93603	0.362939	0.362892	1.00013	0.317248	0.763126	chr5	48791255	48792631	+	0	NA	Intergeni	ALR/Alpha	1649345	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-149	21.48827	0.48935	0.489623	0.999443	0.31758	0.763126	chr22	14939638	14939959	+	0	NA	Intergeni	ALR/Alpha	-588361	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr1-1241	71.10566	0.278355	0.278567	0.99924	0.317678	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2648746	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4828	24.08564	0.459217	0.459634	0.999094	0.317749	0.763126	chr5	48280249	48280723	+	0	NA	Intergeni	ALR/Alpha	2160802	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr8-4565	17.77999	0.530001	0.530532	0.999	0.317795	0.763126	chr8	45651344	45651608	+	0	NA	Intergeni	ALR/Alpha	966167	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr22-107	23.08153	0.461781	0.462366	0.998734	0.317923	0.763126	chr22	10755507	10755921	+	0	NA	Intergeni	AluJb|SIN	205815	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr5-4868	27.28804	0.426397	0.427135	0.998272	0.318147	0.763126	chr5	48688567	48690249	+	0	NA	Intergeni	ALR/Alpha	1751880	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-269	17.32765	0.52862	0.529617	0.998116	0.318223	0.763126	chr20	26957539	26959873	+	0	NA	Intergeni	ALR/Alpha	-749473	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-272	17.32765	0.52862	0.529617	0.998116	0.318223	0.763126	chr20	27206757	27208949	+	0	NA	Intergeni	ALR/Alpha	-998620	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-402	21.98819	0.472977	0.474011	0.997819	0.318367	0.763126	chr10	40246748	40248460	+	0	NA	Intergeni	ALR/Alpha	1551008	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1232	17.32822	0.528668	0.530122	0.997257	0.31864	0.763126	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1741761	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4892	18.90761	0.51009	0.511577	0.997093	0.31872	0.763126	chr5	48924486	48924695	+	0	NA	Intergeni	ALR/Alpha	1516698	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4354	31.52486	0.398613	0.39983	0.996958	0.318785	0.763126	chr9	43546660	43547263	+	0	NA	Intergeni	ALR/Alpha	420795	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-271	16.78042	0.537955	0.539817	0.99655	0.318983	0.763126	chr19	27122346	27122545	+	0	NA	Intergeni	ALR/Alpha	-670986	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-179	21.98876	0.473027	0.474735	0.996403	0.319054	0.763126	chr14	17915239	17916260	+	0	NA	Intergeni	ALR/Alpha	-685368	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1238	23.05292	0.464543	0.466257	0.996325	0.319092	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2292329	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-279	18.39125	0.514846	0.51679	0.996239	0.319134	0.763126	chr20	27983943	27984194	+	0	NA	Intergeni	ALR/Alpha	618597	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-121	16.77985	0.537926	0.540844	0.994605	0.319928	0.763126	chr21	12110978	12111799	+	0	NA	Intergeni	ALR/Alpha	-926778	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1238	41.50308	0.355399	0.357344	0.994558	0.319951	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2342126	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-925	27.28634	0.426294	0.428684	0.994426	0.320016	0.763126	chr21	9259210	9260163	+	0	NA	Intergeni	Intergeni	-129925	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr7-6059	71.13541	0.277443	0.279076	0.994149	0.32015	0.763126	chr7	60591144	60591442	+	0	NA	Intergeni	ALR/Alpha	2712763	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr8-4518	41.62434	0.349365	0.35162	0.993589	0.320423	0.763126	chr8	45187911	45188840	+	0	NA	Intergeni	ALR/Alpha	1429268	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr21-115	16.8113	0.534314	0.537813	0.993494	0.320469	0.763126	chr21	11563639	11564748	+	0	NA	Intergeni	ALR/Alpha	1042679	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr5-4767	22.01964	0.470258	0.473343	0.993483	0.320475	0.763126	chr5	47675470	47676735	+	0	NA	Intergeni	ALR/Alpha	-1979722	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr20-290	17.3591	0.525169	0.529917	0.991039	0.321666	0.763126	chr20	29088471	29088794	+	0	NA	intron (N	intron (N	8242	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr10-411	33.60473	0.38524	0.388732	0.991017	0.321677	0.763126	chr10	41187901	41188627	+	0	NA	Intergeni	ALR/Alpha	1179781	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-5034	17.35797	0.525077	0.529895	0.990907	0.321731	0.763126	chr4	50349218	50349434	+	0	NA	Intergeni	ALR/Alpha	1362684	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr11-519	22.04995	0.467475	0.471997	0.990419	0.321969	0.763126	chr11	51951183	51951787	+	0	NA	Intergeni	ALR/Alpha	1542338	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-414	29.4124	0.415813	0.420076	0.989852	0.322246	0.763126	chr10	41418086	41418388	+	0	NA	Intergeni	ALR/Alpha	949808	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-1751	16.84274	0.530759	0.536994	0.988389	0.322962	0.763126	chr5	17517590	17524003	+	0	NA	Intergeni	Intergeni	76786	NR_134271	1.03E+08		NR_134270	ENSG00000	LINC02218	-	long inte	ncRNA
chr20-269	16.84217	0.530711	0.536982	0.988321	0.322995	0.763126	chr20	26948841	26949826	+	0	NA	Intergeni	ALR/Alpha	-740100	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-145	17.35967	0.525205	0.531415	0.988315	0.322998	0.763126	chr22	14587364	14587667	+	0	NA	Intergeni	ALR/Alpha	-940644	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr16-342	20.48643	0.493902	0.499922	0.987958	0.323173	0.763126	chr16	34276979	34277178	+	0	NA	Intergeni	ALR/Alpha	104402	NR_158158	1.03E+08	Hs.692710	NR_158158		CCNYL3	-	cyclin Y	pseudo
chr5-4748	29.9449	0.403664	0.409027	0.98689	0.323697	0.763126	chr5	47488481	47490863	+	0	NA	Intergeni	ALR/Alpha	-1793292	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr22-141	21.50384	0.473386	0.479856	0.986517	0.32388	0.763126	chr22	14146208	14146635	+	0	NA	Intergeni	ALR/Alpha	-1381738	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr22-149	16.84161	0.530662	0.538001	0.986359	0.323957	0.763126	chr22	14948438	14948958	+	0	NA	Intergeni	ALR/Alpha	-579461	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr5-4897	71.69936	0.27306	0.277184	0.985121	0.324565	0.763126	chr5	48970156	48970409	+	0	NA	Intergeni	ALR/Alpha	1471006	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr3-9087	22.59549	0.461793	0.468773	0.98511	0.32457	0.763126	chr3	90874667	90874906	+	0	NA	Intergeni	ALR/Alpha	1767165	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr21-115	16.77872	0.537927	0.546091	0.98505	0.324599	0.763126	chr21	11516814	11517437	+	0	NA	Intergeni	ALR/Alpha	995611	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr11-535	16.32638	0.536689	0.544995	0.984759	0.324742	0.763126	chr11	53509096	53509914	+	0	NA	Intergeni	ALR/Alpha	1094493	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-283	16.32638	0.536689	0.544995	0.984759	0.324742	0.763126	chr20	28371352	28374310	+	0	NA	Intergeni	ALR/Alpha	229834	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chrY-5686	16.32582	0.536642	0.545521	0.983724	0.325251	0.763126	chrY	56865487	56871536	+	0	NA	Intergeni	LTR54B|LT	-85744	NM_005840	10251	Hs.381912	NM_005840	ENSG00000	SPRY3	spry-3	sprouty R	protein-coding
chr10-399	21.53246	0.470409	0.478737	0.982604	0.325802	0.763126	chr10	39989702	39990776	+	0	NA	Intergeni	ALR/Alpha	1293643	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-5873	16.84104	0.53061	0.540065	0.982494	0.325857	0.763126	chr6	58731200	58731874	+	0	NA	Intergeni	ALR/Alpha	-770091	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr9-4398	25.16198	0.438301	0.446454	0.981739	0.326228	0.763126	chr9	43981627	43981847	+	0	NA	Intergeni	ALR/Alpha	855571	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-265	16.87362	0.527157	0.537313	0.981099	0.326544	0.763126	chr20	26552578	26554060	+	0	NA	Intergeni	ALR/Alpha	-344086	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5864	16.32752	0.536796	0.547175	0.981032	0.326577	0.763126	chr6	58642984	58643252	+	0	NA	Intergeni	ALR/Alpha	-681672	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr13-174	25.19286	0.435858	0.444548	0.980451	0.326864	0.763126	chr13	17401593	17404223	+	0	NA	Intergeni	ALR/Alpha	-792389	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr6-5858	21.0178	0.473668	0.483222	0.980229	0.326973	0.763126	chr6	58581433	58582913	+	0	NA	Intergeni	ALR/Alpha	-620727	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr6-5909	21.01723	0.473629	0.48321	0.980172	0.327001	0.763126	chr6	59090363	59090583	+	0	NA	Intergeni	ALR/Alpha	-1129027	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-179	16.35726	0.532982	0.544686	0.978514	0.32782	0.763126	chr14	17983022	17984493	+	0	NA	Intergeni	ALR/Alpha	-617360	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr17-230	16.35726	0.532982	0.544686	0.978514	0.32782	0.763126	chr17	23044062	23044433	+	0	NA	Intergeni	ALR/Alpha	521136	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1243	66.93004	0.280175	0.286399	0.978266	0.327943	0.763126	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2790264	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9203	33.15127	0.382342	0.390906	0.978093	0.328028	0.763126	chr3	92036002	92036239	+	0	NA	Intergeni	ALR/Alpha	1937961	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr22-143	16.35783	0.533028	0.545234	0.977614	0.328265	0.763126	chr22	14351191	14353167	+	0	NA	Intergeni	ALR/Alpha	-1175980	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr9-4405	16.35783	0.533028	0.545234	0.977614	0.328265	0.763126	chr9	44054849	44055319	+	0	NA	Intergeni	ALR/Alpha	928918	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr9-4429	16.77815	0.537955	0.550386	0.977413	0.328365	0.763126	chr9	44292218	44292667	+	0	NA	Intergeni	ALR/Alpha	1166276	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-143	37.44985	0.360754	0.369892	0.975295	0.329414	0.764896	chr22	14392811	14393043	+	0	NA	Intergeni	ALR/Alpha	-1135232	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr14-173	20.50087	0.476942	0.489807	0.973736	0.330188	0.765362	chr14	17363902	17366115	+	0	NA	Intergeni	ALR/Alpha	-1236109	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr16-382	36.65217	0.376363	0.38658	0.973571	0.330269	0.765362	chr16	38265995	38268936	+	0	NA	Intergeni	ALR/Alpha	2520913	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr1-1242	25.80129	0.42689	0.438667	0.973152	0.330478	0.765362	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2685894	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4757	36.38512	0.363007	0.373713	0.971352	0.331373	0.766698	chr5	47572608	47573152	+	0	NA	Intergeni	ALR/Alpha	-1876500	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr22-150	16.38814	0.52926	0.545578	0.970092	0.332001	0.766698	chr22	15034168	15034784	+	0	NA	Intergeni	ALR/Alpha	-493683	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr14-166	21.07956	0.467937	0.482571	0.969675	0.332208	0.766698	chr14	16620669	16621894	+	0	NA	Intergeni	ALR/Alpha	-1979836	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4768	16.87136	0.526891	0.54353	0.969386	0.332352	0.766698	chr5	47683032	47683379	+	0	NA	Intergeni	ALR/Alpha	-1986825	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr17-253	38.95104	0.354922	0.366238	0.969101	0.332495	0.766698	chr17	25364952	25365177	+	0	NA	Intergeni	ALR/Alpha	1724177	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-406	49.78191	0.313924	0.324553	0.96725	0.333419	0.767442	chr10	40633521	40634349	+	0	NA	Intergeni	ALR/Alpha	1734110	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr3-9079	19.98452	0.48044	0.497158	0.966373	0.333858	0.767442	chr3	90797349	90798741	+	0	NA	Intergeni	ALR/Alpha	1690424	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-258	28.42784	0.40505	0.419186	0.966278	0.333905	0.767442	chr19	25827987	25829273	+	0	NA	Intergeni	ALR/Alpha	-1665183	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-924	28.97394	0.401759	0.415894	0.966013	0.334038	0.767442	chr21	9246301	9249867	+	0	NA	Intergeni	Intergeni	-118323	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr22-141	20.01653	0.477466	0.494631	0.965298	0.334396	0.767442	chr22	14147834	14149057	+	0	NA	Intergeni	ALR/Alpha	-1379714	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr11-543	24.70964	0.435581	0.452953	0.961647	0.336227	0.767442	chr11	54324097	54324332	+	0	NA	Intergeni	ALR/Alpha	279784	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-277	24.22133	0.434859	0.452452	0.961115	0.336494	0.767442	chr20	27789658	27791996	+	0	NA	Intergeni	ALR/Alpha	811838	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-261	35.32152	0.365441	0.380361	0.960773	0.336667	0.767442	chr19	26104473	26105679	+	0	NA	Intergeni	ALR/Alpha	-1688355	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-254	29.94943	0.403962	0.420523	0.960618	0.336744	0.767442	chr19	25400566	25400789	+	0	NA	Intergeni	ALR/Alpha	-1237230	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-148	19.95647	0.483867	0.504036	0.959985	0.337063	0.767442	chr22	14850185	14850443	+	0	NA	Intergeni	ALR/Alpha	-677845	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr10-415	20.04628	0.474377	0.494573	0.959164	0.337476	0.767442	chr10	41529610	41531738	+	0	NA	Intergeni	ALR/Alpha	837371	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-270	79.84758	0.262265	0.273788	0.95791	0.338108	0.767442	chr19	27036822	27037063	+	0	NA	Intergeni	ALR/Alpha	-756489	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4653	17.28957	-0.51498	0.537735	-0.95768	0.338223	0.767442	chr5	46535457	46535901	+	0	NA	Intergeni	ALR/Alpha	-839299	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|B(	hyperpola	protein-coding
chr10-406	35.93108	0.360015	0.375951	0.957611	0.338259	0.767442	chr10	40609163	40609439	+	0	NA	Intergeni	ALR/Alpha	1758744	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr17-255	383.5639	0.153285	0.160106	0.957397	0.338367	0.767442	chr17	25569090	25569396	+	0	NA	Intergeni	ALR/Alpha	1519998	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1236	35.38385	0.36203	0.378512	0.956454	0.338843	0.767442	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2180531	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-415	23.70611	0.43696	0.456911	0.956336	0.338902	0.767442	chr10	41578212	41578500	+	0	NA	Intergeni	ALR/Alpha	789689	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-142	20.01823	0.47764	0.499597	0.95605	0.339047	0.767442	chr22	14228412	14228657	+	0	NA	Intergeni	ALR/Alpha	-1299625	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr14-166	23.70668	0.437	0.457244	0.955726	0.339211	0.767442	chr14	16616015	16616608	+	0	NA	Intergeni	ALR/Alpha	-1984806	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4952	17.96583	0.509072	0.533092	0.954941	0.339608	0.767442	chr5	49522813	49523046	+	0	NA	Intergeni	ALR/Alpha	918359	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4893	31.66452	0.380644	0.398761	0.954568	0.339796	0.767442	chr5	48932321	48932538	+	0	NA	Intergeni	ALR/Alpha	1508859	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-250	70.85305	0.266913	0.279694	0.954304	0.33993	0.767442	chr17	25074313	25074655	+	0	NA	Intergeni	ALR/Alpha	2014757	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-410	45.53178	0.329202	0.345121	0.953873	0.340148	0.767442	chr10	41037679	41037893	+	0	NA	Intergeni	ALR/Alpha	1330259	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1216	38.82979	0.36195	0.379453	0.953871	0.340149	0.767442	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	91357	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-268	20.07886	0.471489	0.494629	0.953218	0.34048	0.767442	chr20	26832779	26834323	+	0	NA	Intergeni	ALR/Alpha	-624318	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-175	23.73699	0.434416	0.455782	0.953121	0.340529	0.767442	chr14	17505664	17506111	+	0	NA	Intergeni	ALR/Alpha	-1095230	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-173	23.73642	0.434383	0.456092	0.952402	0.340893	0.767442	chr13	17386855	17388794	+	0	NA	Intergeni	ALR/Alpha	-807473	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr14-175	23.73642	0.434383	0.456092	0.952402	0.340893	0.767442	chr14	17523760	17526446	+	0	NA	Intergeni	ALR/Alpha	-1076014	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr19-260	26.92665	0.416516	0.438038	0.950866	0.341673	0.768172	chr19	26032345	26032548	+	0	NA	Intergeni	ALR/Alpha	-1760985	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-274	19.56193	0.474868	0.499533	0.950625	0.341795	0.768172	chr20	27478082	27479696	+	0	NA	Intergeni	ALR/Alpha	1123776	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr18-199	19.5625	0.474908	0.499964	0.949884	0.342171	0.768369	chr18	19920757	19921137	+	0	NA	Intergeni	ALR/Alpha	1190866	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr1-1225	19.01413	0.481588	0.507812	0.948359	0.342946	0.768689	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	997832	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4902	62.24145	0.281883	0.29737	0.947918	0.343171	0.768689	chr5	49028940	49029162	+	0	NA	Intergeni	ALR/Alpha	1412237	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-279	23.2212	0.436519	0.460995	0.946906	0.343686	0.768689	chr20	27956796	27959161	+	0	NA	Intergeni	ALR/Alpha	644687	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1218	37.46486	0.352389	0.372403	0.946257	0.344018	0.768689	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	338626	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-403	44.48376	0.323741	0.342249	0.945923	0.344188	0.768689	chr10	40367306	40368667	+	0	NA	Intergeni	ALR/Alpha	1671390	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-280	37.4946	0.350681	0.370833	0.945658	0.344323	0.768689	chr20	28039905	28040479	+	0	NA	Intergeni	ALR/Alpha	562473	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-264	19.04557	0.478457	0.505964	0.945633	0.344336	0.768689	chr20	26445171	26452217	+	0	NA	Intergeni	ALR/Alpha	-239461	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5974	38.10474	0.345756	0.366117	0.944385	0.344973	0.768846	chr6	59747797	59748798	+	0	NA	Intergeni	ALR/Alpha	-1786851	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-175	23.25151	0.433896	0.460142	0.942961	0.345701	0.768846	chr14	17535398	17537990	+	0	NA	Intergeni	ALR/Alpha	-1064423	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-174	23.76617	0.431779	0.458194	0.942351	0.346013	0.768846	chr13	17413146	17415738	+	0	NA	Intergeni	ALR/Alpha	-780855	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1235	25.80525	0.426983	0.453143	0.942271	0.346054	0.768846	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1985845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-260	23.25094	0.433862	0.460793	0.941556	0.34642	0.768846	chr19	26079009	26080037	+	0	NA	Intergeni	ALR/Alpha	-1713908	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1240	34.38371	0.361045	0.38355	0.941327	0.346537	0.768846	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2542833	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4982	16.96739	0.515976	0.548463	0.940767	0.346824	0.768846	chr5	49820371	49820596	+	0	NA	Intergeni	ALR/Alpha	620805	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-165	18.52978	0.482283	0.512734	0.940611	0.346904	0.768846	chr13	16573375	16574907	+	0	NA	Intergeni	ALR/Alpha	-1621156	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr11-514	41.82746	0.333253	0.354369	0.940412	0.347006	0.768846	chr11	51446468	51446735	+	0	NA	Intergeni	ALR/Alpha	1037454	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1225	22.70427	0.438651	0.466758	0.939783	0.347329	0.76892	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1020973	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-264	32.24434	0.376257	0.400977	0.938349	0.348065	0.769736	chr19	26467232	26467510	+	0	NA	Intergeni	ALR/Alpha	-1326060	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-247	37.58668	0.345792	0.368732	0.937785	0.348355	0.769736	chr19	24748754	24749288	+	0	NA	Intergeni	ALR/Alpha	-585574	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-121	26.97254	0.402124	0.428989	0.937376	0.348565	0.769736	chr21	12168528	12170203	+	0	NA	Intergeni	ALR/Alpha	-868801	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-249	23.28352	0.431385	0.460672	0.936426	0.349054	0.770177	chr19	24975497	24975696	+	0	NA	Intergeni	ALR/Alpha	-812149	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-253	22.15703	0.443719	0.475639	0.932892	0.350876	0.771949	chr19	25334681	25335561	+	0	NA	Intergeni	ALR/Alpha	-1171674	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo

chr20-276	18.01286	0.486251	0.521257	0.932843	0.350901	0.771949	chr20	27636551	27637602	+	0	NA	Intergeni	ALR/Alpha	965589	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-253	22.7666	0.433393	0.464633	0.932763	0.350942	0.771949	chr19	25348435	25350508	+	0	NA	Intergeni	ALR/Alpha	-1186024	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-413	33.88095	0.368667	0.395425	0.932332	0.351165	0.771949	chr10	41329702	41329904	+	0	NA	Intergeni	ALR/Alpha	1038242	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrX-6202	33.25949	0.367326	0.394103	0.932056	0.351308	0.771949	chrX	62028972	62030283	+	0	NA	Intergeni	ALR/Alpha	1321705	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr9-4358	22.21993	0.43826	0.470772	0.930941	0.351884	0.772354	chr9	43585604	43586046	+	0	NA	Intergeni	ALR/Alpha	459659	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-280	18.04544	0.483037	0.520149	0.928652	0.353069	0.772354	chr20	28049227	28050735	+	0	NA	Intergeni	ALR/Alpha	552684	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-122	18.04544	0.483037	0.520149	0.928652	0.353069	0.772354	chr21	12257025	12258117	+	0	NA	Intergeni	ALR/Alpha	-780595	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-136	18.04374	0.482902	0.520114	0.928454	0.353172	0.772354	chr22	13655316	13655946	+	0	NA	Intergeni	ALR/Alpha	1758225	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-276	18.59097	0.475752	0.513015	0.927365	0.353737	0.772354	chr20	27688376	27688865	+	0	NA	Intergeni	ALR/Alpha	914045	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-400	22.25081	0.435559	0.46982	0.927076	0.353887	0.772354	chr10	40080043	40082761	+	0	NA	Intergeni	ALR/Alpha	1384806	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-275	22.25137	0.435598	0.470537	0.925747	0.354578	0.772354	chr20	27537881	27538327	+	0	NA	Intergeni	ALR/Alpha	1064561	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-248	30.20808	0.376771	0.407029	0.925661	0.354622	0.772354	chr19	24848156	24848397	+	0	NA	Intergeni	ALR/Alpha	-684829	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-5968	17.52851	0.487117	0.52658	0.925058	0.354936	0.772354	chr6	59683252	59683655	+	0	NA	Intergeni	ALR/Alpha	-1722007	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr7-6040	17.52851	0.487117	0.52658	0.925058	0.354936	0.772354	chr7	60400908	60401453	+	0	NA	Intergeni	ALR/Alpha	2902876	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr14-168	17.4965	0.490512	0.530313	0.924948	0.354993	0.772354	chr14	16889979	16890190	+	0	NA	Intergeni	ALR/Alpha	-1711033	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4875	25.87693	0.409249	0.442711	0.924416	0.35527	0.772354	chr5	48756076	48756298	+	0	NA	Intergeni	ALR/Alpha	1685101	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-117	23.28012	0.431138	0.466657	0.923886	0.355545	0.772354	chr21	11713262	11713687	+	0	NA	Intergeni	ALR/Alpha	1191960	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1239	109.0333	0.21613	0.234114	0.923184	0.355911	0.772354	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2429015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-185	22.24911	0.435455	0.471911	0.922747	0.356139	0.772354	chr15	18545551	18546527	+	0	NA	Intergeni	ALR/Alpha	-1736705	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr6-5921	16.95039	0.498756	0.541025	0.921874	0.356594	0.772354	chr6	59217559	59219644	+	0	NA	Intergeni	ALR/Alpha	-1257155	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr10-406	21.73501	0.437828	0.475598	0.920585	0.357267	0.772354	chr10	40610428	40612734	+	0	NA	Intergeni	ALR/Alpha	1756464	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-406	29.11474	0.382272	0.415492	0.920046	0.357549	0.772354	chr10	40601150	40601654	+	0	NA	Intergeni	ALR/Alpha	1766643	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-171	32.86551	0.360252	0.39159	0.919974	0.357586	0.772354	chr13	17173199	17174252	+	0	NA	Intergeni	ALR/Alpha	-1021572	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chrY-1128	17.55939	0.483696	0.525888	0.919769	0.357693	0.772354	chrY	11289002	11290978	+	0	NA	Intergeni	Intergeni	1131600	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr17-264	27.52261	0.398851	0.433754	0.919532	0.357817	0.772354	chr17	26465526	26465743	+	0	NA	Intergeni	ALR/Alpha	623607	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr13-169	17.01272	0.491545	0.534905	0.918938	0.358128	0.772354	chr13	16904482	16905324	+	0	NA	Intergeni	ALR/Alpha	-1290394	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4763	25.97013	0.402232	0.43775	0.918862	0.358168	0.772354	chr5	47636194	47636479	+	0	NA	Intergeni	ALR/Alpha	-1939956	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr17-265	36.07131	0.34456	0.375672	0.917182	0.359047	0.77253	chr17	26548951	26549501	+	0	NA	Intergeni	ALR/Alpha	540015	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-399	129.6836	0.204303	0.222772	0.917097	0.359092	0.77253	chr10	39967487	39968432	+	0	NA	Intergeni	ALR/Alpha	1271363	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr9-4122	18.10663	0.476321	0.519965	0.916063	0.359634	0.77253	chr9	41224934	41225222	+	0	NA	Intergeni	Intergeni	-8677	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr5-4847	21.76589	0.435072	0.474967	0.916005	0.359664	0.77253	chr5	48479609	48480534	+	0	NA	Intergeni	ALR/Alpha	1961217	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-340	17.04303	0.487962	0.533571	0.914521	0.360443	0.77253	chr16	34062721	34064881	+	0	NA	Intergeni	AluYj4|SI	-99777	NR_162093	1.13E+08		NR_162093		MIR9901	-	microRNA	ncRNA
chr12-348	26.54938	0.396546	0.433907	0.913898	0.36077	0.77253	chr12	34834858	34835114	+	0	NA	Intergeni	ALR/Alpha	812490	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr7-5818	29.1765	0.378139	0.413789	0.913845	0.360798	0.77253	chr7	58181856	58183148	+	0	NA	Intergeni	ALR/Alpha	732325	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-264	26.00328	0.400048	0.437787	0.913795	0.360825	0.77253	chr19	26488721	26488932	+	0	NA	Intergeni	ALR/Alpha	-1304605	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-404	95.35748	0.227123	0.248605	0.913587	0.360934	0.77253	chr10	40412450	40414652	+	0	NA	Intergeni	ALR/Alpha	1716955	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr8-4586	21.73671	0.43799	0.481185	0.910231	0.362701	0.77253	chr8	45866419	45866767	+	0	NA	Intergeni	ALR/Alpha	751050	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr19-258	17.58914	0.480157	0.528205	0.909036	0.363331	0.77253	chr19	25840980	25842266	+	0	NA	Intergeni	ALR/Alpha	-1678176	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4869	32.92897	0.356674	0.392477	0.908776	0.363468	0.77253	chr5	48696127	48696344	+	0	NA	Intergeni	ALR/Alpha	1745053	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-523	36.08265	0.35108	0.387211	0.90669	0.364571	0.77253	chr11	52323112	52323338	+	0	NA	Intergeni	ALR/Alpha	1914078	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr8-8580	17.59197	0.480359	0.530757	0.905045	0.365441	0.77253	chr8	85807267	85808822	+	0	NA	Intergeni	MLT1F1|LT	-4483	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr21-125	24.97	0.402478	0.444741	0.904972	0.36548	0.77253	chr21	12571974	12573005	+	0	NA	Intergeni	ALR/Alpha	-465677	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr11-517	16.55755	0.488862	0.541383	0.902987	0.366533	0.77253	chr11	51795006	51796196	+	0	NA	Intergeni	ALR/Alpha	1386454	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-269	17.62058	0.476762	0.528159	0.902686	0.366693	0.77253	chr19	26912870	26913508	+	0	NA	Intergeni	ALR/Alpha	-880242	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1243	20.73205	0.43965	0.487557	0.901742	0.367194	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2861291	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-179	18.6516	0.468938	0.520446	0.901032	0.367571	0.77253	chr14	17977977	17978260	+	0	NA	Intergeni	ALR/Alpha	-622999	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4841	21.27872	0.434401	0.482128	0.901006	0.367585	0.77253	chr5	48414025	48414392	+	0	NA	Intergeni	ALR/Alpha	2027080	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-144	24.42219	0.406208	0.450965	0.900753	0.36772	0.77253	chr22	14404607	14407328	+	0	NA	Intergeni	ALR/Alpha	-1122192	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr19-249	31.28613	0.363297	0.403402	0.900583	0.36781	0.77253	chr19	24929888	24931327	+	0	NA	Intergeni	ALR/Alpha	-767160	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-526	21.31073	0.43167	0.48037	0.898619	0.368855	0.77253	chr11	52672513	52672856	+	0	NA	Intergeni	ALR/Alpha	1931314	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-513	28.1741	0.377386	0.420548	0.897367	0.369523	0.77253	chr11	51310622	51310951	+	0	NA	Intergeni	ALR/Alpha	901639	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4957	28.1741	0.377386	0.420548	0.897367	0.369523	0.77253	chr5	49578878	49579088	+	0	NA	Intergeni	ALR/Alpha	862305	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-264	24.45307	0.403749	0.449941	0.897336	0.369539	0.77253	chr19	26446949	26447239	+	0	NA	Intergeni	ALR/Alpha	-1346337	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-120	16.589	0.485286	0.541177	0.896725	0.369866	0.77253	chr21	12011888	12012241	+	0	NA	Intergeni	ALR/Alpha	-1026102	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr14-177	16.55642	0.488756	0.545691	0.895665	0.370432	0.77253	chr14	17774446	17774665	+	0	NA	Intergeni	ALR/Alpha	-826562	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4993	25.14221	-0.40337	0.451186	-0.89401	0.371316	0.77253	chr5	49933616	49933972	+	0	NA	Intergeni	ALR/Alpha	507494	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6246	34.39702	0.352148	0.394012	0.893749	0.371456	0.77253	chrX	62462860	62463982	+	0	NA	Intergeni	ALR/Alpha	887911	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr20-271	20.7955	0.433993	0.485755	0.89344	0.371622	0.77253	chr20	27137598	27139324	+	0	NA	Intergeni	ALR/Alpha	-929228	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr3-9154	30.77033	0.363755	0.407339	0.893003	0.371856	0.77253	chr3	91548615	91551024	+	0	NA	Intergeni	ALR/Alpha	2424262	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr19-252	30.80178	0.36178	0.405504	0.892173	0.3723	0.77253	chr19	25294053	25296607	+	0	NA	Intergeni	ALR/Alpha	-1131883	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4961	116.5833	0.207945	0.233409	0.890904	0.372981	0.77253	chr5	49610045	49610298	+	0	NA	Intergeni	ALR/Alpha	831117	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4852	38.36679	0.324942	0.36488	0.890546	0.373173	0.77253	chr5	48520703	48521036	+	0	NA	Intergeni	ALR/Alpha	1920419	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-264	60.87567	0.266036	0.299083	0.889506	0.373731	0.77253	chr20	26473176	26475137	+	0	NA	Intergeni	ALR/Alpha	-264923	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr13-173	17.10309	0.480661	0.540475	0.889331	0.373825	0.77253	chr13	17324982	17325340	+	0	NA	Intergeni	ALR/Alpha	-870136	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chrY-1128	17.6509	0.473146	0.532147	0.889126	0.373935	0.77253	chrY	11283781	11284409	+	0	NA	Intergeni	AluSc|SIN	1137495	NR_033667	352887	Hs.546221	NR_033667	ENSG00000	GYG2P1	GYG2P	glycogeni	pseudo
chr3-9371	23.35973	0.411819	0.463771	0.88798	0.374551	0.77253	chr3	93710715	93713305	+	0	NA	Intergeni	ALR/Alpha	262071	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr19-246	18.29084	-0.46399	0.522539	-0.88795	0.374569	0.77253	chr19	24683096	24683388	+	0	NA	Intergeni	ALR/Alpha	-519795	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-9082	25.03346	0.39775	0.448011	0.887814	0.374641	0.77253	chr3	90824886	90825138	+	0	NA	Intergeni	ALR/Alpha	1717391	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr13-177	24.48678	0.401469	0.452744	0.886746	0.375216	0.77253	chr13	17707450	17708448	+	0	NA	Intergeni	ALR/Alpha	-487348	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr18-205	37.05558	0.339734	0.383666	0.885494	0.37589	0.77253	chr18	20561217	20562410	+	0	NA	Intergeni	ALR/Alpha	550000	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr8-4468	27.1105	0.381049	0.430559	0.885009	0.376152	0.77253	chr8	44687929	44688211	+	0	NA	Intergeni	ALR/Alpha	1395628	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr11-528	52.86032	0.286089	0.323412	0.884596	0.376375	0.77253	chr11	52891994	52892219	+	0	NA	Intergeni	ALR/Alpha	1711892	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-415	19.76279	0.438815	0.496784	0.883312	0.377068	0.77253	chr10	41537732	41538081	+	0	NA	Intergeni	ALR/Alpha	830139	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-276	19.18467	0.447689	0.507024	0.882975	0.37725	0.77253	chr20	27696859	27699961	+	0	NA	Intergeni	ALR/Alpha	904255	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-533	19.23142	0.458809	0.520002	0.882321	0.377603	0.77253	chr11	53356187	53356504	+	0	NA	Intergeni	ALR/Alpha	1247653	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-276	20.30946	0.433355	0.491403	0.881873	0.377845	0.77253	chr20	27644318	27645668	+	0	NA	Intergeni	ALR/Alpha	957672	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1244	41.08484	0.312202	0.354338	0.881087	0.378271	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2892521	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-406	20.31059	0.433426	0.492237	0.880523	0.378576	0.77253	chr10	40688376	40688761	+	0	NA	Intergeni	ALR/Alpha	1679477	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr9-4368	26.56496	0.384258	0.436497	0.880324	0.378684	0.77253	chr9	43680278	43680546	+	0	NA	Intergeni	ALR/Alpha	554246	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-4503	28.26787	0.371062	0.421574	0.880182	0.378761	0.77253	chr8	45035584	45035883	+	0	NA	Intergeni	ALR/Alpha	1581910	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr19-265	60.9717	0.263086	0.298943	0.880056	0.378829	0.77253	chr19	26569625	26569912	+	0	NA	Intergeni	ALR/Alpha	-1223663	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4991	37.88074	0.323156	0.367348	0.879701	0.379022	0.77253	chr5	49911354	49911635	+	0	NA	Intergeni	ALR/Alpha	529794	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1247	37.33464	0.324614	0.369136	0.879388	0.379191	0.77253	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3222253	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4897	55.62483	0.272377	0.310201	0.878068	0.379907	0.77253	chr5	48972894	48974288	+	0	NA	Intergeni	ALR/Alpha	1467697	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4376	22.9057	0.408116	0.46496	0.877742	0.380083	0.77253	chr9	43767399	43767601	+	0	NA	Intergeni	ALR/Alpha	641334	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-4497	19.247	0.441452	0.503337	0.877051	0.380459	0.77253	chr8	44976896	44978083	+	0	NA	Intergeni	ALR/Alpha	1640154	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr22-143	24.03049	0.397696	0.453807	0.876353	0.380838	0.77253	chr22	14389940	14391849	+	0	NA	Intergeni	ALR/Alpha	-1137265	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr5-4827	30.40894	0.354239	0.405593	0.873387	0.382452	0.77253	chr5	48270762	48271011	+	0	NA	Intergeni	ALR/Alpha	2170402	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-173	20.70626	0.443259	0.507741	0.873002	0.382662	0.77253	chr13	17356944	17357153	+	0	NA	Intergeni	ALR/Alpha	-838249	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-118	24.57659	0.393907	0.452145	0.871196	0.383647	0.77253	chr22	11898431	11899210	+	0	NA	intron (N	intron (N	1414	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chrX-6225	34.16198	0.336191	0.386096	0.870743	0.383895	0.77253	chrX	62255222	62255620	+	0	NA	Intergeni	ALR/Alpha	1095911	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-268	26.68792	0.375142	0.431059	0.870281	0.384147	0.77253	chr19	26831310	26831557	+	0	NA	Intergeni	ALR/Alpha	-961998	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-252	29.80221	0.360727	0.414839	0.869558	0.384542	0.77253	chr19	25235673	25235936	+	0	NA	Intergeni	ALR/Alpha	-1072357	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-270	42.20907	0.308317	0.35485	0.868866	0.384921	0.77253	chr19	27067411	27067662	+	0	NA	Intergeni	ALR/Alpha	-725895	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-516	29.25384	0.36314	0.418708	0.867286	0.385785	0.77253	chr11	51606879	51607078	+	0	NA	Intergeni	ALR/Alpha	1197831	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr20-279	19.82342	0.432652	0.499353	0.866425	0.386257	0.77253	chr20	27950713	27951028	+	0	NA	Intergeni	ALR/Alpha	651795	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1240	22.99834	0.400301	0.462407	0.865689	0.386661	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2522543	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4553	22.9989	0.400335	0.462759	0.865105	0.386981	0.77253	chr8	45534749	45535135	+	0	NA	Intergeni	ALR/Alpha	1082701	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr17-236	16.68221	0.474096	0.549721	0.862431	0.38845	0.77253	chr17	23615437	23615671	+	0	NA	Intergeni	ALR/Alpha	1092443	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr11-516	23.44954	0.403917	0.468368	0.862393	0.388471	0.77253	chr11	51696853	51697087	+	0	NA	Intergeni	ALR/Alpha	1287823	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-254	18.21371	0.447058	0.518848	0.861636	0.388888	0.77253	chr19	25491461	25491694	+	0	NA	Intergeni	ALR/Alpha	-1328130	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-407	26.71766	0.372836	0.432731	0.861589	0.388914	0.77253	chr10	40763199	40763862	+	0	NA	Intergeni	ALR/Alpha	1604515	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1225	60.03219	0.258803	0.300708	0.860646	0.389433	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1052348	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5999	44.91579	0.292556	0.340124	0.860145	0.389709	0.77253	chr7	59994884	59996741	+	0	NA	Intergeni	ALR/Alpha	2545635	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr6-5965	19.85599	0.42972	0.499886	0.859637	0.389989	0.77253	chr6	59656520	59656776	+	0	NA	Intergeni	ALR/Alpha	-1695202	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr20-270	18.24516	0.443801	0.516345	0.859506	0.390061	0.77253	chr20	27009796	27012140	+	0	NA	Intergeni	ALR/Alpha	-801735	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-272	18.24516	0.443801	0.516345	0.859506	0.390061	0.77253	chr20	27250959	27251901	+	0	NA	Intergeni	ALR/Alpha	-1042197	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-165	18.21598	0.44727	0.520803	0.858808	0.390446	0.77253	chr14	16505243	16505474	+	0	NA	Intergeni	ALR/Alpha	-2095759	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-4417	21.87241	0.411342	0.479008	0.858736	0.390486	0.77253	chr8	44174572	44175629	+	0	NA	Intergeni	ALR/Alpha	882658	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr17-247	38.44356	0.31376	0.365692	0.857988	0.390899	0.77253	chr17	24751906	24752187	+	0	NA	Intergeni	ALR/Alpha	2228935	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr20-276	32.58259	0.337962	0.393903	0.857983	0.390902	0.77253	chr20	27655973	27656827	+	0	NA	Intergeni	ALR/Alpha	946265	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4927	59.38273	-0.26267	0.306314	-0.85753	0.39115	0.77253	chr5	49273005	49273206	+	0	NA	Intergeni	ALR/Alpha	1168183	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-181	61.18503	0.255936	0.298495	0.857421	0.391212	0.77253	chr14	18124535	18124818	+	0	NA	Intergeni	ALR/Alpha	-476441	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-4464	25.65577	0.376584	0.439411	0.857019	0.391434	0.77253	chr8	44646354	44647609	+	0	NA	Intergeni	ALR/Alpha	1354539	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr15-197	32.00391	0.341699	0.398793	0.856832	0.391537	0.77253	chr15	19775405	19780124	+	0	NA	Intergeni	ALR/Alpha	-504980	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr10-411	36.36538	0.321004	0.374935	0.856158	0.39191	0.77253	chr10	41143920	41144303	+	0	NA	Intergeni	ALR/Alpha	1223934	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4931	71.45166	0.239317	0.279552	0.856072	0.391958	0.77253	chr5	49319969	49320917	+	0	NA	Intergeni	ALR/Alpha	1120845	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-408	22.51342	0.399054	0.467475	0.853636	0.393306	0.77253	chr10	40822031	40822542	+	0	NA	Intergeni	ALR/Alpha	1545759	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4958	59.5759	0.256052	0.300096	0.853233	0.39353	0.77253	chr5	49588060	49588295	+	0	NA	Intergeni	ALR/Alpha	853111	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-298	17.72937	0.446804	0.523861	0.852906	0.393712	0.77253	chr20	29873319	29882220	+	0	NA	Intergeni	Intergeni	-2615	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr5-4953	21.96675	0.403163	0.472775	0.852759	0.393793	0.77253	chr5	49535217	49537850	+	0	NA	Intergeni	ALR/Alpha	904755	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5944	18.27717	0.440628	0.516736	0.852714	0.393818	0.77253	chr6	59446143	59447443	+	0	NA	Intergeni	ALR/Alpha	-1485347	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA

chr13-173	17.7288	0.446763	0.524341	0.852048	0.394187	0.77253	chr13	17373537	17375780	+		0	NA	Intergeni	ALR/Alpha	-820639	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1245	82.77451	0.225225	0.264376	0.851912	0.394263	0.77253	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3026728	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-187	18.82271	0.434593	0.510504	0.851301	0.394602	0.77253	chr18	18734904	18735299	+		0	NA	Intergeni	ALR/Alpha	2376712	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr10-405	37.92833	0.3135	0.368682	0.850325	0.395144	0.77253	chr10	40598530	40599670	+		0	NA	Intergeni	ALR/Alpha	1768945	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1228	21.41951	0.407444	0.479498	0.849731	0.395475	0.77253	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1351013	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1244	17.72823	0.446735	0.525811	0.84961	0.395542	0.77253	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2938015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1236	41.73917	0.299367	0.352665	0.848872	0.395953	0.77253	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2084346	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-372	31.48755	0.341774	0.402656	0.848799	0.395993	0.77253	chr12	37235338	37240633	+		0	NA	Intergeni	ALR/Alpha	-1078789	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr12-372	21.42008	0.407496	0.480267	0.848478	0.396172	0.77253	chr12	37266624	37266892	+		0	NA	Intergeni	ALR/Alpha	-1050016	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr21-127	17.76025	0.443444	0.522711	0.848354	0.396241	0.77253	chr21	12725269	12726803	+		0	NA	Intergeni	ALR/Alpha	-312130	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-143	17.76025	0.443444	0.522711	0.848354	0.396241	0.77253	chr22	14395521	14396628	+		0	NA	Intergeni	ALR/Alpha	-1132085	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-170	21.99763	0.400458	0.472554	0.847432	0.396754	0.77253	chr14	17052725	17052993	+		0	NA	Intergeni	ALR/Alpha	-1548258	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1217	52.43178	0.272191	0.321261	0.847259	0.396851	0.77253	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	256065	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-180	21.93757	0.406062	0.479316	0.847171	0.3969	0.77253	chr14	18066259	18066583	+		0	NA	Intergeni	ALR/Alpha	-534696	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-886	18.30692	0.437278	0.516176	0.84715	0.396912	0.77253	chr21	8862931	8868354	+		0	NA	Intergeni	Intergeni	-121357	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr21-122	25.17085	0.374997	0.443053	0.846392	0.397334	0.77253	chr21	12266369	12268802	+		0	NA	Intergeni	ALR/Alpha	-770581	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1234	28.34521	0.355423	0.420131	0.845982	0.397563	0.77253	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1904068	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4795	25.17029	0.374965	0.443343	0.845767	0.397683	0.77253	chr5	47952831	47954155	+		0	NA	Intergeni	ALR/Alpha	-2257113	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-4414	21.9982	0.40049	0.473659	0.845524	0.397818	0.77253	chr9	44147028	44147227	+		0	NA	Intergeni	ALR/Alpha	1020961	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-295	18.30635	0.437222	0.517107	0.845515	0.397824	0.77253	chr20	29500852	29501054	+		0	NA	Intergeni	MSTA|LTR|	-3619	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr20-288	17.21301	0.449947	0.532292	0.8453	0.397944	0.77253	chr20	28816385	28817766	+		0	NA	Intergeni	ALR/Alpha	-214410	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr18-796	17.75911	0.443357	0.524656	0.845044	0.398087	0.77253	chr18	79618662	79620626	+		0	NA	Intergeni	Intergeni	40362	NR_148949	284240	Hs.448912	NR_148949		LOC284240	-	uncharact	ncRNA
chr21-116	41.80262	0.29655	0.351028	0.844802	0.398221	0.77253	chr21	11641143	11642059	+		0	NA	Intergeni	ALR/Alpha	1120087	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1227	45.03761	0.287126	0.340082	0.844284	0.398511	0.77253	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1258736	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	32.12799	0.334228	0.395895	0.844233	0.398539	0.77253	chr19	26965800	26968012	+		0	NA	Intergeni	ALR/Alpha	-826525	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1247	28.92333	0.351005	0.415772	0.844225	0.398544	0.77253	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3228454	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5879	224.5676	0.153569	0.182119	0.843232	0.399099	0.77253	chr7	58797682	58798049	+		0	NA	Intergeni	ALR/Alpha	1347688	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-119	44.46289	0.289395	0.343282	0.843023	0.399215	0.77253	chr21	11968826	11969139	+		0	NA	Intergeni	ALR/Alpha	-1069184	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4760	60.58991	0.253645	0.300896	0.842965	0.399248	0.77253	chr5	47604224	47604455	+		0	NA	Intergeni	ALR/Alpha	-1907959	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1229	32.12856	0.334253	0.396767	0.84244	0.399542	0.77253	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1406417	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-542	17.24446	0.446517	0.53052	0.841659	0.399979	0.77253	chr11	54298656	54298870	+		0	NA	Intergeni	ALR/Alpha	305235	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1217	17.24389	0.44647	0.530509	0.841588	0.400018	0.77253	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	233824	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-936	17.79169	0.44014	0.523089	0.841425	0.40011	0.77253	chr21	9360015	9361765	+		0	NA	Intergeni	CER|Satel	-182140	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr11-942	20.90259	0.409063	0.486303	0.841169	0.400253	0.77253	chr11	94237872	94239845	+		0	NA	Intergeni	L1PA4|LIN	-66779	NM_001199	390243	Hs.553758	NM_001080	ENSG00000	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr10-410	24.5916	0.380594	0.45281	0.840515	0.40062	0.77253	chr10	41084181	41084400	+		0	NA	Intergeni	ALR/Alpha	1283755	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-176	27.7974	0.357877	0.425844	0.840396	0.400687	0.77253	chr13	17659813	17660072	+		0	NA	Intergeni	ALR/Alpha	-535355	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr6-5845	91.17855	0.211475	0.251753	0.84001	0.400903	0.77253	chr6	58450046	58450908	+		0	NA	Intergeni	ALR/Alpha	-489031	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr18-196	17.79226	0.440176	0.524577	0.839106	0.40141	0.77253	chr18	19658491	19658701	+		0	NA	Intergeni	ALR/Alpha	1453217	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr20-276	20.9346	0.406264	0.484434	0.838637	0.401673	0.77253	chr20	27613897	27614827	+		0	NA	Intergeni	ALR/Alpha	988303	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-143	31.03238	0.33789	0.403737	0.836905	0.402646	0.77253	chr22	14307405	14308740	+		0	NA	Intergeni	ALR/Alpha	-1220087	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-288	17.27534	0.443072	0.52982	0.83627	0.403003	0.77253	chr20	28868562	28871424	+		0	NA	Intergeni	ALR/Alpha	-210397	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr10-408	27.85973	0.353573	0.422941	0.835986	0.403163	0.77253	chr10	40878269	40879804	+		0	NA	Intergeni	ALR/Alpha	1489009	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-265	31.0644	0.336001	0.402187	0.835436	0.403472	0.77253	chr20	26505393	26509724	+		0	NA	Intergeni	ALR/Alpha	-298325	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-179	31.06383	0.335974	0.402176	0.83539	0.403498	0.77253	chr14	17911126	17911452	+		0	NA	Intergeni	ALR/Alpha	-689828	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr12-354	16.6652	0.457005	0.547094	0.835333	0.40353	0.77253	chr12	35466939	35467386	+		0	NA	Intergeni	ALR/Alpha	1444666	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-410	20.96492	0.403379	0.482949	0.835242	0.403582	0.77253	chr10	41011090	41011491	+		0	NA	Intergeni	ALR/Alpha	1356755	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr13-179	16.7281	0.44973	0.538755	0.834758	0.403854	0.77253	chr13	17947873	17949276	+		0	NA	Intergeni	ALR/Alpha	-246723	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr22-142	16.7281	0.44973	0.538755	0.834758	0.403854	0.77253	chr22	14234319	14236688	+		0	NA	Intergeni	ALR/Alpha	-1292656	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr1-1223	16.72866	0.449786	0.539302	0.834015	0.404272	0.77253	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	819080	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-178	24.68707	0.373422	0.448972	0.831728	0.405563	0.77253	chr14	17829739	17830715	+		0	NA	Intergeni	ALR/Alpha	-770890	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-278	16.72696	0.44966	0.540883	0.831345	0.405779	0.77253	chr20	27827668	27829704	+		0	NA	Intergeni	ALR/Alpha	773979	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr6-5866	16.66464	0.457042	0.549847	0.831217	0.405851	0.77253	chr6	58662243	58665639	+		0	NA	Intergeni	ALR/Alpha	-702495	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-136	50.5097	0.269425	0.324519	0.83023	0.406409	0.77253	chr22	13610786	13611149	+		0	NA	Intergeni	ALR/Alpha	1713561	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr22-143	27.79514	0.357879	0.431148	0.830061	0.406504	0.77253	chr22	14364856	14365076	+		0	NA	Intergeni	ALR/Alpha	-1163193	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-294	19.88581	-0.41504	0.500129	-0.82986	0.406619	0.77253	chr20	29448418	29449975	+		0	NA	intron (N	intron (N	679	NR_134504	1.05E+08	Hs.702270	NR_134504		LOC105379	-	uncharact	ncRNA
chr5-4729	16.75954	0.446223	0.537965	0.829464	0.406842	0.77253	chr5	47296295	47297952	+		0	NA	Intergeni	ALR/Alpha	-1600743	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr13-166	16.75841	0.446126	0.537943	0.829319	0.406924	0.77253	chr13	16699070	16700158	+		0	NA	Intergeni	ALR/Alpha	-1495683	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-276	16.75841	0.446126	0.537943	0.829319	0.406924	0.77253	chr20	27640934	27643176	+		0	NA	Intergeni	ALR/Alpha	960610	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-888	16.75841	0.446126	0.537943	0.829319	0.406924	0.77253	chr21	8883729	8885201	+		0	NA	Intergeni	Intergeni	-102534	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr21-909	16.75841	0.446126	0.537943	0.829319	0.406924	0.77253	chr21	9098501	9101269	+		0	NA	intron (N	CER|Satel	29876	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr5-4954	37.56581	0.305127	0.368145	0.828822	0.407205	0.77253	chr5	49545261	49549294	+		0	NA	Intergeni	ALR/Alpha	894011	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-529	96.63421	0.204446	0.246675	0.828808	0.407213	0.77253	chr11	52907983	52908293	+		0	NA	Intergeni	ALR/Alpha	1695860	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1238	20.99693	0.400625	0.484239	0.827329	0.40805	0.77253	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2364604	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1244	27.89231	0.351541	0.425458	0.826265	0.408654	0.77253	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2906844	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-342	24.17072	0.374133	0.452895	0.826094	0.408751	0.77253	chr16	34205247	34205459	+		0	NA	Intergeni	ALR/Alpha	41775	NR_162093	1.13E+08		NR_162093		MIR9901	-	microRNA	ncRNA
chr1-1217	24.16845	0.373994	0.452849	0.82587	0.408878	0.77253	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	244812	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-523	27.37425	0.351664	0.426062	0.825381	0.409155	0.77253	chr11	52320597	52321217	+		0	NA	Intergeni	ALR/Alpha	1911760	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-181	16.78986	0.442632	0.537206	0.823953	0.409967	0.77253	chr14	18141184	18141766	+		0	NA	Intergeni	ALR/Alpha	-459642	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr9-4465	20.48	0.402089	0.488357	0.823351	0.410308	0.77253	chr9	44652503	44653006	+		0	NA	Intergeni	ALR/Alpha	1526588	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr4-9323	16.24319	0.449517	0.546006	0.823283	0.410347	0.77253	chr4	9323055	9325890	+		0	NA	promoter-	promoter-	-693	NM_001242	728400	Hs.553810	NM_001242	ENSG00000	USP17L28	-	ubiquitir	protein-coding
chr13-175	16.24262	0.449467	0.545994	0.823208	0.41039	0.77253	chr13	17532781	17533695	+		0	NA	Intergeni	ALR/Alpha	-662059	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-269	23.66853	0.385716	0.469178	0.82211	0.411014	0.77253	chr19	26999135	26999354	+		0	NA	Intergeni	ALR/Alpha	-794187	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-173	30.00137	0.337979	0.411271	0.82179	0.411197	0.77253	chr13	17359794	17360255	+		0	NA	Intergeni	ALR/Alpha	-835273	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr12-372	26.73381	0.361053	0.439426	0.821647	0.411278	0.77253	chr12	37246316	37247373	+		0	NA	Intergeni	ALR/Alpha	-1069930	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr18-154	16.24205	0.449426	0.547103	0.821466	0.411381	0.77253	chr18	15476260	15480256	+		0	NA	Intergeni	ALR/Alpha	-152339	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr3-9128	23.65322	0.374794	0.456602	0.820832	0.411742	0.77253	chr3	91281461	91281953	+		0	NA	Intergeni	ALR/Alpha	2174086	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr11-537	42.37678	0.293849	0.358114	0.820544	0.411906	0.77253	chr11	53700272	53700620	+		0	NA	Intergeni	ALR/Alpha	903552	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr21-129	17.3371	0.436149	0.531612	0.820427	0.411973	0.77253	chr21	12915567	12915789	+		0	NA	Intergeni	ALR/Alpha	-122488	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-2440	17.38891	-0.44125	0.537869	-0.82037	0.412008	0.77253	chr1	2440413	2440671	+		0	NA	Intergeni	CpG	-26909	NM_001303	9651	Hs.170156	NM_014638	ENSG00000	PLCH2	PLC-L4|PL	phospholi	protein-coding
chr21-116	17.33766	0.436174	0.532652	0.818872	0.412859	0.77253	chr21	11632277	11632484	+		0	NA	Intergeni	ALR/Alpha	1110866	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr19-268	39.75249	0.300351	0.367018	0.818354	0.413155	0.77253	chr19	26875075	26875375	+		0	NA	Intergeni	ALR/Alpha	-918206	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-408	16.27407	0.445864	0.545155	0.817865	0.413434	0.77253	chr10	40844022	40845165	+		0	NA	Intergeni	ALR/Alpha	1523452	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-6047	16.27407	0.445864	0.545155	0.817865	0.413434	0.77253	chr7	60471601	60472343	+		0	NA	Intergeni	ALR/Alpha	2832084	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr22-134	24.23134	0.369156	0.451435	0.817739	0.413506	0.77253	chr22	13491870	13492125	+		0	NA	Intergeni	ALR/Alpha	1594591	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr20-268	20.51088	0.399196	0.48843	0.817304	0.413755	0.77253	chr20	26889258	26889623	+		0	NA	Intergeni	ALR/Alpha	-680207	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-521	33.23861	0.321403	0.393489	0.816802	0.414041	0.77253	chr11	52167299	52167516	+		0	NA	Intergeni	ALR/Alpha	1758260	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-530	42.45808	0.284237	0.348155	0.816411	0.414265	0.77253	chr11	53048316	53048555	+		0	NA	Intergeni	ALR/Alpha	1555563	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr18-158	33.8122	0.317864	0.389348	0.816399	0.414272	0.77253	chr18	15850855	15851080	+		0	NA	Intergeni	ALR/Alpha	-525048	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr22-119	16.27463	0.445912	0.546284	0.816265	0.414349	0.77253	chr22	11925735	11926774	+		0	NA	intron (N	L1PA12|LI	28848	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr9-6060	19.96421	0.403702	0.49473	0.816005	0.414497	0.77253	chr9	60601394	60601656	+		0	NA	Intergeni	ALR/Alpha	-312882	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr19-265	67.93262	0.231712	0.284506	0.814439	0.415394	0.77253	chr19	26549285	26550170	+		0	NA	Intergeni	ALR/Alpha	-1243704	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-115	38.61353	0.298109	0.366651	0.81306	0.416184	0.77253	chr21	11522468	11523107	+		0	NA	Intergeni	ALR/Alpha	1001273	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr13-171	19.99396	0.400654	0.494332	0.810497	0.417655	0.77253	chr13	17144723	17146056	+		0	NA	Intergeni	ALR/Alpha	-1049908	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-266	20.54176	0.396286	0.489314	0.809881	0.418008	0.77253	chr19	26626704	26628663	+		0	NA	Intergeni	ALR/Alpha	-1165748	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1248	26.34153	0.352152	0.434914	0.809707	0.418109	0.77253	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3310470	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-4347	23.16888	0.373073	0.461043	0.809193	0.418404	0.77253	chr9	43476138	43476528	+		0	NA	Intergeni	ALR/Alpha	350167	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr22-146	16.30551	0.442249	0.546599	0.809092	0.418462	0.77253	chr22	14668346	14668961	+		0	NA	Intergeni	ALR/Alpha	-859506	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr9-4344	20.54233	0.396313	0.490135	0.808579	0.418757	0.77253	chr9	43446071	43446455	+		0	NA	Intergeni	ALR/Alpha	320097	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr8-4434	19.44672	0.405278	0.501812	0.807629	0.419304	0.77253	chr8	44341236	44341511	+		0	NA	Intergeni	ALR/Alpha	1048931	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr5-4768	50.03866	0.261677	0.324034	0.807558	0.419345	0.77253	chr5	47685837	47686164	+		0	NA	Intergeni	ALR/Alpha	-1989620	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-6062	16.30325	0.442023	0.548809	0.805423	0.420576	0.77253	chr9	60627477	60627768	+		0	NA	Intergeni	ALR/Alpha	-286785	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr10-419	19.44615	0.405253	0.503555	0.804784	0.420944	0.77253	chr10	41901661	41902072	+		0	NA	Intergeni	(AATGG)n|	466179	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9369	18.90118	0.410336	0.510749	0.8034	0.421743	0.77253	chr2	93697131	93697722	+		0	NA	Intergeni	ALR/Alpha	510993	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr4-5006	16.85048	0.435316	0.54225	0.802797	0.422092	0.77253	chr4	50064365	50064692	+		0	NA	Intergeni	ALR/Alpha	1077886	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr21-126	25.7943	0.35478	0.442041	0.802595	0.422209	0.77253	chr21	12692225	12692913	+		0	NA	Intergeni	ALR/Alpha	-345597	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr19-264	29.03098	0.333832	0.416226	0.802047	0.422526	0.77253	chr19	26454297	26454496	+		0	NA	Intergeni	ALR/Alpha	-1339035	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-528	18.93149	0.407101	0.507949	0.80146	0.422865	0.77253	chr11	52876291	52876539	+		0	NA	Intergeni	ALR/Alpha	1727583	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr6-5968	18.93149	0.407101	0.507949	0.80146	0.422865	0.77253	chr6	59688192	59689525	+		0	NA	Intergeni	ALR/Alpha	-1727412	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4759	22.61994	0.376384	0.469733	0.801272	0.422974	0.77253	chr5	47592580	47594592	+		0	NA	Intergeni	ALR/Alpha	-1897206	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1246	50.37427	0.270242	0.337395	0.800966	0.423152	0.77253	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3162687	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1231	50.10156	0.259301	0.323859	0.800661	0.423328	0.77253	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1628073	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-191	16.27123	0.445592	0.556553	0.800628	0.423347	0.77253	chr15	19174326	19174541	+		0	NA	Intergeni	ALR/Alpha	-1108311	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4983	19.47987	0.4024	0.502745	0.800406	0.423476	0.77253	chr5	49836073	49836324	+		0	NA	Intergeni	ALR/Alpha	605090	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-259	16.30268	0.441932	0.552226	0.800274	0.423552	0.77253	chr19	25960443	25960837	+		0	NA	Intergeni	ALR/Alpha	-1797193	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4905	35.53239	0.301622	0.377487	0.799027	0.424275	0.77253	chr5	49055825	49058084	+		0	NA	Intergeni	ALR/Alpha	1384334	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-264	22.6834	0.371205	0.465227	0.797901	0.424928	0.77253	chr20	26477852	26480678	+		0	NA	Intergeni	ALR/Alpha	-270032	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr11-524	26.43417	0.345404	0.433351	0.797054	0.42542	0.77253	chr11	52425369	52425568	+		0	NA	Intergeni	ALR/Alpha	2016321	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4745	18.96181	0.403926	0.506999	0.7967	0.425625	0.77253	chr5	47458881	47460053	+		0	NA	Intergeni	ALR/Alpha	-1763087	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4942	22.68227	0.371133	0.465906	0.796583	0.425693	0.77253	chr5	49428487	49429497	+		0	NA	Intergeni	ALR/Alpha	1012296	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-348	22.10528	0.377318	0.473695	0.796541	0.425717	0.77253	chr12	34897700	34898211	+		0	NA	Intergeni	ALR/Alpha	875459	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr5-4831	23.20146	0.370622	0.465774	0.795712	0.426199	0.77253	chr5	48310822	48311021	+		0	NA	Intergeni	ALR/Alpha	2130367	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-285	25.88864	0.347908	0.437814	0.794647	0.426819	0.77253	chr20	28517295	28520720	+		0	NA	Intergeni	ALR/Alpha	83658	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo

chr3-9370	28.48317	0.335889	0.422835	0.794374	0.426978	0.77253	chr3	93707920	93708854	+	0	NA	Intergeni	ALR/Alpha	265694	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr18-209	25.30995	0.352763	0.444479	0.793653	0.427397	0.77253	chr18	20920124	20922964	+	0	NA	Intergeni	ALR/Alpha	190269	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr11-532	23.22837	0.367796	0.463472	0.793567	0.427448	0.77253	chr11	53208782	53209058	+	0	NA	Intergeni	ALR/Alpha	1395078	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chrX-6182	18.99325	0.400855	0.50609	0.792063	0.428324	0.77253	chrX	61821703	61822775	+	0	NA	Intergeni	ALR/Alpha	1529093	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-271	49.03739	0.25892	0.326982	0.791848	0.428449	0.77253	chr19	27155416	27156226	+	0	NA	Intergeni	ALR/Alpha	-637610	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-4340	18.99382	0.400897	0.506552	0.791423	0.428697	0.77253	chr9	43404739	43405154	+	0	NA	Intergeni	ALR/Alpha	278780	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-409	18.41457	0.40893	0.516704	0.791421	0.428698	0.77253	chr10	40966719	40967731	+	0	NA	Intergeni	ALR/Alpha	1400820	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-407	22.71315	0.368525	0.465746	0.791258	0.428794	0.77253	chr10	40715108	40715938	+	0	NA	Intergeni	ALR/Alpha	1652522	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4733	44.72607	0.271896	0.343864	0.790708	0.429114	0.77253	chr5	47333264	47333476	+	0	NA	Intergeni	ALR/Alpha	-1636990	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-263	19.4759	0.402104	0.508906	0.790134	0.429449	0.77253	chr19	26365465	26365668	+	0	NA	Intergeni	ALR/Alpha	-1427865	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr22-135	22.16648	0.371885	0.47077	0.78995	0.429557	0.77253	chr22	13566804	13567041	+	0	NA	Intergeni	ALR/Alpha	1669516	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr8-8577	18.44602	0.405716	0.513799	0.78964	0.429738	0.77253	chr8	85772118	85779128	+	0	NA	non-codin	non-codin	470	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr13-171	22.13786	0.374766	0.475025	0.788939	0.430148	0.77253	chr13	17175128	17175365	+	0	NA	Intergeni	ALR/Alpha	-1020051	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-277	18.44545	0.405682	0.51473	0.788146	0.430612	0.77253	chr20	27764752	27766026	+	0	NA	Intergeni	ALR/Alpha	837276	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-402	31.17148	0.320302	0.406961	0.787058	0.431248	0.77253	chr10	40262593	40263185	+	0	NA	Intergeni	ALR/Alpha	1566293	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-525	16.36784	0.43477	0.553042	0.786143	0.431784	0.77253	chr11	52550681	52550907	+	0	NA	Intergeni	ALR/Alpha	2053204	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr3-9121	18.99495	0.400973	0.510217	0.785888	0.431933	0.77253	chr3	91213803	91214340	+	0	NA	Intergeni	ALR/Alpha	2106450	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr1-1237	19.02413	0.397739	0.506527	0.785227	0.43232	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2215157	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	19.02413	0.397739	0.506527	0.785227	0.43232	0.77253	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3249819	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	18.47746	0.402558	0.512811	0.785002	0.432452	0.77253	chr10	40284697	40289739	+	0	NA	Intergeni	ALR/Alpha	1590622	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-887	18.47746	0.402558	0.512811	0.785002	0.432452	0.77253	chr21	8871428	8872191	+	0	NA	Intergeni	L2c|LINE|	-115190	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr21-931	18.47746	0.402558	0.512811	0.785002	0.432452	0.77253	chr21	9317371	9321746	+	0	NA	Intergeni	L1MA3|LIN	-189797	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr20-277	35.04917	0.299496	0.381574	0.784895	0.432515	0.77253	chr20	27716405	27717108	+	0	NA	Intergeni	ALR/Alpha	885909	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-256	29.70004	0.323756	0.412603	0.784666	0.432649	0.77253	chr19	25640170	25640383	+	0	NA	Intergeni	ALR/Alpha	-1476829	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1229	28.60782	0.327519	0.417418	0.784631	0.43267	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1394132	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	28.60669	0.32746	0.417396	0.784531	0.432729	0.77253	chr10	40835166	40835661	+	0	NA	Intergeni	ALR/Alpha	1532632	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4924	50.1908	0.255556	0.325792	0.784415	0.432797	0.77253	chr5	49245693	49245934	+	0	NA	Intergeni	ALR/Alpha	1195475	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-267	25.40202	0.345681	0.441226	0.783456	0.433359	0.77253	chr20	26724437	26725594	+	0	NA	Intergeni	ALR/Alpha	-515782	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-6060	28.02971	0.331561	0.423224	0.783417	0.433382	0.77253	chr9	60604847	60605060	+	0	NA	Intergeni	ALR/Alpha	-309454	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr5-4936	31.84337	0.31113	0.397186	0.783334	0.433431	0.77253	chr5	49366294	49368506	+	0	NA	Intergeni	ALR/Alpha	1073888	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1227	142.9741	0.167307	0.213741	0.782753	0.433772	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1222505	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1225	31.2967	0.312609	0.400886	0.779794	0.435512	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1006062	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-248	37.79811	0.285938	0.36728	0.778528	0.436258	0.77253	chr19	24816037	24816300	+	0	NA	Intergeni	ALR/Alpha	-652721	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4955	21.68213	0.369982	0.475251	0.7785	0.436274	0.77253	chr5	49555878	49558771	+	0	NA	Intergeni	ALR/Alpha	883964	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-284	28.02744	0.331502	0.426358	0.777519	0.436852	0.77253	chr20	28473910	28474450	+	0	NA	Intergeni	ALR/Alpha	128485	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-253	33.98501	0.30007	0.386078	0.777226	0.437025	0.77253	chr19	25317917	25319074	+	0	NA	Intergeni	ALR/Alpha	-1155048	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-166	17.96167	0.404358	0.520353	0.777084	0.437109	0.77253	chr14	16686005	16686238	+	0	NA	Intergeni	ALR/Alpha	-1914996	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr18-155	17.96167	0.404358	0.520353	0.777084	0.437109	0.77253	chr18	15505843	15506935	+	0	NA	Intergeni	ALR/Alpha	-180470	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr6-5856	31.32645	0.310659	0.399972	0.776702	0.437335	0.77253	chr6	58560741	58561589	+	0	NA	Intergeni	ALR/Alpha	-599719	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-268	44.27147	0.268413	0.345599	0.776661	0.437359	0.77253	chr19	26807921	26808214	+	0	NA	Intergeni	ALR/Alpha	-985364	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr12-357	18.47916	0.402703	0.51855	0.776595	0.437398	0.77253	chr12	35786055	35786498	+	0	NA	Intergeni	ALR/Alpha	1763780	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-235	19.05558	0.394628	0.508337	0.776312	0.437565	0.77253	chr17	23531109	23531338	+	0	NA	Intergeni	ALR/Alpha	1008112	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1241	54.60042	0.242063	0.311926	0.776029	0.437732	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2625353	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4791	34.01532	0.298292	0.385183	0.774416	0.438685	0.77253	chr5	47912908	47914813	+	0	NA	Intergeni	ALR/Alpha	-2217480	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5940	17.32123	0.420434	0.543487	0.773587	0.439175	0.77253	chr6	59404713	59405272	+	0	NA	Intergeni	ALR/Alpha	-1443546	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr17-251	70.94871	0.216292	0.279804	0.77301	0.439516	0.77253	chr17	25101213	25101447	+	0	NA	Intergeni	ALR/Alpha	1987911	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr2-9392	28.67015	0.323403	0.418418	0.77292	0.43957	0.77253	chr2	93924076	93924281	+	0	NA	Intergeni	ALR/Alpha	284241	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr1-1237	28.12291	0.325239	0.421058	0.772434	0.439857	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2204049	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-265	17.99198	0.40103	0.519273	0.77229	0.439943	0.77253	chr20	26538053	26540701	+	0	NA	Intergeni	ALR/Alpha	-330144	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-122	17.99198	0.40103	0.519273	0.77229	0.439943	0.77253	chr21	12274811	12276093	+	0	NA	Intergeni	ALR/Alpha	-762714	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1231	37.28119	0.285211	0.369508	0.771868	0.440192	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1614891	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-269	17.99142	0.400983	0.51975	0.771492	0.440416	0.77253	chr20	26994114	26998377	+	0	NA	Intergeni	ALR/Alpha	-787012	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-912	17.99142	0.400983	0.51975	0.771492	0.440416	0.77253	chr21	9125965	9126168	+	0	NA	intron (N	LTR6A|LTR	3695	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr17-229	17.4133	0.409566	0.531001	0.77131	0.440523	0.77253	chr17	22906448	22907322	+	0	NA	Intergeni	ALR/Alpha	383774	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr13-174	18.53866	0.396111	0.513642	0.771182	0.440599	0.77253	chr13	17410264	17411559	+	0	NA	Intergeni	ALR/Alpha	-784386	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-125	27.54536	0.329338	0.427107	0.77109	0.440653	0.77253	chr21	12520045	12521485	+	0	NA	Intergeni	ALR/Alpha	-517401	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1243	47.45687	0.257749	0.334639	0.77023	0.441164	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2878201	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-275	17.38185	0.413088	0.536408	0.770101	0.44124	0.77253	chr20	27517493	27520725	+	0	NA	Intergeni	ALR/Alpha	1083556	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4897	18.53979	0.396184	0.514607	0.769878	0.441372	0.77253	chr5	48975535	48975803	+	0	NA	Intergeni	ALR/Alpha	1465619	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-415	18.53809	0.396051	0.514572	0.76967	0.441495	0.77253	chr10	41589368	41589646	+	0	NA	Intergeni	ALR/Alpha	778538	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-270	17.44475	0.406166	0.527766	0.769596	0.44154	0.77253	chr20	27099434	27102294	+	0	NA	Intergeni	ALR/Alpha	-891631	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1230	28.15323	0.323109	0.420621	0.768172	0.442385	0.77253	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1531335	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1240	17.77356	0.425795	0.554335	0.768118	0.442417	0.77253	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2534132	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-181	21.10628	0.376667	0.490888	0.767319	0.442892	0.77253	chr18	18191448	18191970	+	0	NA	Intergeni	ALR/Alpha	-2865790	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4946	26.4893	-0.34074	0.444114	-0.76723	0.442948	0.77253	chr5	49469821	49470050	+	0	NA	Intergeni	ALR/Alpha	971353	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-253	430.784	0.116416	0.151779	0.767012	0.443074	0.77253	chr17	25389805	25390063	+	0	NA	Intergeni	ALR/Alpha	1699307	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-259	77.39402	0.212795	0.277751	0.766137	0.443595	0.77253	chr17	25908829	25909068	+	0	NA	Intergeni	ALR/Alpha	1180293	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr8-4405	21.19722	0.367958	0.480605	0.765614	0.443906	0.77253	chr8	44056115	44057021	+	0	NA	Intergeni	ALR/Alpha	764126	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr18-155	21.19609	0.36788	0.480582	0.765487	0.443981	0.77253	chr18	15525609	15525984	+	0	NA	Intergeni	ALR/Alpha	-199877	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr10-408	17.47619	0.402831	0.526617	0.764941	0.444306	0.77253	chr10	40805685	40807069	+	0	NA	Intergeni	ALR/Alpha	1561668	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-510	85.74622	0.197751	0.25857	0.764785	0.4444	0.77253	chr11	51097822	51098096	+	0	NA	Intergeni	ALR/Alpha	688812	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4880	18.02343	0.397787	0.520176	0.764716	0.44444	0.77253	chr5	48805625	48806140	+	0	NA	Intergeni	ALR/Alpha	1635406	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-5963	17.47676	0.402881	0.527649	0.76354	0.445141	0.77253	chrX	59632027	59633197	+	0	NA	Intergeni	ALR/Alpha	-1721979	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chrX-5992	17.47676	0.402881	0.527649	0.76354	0.445141	0.77253	chrX	59928180	59929689	+	0	NA	Intergeni	ALR/Alpha	-2018301	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr13-176	27.0273	0.329071	0.431161	0.763221	0.445332	0.77253	chr13	17655482	17656983	+	0	NA	Intergeni	ALR/Alpha	-539065	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr21-104	18.024	0.397816	0.521661	0.762594	0.445705	0.77253	chr21	10457628	10458386	+	0	NA	intron (N	intron (N	44475	NM_182481	85318	Hs.545789	NM_182481		BAGE3	CT2.3	BAGE fami	protein-coding
chr12-355	39.48572	0.274176	0.359929	0.761749	0.44621	0.77253	chr12	35596457	35597365	+	0	NA	Intergeni	ALR/Alpha	1574415	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr11-541	32.95286	0.298942	0.392621	0.761399	0.446419	0.77253	chr11	54132858	54133109	+	0	NA	Intergeni	ALR/Alpha	471015	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr13-166	16.92895	0.408188	0.53613	0.761361	0.446441	0.77253	chr13	16628406	16629388	+	0	NA	Intergeni	ALR/Alpha	-1566400	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr6-5859	23.85465	0.346185	0.455105	0.76067	0.446854	0.77253	chr6	58593332	58594450	+	0	NA	Intergeni	ALR/Alpha	-632445	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-150	16.92839	0.408149	0.536654	0.760545	0.446929	0.77253	chr22	15016361	15016575	+	0	NA	Intergeni	ALR/Alpha	-511691	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr10-401	32.95343	0.29898	0.393265	0.760251	0.447105	0.77253	chr10	40100244	40100617	+	0	NA	Intergeni	ALR/Alpha	1403834	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-265	23.82207	0.348625	0.45875	0.759945	0.447287	0.77253	chr20	26503015	26504383	+	0	NA	Intergeni	ALR/Alpha	-294466	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr21-120	22.29226	0.36125	0.475842	0.75918	0.447745	0.77253	chr21	12039680	12039908	+	0	NA	Intergeni	ALR/Alpha	-998372	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr10-404	33.56073	0.294156	0.387514	0.759084	0.447802	0.77253	chr10	40465789	40467720	+	0	NA	Intergeni	ALR/Alpha	1770158	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-514	17.50707	0.399463	0.526489	0.758729	0.448015	0.77253	chr11	51461613	51462774	+	0	NA	Intergeni	ALR/Alpha	1053046	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr8-8565	20.68029	0.368601	0.486	0.75844	0.448188	0.77253	chr8	85650402	85652476	+	0	NA	Intergeni	L1PA5|LIN	4237	NR_003594	1E+08	Hs.535056	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr10-411	21.22867	0.365207	0.481906	0.757837	0.448548	0.77253	chr10	41196882	41197538	+	0	NA	Intergeni	ALR/Alpha	1170835	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-400	30.32631	0.307858	0.406509	0.757322	0.448857	0.77253	chr10	40097755	40099444	+	0	NA	Intergeni	ALR/Alpha	1402003	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-411	23.88553	0.343709	0.454073	0.756946	0.449082	0.77253	chr10	41186183	41186661	+	0	NA	Intergeni	ALR/Alpha	1181623	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-186	20.04042	0.381471	0.504078	0.75677	0.449188	0.77253	chr15	18669020	18669455	+	0	NA	Intergeni	ALR/Alpha	-1613507	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr4-5119	16.9604	0.404743	0.534876	0.756704	0.449227	0.77253	chr4	51195120	51196480	+	0	NA	Intergeni	ALR/Alpha	-647200	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr6-5919	16.95927	0.404646	0.534854	0.756555	0.449316	0.77253	chr6	59190034	59191139	+	0	NA	Intergeni	ALR/Alpha	-1229140	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr8-4433	16.95927	0.404646	0.534854	0.756555	0.449316	0.77253	chr8	44337022	44338388	+	0	NA	Intergeni	ALR/Alpha	1045263	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr12-363	18.05431	0.394471	0.521565	0.756323	0.449456	0.77253	chr12	36318549	36319117	+	0	NA	Intergeni	ALR/Alpha	-1997941	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr9-6383	18.05431	0.394471	0.521565	0.756323	0.449456	0.77253	chr9	63830352	63830668	+	0	NA	Intergeni	Intergeni	-10856	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr1-1245	16.59606	-0.41519	0.549319	-0.75583	0.449752	0.77253	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2987258	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-166	20.073	0.378488	0.501132	0.755267	0.450089	0.77253	chr14	16611103	16611324	+	0	NA	Intergeni	ALR/Alpha	-1989904	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-173	25.52724	0.336355	0.4456	0.754835	0.450348	0.77253	chr14	17324450	17324810	+	0	NA	Intergeni	ALR/Alpha	-1276487	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-167	21.22583	0.364993	0.483811	0.754411	0.450602	0.77253	chr13	16779623	16779842	+	0	NA	Intergeni	ALR/Alpha	-1415565	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-413	23.88666	0.343791	0.456077	0.753802	0.450968	0.77253	chr10	41380185	41380553	+	0	NA	Intergeni	ALR/Alpha	987676	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr22-137	39.48798	0.274256	0.363928	0.7536	0.451089	0.77253	chr22	13727052	13727382	+	0	NA	Intergeni	ALR/Alpha	-1800942	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr21-116	20.13306	0.372264	0.494048	0.753498	0.451151	0.77253	chr21	11644160	11644404	+	0	NA	Intergeni	ALR/Alpha	1122768	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1236	91.83892	0.189091	0.251491	0.75188	0.452123	0.772992	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2173168	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-528	18.99861	-0.38337	0.510021	-0.75167	0.452248	0.772992	chr11	52815040	52815527	+	0	NA	Intergeni	ALR/Alpha	1788715	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr6-5863	16.99128	0.401271	0.534167	0.751209	0.452527	0.772992	chr6	58632403	58633802	+	0	NA	Intergeni	ALR/Alpha	-671656	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr11-538	17.53795	0.396078	0.527384	0.751023	0.452639	0.772992	chr11	53894928	53895350	+	0	NA	Intergeni	ALR/Alpha	708859	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-278	20.1645	0.369359	0.492062	0.750634	0.452873	0.772992	chr20	27806844	27808146	+	0	NA	Intergeni	ALR/Alpha	795170	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1239	27.06215	0.327189	0.437623	0.747651	0.454671	0.773878	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2465115	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6246	19.5555	0.379442	0.507922	0.747048	0.455034	0.773878	chrX	62467067	62468135	+	0	NA	Intergeni	ALR/Alpha	883731	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1227	23.94729	0.338785	0.453913	0.746367	0.455446	0.773878	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1279541	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-143	23.94729	0.338785	0.453913	0.746367	0.455446	0.773878	chr22	14314379	14315318	+	0	NA	Intergeni	ALR/Alpha	-1213311	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr14-167	26.60528	0.322263	0.431791	0.746339	0.455462	0.773878	chr14	16797128	16797331	+	0	NA	Intergeni	ALR/Alpha	-1803888	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1240	16.99241	0.40136	0.538491	0.745343	0.456065	0.773878	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2547093	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-174	20.74149	0.362862	0.486987	0.745117	0.456201	0.773878	chr14	17418485	17418888	+	0	NA	Intergeni	ALR/Alpha	-1182431	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr21-122	22.72986	0.354749	0.476261	0.744862	0.456355	0.773878	chr21	12273760	12273960	+	0	NA	Intergeni	ALR/Alpha	-764306	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-144	23.40005	0.341282	0.458243	0.744761	0.456416	0.773878	chr22	14477982	14478219	+	0	NA	Intergeni	ALR/Alpha	-1050059	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr13-174	16.47436	0.403087	0.541675	0.744149	0.456786	0.773878	chr13	17439583	17439875	+	0	NA	Intergeni	ALR/Alpha	-755568	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr5-4934	16.47436	0.403087	0.541675	0.744149	0.456786	0.773878	chr5	49343858	49344724	+	0	NA	Intergeni	ALR/Alpha	1096997	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-415	19.64871	0.370161	0.498836	0.74205	0.458057	0.773878	chr10	41574567	41577274	+	0	NA	Intergeni	ALR/Alpha	792125	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1244	39.63763	-0.27353	0.368709	-0.74185	0.458179	0.773878	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2893845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2360	74.3361	0.203408	0.274221	0.741767	0.458229	0.773878	chr1	2.36E+08	2.36E+08	+	0	NA	Intergeni	LTR10A|LT	-32165	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding

chr15-196	17.02046	0.397635	0.536098	0.74172	0.458257	0.773878	chr15	19640129	19641599	+	0	NA	Intergeni	ALR/Alpha	-641880	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr7-5823	19.64758	0.370088	0.499683	0.740646	0.458908	0.773878	chr7	58237971	58238218	+	0	NA	Intergeni	ALR/Alpha	787917	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1249	48.11233	0.247629	0.334767	0.739705	0.459479	0.773878	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3389561	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-260	16.47322	0.402997	0.545012	0.739429	0.459647	0.773878	chr19	26053111	26054021	+	0	NA	Intergeni	ALR/Alpha	-1739865	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-407	29.32447	0.304778	0.412388	0.739056	0.459873	0.773878	chr10	40728317	40729566	+	0	NA	Intergeni	ALR/Alpha	1639104	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1225	19.67959	0.367164	0.497601	0.737868	0.460595	0.773878	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1000342	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-119	19.67959	0.367164	0.497601	0.737868	0.460595	0.773878	chr21	11943528	11945172	+	0	NA	Intergeni	ALR/Alpha	-1093816	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr5-4758	43.37615	0.254434	0.344876	0.737755	0.460663	0.773878	chr5	47583167	47584355	+	0	NA	Intergeni	ALR/Alpha	-1887381	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-5928	22.88426	0.341354	0.463341	0.736723	0.461291	0.773878	chr6	59283368	59285706	+	0	NA	Intergeni	ALR/Alpha	-1323091	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-1233	22.88369	0.341318	0.46333	0.736662	0.461328	0.773878	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1812138	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-266	33.62588	0.290677	0.394665	0.736515	0.461417	0.773878	chr20	26610253	26610471	+	0	NA	Intergeni	ALR/Alpha	-401129	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr14-171	34.70223	0.281499	0.382551	0.735847	0.461824	0.773878	chr14	17151416	17151772	+	0	NA	Intergeni	ALR/Alpha	-1449523	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr20-265	32.01165	0.292064	0.396977	0.73572	0.461901	0.773878	chr20	26529149	26529574	+	0	NA	Intergeni	ALR/Alpha	-320128	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4884	22.88313	0.341285	0.46402	0.735498	0.462036	0.773878	chr5	48847443	48847675	+	0	NA	Intergeni	ALR/Alpha	1593729	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4773	42.87566	0.258848	0.351949	0.735472	0.462052	0.773878	chr5	47738527	47738743	+	0	NA	Intergeni	ALR/Alpha	-2042255	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-5881	225.5063	0.134167	0.182449	0.735366	0.462117	0.773878	chr7	58818464	58818831	+	0	NA	Intergeni	ALR/Alpha	1368470	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-258	22.85508	0.344108	0.468783	0.734045	0.462921	0.774307	chr19	25879761	25880228	+	0	NA	Intergeni	ALR/Alpha	-1716547	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-412	20.22456	0.363382	0.495134	0.733907	0.463005	0.774307	chr10	41231540	41232264	+	0	NA	Intergeni	ALR/Alpha	1136143	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-250	32.04366	0.29027	0.395726	0.733513	0.463246	0.774307	chr19	25087989	25090298	+	0	NA	Intergeni	ALR/Alpha	-925696	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-265	18.34372	-0.38034	0.519521	-0.7321	0.464108	0.774691	chr17	26522137	26522377	+	0	NA	Intergeni	ALR/Alpha	566984	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chrX-6069	22.91514	0.338791	0.462872	0.731932	0.46421	0.774691	chrX	60691088	60692269	+	0	NA	Intergeni	ALR/Alpha	2659654	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr10-401	31.94054	0.305369	0.417371	0.731649	0.464383	0.774691	chr10	40101700	40101946	+	0	NA	Intergeni	ALR/Alpha	1405227	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-252	19.71104	0.364224	0.498099	0.731228	0.46464	0.774691	chr19	25274916	25276192	+	0	NA	Intergeni	ALR/Alpha	-1112107	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-266	22.36733	0.341359	0.468984	0.727869	0.466694	0.777628	chr20	26682555	26683121	+	0	NA	Intergeni	ALR/Alpha	-473605	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1246	42.31312	0.253895	0.349669	0.726102	0.467777	0.778438	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3104247	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4904	22.94602	0.336228	0.463074	0.72608	0.46779	0.778438	chr5	49044907	49045106	+	0	NA	Intergeni	ALR/Alpha	1396282	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-6381	18.58511	0.375107	0.517205	0.725259	0.468293	0.778438	chr9	63816670	63819888	+	0	NA	non-codin	non-codin	-1295	NR_039689	1.01E+08		NR_039689	ENSG00000	MIR4477B	-	microRNA	ncRNA
chr14-172	19.19411	0.364818	0.5033	0.724852	0.468543	0.778438	chr14	17267006	17268332	+	0	NA	Intergeni	ALR/Alpha	-1333448	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4833	19.19468	0.364861	0.503761	0.724275	0.468897	0.778438	chr5	48333308	48335096	+	0	NA	Intergeni	ALR/Alpha	2107086	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1216	22.39878	0.338769	0.467775	0.724213	0.468935	0.778438	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	93514	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-268	51.62806	0.231925	0.320458	0.723729	0.469232	0.778446	chr19	26842726	26843730	+	0	NA	Intergeni	ALR/Alpha	-950203	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4956	22.39991	0.338848	0.469248	0.722109	0.470227	0.77961	chr5	49568766	49569772	+	0	NA	Intergeni	ALR/Alpha	872019	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4750	18.58681	0.375337	0.520121	0.721633	0.47052	0.77961	chr5	47509245	47509859	+	0	NA	Intergeni	ALR/Alpha	-1813172	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-269	16.567	0.39231	0.544373	0.720664	0.471116	0.780005	chr20	26935661	26935885	+	0	NA	Intergeni	ALR/Alpha	-726540	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-264	21.85211	0.341479	0.474532	0.719612	0.471764	0.780005	chr20	26492232	26494517	+	0	NA	Intergeni	ALR/Alpha	-284141	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chrX-6040	36.35895	0.270657	0.37647	0.718934	0.472182	0.780005	chrX	60403677	60404348	+	0	NA	Intergeni	ALR/Alpha	-2493379	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr19-252	19.22556	0.361806	0.503774	0.71819	0.47264	0.780005	chr19	25299739	25300645	+	0	NA	Intergeni	ALR/Alpha	-1136745	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4364	18.58738	0.375475	0.523052	0.717854	0.472847	0.780005	chr9	43642011	43642367	+	0	NA	Intergeni	ALR/Alpha	516023	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr3-9303	23.12135	-0.33311	0.464091	-0.71778	0.472895	0.780005	chr3	93039078	93039324	+	0	NA	Intergeni	ALR/Alpha	934880	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr14-174	19.77166	0.358147	0.498987	0.717749	0.472912	0.780005	chr14	17403227	17403455	+	0	NA	Intergeni	ALR/Alpha	-1197776	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr7-5914	25.08652	0.318861	0.444444	0.717438	0.473104	0.780005	chr7	59148624	59149855	+	0	NA	Intergeni	ALR/Alpha	1699062	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-539	18.67832	0.365528	0.510131	0.716536	0.47366	0.78044	chr11	53976930	53977942	+	0	NA	Intergeni	ALR/Alpha	626562	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-517	21.88299	0.338785	0.473255	0.71586	0.474078	0.780644	chr11	51703196	51703427	+	0	NA	Intergeni	ALR/Alpha	1294164	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr17-251	68.58307	0.205539	0.287374	0.715232	0.474466	0.7808	chr17	25115349	25115596	+	0	NA	Intergeni	ALR/Alpha	1973769	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr8-4503	33.7307	0.276258	0.386672	0.714451	0.474949	0.781111	chr8	45039184	45039618	+	0	NA	Intergeni	ALR/Alpha	1578242	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr1-1233	26.21358	0.312923	0.438743	0.713226	0.475706	0.781258	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1878537	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-264	24.54042	0.320922	0.450089	0.713017	0.475835	0.781258	chr20	26440940	26442327	+	0	NA	Intergeni	ALR/Alpha	-232400	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-133	21.84984	0.341392	0.479043	0.712654	0.47606	0.781258	chr22	13359040	13359253	+	0	NA	Intergeni	ALR/Alpha	1461740	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr11-514	28.35522	0.299493	0.420553	0.712141	0.476377	0.781258	chr11	51409752	51409974	+	0	NA	Intergeni	ALR/Alpha	1000716	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1234	40.20576	0.258696	0.363768	0.711157	0.476987	0.781258	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1979753	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-277	18.13052	0.369454	0.519747	0.710834	0.477187	0.781258	chr20	27793233	27794913	+	0	NA	Intergeni	ALR/Alpha	808592	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1227	36.45159	0.265728	0.373837	0.710813	0.4772	0.781258	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1240294	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-415	37.02801	0.26344	0.370934	0.710209	0.477575	0.781258	chr10	41567607	41567859	+	0	NA	Intergeni	ALR/Alpha	800312	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-406	21.33632	0.341582	0.481084	0.710025	0.477689	0.781258	chr10	40678284	40679625	+	0	NA	Intergeni	ALR/Alpha	1689091	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-260	24.57073	0.318475	0.44885	0.709536	0.477992	0.781258	chr19	26084687	26084933	+	0	NA	Intergeni	ALR/Alpha	-1708621	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4903	18.16196	0.366232	0.517286	0.707987	0.478953	0.781258	chr5	49032207	49032931	+	0	NA	Intergeni	ALR/Alpha	1408719	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-266	31.04013	0.286719	0.40521	0.707581	0.479206	0.781258	chr19	26612357	26612725	+	0	NA	Intergeni	ALR/Alpha	-1180890	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-408	21.36663	0.338763	0.478955	0.707296	0.479383	0.781258	chr10	40846371	40849468	+	0	NA	Intergeni	ALR/Alpha	1520126	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-4925	18.1614	0.366192	0.517763	0.707258	0.479406	0.781258	chr4	49251123	49252347	+	0	NA	Intergeni	LTR1B|LTR	265093	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr7-5979	21.36606	0.338728	0.479331	0.706668	0.479773	0.781258	chr7	59795890	59797285	+	0	NA	Intergeni	ALR/Alpha	2346410	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-414	47.86284	0.241056	0.341419	0.706043	0.480161	0.781258	chr10	41429019	41429304	+	0	NA	Intergeni	ALR/Alpha	938884	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-270	24.60274	0.316152	0.447938	0.705795	0.480316	0.781258	chr19	27076458	27078761	+	0	NA	Intergeni	ALR/Alpha	-715822	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr3-9119	27.83886	0.298782	0.423469	0.705559	0.480462	0.781258	chr3	91192055	91192347	+	0	NA	Intergeni	ALR/Alpha	2084580	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr18-204	33.21604	0.275402	0.390468	0.705312	0.480616	0.781258	chr18	20487258	20487529	+	0	NA	Intergeni	ALR/Alpha	624420	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr10-405	31.10415	0.283034	0.401928	0.704191	0.481314	0.781822	chr10	40512456	40513326	+	0	NA	Intergeni	ALR/Alpha	1816295	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr22-114	18.19284	0.363011	0.516279	0.703129	0.481975	0.781822	chr22	11456473	11458935	+	0	NA	Intergeni	CER|Satel	-439702	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1248	18.74065	0.359294	0.511041	0.703063	0.482017	0.781822	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3337996	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-4949	18.19341	0.363057	0.516777	0.702541	0.482342	0.781822	chr4	49491838	49492657	+	0	NA	Intergeni	MLT1G1|L1	505605	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr11-516	18.19228	0.362966	0.516754	0.702396	0.482432	0.781822	chr11	51619036	51619259	+	0	NA	Intergeni	ALR/Alpha	1210000	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-173	21.39864	0.336106	0.47956	0.700863	0.483389	0.78288	chr14	17353603	17355264	+	0	NA	Intergeni	ALR/Alpha	-1246684	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1236	27.86974	0.296668	0.423565	0.700406	0.483674	0.78288	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2116356	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4981	26.10486	-0.30825	0.440532	-0.69972	0.4841	0.783094	chr5	49811174	49811405	+	0	NA	Intergeni	ALR/Alpha	629999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-116	20.85084	0.338788	0.485315	0.698078	0.485128	0.783098	chr21	11692017	11692845	+	0	NA	Intergeni	ALR/Alpha	1170917	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr19-253	20.85027	0.338748	0.485304	0.698012	0.48517	0.783098	chr19	25340921	25342560	+	0	NA	Intergeni	ALR/Alpha	-1178293	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-253	24.08582	0.315629	0.452446	0.697605	0.485424	0.783098	chr19	25330858	25331337	+	0	NA	Intergeni	ALR/Alpha	-1167650	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4917	17.64674	0.367097	0.526359	0.697426	0.485536	0.783098	chr5	49179389	49180224	+	0	NA	Intergeni	ALR/Alpha	1261482	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-249	17.64504	0.366955	0.526325	0.697203	0.485676	0.783098	chr17	24921279	24921527	+	0	NA	Intergeni	ALR/Alpha	2167838	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr2-9305	20.03133	-0.34642	0.49709	-0.6969	0.485868	0.783098	chr2	93059970	93060265	+	0	NA	Intergeni	ALR/Alpha	1118984	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-280	38.10888	0.256103	0.368696	0.694616	0.487296	0.783327	chr20	28034414	28034869	+	0	NA	Intergeni	ALR/Alpha	568024	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-279	17.67648	0.363659	0.523723	0.694373	0.487448	0.783327	chr20	27915042	27916045	+	0	NA	Intergeni	ALR/Alpha	687122	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4792	23.50827	0.320234	0.461531	0.69385	0.487776	0.783327	chr5	47928035	47928751	+	0	NA	Intergeni	ALR/Alpha	-2232013	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-275	17.67592	0.363619	0.52473	0.692965	0.488332	0.783327	chr20	27583879	27586417	+	0	NA	Intergeni	ALR/Alpha	1017517	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr14-177	26.80557	0.297233	0.430088	0.691097	0.489504	0.783327	chr14	17777773	17779195	+	0	NA	Intergeni	ALR/Alpha	-822633	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr14-164	17.67535	0.363585	0.526769	0.690217	0.490058	0.783327	chr14	16483413	16483820	+	0	NA	Intergeni	ALR/Alpha	-2117501	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4860	30.072	0.281203	0.407626	0.689856	0.490285	0.783327	chr5	48603204	48604586	+	0	NA	Intergeni	ALR/Alpha	1837393	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6100	46.29903	0.233394	0.338345	0.689809	0.490314	0.783327	chrX	61009708	61010076	+	0	NA	Intergeni	ALR/Alpha	2341440	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr10-410	20.9126	0.333173	0.483247	0.689447	0.490542	0.783327	chr10	41088575	41090468	+	0	NA	Intergeni	ALR/Alpha	1278524	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4930	35.4795	0.260289	0.377807	0.688947	0.490857	0.783327	chr5	49304347	49305347	+	0	NA	Intergeni	ALR/Alpha	1136441	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1232	18.25517	0.35661	0.517617	0.688945	0.490858	0.783327	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1706296	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-369	17.70793	0.360405	0.523148	0.688916	0.490876	0.783327	chr16	36907498	36908263	+	0	NA	Intergeni	ALR/Alpha	1161328	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr17-251	23.57003	0.315158	0.457482	0.688897	0.490888	0.783327	chr17	25177980	25178472	+	0	NA	Intergeni	ALR/Alpha	1911015	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-930	17.70736	0.360358	0.523136	0.688842	0.490923	0.783327	chr21	9309372	9316949	+	0	NA	Intergeni	L1PA7|LIN	-183399	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr21-107	17.70736	0.360358	0.523136	0.688842	0.490923	0.783327	chr21	10752512	10760152	+	0	NA	Intergeni	ALR/Alpha	234818	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr4-4919	18.25404	0.356519	0.517594	0.6888	0.490949	0.783327	chr4	49191896	49192096	+	0	NA	Intergeni	AluJb|SIN	205354	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr7-6080	27.38426	0.293743	0.426896	0.688089	0.491397	0.783327	chr7	60803504	60803734	+	0	NA	Intergeni	ALR/Alpha	2500437	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chrX-5891	34.90308	0.262627	0.381842	0.687789	0.491585	0.783327	chrX	58915314	58917628	+	0	NA	Intergeni	ALR/Alpha	-1005838	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr19-267	17.7085	0.360449	0.524175	0.68765	0.491673	0.783327	chr19	26778873	26779725	+	0	NA	Intergeni	ALR/Alpha	-1014132	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-163	18.19001	0.362796	0.528752	0.686136	0.492627	0.783327	chr13	16393174	16393510	+	0	NA	Intergeni	ALR/Alpha	-1801955	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr10-410	17.16069	0.364395	0.531565	0.685514	0.493019	0.783327	chr10	41029502	41030045	+	0	NA	Intergeni	ALR/Alpha	1338272	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-280	17.16069	0.364395	0.531565	0.685514	0.493019	0.783327	chr20	28020449	28021906	+	0	NA	Intergeni	ALR/Alpha	581488	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-410	23.60147	0.31271	0.456794	0.684575	0.493612	0.783327	chr10	41035101	41036236	+	0	NA	Intergeni	ALR/Alpha	1332377	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-399	54.54981	0.215193	0.314363	0.684538	0.493635	0.783327	chr10	39983323	39983801	+	0	NA	Intergeni	ALR/Alpha	1286966	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr7-6037	23.60034	0.312638	0.456771	0.684453	0.493689	0.783327	chr7	60376012	60377291	+	0	NA	Intergeni	ALR/Alpha	2926474	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9242	24.69312	0.308814	0.451249	0.684354	0.493752	0.783327	chr2	92420089	92420403	+	0	NA	Intergeni	ALR/Alpha	479113	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-399	35.00523	-0.26282	0.384842	-0.68292	0.494657	0.783327	chr10	39966104	39966323	+	0	NA	Intergeni	ALR/Alpha	1269617	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chrX-6215	17.12811	0.367796	0.538626	0.68284	0.494708	0.783327	chrX	62157477	62158332	+	0	NA	Intergeni	ALR/Alpha	1193428	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr5-4662	32.61372	-0.27682	0.405428	-0.6828	0.494736	0.783327	chr5	46622615	46623120	+	0	NA	Intergeni	ALR/Alpha	-926487	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-403	31.63666	0.274351	0.401903	0.682629	0.494841	0.783327	chr10	40391847	40393502	+	0	NA	Intergeni	ALR/Alpha	1696078	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4745	23.57229	0.315378	0.463027	0.681122	0.495794	0.783767	chr5	47454061	47454275	+	0	NA	Intergeni	ALR/Alpha	-1757788	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4938	17.73938	0.357136	0.524578	0.680806	0.495994	0.783767	chr5	49381192	49381512	+	0	NA	Intergeni	ALR/Alpha	1059936	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr14-173	20.39681	0.333047	0.48938	0.68055	0.496156	0.783767	chr14	17387236	17387695	+	0	NA	Intergeni	ALR/Alpha	-1213652	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chrX-6114	31.68567	0.280014	0.411587	0.680327	0.496297	0.783767	chrX	61147988	61148283	+	0	NA	Intergeni	ALR/Alpha	2203197	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1229	23.05367	0.314638	0.463056	0.679483	0.496832	0.784057	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1410572	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5824	20.39737	0.333094	0.490644	0.678892	0.497206	0.784057	chr7	58240670	58241659	+	0	NA	Intergeni	ALR/Alpha	790987	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr4-9259	29.00897	0.281249	0.414688	0.678219	0.497633	0.784057	chr4	9259395	9260064	+	0	NA	TTS (NM_0	TTS (NM_0	1605	NM_001256	1E+08	Hs.722783	NM_001256	ENSG00000	USP17L11	-	ubiquitin	protein-coding
chr1-1227	111.075	0.157937	0.23305	0.677698	0.497963	0.784057	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1219104	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-258	125.9949	0.150162	0.221618	0.677571	0.498044	0.784057	chr19	25872310	25872538	+	0	NA	Intergeni	ALR/Alpha	-1708977	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1223	43.15329	0.234187	0.345793	0.677248	0.498249	0.784057	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	857583	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6008	20.94121	0.330178	0.488185	0.676337	0.498826	0.784502	chr7	60081533	60081755	+	0	NA	Intergeni	ALR/Alpha	2631467	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4952	32.00615	-0.26937	0.399086	-0.67497	0.499696	0.785405	chr5	49525710	49525934	+	0	NA	Intergeni	ALR/Alpha	915466	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr18-156	17.22245	0.357604	0.530263	0.67439	0.500063	0.785519	chr18	15640379	15640626	+	0	NA	Intergeni	ALR/Alpha	-314583	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chrX-6233	17.76912	0.353722	0.524928	0.673848	0.500408	0.785596	chrX	62335132	62335761	+	0	NA	Intergeni	ALR/Alpha	1015886	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding

chr22-137	18.14343	-0.35131	0.523139	-0.67154	0.501877	0.786204	chr22	13741327	13741546	+	0	NA	Intergeni	ALR/Alpha	-1786723	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr20-288	16.67578	0.361666	0.538571	0.671528	0.501884	0.786204	chr20	28876175	28877743	+	0	NA	Intergeni	ALR/Alpha	-203431	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chrX-6207	19.87931	0.332794	0.496187	0.670703	0.50241	0.786204	chrX	62074740	62075452	+	0	NA	Intergeni	ALR/Alpha	1276236	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1247	148.0935	0.140201	0.209091	0.670529	0.502521	0.786204	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3206061	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-534	69.38159	0.191702	0.285956	0.670389	0.50261	0.786204	chr11	53456744	53456998	+	0	NA	Intergeni	ALR/Alpha	1147127	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4982	21.74868	-0.32032	0.478145	-0.66992	0.50291	0.786204	chr5	49828223	49828495	+	0	NA	Intergeni	ALR/Alpha	612929	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-264	41.35831	0.242277	0.361731	0.669771	0.503004	0.786204	chr20	26484563	26484792	+	0	NA	Intergeni	ALR/Alpha	-275444	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4809	19.91076	0.329899	0.494581	0.667028	0.504754	0.786204	chr5	48093610	48093895	+	0	NA	Intergeni	ALR/Alpha	2347536	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	44.80832	0.227103	0.34065	0.666675	0.50498	0.786204	chr20	26523033	26523517	+	0	NA	Intergeni	ALR/Alpha	-314042	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr7-6061	19.33321	0.335743	0.504143	0.665966	0.505433	0.786204	chr7	60618684	60619039	+	0	NA	Intergeni	ALR/Alpha	2685195	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr20-288	16.70609	0.358125	0.537843	0.665855	0.505504	0.786204	chr20	28820977	28821467	+	0	NA	Intergeni	ALR/Alpha	-218557	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr22-148	16.70609	0.358125	0.537843	0.665855	0.505504	0.786204	chr22	14858720	14859124	+	0	NA	Intergeni	ALR/Alpha	-669237	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr2-9219	19.91019	0.329858	0.495433	0.665797	0.505541	0.786204	chr2	92197201	92198000	+	0	NA	Intergeni	ALR/Alpha	256467	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4854	19.3012	0.338825	0.508986	0.665687	0.505611	0.786204	chr5	48540092	48540405	+	0	NA	Intergeni	ALR/Alpha	1901040	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6095	25.22562	0.29713	0.446508	0.665453	0.505761	0.786204	chrX	60950116	60951190	+	0	NA	Intergeni	ALR/Alpha	2400679	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1246	52.48267	0.210524	0.316846	0.664438	0.50641	0.786204	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3167815	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-521	19.33434	0.33587	0.505984	0.663797	0.50682	0.786204	chr11	52183468	52183708	+	0	NA	Intergeni	ALR/Alpha	1774441	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4920	48.68374	0.219205	0.330396	0.663463	0.507034	0.786204	chr5	49208426	49208716	+	0	NA	Intergeni	ALR/Alpha	1232717	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5887	16.15942	0.362332	0.547184	0.662176	0.507858	0.786204	chr7	58879794	58880003	+	0	NA	Intergeni	ALR/Alpha	1429721	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-402	27.94708	0.281431	0.425384	0.661593	0.508232	0.786204	chr10	40213435	40213647	+	0	NA	Intergeni	ALR/Alpha	1516945	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chrX-6075	16.15999	0.362391	0.547776	0.661567	0.508249	0.786204	chrX	60758068	60760021	+	0	NA	Intergeni	ALR/Alpha	2592288	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-255	16.15885	0.362288	0.547754	0.661407	0.508351	0.786204	chr19	25526965	25528210	+	0	NA	Intergeni	ALR/Alpha	-1364140	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr14-167	21.52386	0.324915	0.491554	0.660995	0.508615	0.786204	chr14	16795163	16795414	+	0	NA	Intergeni	ALR/Alpha	-1805829	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr10-401	30.66626	0.268387	0.406399	0.660403	0.508995	0.786204	chr10	40157645	40158999	+	0	NA	Intergeni	ALR/Alpha	1461726	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4771	34.53999	0.252911	0.3833	0.659825	0.509366	0.786204	chr5	47718398	47719665	+	0	NA	Intergeni	ALR/Alpha	-2022651	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-268	16.15829	0.362259	0.549497	0.659255	0.509732	0.786204	chr20	26884002	26886503	+	0	NA	Intergeni	ALR/Alpha	-676019	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr12-351	22.60134	0.309058	0.469183	0.658715	0.510079	0.786204	chr12	35128575	35129331	+	0	NA	Intergeni	ALR/Alpha	1106457	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr1-1232	22.63052	0.306349	0.465404	0.658243	0.510382	0.786204	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1711304	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4785	31.27526	0.263847	0.401114	0.657785	0.510676	0.786204	chr5	47855296	47857108	+	0	NA	Intergeni	ALR/Alpha	-2159822	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-264	16.73811	0.35472	0.539335	0.657699	0.510732	0.786204	chr19	26405198	26405653	+	0	NA	Intergeni	ALR/Alpha	-1388006	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4756	36.71364	0.24461	0.372073	0.657425	0.510908	0.786204	chr5	47565193	47565512	+	0	NA	Intergeni	ALR/Alpha	-1868972	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr8-4582	19.94051	0.326869	0.497228	0.657382	0.510935	0.786204	chr8	45829548	45829774	+	0	NA	Intergeni	ALR/Alpha	787982	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chrX-5923	28.0077	0.277113	0.421556	0.657359	0.51095	0.786204	chrX	59239676	59241388	+	0	NA	Intergeni	ALR/Alpha	-1329899	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr7-5944	18.34611	0.346364	0.527583	0.65651	0.511496	0.786204	chr7	59449346	59449644	+	0	NA	Intergeni	ALR/Alpha	1999318	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-272	16.18973	0.358676	0.546392	0.656445	0.511538	0.786204	chr20	27225182	27227070	+	0	NA	Intergeni	ALR/Alpha	-1016893	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr22-136	22.05183	0.310864	0.47376	0.656164	0.511719	0.786204	chr22	13627936	13628532	+	0	NA	Intergeni	ALR/Alpha	1730828	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr3-9157	116.0784	0.152964	0.233124	0.656151	0.511727	0.786204	chr3	91572734	91573034	+	0	NA	Intergeni	ALR/Alpha	2401197	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr7-6001	104.9163	0.160388	0.244879	0.654967	0.512489	0.78692	chr7	60019356	60019743	+	0	NA	Intergeni	ALR/Alpha	2569372	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr11-536	32.83765	0.258058	0.395075	0.653187	0.513636	0.787723	chr11	53620763	53621085	+	0	NA	Intergeni	ALR/Alpha	983074	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-271	19.97365	0.324104	0.496424	0.652877	0.513836	0.787723	chr19	27188803	27189703	+	0	NA	Intergeni	ALR/Alpha	-604178	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1241	31.30614	0.261967	0.401311	0.652778	0.5139	0.787723	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2607381	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-261	19.42698	0.326762	0.502214	0.650643	0.515277	0.788362	chr19	26137593	26138629	+	0	NA	Intergeni	ALR/Alpha	-1655320	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1236	16.76785	0.351111	0.539638	0.650642	0.515277	0.788362	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2128981	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-168	16.76785	0.351111	0.539638	0.650642	0.515277	0.788362	chr18	16855004	16855402	+	0	NA	Intergeni	ALR/Alpha	-1529284	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr7-5920	16.22175	0.355184	0.546188	0.650295	0.515501	0.788362	chr7	59206521	59208147	+	0	NA	Intergeni	ALR/Alpha	1757157	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1247	22.11472	0.305626	0.470593	0.649449	0.516048	0.788745	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3232284	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-263	18.87861	0.329401	0.507708	0.648801	0.516467	0.788932	chr19	26366849	26367940	+	0	NA	Intergeni	ALR/Alpha	-1426037	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chrX-6107	62.85808	0.191969	0.296569	0.6473	0.517438	0.789233	chrX	61072483	61072919	+	0	NA	Intergeni	ALR/Alpha	2278631	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr13-177	32.89828	0.254375	0.393341	0.646704	0.517824	0.789233	chr13	17788920	17789173	+	0	NA	Intergeni	ALR/Alpha	-406251	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-264	30.2111	0.263263	0.407163	0.646578	0.517905	0.789233	chr20	26488533	26490900	+	0	NA	Intergeni	ALR/Alpha	-280483	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4793	35.57781	0.25526	0.395124	0.646026	0.518263	0.789233	chr5	47939821	47940095	+	0	NA	Intergeni	ALR/Alpha	-2243578	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-523	26.47563	0.283017	0.43852	0.64539	0.518674	0.789233	chr11	52327339	52327935	+	0	NA	Intergeni	ALR/Alpha	1918490	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr17-246	79.94568	0.174973	0.271505	0.644455	0.51928	0.789233	chr17	24624600	24624845	+	0	NA	Intergeni	ALR/Alpha	2101611	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-266	41.121	0.227774	0.353791	0.64381	0.519699	0.789233	chr19	26632240	26632440	+	0	NA	Intergeni	ALR/Alpha	-1161091	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4813	40.54175	0.229282	0.35619	0.643708	0.519765	0.789233	chr5	48137411	48138095	+	0	NA	Intergeni	ALR/Alpha	2303535	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-258	24.83335	0.286789	0.445771	0.643356	0.519993	0.789233	chr19	25802797	25803357	+	0	NA	Intergeni	ALR/Alpha	-1639630	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-528	18.91062	0.326413	0.507788	0.642813	0.520346	0.789233	chr11	52839833	52840936	+	0	NA	Intergeni	ALR/Alpha	1763614	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4841	18.90892	0.32628	0.507754	0.642596	0.520487	0.789233	chr5	48418744	48418999	+	0	NA	Intergeni	ALR/Alpha	2022417	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-255	71.81446	0.178777	0.278797	0.641246	0.521363	0.789233	chr19	25525743	25525944	+	0	NA	Intergeni	ALR/Alpha	-1362396	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-267	89.92259	0.162506	0.253427	0.641233	0.521372	0.789233	chr19	26702878	26703203	+	0	NA	Intergeni	ALR/Alpha	-1090391	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-264	48.21554	0.210914	0.329067	0.640945	0.521558	0.789233	chr17	26414544	26414784	+	0	NA	Intergeni	ALR/Alpha	674577	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-412	29.1662	0.271111	0.42305	0.640849	0.521621	0.789233	chr10	41267334	41267569	+	0	NA	Intergeni	ALR/Alpha	1100594	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-266	18.91119	0.326459	0.509679	0.640519	0.521835	0.789233	chr20	26656050	26656400	+	0	NA	Intergeni	ALR/Alpha	-446992	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-257	48.63416	0.215869	0.337087	0.640394	0.521916	0.789233	chr17	25769635	25769856	+	0	NA	Intergeni	ALR/Alpha	1319496	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-284	18.33307	0.332515	0.519343	0.64026	0.522003	0.789233	chr20	28443183	28443541	+	0	NA	Intergeni	ALR/Alpha	159303	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4932	35.68262	0.242047	0.378388	0.639681	0.52238	0.789354	chr5	49324902	49326221	+	0	NA	Intergeni	ALR/Alpha	1115727	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-143	47.63799	0.21212	0.33233	0.638281	0.523291	0.790282	chr22	14383697	14383912	+	0	NA	Intergeni	ALR/Alpha	-1144355	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4979	16.22522	-0.35423	0.556887	-0.63609	0.524715	0.791968	chr5	49793810	49794063	+	0	NA	Intergeni	ALR/Alpha	647352	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr9-4389	21.62981	0.302181	0.475815	0.635081	0.525376	0.791968	chr9	43897737	43897957	+	0	NA	Intergeni	ALR/Alpha	771681	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-408	21.62868	0.302103	0.475792	0.634948	0.525462	0.791968	chr10	40833171	40834292	+	0	NA	Intergeni	ALR/Alpha	1534314	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-518	18.3937	0.325988	0.513577	0.634741	0.525597	0.791968	chr11	51809661	51810956	+	0	NA	Intergeni	ALR/Alpha	1401161	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-268	27.03731	0.270514	0.428127	0.631855	0.527482	0.794357	chr19	26856326	26856577	+	0	NA	Intergeni	ALR/Alpha	-936980	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1240	26.42945	0.275994	0.437459	0.630904	0.528104	0.794487	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2529827	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-515	21.08257	0.304038	0.481986	0.630803	0.528169	0.794487	chr11	51522959	51524131	+	0	NA	Intergeni	ALR/Alpha	1114398	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr22-133	37.9169	0.231498	0.367994	0.629081	0.529296	0.794487	chr22	13394929	13395134	+	0	NA	Intergeni	ALR/Alpha	1497625	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr2-9223	17.84703	0.328917	0.523141	0.628735	0.529522	0.794487	chr2	92231925	92233925	+	0	NA	Intergeni	ALR/Alpha	291792	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9248	17.84646	0.32887	0.523129	0.628659	0.529572	0.794487	chr2	92489911	92492215	+	0	NA	Intergeni	ALR/Alpha	549930	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1238	18.42401	0.322793	0.513569	0.628528	0.529658	0.794487	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2329509	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-351	18.42401	0.322793	0.513569	0.628528	0.529658	0.794487	chr12	35135033	35135708	+	0	NA	Intergeni	ALR/Alpha	1112874	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr11-533	21.11402	0.301325	0.481821	0.625388	0.531716	0.797125	chr11	53309480	53309695	+	0	NA	Intergeni	ALR/Alpha	1294411	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chrX-6247	17.87791	0.325638	0.521145	0.624851	0.532069	0.797205	chrX	62479069	62481816	+	0	NA	Intergeni	ALR/Alpha	870890	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr20-264	26.48894	0.271375	0.434962	0.623905	0.53269	0.797631	chr20	26465365	26471007	+	0	NA	Intergeni	ALR/Alpha	-258953	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5929	17.87677	0.325555	0.522138	0.623505	0.532953	0.797631	chr6	59294483	59294814	+	0	NA	Intergeni	ALR/Alpha	-1333202	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-172	23.80346	0.284768	0.457913	0.621882	0.534019	0.798205	chr14	17265427	17265789	+	0	NA	Intergeni	ALR/Alpha	-1335509	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr22-149	18.45489	0.319636	0.514004	0.621854	0.534038	0.798205	chr22	14956220	14956593	+	0	NA	Intergeni	ALR/Alpha	-571753	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr9-4402	17.75156	0.339456	0.546143	0.621552	0.534236	0.798205	chr9	44020624	44021270	+	0	NA	Intergeni	ALR/Alpha	894781	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-270	17.90879	0.322396	0.520128	0.619839	0.535364	0.799441	chr20	27024964	27026107	+	0	NA	Intergeni	ALR/Alpha	-816302	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4844	57.09316	0.189913	0.307455	0.617694	0.536777	0.801102	chr5	48449574	48449809	+	0	NA	Intergeni	ALR/Alpha	1991597	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-240	43.88722	0.214157	0.347049	0.617079	0.537182	0.801142	chr17	24062456	24062699	+	0	NA	Intergeni	ALR/Alpha	1539466	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr9-4346	23.25623	0.286134	0.463946	0.61674	0.537406	0.801142	chr9	43465573	43466340	+	0	NA	Intergeni	ALR/Alpha	339790	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-409	58.18877	0.19035	0.309016	0.615987	0.537903	0.801433	chr10	40923972	40925120	+	0	NA	Intergeni	ALR/Alpha	1443499	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-254	45.10408	0.208889	0.339595	0.615112	0.53848	0.801845	chr19	25463404	25465429	+	0	NA	Intergeni	ALR/Alpha	-1300969	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1236	17.36211	0.32528	0.529632	0.614162	0.539108	0.802331	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2175803	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-262	17.36268	0.325354	0.531244	0.612437	0.540248	0.802539	chr19	26261047	26262292	+	0	NA	Intergeni	ALR/Alpha	-1531762	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1247	49.48	0.199299	0.325425	0.612426	0.540256	0.802539	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3214050	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-175	44.52313	0.210004	0.342993	0.612268	0.54036	0.802539	chr14	17502869	17503140	+	0	NA	Intergeni	ALR/Alpha	-1098113	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4866	17.36042	0.32516	0.531198	0.612126	0.540455	0.802539	chr5	48661510	48662816	+	0	NA	Intergeni	ALR/Alpha	1779125	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-414	20.62741	0.297488	0.48657	0.611398	0.540936	0.802806	chr10	41494330	41495713	+	0	NA	Intergeni	ALR/Alpha	873024	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-261	29.3036	0.252759	0.41376	0.610882	0.541277	0.802865	chr19	26180855	26181058	+	0	NA	Intergeni	ALR/Alpha	-1612475	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-4424	17.39243	0.321876	0.527488	0.610206	0.541725	0.803081	chr8	44245408	44245607	+	0	NA	Intergeni	ALR/Alpha	953065	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr2-9235	17.27125	-0.32654	0.535827	-0.60941	0.542252	0.803128	chr2	92357190	92357704	+	0	NA	Intergeni	ALR/Alpha	416314	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-113	16.28634	0.347665	0.570647	0.609247	0.54236	0.803128	chr21	11373327	11373526	+	0	NA	Intergeni	ALR/Alpha	851912	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr2-9282	22.73817	0.284833	0.46807	0.608527	0.542838	0.803388	chr2	92829602	92831644	+	0	NA	Intergeni	ALR/Alpha	889490	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-254	21.17295	0.295566	0.486097	0.608039	0.543162	0.803421	chr17	25497275	25497569	+	0	NA	Intergeni	ALR/Alpha	1591819	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1227	23.34773	0.278507	0.458663	0.607215	0.543709	0.803426	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1269003	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-535	16.70844	-0.33011	0.543724	-0.60712	0.543769	0.803426	chr11	53537615	53537960	+	0	NA	Intergeni	ALR/Alpha	1066211	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr21-124	19.03528	0.313848	0.517978	0.60591	0.544575	0.803678	chr21	12451964	12452291	+	0	NA	Intergeni	ALR/Alpha	-586039	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-303	17.97111	0.315946	0.521991	0.605271	0.544999	0.803678	chr20	30384149	30384595	+	0	NA	intron (N	L1MEc|LIN	7208	NR_003579	284802	Hs.653099	NM_207350		FRG1BP	C20orf80|	FSHD regi	pseudo
chr5-4865	17.97111	0.315946	0.521991	0.605271	0.544999	0.803678	chr5	48653815	48655283	+	0	NA	Intergeni	ALR/Alpha	1786739	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-521	26.58045	0.26466	0.437671	0.6047	0.545378	0.803678	chr11	52161722	52162058	+	0	NA	Intergeni	ALR/Alpha	1752743	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr12-349	17.42331	0.318556	0.526894	0.604591	0.545451	0.803678	chr12	34952219	34954704	+	0	NA	Intergeni	ALR/Alpha	930965	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr17-265	28.17938	0.256015	0.424233	0.603478	0.546191	0.803678	chr17	26596312	26596584	+	0	NA	Intergeni	ALR/Alpha	492793	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr17-230	16.84632	0.324924	0.539153	0.602656	0.546738	0.803678	chr17	23035556	23036818	+	0	NA	Intergeni	ALR/Alpha	513076	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-404	16.84462	0.324774	0.539119	0.602416	0.546897	0.803678	chr10	40455256	40456436	+	0	NA	Intergeni	ALR/Alpha	1759250	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-260	37.52406	0.223729	0.371638	0.602009	0.547168	0.803678	chr19	26070559	26070784	+	0	NA	Intergeni	ALR/Alpha	-1722760	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1241	25.51968	0.264204	0.440122	0.600297	0.548308	0.803678	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2637078	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1222	17.35872	0.325183	0.542732	0.599158	0.549067	0.803678	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	777780	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1229	22.80219	0.279843	0.467464	0.598641	0.549412	0.803678	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1424969	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-262	30.45814	0.247522	0.413771	0.59821	0.5497	0.803678	chr19	26295665	26295864	+	0	NA	Intergeni	ALR/Alpha	-1497667	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9367	30.99008	0.239558	0.4019	0.596064	0.551133	0.803678	chr2	93672523	93672946	+	0	NA	Intergeni	ALR/Alpha	535685	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-254	19.56438	0.298327	0.50054	0.596011	0.551168	0.803678	chr19	25454714	25457961	+	0	NA	Intergeni	ALR/Alpha	-1292890	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1246	25.55113	0.261967	0.439606	0.595913	0.551233	0.803678	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3153049	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo

chr10-409	44.10338	0.204655	0.343588	0.59564	0.551416	0.803678	chr10	40991067	40991338	+	0	NA	Intergeni	ALR/Alpha	1376843	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-518	16.90752	0.317955	0.534596	0.594756	0.552006	0.803678	chr11	51864312	51865978	+	0	NA	Intergeni	ALR/Alpha	1455998	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4940	27.66019	0.254363	0.427958	0.594365	0.552268	0.803678	chr5	49408844	49410196	+	0	NA	Intergeni	ALR/Alpha	1031768	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chrX-6112	24.97245	0.265043	0.446405	0.593728	0.552694	0.803678	chrX	61120221	61121846	+	0	NA	Intergeni	ALR/Alpha	2230299	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr7-6009	16.90638	0.317859	0.535678	0.593376	0.552929	0.803678	chr7	60099336	60099892	+	0	NA	Intergeni	ALR/Alpha	2649437	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-295	22.86225	0.274627	0.463284	0.592782	0.553327	0.803678	chr20	29512994	29513465	+	0	NA	Intergeni	Intergeni	-15895	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr20-271	19.59583	0.295391	0.498504	0.592554	0.553479	0.803678	chr20	27134959	27136327	+	0	NA	Intergeni	ALR/Alpha	-926410	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-275	19.59583	0.295391	0.498504	0.592554	0.553479	0.803678	chr20	27572725	27575077	+	0	NA	Intergeni	ALR/Alpha	1028764	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-271	22.86282	0.274662	0.463655	0.592384	0.553594	0.803678	chr19	27172150	27174474	+	0	NA	Intergeni	ALR/Alpha	-620119	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-120	19.56665	0.298564	0.504219	0.592131	0.553763	0.803678	chr21	12009315	12010528	+	0	NA	Intergeni	ALR/Alpha	-1028245	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr11-523	57.22999	0.180832	0.305803	0.591334	0.554297	0.803678	chr11	52332818	52333091	+	0	NA	Intergeni	ALR/Alpha	1923807	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1247	20.72062	0.289045	0.488819	0.591314	0.55431	0.803678	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3264691	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-518	25.00389	0.262729	0.444667	0.590845	0.554624	0.803678	chr11	51800188	51800415	+	0	NA	Intergeni	ALR/Alpha	1391154	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-251	20.17338	0.290717	0.492384	0.590428	0.554904	0.803678	chr19	25123762	25124730	+	0	NA	Intergeni	ALR/Alpha	-960799	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4942	39.75494	0.214479	0.363598	0.58988	0.555271	0.803678	chr5	49425252	49425466	+	0	NA	Intergeni	ALR/Alpha	1015929	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-288	16.93783	0.314493	0.534447	0.588445	0.556233	0.803678	chr20	28864997	28867273	+	0	NA	Intergeni	ALR/Alpha	-214255	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr18-173	39.55606	0.218214	0.370925	0.588296	0.556334	0.803678	chr18	17361990	17362348	+	0	NA	Intergeni	ALR/Alpha	-2036250	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr20-267	19.62671	0.292446	0.497745	0.587542	0.55684	0.803678	chr20	26701117	26702068	+	0	NA	Intergeni	ALR/Alpha	-492359	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr6-5978	31.56536	0.237213	0.403811	0.587435	0.556911	0.803678	chr6	59788665	59788868	+	0	NA	Intergeni	ALR/Alpha	-1785364	NM_001190	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr5-4929	30.47428	0.237948	0.405178	0.587268	0.557024	0.803678	chr5	49298089	49298369	+	0	NA	Intergeni	ALR/Alpha	1143059	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr13-178	25.03421	0.260377	0.444123	0.586274	0.557692	0.803678	chr13	17827645	17828325	+	0	NA	Intergeni	ALR/Alpha	-367312	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr20-285	19.04859	0.297292	0.507678	0.585592	0.55815	0.803678	chr20	28506809	28508077	+	0	NA	Intergeni	ALR/Alpha	95222	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr11-519	19.62784	0.292533	0.499559	0.585581	0.558157	0.803678	chr11	51961044	51961414	+	0	NA	Intergeni	ALR/Alpha	1552082	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr19-265	33.19121	0.229343	0.391867	0.585256	0.558376	0.803678	chr19	26578832	26579081	+	0	NA	Intergeni	ALR/Alpha	-1214475	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-265	17.31857	-0.31942	0.545907	-0.58511	0.558475	0.803678	chr19	26523932	26524207	+	0	NA	Intergeni	ALR/Alpha	-1269362	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-4553	25.61289	0.257424	0.440206	0.584779	0.558696	0.803678	chr8	45530383	45530761	+	0	NA	Intergeni	ALR/Alpha	1087071	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr22-140	16.39116	0.317264	0.54268	0.584625	0.5588	0.803678	chr22	14009084	14009812	+	0	NA	Intergeni	ALR/Alpha	-1518711	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr4-4957	16.39116	0.317264	0.54268	0.584625	0.5588	0.803678	chr4	49572303	49578894	+	0	NA	Intergeni	MSTA-int|	588956	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|	cell wall	protein-coding
chr1-1226	16.39172	0.317319	0.543269	0.584093	0.559158	0.803678	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1156094	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-525	16.39172	0.317319	0.543269	0.584093	0.559158	0.803678	chr11	52589578	52590179	+	0	NA	Intergeni	ALR/Alpha	2014120	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-284	16.39172	0.317319	0.543269	0.584093	0.559158	0.803678	chr20	28458853	28459070	+	0	NA	Intergeni	ALR/Alpha	143704	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5979	16.39172	0.317319	0.543269	0.584093	0.559158	0.803678	chr7	59791787	59792142	+	0	NA	Intergeni	ALR/Alpha	2341787	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-250	16.39059	0.317218	0.543246	0.58393	0.559267	0.803678	chr19	25080374	25080885	+	0	NA	Intergeni	ALR/Alpha	-917182	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-522	16.39003	0.31718	0.544978	0.582005	0.560564	0.803678	chr11	52211942	52213005	+	0	NA	Intergeni	ALR/Alpha	1803326	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chrX-6149	19.07947	0.294222	0.505543	0.581992	0.560572	0.803678	chrX	61499988	61501460	+	0	NA	Intergeni	ALR/Alpha	1850608	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-249	27.78484	0.24596	0.422825	0.581707	0.560764	0.803678	chr19	24959218	24960236	+	0	NA	Intergeni	ALR/Alpha	-796280	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-264	16.96928	0.311114	0.535356	0.581136	0.561149	0.803678	chr19	26468668	26469003	+	0	NA	Intergeni	ALR/Alpha	-1324596	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-406	19.65702	0.28946	0.498246	0.580958	0.561268	0.803678	chr10	40658020	40659412	+	0	NA	Intergeni	ALR/Alpha	1709329	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-112	16.96984	0.311145	0.536474	0.579982	0.561926	0.803678	chr21	11241227	11241426	+	0	NA	Intergeni	ALR/Alpha	719812	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr10-409	16.96814	0.310998	0.536439	0.579744	0.562087	0.803678	chr10	40947456	40947821	+	0	NA	Intergeni	ALR/Alpha	1420407	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr21-913	16.42204	0.313751	0.541954	0.578925	0.56264	0.803678	chr21	9138502	9143239	+	0	NA	Intergeni	L1PA7|LIN	-11109	NR_038329	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr10-411	16.4226	0.3138	0.542542	0.578389	0.563001	0.803678	chr10	41198583	41198813	+	0	NA	Intergeni	ALR/Alpha	1169347	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-266	16.4226	0.3138	0.542542	0.578389	0.563001	0.803678	chr19	26685777	26686426	+	0	NA	Intergeni	ALR/Alpha	-1107330	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-935	16.4226	0.3138	0.542542	0.578389	0.563001	0.803678	chr21	9354872	9357233	+	0	NA	Intergeni	AluSg7|SI	-186978	NR_135512	1.05E+08	Hs.462323	NR_135512		LOC105379	-	nuclear r	pseudo
chr21-114	21.77004	0.277172	0.479294	0.578293	0.563066	0.803678	chr21	11489491	11489895	+	0	NA	Intergeni	ALR/Alpha	968179	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr11-519	16.42147	0.313699	0.542519	0.578227	0.563111	0.803678	chr11	51948298	51950112	+	0	NA	Intergeni	ALR/Alpha	1540058	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr22-145	19.64371	0.304295	0.526445	0.57802	0.563251	0.803678	chr22	14590558	14590768	+	0	NA	Intergeni	ALR/Alpha	-937496	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr11-522	21.79866	0.274278	0.474536	0.577992	0.563269	0.803678	chr11	52242186	52242677	+	0	NA	Intergeni	ALR/Alpha	1833284	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr17-228	16.55404	-0.31482	0.547475	-0.57503	0.565269	0.803888	chr17	22869445	22869741	+	0	NA	Intergeni	ALR/Alpha	346482	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1245	33.88687	-0.22366	0.390695	-0.57246	0.567008	0.803888	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3033891	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-270	47.50664	0.189702	0.331477	0.572293	0.567123	0.803888	chr19	27064442	27065571	+	0	NA	Intergeni	ALR/Alpha	-728425	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1247	21.83124	0.271746	0.474859	0.572267	0.567141	0.803888	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3211444	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5936	16.45292	0.310238	0.542312	0.572066	0.567278	0.803888	chr7	59366517	59367269	+	0	NA	Intergeni	ALR/Alpha	1916716	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr14-165	22.40766	0.267973	0.469263	0.571051	0.567965	0.803888	chr14	16599418	16599617	+	0	NA	Intergeni	ALR/Alpha	-2001600	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1222	18.56424	0.293094	0.513432	0.570853	0.568099	0.803888	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	723296	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4814	18.56424	0.293094	0.513432	0.570853	0.568099	0.803888	chr5	48140202	48141237	+	0	NA	Intergeni	ALR/Alpha	2300569	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-256	18.56311	0.293003	0.513409	0.570701	0.568202	0.803888	chr19	25693075	25693406	+	0	NA	Intergeni	ALR/Alpha	-1529793	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1244	33.2694	0.232166	0.406936	0.570522	0.568324	0.803888	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2973183	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-517	26.69036	0.246817	0.432743	0.570353	0.568438	0.803888	chr11	51772106	51773080	+	0	NA	Intergeni	ALR/Alpha	1363446	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1228	28.80169	0.240989	0.423319	0.569284	0.569163	0.803888	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1311253	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1231	91.05739	0.144777	0.254335	0.569237	0.569196	0.803888	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1676626	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-6085	18.59456	0.289914	0.511144	0.567185	0.570588	0.803888	chrX	60850118	60851327	+	0	NA	Intergeni	ALR/Alpha	2500610	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr1-1241	18.59512	0.289964	0.51164	0.566733	0.570895	0.803888	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2583211	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-520	16.45462	0.310331	0.547601	0.56671	0.570911	0.803888	chr11	52070622	52070907	+	0	NA	Intergeni	ALR/Alpha	1661617	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-399	29.44327	0.234609	0.414055	0.566613	0.570977	0.803888	chr10	39961374	39961573	+	0	NA	Intergeni	ALR/Alpha	1264877	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr14-167	18.59399	0.289873	0.511617	0.566582	0.570998	0.803888	chr14	16747114	16747767	+	0	NA	Intergeni	ALR/Alpha	-1853677	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1240	26.76856	0.251184	0.443332	0.566582	0.570998	0.803888	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2564282	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4792	30.56862	0.232224	0.410043	0.566341	0.571162	0.803888	chr5	47921054	47921376	+	0	NA	Intergeni	ALR/Alpha	-2224835	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-267	63.47992	0.165271	0.292532	0.564967	0.572096	0.803888	chr19	26754032	26754268	+	0	NA	Intergeni	ALR/Alpha	-1039281	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4662	17.16473	-0.30415	0.538429	-0.56488	0.572156	0.803888	chr5	46624971	46625838	+	0	NA	Intergeni	ALR/Alpha	-929024	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-249	21.31375	0.270056	0.478972	0.563825	0.572873	0.803888	chr19	24976648	24978063	+	0	NA	Intergeni	ALR/Alpha	-813908	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-111	17.13216	-0.30134	0.534563	-0.56371	0.572953	0.803888	chr21	11112311	11112533	+	0	NA	Intergeni	ALR/Alpha	590908	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr6-5915	16.48323	0.306631	0.544318	0.563331	0.57321	0.803888	chr6	59152212	59152618	+	0	NA	Intergeni	ALR/Alpha	-1190969	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr14-173	21.31318	0.270022	0.47976	0.562828	0.573552	0.803888	chr14	17388493	17388833	+	0	NA	Intergeni	ALR/Alpha	-1212454	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr8-4560	21.31318	0.270022	0.47976	0.562828	0.573552	0.803888	chr8	45602164	45603034	+	0	NA	Intergeni	ALR/Alpha	1015044	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr5-4947	26.75212	0.242457	0.430836	0.562761	0.573598	0.803888	chr5	49476958	49478217	+	0	NA	Intergeni	ALR/Alpha	963701	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-258	49.19367	0.183637	0.326441	0.562542	0.573747	0.803888	chr19	25874091	25874355	+	0	NA	Intergeni	ALR/Alpha	-1710776	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-128	18.62544	0.286819	0.510262	0.562102	0.574047	0.803888	chr21	12879552	12880533	+	0	NA	Intergeni	ALR/Alpha	-158124	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr7-5846	22.41049	0.26804	0.476911	0.562033	0.574094	0.803888	chr7	58467415	58467625	+	0	NA	Intergeni	ALR/Alpha	1017343	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1229	17.0316	0.304109	0.541427	0.561681	0.574333	0.803888	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1420572	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-275	18.626	0.286865	0.510756	0.561647	0.574357	0.803888	chr20	27533374	27533614	+	0	NA	Intergeni	ALR/Alpha	1069171	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5862	18.626	0.286865	0.510756	0.561647	0.574357	0.803888	chr7	58626494	58626900	+	0	NA	Intergeni	ALR/Alpha	1176520	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr21-125	25.15942	0.25115	0.447403	0.561352	0.574558	0.803888	chr21	12524334	12524607	+	0	NA	Intergeni	ALR/Alpha	-513696	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-146	24.61105	0.251721	0.448445	0.561319	0.57458	0.803888	chr22	14662828	14663124	+	0	NA	Intergeni	ALR/Alpha	-865183	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr5-4840	39.86769	0.203026	0.361708	0.561299	0.574594	0.803888	chr5	48409281	48409495	+	0	NA	Intergeni	ALR/Alpha	2031900	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	18.04732	0.291763	0.521191	0.559801	0.575615	0.804893	chr20	26557541	26559170	+	0	NA	Intergeni	ALR/Alpha	-349122	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-250	18.04845	0.291881	0.522235	0.558908	0.576225	0.805322	chr19	25058412	25059582	+	0	NA	Intergeni	ALR/Alpha	-895550	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4903	21.89356	0.266451	0.477178	0.558388	0.57658	0.805385	chr5	49030698	49031399	+	0	NA	Intergeni	ALR/Alpha	1410240	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-260	21.34406	0.267315	0.479197	0.55784	0.576954	0.805385	chr19	26045688	26046031	+	0	NA	Intergeni	ALR/Alpha	-1747572	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4823	26.20545	0.24285	0.435596	0.557512	0.577177	0.805385	chr5	48238411	48239774	+	0	NA	Intergeni	ALR/Alpha	2202196	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5887	20.76764	0.271262	0.487071	0.556924	0.577579	0.805523	chr7	58873323	58873549	+	0	NA	Intergeni	ALR/Alpha	1423259	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-406	18.65632	0.283732	0.510269	0.556045	0.57818	0.805939	chr10	40619937	40620532	+	0	NA	Intergeni	ALR/Alpha	1747811	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-9261	18.07933	0.288635	0.519849	0.555227	0.578739	0.806296	chr2	92614929	92615386	+	0	NA	Intergeni	ALR/Alpha	674024	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr22-143	16.51524	0.303122	0.54688	0.554276	0.57939	0.806462	chr22	14328090	14328331	+	0	NA	Intergeni	ALR/Alpha	-1199949	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|	olfactory	protein-coding
chr10-404	29.53534	0.228645	0.412592	0.554167	0.579465	0.806462	chr10	40408276	40409172	+	0	NA	Intergeni	ALR/Alpha	1712128	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4991	36.01918	0.2092	0.3783	0.553	0.580263	0.807151	chr5	49917210	49917778	+	0	NA	Intergeni	ALR/Alpha	523794	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9230	23.51828	0.252998	0.458134	0.552235	0.580787	0.807436	chr2	92302680	92303162	+	0	NA	Intergeni	ALR/Alpha	361788	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-403	28.9881	0.228745	0.415018	0.551169	0.581517	0.807436	chr10	40336285	40336933	+	0	NA	Intergeni	ALR/Alpha	1640013	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr2-9239	17.06078	0.300306	0.5455	0.550515	0.581966	0.807436	chr2	92395819	92396249	+	0	NA	Intergeni	ALR/Alpha	454901	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-515	25.62677	0.245635	0.4463	0.550381	0.582058	0.807436	chr11	51577197	51577483	+	0	NA	Intergeni	ALR/Alpha	1168193	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1244	28.40942	0.230848	0.419475	0.550327	0.582095	0.807436	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2927384	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chrX-5958	20.79965	0.26858	0.488691	0.549591	0.5826	0.807436	chrX	59588895	59589506	+	0	NA	Intergeni	ALR/Alpha	-1678567	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr18-204	45.86266	0.188756	0.344281	0.548261	0.583513	0.807436	chr18	20483868	20484188	+	0	NA	Intergeni	ALR/Alpha	627785	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr2-9375	18.10794	0.28526	0.520414	0.54814	0.583596	0.807436	chr2	93752971	93753370	+	0	NA	Intergeni	ALR/Alpha	455249	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-269	16.57104	-0.30401	0.554694	-0.54807	0.583647	0.807436	chr19	26931819	26932379	+	0	NA	Intergeni	ALR/Alpha	-861332	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr14-171	38.25629	0.200782	0.366487	0.547856	0.583791	0.807436	chr14	17123174	17123416	+	0	NA	Intergeni	ALR/Alpha	-1477822	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr13-163	17.07153	-0.29523	0.538906	-0.54783	0.583805	0.807436	chr13	16323399	16323746	+	0	NA	Intergeni	ALR/Alpha	-1871725	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-258	18.68833	0.280688	0.513127	0.547015	0.584369	0.807615	chr19	25851912	25853112	+	0	NA	Intergeni	ALR/Alpha	-1689065	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9302	21.40695	0.261983	0.47946	0.546412	0.584783	0.807615	chr2	93025965	93026265	+	0	NA	Intergeni	ALR/Alpha	1084982	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1234	117.7373	0.12639	0.231458	0.54606	0.585025	0.807615	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1947874	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1237	18.13996	0.282167	0.516904	0.545879	0.585149	0.807615	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2213554	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-189	27.8313	0.233201	0.427941	0.544939	0.585796	0.808088	chr18	18991187	18991645	+	0	NA	Intergeni	ALR/Alpha	2120397	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr10-408	25.72054	0.238742	0.438782	0.544103	0.586371	0.808207	chr10	40828185	40828622	+	0	NA	Intergeni	ALR/Alpha	1539642	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-537	25.72167	0.238816	0.439419	0.543482	0.586798	0.808207	chr11	53705928	53706148	+	0	NA	Intergeni	ALR/Alpha	897960	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr21-113	20.86028	0.262926	0.484104	0.543119	0.587048	0.808207	chr21	11341698	11341904	+	0	NA	Intergeni	ALR/Alpha	820287	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr1-1239	69.71201	0.155958	0.287435	0.542584	0.587416	0.808207	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2434384	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-274	17.59329	0.283817	0.524875	0.540732	0.588692	0.808207	chr20	27463631	27466112	+	0	NA	Intergeni	ALR/Alpha	1137794	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4908	17.59272	0.283774	0.52539	0.540121	0.589113	0.808207	chr5	49088813	49090285	+	0	NA	Intergeni	ALR/Alpha	1351739	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-266	25.75142	0.236497	0.438013	0.539933	0.589243	0.808207	chr20	26626943	26627165	+	0	NA	Intergeni	ALR/Alpha	-417821	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr17-260	78.95186	0.146355	0.27122	0.539616	0.589462	0.808207	chr17	26098077	26098332	+	0	NA	Intergeni	ALR/Alpha	991037	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr2-9271	28.95201	-0.22621	0.419911	-0.53872	0.59008	0.808207	chr2	92713520	92714030	+	0	NA	Intergeni	ALR/Alpha	772642	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-262	23.03223	0.248559	0.461571	0.538506	0.590228	0.808207	chr19	26292261	26292471	+	0	NA	Intergeni	ALR/Alpha	-1501065	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA

chr8-8564	17.59215	0.283743	0.526968	0.538444	0.59027	0.808207	chr8	85645401	85645760	+	0	NA	Intergeni	HSMAR2|DN	10096	NR_00359	1E+08	Hs.53505	NR_003594		REXO1L2P	-	REXO1 lik	pseudo
chr11-542	20.31304	0.263848	0.49006	0.5384	0.590301	0.808207	chr11	54270106	54271153	+	0	NA	Intergeni	ALR/Alpha	333369	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactory	protein-coding
chr10-400	28.47344	0.2269	0.422221	0.537396	0.590994	0.808207	chr10	40086856	40087370	+	0	NA	Intergeni	ALR/Alpha	1390517	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-517	20.31191	0.263772	0.490896	0.537327	0.591042	0.808207	chr11	51793531	51793774	+	0	NA	Intergeni	ALR/Alpha	1384505	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr19-252	54.83574	0.167224	0.311226	0.537307	0.591056	0.808207	chr19	25211520	25211770	+	0	NA	Intergeni	ALR/Alpha	-1048198	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr13-173	36.14666	0.202845	0.377618	0.53717	0.59115	0.808207	chr13	17389770	17389987	+	0	NA	Intergeni	ALR/Alpha	-805419	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr20-277	43.30183	0.185397	0.345308	0.536902	0.591335	0.808207	chr20	27711142	27711596	+	0	NA	Intergeni	ALR/Alpha	891296	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr17-257	21.98564	0.258259	0.481036	0.536882	0.591349	0.808207	chr17	25796411	25796637	+	0	NA	Intergeni	ALR/Alpha	1292717	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4672	23.03458	-0.24899	0.464206	-0.53639	0.591691	0.808259	chr5	46721258	46721593	+	0	NA	Intergeni	ALR/Alpha	-1025045	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr10-408	17.6236	0.280509	0.524363	0.534951	0.592683	0.808497	chr10	40829612	40831738	+	0	NA	Intergeni	ALR/Alpha	1537370	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr17-260	33.3915	0.209957	0.392515	0.5349	0.592719	0.808497	chr17	26067647	26068068	+	0	NA	Intergeni	ALR/Alpha	1021384	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr20-285	28.44369	0.229073	0.42832	0.534818	0.592776	0.808497	chr20	28544833	28545032	+	0	NA	Intergeni	ALR/Alpha	57733	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr3-9124	27.89589	0.229178	0.429423	0.53369	0.593556	0.808567	chr3	91245885	91246226	+	0	NA	Intergeni	ALR/Alpha	2138434	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr5-4845	25.20418	0.236748	0.443721	0.533552	0.593651	0.808567	chr5	48452305	48452556	+	0	NA	Intergeni	ALR/Alpha	1988858	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1240	16.47897	-0.29445	0.551996	-0.53343	0.593739	0.808567	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2551597	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr13-165	18.20285	0.275866	0.519729	0.530789	0.595565	0.810454	chr13	16536101	16536324	+	0	NA	Intergeni	ALR/Alpha	-1659085	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr21-127	19.73662	0.268096	0.505321	0.530546	0.595734	0.810454	chr21	12711699	12711929	+	0	NA	Intergeni	ALR/Alpha	-326352	NR_02691	149992	Hs.55864	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr22-134	17.04775	0.285824	0.539325	0.529966	0.596135	0.810586	chr22	13475226	13475684	+	0	NA	Intergeni	ALR/Alpha	1578049	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr11-535	20.88833	0.259875	0.49086	0.529427	0.596509	0.81068	chr11	53519613	53519917	+	0	NA	Intergeni	ALR/Alpha	1084233	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactory	protein-coding
chr19-270	39.39666	0.192584	0.364128	0.528892	0.59688	0.81077	chr19	27098638	27098875	+	0	NA	Intergeni	ALR/Alpha	-694675	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1243	34.29331	-0.20399	0.386312	-0.52806	0.59746	0.810795	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2788793	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-403	17.07636	0.282136	0.534362	0.527987	0.597508	0.810795	chr10	40377877	40379220	+	0	NA	Intergeni	ALR/Alpha	1681952	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1245	20.3748	0.258202	0.489518	0.527461	0.597874	0.810831	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3061937	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-403	22.51531	0.246497	0.467674	0.527071	0.598144	0.810831	chr10	40371476	40372388	+	0	NA	Intergeni	ALR/Alpha	1675336	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1240	17.10837	0.278848	0.531662	0.524484	0.599942	0.812069	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2511281	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr2-9287	25.26764	0.232272	0.443079	0.524222	0.600124	0.812069	chr2	92874419	92874790	+	0	NA	Intergeni	ALR/Alpha	933471	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-249	25.95519	-0.22974	0.438491	-0.52393	0.600328	0.812069	chr19	24933790	24934002	+	0	NA	Intergeni	ALR/Alpha	-770449	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-268	19.76354	0.264828	0.505656	0.523732	0.600465	0.812069	chr19	26823512	26823748	+	0	NA	Intergeni	ALR/Alpha	-969801	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-5888	19.82756	0.259019	0.495346	0.522906	0.60104	0.812069	chr7	58884865	58885129	+	0	NA	Intergeni	ALR/Alpha	1434820	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr7-5880	24.68782	0.234684	0.449172	0.522482	0.601335	0.812069	chr7	58802820	58803148	+	0	NA	Intergeni	ALR/Alpha	1352807	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr7-5932	17.68593	0.274039	0.524682	0.522295	0.601465	0.812069	chr7	59328510	59329424	+	0	NA	Intergeni	ALR/Alpha	1878790	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr21-107	21.77125	-0.24882	0.476439	-0.52225	0.601499	0.812069	chr21	10794542	10814490	+	0	NA	Intergeni	L1P1|LINE	283002	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr5-4832	18.88492	-0.27783	0.532672	-0.52157	0.601967	0.812289	chr5	48325069	48325315	+	0	NA	Intergeni	ALR/Alpha	2116096	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-414	24.7187	0.232327	0.447732	0.518898	0.603832	0.813425	chr10	41438905	41440469	+	0	NA	Intergeni	ALR/Alpha	928358	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr4-5006	17.13869	0.275456	0.53105	0.518701	0.603969	0.813425	chr4	50066875	50068795	+	0	NA	Intergeni	ALR/Alpha	1081193	NM_00128	80157	Hs.47970	NM_025087	ENSG0000	CWH43	CWH43-C|F	cell wall	protein-coding
chr19-256	34.56614	0.198615	0.383113	0.518424	0.604163	0.813425	chr19	25667752	25667956	+	0	NA	Intergeni	ALR/Alpha	-1504407	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr10-414	29.60984	0.214576	0.414103	0.51817	0.60434	0.813425	chr10	41466442	41466900	+	0	NA	Intergeni	ALR/Alpha	901374	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr1-1247	17.13982	0.275551	0.532172	0.517786	0.604608	0.813425	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3202994	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1246	36.7364	0.193509	0.374266	0.517037	0.60513	0.813425	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3160243	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr11-516	16.5617	0.280542	0.542715	0.516923	0.60521	0.813425	chr11	51614119	51615075	+	0	NA	Intergeni	ALR/Alpha	1205450	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr20-268	19.85788	0.256089	0.495471	0.51686	0.605254	0.813425	chr20	26859852	26860072	+	0	NA	Intergeni	ALR/Alpha	-650729	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr7-5954	40.67471	0.18445	0.357288	0.51625	0.60568	0.813586	chr7	59542265	59542511	+	0	NA	Intergeni	ALR/Alpha	2092211	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr5-4842	46.61075	0.175392	0.340098	0.515711	0.606056	0.813681	chr5	48424557	48424796	+	0	NA	Intergeni	ALR/Alpha	2016612	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-256	82.56732	0.134853	0.262748	0.513239	0.607784	0.81386	chr19	25636208	25636454	+	0	NA	Intergeni	ALR/Alpha	-1472884	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-262	26.92323	0.220552	0.429818	0.513128	0.607862	0.81386	chr19	26288073	26289743	+	0	NA	Intergeni	ALR/Alpha	-1504523	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr6-5905	16.59202	0.276988	0.539859	0.513075	0.607899	0.81386	chr6	59059751	59060574	+	0	NA	Intergeni	ALR/Alpha	-1098716	NR_13299	1.07E+08	Hs.56153	NR_125727	ENSG0000	LINC0068	-	long inte	ncRNA
chr21-120	21.39222	0.250745	0.488878	0.5129	0.608022	0.81386	chr21	12007811	12008110	+	0	NA	Intergeni	ALR/Alpha	-1030206	NR_02691	149992	Hs.55864	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr1-1246	30.25199	0.209037	0.407607	0.512838	0.608065	0.81386	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3140874	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-135	24.7221	0.232608	0.453777	0.512604	0.608228	0.81386	chr22	13584498	13584722	+	0	NA	Intergeni	ALR/Alpha	1687204	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr5-4952	16.59145	0.276944	0.540424	0.512458	0.608331	0.81386	chr5	49526974	49529141	+	0	NA	Intergeni	ALR/Alpha	913231	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4735	19.3112	0.256913	0.501997	0.511782	0.608804	0.814084	chr5	47358696	47360732	+	0	NA	Intergeni	ALR/Alpha	-1663334	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr14-165	17.1707	0.272196	0.532571	0.511098	0.609282	0.814309	chr14	16594402	16594907	+	0	NA	Intergeni	ALR/Alpha	-2006463	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr19-258	24.7816	0.227741	0.445967	0.510667	0.609584	0.814309	chr19	25843920	25844176	+	0	NA	Intergeni	ALR/Alpha	-1680601	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr5-4953	31.87613	0.202183	0.396981	0.509301	0.610541	0.814819	chr5	49538989	49541720	+	0	NA	Intergeni	ALR/Alpha	900934	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-266	53.31981	0.161395	0.316928	0.509248	0.610578	0.814819	chr19	26630686	26630911	+	0	NA	Intergeni	ALR/Alpha	-1162633	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr14-180	25.35915	0.225339	0.44352	0.508069	0.611405	0.815111	chr14	18075596	18075836	+	0	NA	Intergeni	ALR/Alpha	-525401	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr17-256	16.59032	0.276895	0.545075	0.507994	0.611458	0.815111	chr17	25637040	25637239	+	0	NA	Intergeni	ALR/Alpha	1452102	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-533	16.62233	0.273492	0.539231	0.507189	0.612022	0.815111	chr21	5337412	5337678	+	0	NA	Intergeni	ALR/Alpha	-182887	NM_00136	1.03E+08	Hs.44907	NM_00136	ENSG0000	LOC10272	-	periodic	protein-coding
chr22-136	18.73422	0.261038	0.514677	0.507188	0.612023	0.815111	chr22	13675960	13676216	+	0	NA	Intergeni	ALR/Alpha	1778682	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr20-264	19.34265	0.253994	0.501243	0.506729	0.612345	0.815132	chr20	26495863	26500755	+	0	NA	Intergeni	ALR/Alpha	-289076	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr1-1238	26.98499	0.216274	0.428498	0.504725	0.613752	0.816597	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2367806	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-271	22.09272	0.236633	0.471083	0.502316	0.615445	0.818084	chr19	27167221	27169270	+	0	NA	Intergeni	ALR/Alpha	-625186	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr22-142	16.93186	-0.26949	0.537113	-0.50174	0.61585	0.818084	chr22	14242887	14243110	+	0	NA	Intergeni	ALR/Alpha	-1285161	NM_00100	81061	Hs.55470	NM_00100	ENSG0000	OR11H1	OR11H12|	olfactory	protein-coding
chr14-174	29.45222	-0.20858	0.416108	-0.50128	0.616177	0.818084	chr14	17457256	17457526	+	0	NA	Intergeni	ALR/Alpha	-1143726	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactory	protein-coding
chr5-4824	26.40574	0.218259	0.435414	0.501269	0.616182	0.818084	chr5	48244462	48244665	+	0	NA	Intergeni	ALR/Alpha	2196725	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-4773	24.26524	0.225425	0.450237	0.500681	0.616595	0.818084	chr5	47735165	47736033	+	0	NA	Intergeni	ALR/Alpha	-2039219	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr8-1436	18.79541	0.254741	0.50896	0.500512	0.616714	0.818084	chr8	1.44E+08	1.44E+08	+	0	NA	Intergeni	LTR41B|LT	-16092	NM_00128	286075	Hs.52192	NM_173831	ENSG0000	ZNF707	-	zinc fing	protein-coding
chr20-267	18.79485	0.254702	0.509432	0.499973	0.617094	0.81818	chr20	26744483	26745326	+	0	NA	Intergeni	ALR/Alpha	-535671	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr7-5888	16.65264	0.269991	0.540809	0.499235	0.617614	0.818213	chr7	58882854	58883420	+	0	NA	Intergeni	ALR/Alpha	1432960	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr10-410	24.26411	0.225356	0.451558	0.499063	0.617735	0.818213	chr10	41017895	41018129	+	0	NA	Intergeni	ALR/Alpha	1350033	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chrX-6108	16.93017	-0.26966	0.541231	-0.49823	0.618321	0.818213	chrX	61086862	61087118	+	0	NA	Intergeni	ALR/Alpha	2264342	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr19-253	27.01701	0.214194	0.43035	0.497721	0.618681	0.818213	chr19	25315989	25316983	+	0	NA	Intergeni	ALR/Alpha	-1153039	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr1-1248	28.60914	0.208234	0.419648	0.496212	0.619745	0.818213	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3290548	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-404	18.82629	0.251694	0.507699	0.495755	0.620068	0.818213	chr10	40436314	40437451	+	0	NA	Intergeni	ALR/Alpha	1740286	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr17-252	18.82629	0.251694	0.507699	0.495755	0.620068	0.818213	chr17	25280598	25281510	+	0	NA	Intergeni	ALR/Alpha	1808187	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr10-411	28.1418	0.212236	0.428364	0.495457	0.620278	0.818213	chr10	41140176	41140395	+	0	NA	Intergeni	ALR/Alpha	1227760	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr15-195	36.34639	0.185182	0.374252	0.494807	0.620737	0.818213	chr15	19563220	19564391	+	0	NA	Intergeni	ALR/Alpha	-718939	NR_03883	646096	Hs.44878	NR_03883	ENSG0000	CHEK2P2	-	checkpoi	pseudo
chrX-6246	29.21984	0.204609	0.413609	0.494691	0.620818	0.818213	chrX	62469769	62470906	+	0	NA	Intergeni	ALR/Alpha	880995	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr12-372	20.9685	0.240018	0.485647	0.494223	0.621149	0.818213	chr12	37259722	37261597	+	0	NA	Intergeni	ALR/Alpha	-1056115	NM_00101	144245	Hs.25930	NM_00101	ENSG0000	ALG10B	ALG10|KC	ALG10 al	protein-coding
chr1-1245	16.90155	-0.26641	0.539229	-0.49405	0.621269	0.818213	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3080985	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-410	23.68939	0.228108	0.461783	0.493973	0.621325	0.818213	chr10	41087521	41087720	+	0	NA	Intergeni	ALR/Alpha	1280425	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr5-4889	23.71913	0.225513	0.456657	0.493834	0.621424	0.818213	chr5	48890336	48891486	+	0	NA	Intergeni	ALR/Alpha	1550377	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-230	18.24817	0.255615	0.519479	0.49206	0.622677	0.819457	chr17	23037532	23038327	+	0	NA	Intergeni	ALR/Alpha	514818	NM_00119	1E+08	Hs.74018	NM_00119	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr2-9272	20.99938	0.237244	0.483596	0.490583	0.623722	0.820427	chr2	92727679	92728196	+	0	NA	Intergeni	ALR/Alpha	786804	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-267	20.99768	0.23714	0.484808	0.489142	0.624741	0.821362	chr19	26717291	26717524	+	0	NA	Intergeni	ALR/Alpha	-1076024	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-4803	79.5043	0.132127	0.27137	0.486889	0.626337	0.823053	chr5	48036692	48036939	+	0	NA	Intergeni	ALR/Alpha	-2340435	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr1-1228	16.71497	0.263101	0.541932	0.485488	0.62733	0.823637	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1358190	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-285	35.79575	0.184531	0.380172	0.485389	0.627401	0.823637	chr20	28534153	28534769	+	0	NA	Intergeni	ALR/Alpha	68204	NR_13231	1E+08	Hs.529357	NR_13231	ENSG0000	FRG1CP	-	FSHD regi	pseudo
chr19-261	18.31107	0.249372	0.515968	0.48331	0.628876	0.825167	chr19	26157839	26159266	+	0	NA	Intergeni	ALR/Alpha	-1634879	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-117	22.06637	0.23953	0.497072	0.481881	0.629891	0.82563	chr21	11752489	11752693	+	0	NA	Intergeni	ALR/Alpha	1231077	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr19-256	26.5321	0.209671	0.435201	0.48178	0.629962	0.82563	chr19	25605006	25605214	+	0	NA	Intergeni	ALR/Alpha	-1441663	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-252	21.06057	0.23175	0.481307	0.481502	0.63016	0.82563	chr19	25225896	25226787	+	0	NA	Intergeni	ALR/Alpha	-1062894	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-263	31.48613	0.192731	0.40301	0.478228	0.632488	0.827998	chr19	26389556	26389769	+	0	NA	Intergeni	ALR/Alpha	-1403769	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-116	18.34195	0.246249	0.515074	0.478085	0.63259	0.827998	chr21	11602814	11603047	+	0	NA	Intergeni	ALR/Alpha	1081416	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr1-1244	20.49236	-0.23714	0.497172	-0.47699	0.633371	0.828614	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2958012	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr22-136	35.86318	0.181495	0.381873	0.475278	0.634589	0.829106	chr22	13650824	13651063	+	0	NA	Intergeni	ALR/Alpha	1753537	NR_110761	1.03E+08	Hs.65292	NR_110761		LOC10272	-	uncharact	ncRNA
chr1-1226	25.14703	-0.21295	0.448169	-0.47516	0.634673	0.829106	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1161408	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4761	20.5139	0.231929	0.488121	0.475147	0.634682	0.829106	chr5	47611037	47612313	+	0	NA	Intergeni	ALR/Alpha	-1915295	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpola	protein-coding
chr19-250	18.37169	0.24305	0.51405	0.472814	0.636346	0.830871	chr19	25069251	25069463	+	0	NA	Intergeni	ALR/Alpha	-905910	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-268	53.92605	-0.14821	0.314465	-0.47131	0.637416	0.831042	chr19	26889072	26889359	+	0	NA	Intergeni	ALR/Alpha	-904216	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1228	59.61167	0.141196	0.300178	0.470373	0.638088	0.831042	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1287108	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-404	20.54421	0.229104	0.48712	0.470324	0.638124	0.831042	chr10	40476616	40478848	+	0	NA	Intergeni	ALR/Alpha	1781136	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-408	50.76664	0.151486	0.322292	0.470026	0.638337	0.831042	chr10	40810937	40811362	+	0	NA	Intergeni	ALR/Alpha	1556896	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fing	pseudo
chr1-1230	32.59448	0.184703	0.39321	0.469733	0.638546	0.831042	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1578717	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-271	20.54534	0.22919	0.487998	0.469653	0.638603	0.831042	chr19	27134706	27137331	+	0	NA	Intergeni	ALR/Alpha	-657413	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1247	23.29485	0.215613	0.459171	0.46957	0.638663	0.831042	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3243693	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr5-4949	21.12346	0.226366	0.484021	0.467679	0.640015	0.83142	chr5	49496450	49497368	+	0	NA	Intergeni	ALR/Alpha	944379	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-1227	17.82502	0.243551	0.521101	0.467377	0.64023	0.83142	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1254554	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr20-288	17.82502	0.243551	0.521101	0.467377	0.64023	0.83142	chr20	28860112	28861891	+	0	NA	Intergeni	ALR/Alpha	-219389	NR_13231	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr8-4532	17.82559	0.243601	0.521636	0.466995	0.640504	0.83142	chr8	45327711	45329357	+	0	NA	Intergeni	ALR/Alpha	1289109	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr7-5928	32.6248	0.182906	0.392436	0.466079	0.641159	0.83142	chr7	59282465	59282777	+	0	NA	Intergeni	ALR/Alpha	1832444	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr9-4123	32.79825	-0.18358	0.393934	-0.46602	0.641205	0.83142	chr9	41234085	41234931	+	0	NA	promoter-	promoter-	-673	NR_03968	1.01E+08		NR_03968	ENSG0000	MIR4477B	-	microRNA	ncRNA
chr20-273	19.96553	0.232089	0.498658	0.465427	0.641625	0.83142	chr20	27370416	27373755	+	0	NA	Intergeni	ALR/Alpha	-1162852	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A h	ncRNA
chr19-271	34.63629	-0.18185	0.391034	-0.46505	0.641894	0.83142	chr19	27125210	27125436	+	0	NA	Intergeni	ALR/Alpha	-668108	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1245	25.49825	0.204527	0.439973	0.464863	0.64203	0.83142	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3042664	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-267	30.4855	-0.19035	0.409569	-0.46476	0.642101	0.83142	chr19	26772790	26773032	+	0	NA	Intergeni	ALR/Alpha	-1020520	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-1235	50.842	0.1531	0.329827	0.464184	0.642516	0.83142	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2005504	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-405	22.74818	0.21542	0.464343	0.463923	0.642703	0.83142	chr10	40514424	40515274	+	0	NA	Intergeni	ALR/Alpha	1818253	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-403	19.99754	0.229228	0.494625	0.463439	0.64305	0.831466	chr10	40396648	40397790	+	0	NA	Intergeni	ALR/Alpha	1700623	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr21-917	17.8559	0.240364	0.520608	0.461699	0.644298	0.832674	chr21	9170867	9171997	+	0	NA	Intergeni	Intergeni	-41671	NR_03832	1E+08	Hs.48756	NM_17494	ENSG0000	TEKT4P2	MAFIPL|T	tektin 4	pseudo
chr2-9415	22.16949	0.217796	0.47359	0.459882	0.645601	0.833686	chr2	94153792	94154097	+	0	NA	Intergeni	ALR/Alpha	54475	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr1-1247	162.5807	0.093859	0.20418	0.45969	0.645739	0.833686	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3238601	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin p	pseudo

chr11-52	24.95157	0.204137	0.444743	0.459	0.646234	0.833686	chr11	52071729	52072688	+	0	NA	Intergeni	ALR/Alph	1663061	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr11-53	22.77849	0.212876	0.463923	0.458861	0.646334	0.833686	chr11	53306319	53307889	+	0	NA	Intergeni	ALR/Alph	1296894	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactor	protein-coding
chr14-17	22.78019	0.212985	0.466184	0.456869	0.647765	0.835128	chr14	17209945	17210203	+	0	NA	Intergeni	ALR/Alph	-1391043	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactor	protein-coding
chr19-24	16.21692	-0.25479	0.560025	-0.45497	0.649131	0.836287	chr19	24632695	24632953	+	0	NA	Intergeni	ALR/Alph	-469377	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr11-51	30.48486	0.186051	0.409134	0.454745	0.649293	0.836287	chr11	51506786	51507011	+	0	NA	Intergeni	ALR/Alph	1097751	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr11-52	28.31007	0.191586	0.422284	0.45369	0.650052	0.836652	chr11	52428265	52428557	+	0	NA	Intergeni	ALR/Alph	2019264	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr1-123	17.88792	0.237243	0.523165	0.453477	0.650205	0.836652	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2480906	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-496	16.82365	-0.24629	0.543774	-0.45292	0.650607	0.836765	chr5	49672852	49673155	+	0	NA	Intergeni	ALR/Alph	768285	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-487	22.23069	0.212551	0.47114	0.451143	0.651887	0.838005	chr5	48784834	48786749	+	0	NA	Intergeni	ALR/Alph	1655497	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-25	27.76397	0.1911	0.424231	0.450463	0.652377	0.83823	chr19	25870257	25870509	+	0	NA	Intergeni	ALR/Alph	-1706936	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr1-124	17.33954	0.237466	0.527978	0.449766	0.652879	0.838471	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2764470	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-123	29.38982	0.184765	0.412439	0.447982	0.654166	0.839719	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1715750	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr14-17	20.63912	0.220814	0.493903	0.44708	0.654817	0.840149	chr14	17392962	17393172	+	0	NA	Intergeni	ALR/Alph	-1208050	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactor	protein-coding
chr2-924	16.76256	0.241342	0.540601	0.446433	0.655285	0.840343	chr2	92482285	92482550	+	0	NA	Intergeni	ALR/Alph	541284	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B p	pseudo
chr5-489	25.06686	-0.19946	0.448773	-0.44446	0.656713	0.841629	chr5	48960928	48961191	+	0	NA	Intergeni	ALR/Alph	1480229	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-26	38.20227	0.162415	0.365674	0.444152	0.656933	0.841629	chr20	26501668	26502020	+	0	NA	Intergeni	ALR/Alph	-292611	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr7-5981	17.37099	0.234243	0.527923	0.443707	0.657254	0.841629	chr7	59816742	59817195	+	0	NA	Intergeni	ALR/Alph	2366791	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr5-475	16.73338	0.245318	0.553397	0.443295	0.657552	0.841629	chr5	47540993	47541226	+	0	NA	Intergeni	ALR/Alph	-1844729	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr19-26	22.84252	0.207926	0.46956	0.442809	0.657904	0.841674	chr19	26360670	26360900	+	0	NA	Intergeni	ALR/Alph	-1432646	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-474	16.79231	0.237792	0.537898	0.442076	0.658434	0.841948	chr5	47480912	47481357	+	0	NA	Intergeni	ALR/Alph	-1784754	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr7-586	28.84314	0.184123	0.417502	0.44101	0.659206	0.84253	chr7	58657766	58658002	+	0	NA	Intergeni	ALR/Alph	1207707	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr1-122	28.23415	0.187713	0.427776	0.438811	0.660798	0.843545	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1096812	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-493	84.26663	0.113647	0.259085	0.438649	0.660916	0.843545	chr5	49351635	49351914	+	0	NA	Intergeni	ALR/Alph	1089514	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-26	23.88968	0.201055	0.458565	0.438444	0.661065	0.843545	chr19	26051801	26052109	+	0	NA	Intergeni	ALR/Alph	-1741476	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-123	24.46383	0.198901	0.453944	0.438163	0.661268	0.843545	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2431137	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chrX-585	26.09251	0.191477	0.438897	0.436268	0.662642	0.844266	chrX	58540919	58555512	+	0	NA	Intergeni	ALR/Alph	-637582	NM_00715	7789	Hs.55009	NM_00715	ENSG0000	ZXDA	ZNF896	zinc fin	protein-coding
chr5-495	156.6328	0.09177	0.210417	0.436134	0.662739	0.844266	chr5	49563517	49563771	+	0	NA	Intergeni	ALR/Alph	877644	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-26	26.09081	0.191375	0.438862	0.436071	0.662785	0.844266	chr20	26438021	26438357	+	0	NA	Intergeni	ALR/Alph	-228956	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr5-483	72.46686	-0.12142	0.279261	-0.43479	0.663717	0.845048	chr5	48355529	48355770	+	0	NA	Intergeni	ALR/Alph	2085639	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-26	24.52786	0.194363	0.44857	0.433294	0.664801	0.84561	chr19	26437149	26438058	+	0	NA	Intergeni	ALR/Alph	-1355828	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chrX-613	30.00108	0.181538	0.418974	0.433293	0.664802	0.84561	chrX	61304169	61304475	+	0	NA	Intergeni	ALR/Alph	2047010	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr5-485	31.1253	0.180563	0.417132	0.432866	0.665112	0.84561	chr5	48507078	48507309	+	0	NA	Intergeni	ALR/Alph	1934095	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr20-26	31.1083	0.173597	0.402106	0.431719	0.665946	0.84569	chr20	26551376	26551655	+	0	NA	Intergeni	ALR/Alph	-342282	NR_04009	284801	Hs.37069	NR_04009	ENSG0000	MIR663AH	-	MIR663A	ncRNA
chr1-123	22.90144	0.202645	0.469422	0.431691	0.665966	0.84569	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2000164	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr19-26	16.8552	0.231129	0.535681	0.431468	0.666128	0.84569	chr19	26489812	26491742	+	0	NA	Intergeni	ALR/Alph	-1302654	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chrX-6111	26.73125	0.18555	0.430627	0.430882	0.666554	0.845828	chrX	61113243	61113824	+	0	NA	Intergeni	ALR/Alph	2237799	NM_00101	139886	Hs.61278	NM_00101	ENSG0000	SPIN4	TDRD28	spindlin	protein-coding
chr1-124	19.60527	0.214764	0.498997	0.430392	0.666911	0.845877	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3171862	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr10-41	16.27651	0.234704	0.546679	0.429326	0.667686	0.846457	chr10	41840858	41842044	+	0	NA	Intergeni	ALR/Alph	526594	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr2-9361	30.8469	-0.17306	0.404108	-0.42825	0.66847	0.847047	chr2	93612209	93612474	+	0	NA	Intergeni	ALR/Alph	596078	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pse	pseudo
chr13-17	21.8081	0.201832	0.47404	0.425771	0.670275	0.84893	chr13	17936661	17936887	+	0	NA	Intergeni	ALR/Alph	-258523	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr5-5001	32.62827	-0.16808	0.395325	-0.42516	0.67072	0.849089	chr5	50016692	50016950	+	0	NA	Intergeni	ALR/Alph	424467	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-124	33.37176	0.164401	0.388772	0.422874	0.672387	0.85054	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2979790	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-483	30.63869	0.17611	0.417014	0.422313	0.672796	0.85054	chr5	48321979	48322224	+	0	NA	Intergeni	ALR/Alph	2119187	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-26	21.74294	0.206911	0.491683	0.420822	0.673885	0.85054	chr19	26674417	26674665	+	0	NA	Intergeni	ALR/Alph	-1118890	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-123	26.21546	0.182637	0.434409	0.420426	0.674174	0.85054	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1913989	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-122	26.21603	0.182668	0.435029	0.419897	0.67456	0.85054	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1035186	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr7-601	21.26199	0.201325	0.479572	0.419802	0.67463	0.85054	chr7	60100933	60101322	+	0	NA	Intergeni	ALR/Alph	2650950	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr5-494	52.71629	0.132946	0.317032	0.419346	0.674963	0.85054	chr5	49492262	49493479	+	0	NA	Intergeni	ALR/Alph	948418	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-23	16.33884	0.227769	0.543206	0.419306	0.674993	0.85054	chr17	23453743	23453942	+	0	NA	Intergeni	ALR/Alph	930731	NM_00119	1E+08	Hs.74018	NM_00119	ENSG0000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-26	16.33884	0.227769	0.543206	0.419306	0.674993	0.85054	chr19	26688382	26689724	+	0	NA	Intergeni	ALR/Alph	-1104378	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-11	52.71969	0.133055	0.317782	0.4187	0.675435	0.85054	chr21	11472272	11472650	+	0	NA	Intergeni	ALR/Alph	950947	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr10-40	28.41942	0.175304	0.418865	0.418522	0.675565	0.85054	chr10	40649801	40650008	+	0	NA	Intergeni	ALR/Alph	1718141	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr21-111	19.63388	0.211542	0.505868	0.418175	0.675819	0.85054	chr21	11110946	11111261	+	0	NA	Intergeni	ALR/Alph	589589	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr5-484	17.27825	-0.22301	0.533649	-0.4179	0.676021	0.85054	chr5	48406064	48406463	+	0	NA	Intergeni	ALR/Alph	2035025	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-122	17.46193	0.223977	0.536844	0.417211	0.676524	0.850763	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1086212	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr21-801	24.04238	0.188948	0.453348	0.416782	0.676838	0.850763	chr21	8019335	8020680	+	0	NA	Intergeni	ALR/Alph	-177613	NR_03895	1.01E+08	Hs.42670	NR_038958		LOC100507	-	uncharact	ncRNA
chr5-482	24.04464	0.189037	0.457583	0.413121	0.679518	0.853245	chr5	48203296	48203855	+	0	NA	Intergeni	ALR/Alph	2237713	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-26	52.25065	0.133882	0.324604	0.412449	0.680011	0.853245	chr17	26517427	26517653	+	0	NA	Intergeni	ALR/Alph	571701	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr21-11	22.88784	0.19247	0.466734	0.412376	0.680064	0.853245	chr21	11235177	11235392	+	0	NA	Intergeni	ALR/Alph	713770	NM_19926	7179	Hs.12298	NM_19925	ENSG0000	TPTE	CT44|PTE	transmem	protein-coding
chr7-592	50.54774	0.133852	0.32462	0.412334	0.680095	0.853245	chr7	59292334	59293381	+	0	NA	Intergeni	ALR/Alph	1842680	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr10-40	18.54111	0.210999	0.512452	0.411743	0.680527	0.853385	chr10	40201447	40203373	+	0	NA	Intergeni	ALR/Alph	1505814	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B p	pseudo
chr1-1241	16.60749	-0.22451	0.546457	-0.41085	0.68118	0.853776	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2622739	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr3-909	20.71306	0.200632	0.488928	0.410351	0.681548	0.853776	chr3	90921308	90921540	+	0	NA	Intergeni	ALR/Alph	1813803	NM_00523	2042	Hs.12364	NM_00523	ENSG0000	EPHA3	EK4|ETK|	EPH rece	protein-coding
chr1-123	18.01313	0.223572	0.546071	0.409419	0.682232	0.853776	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1827060	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr19-26	24.01546	0.1915	0.467904	0.409273	0.682339	0.853776	chr19	26547296	26547503	+	0	NA	Intergeni	ALR/Alph	-1246032	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-124	52.81176	0.129683	0.316972	0.409131	0.682443	0.853776	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2920747	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-122	18.57255	0.207993	0.511062	0.406981	0.684022	0.855349	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1301889	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr14-18	22.91985	0.190075	0.468536	0.405678	0.684979	0.856143	chr14	18067907	18068145	+	0	NA	Intergeni	ALR/Alph	-533091	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactor	protein-coding
chr5-473	36.13741	0.152737	0.377507	0.404594	0.685776	0.856614	chr5	47388524	47388961	+	0	NA	Intergeni	ALR/Alph	-1692362	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr10-40	22.9479	0.187325	0.463396	0.404244	0.686033	0.856614	chr10	40643377	40645663	+	0	NA	Intergeni	ALR/Alph	1723525	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr5-474	25.72885	0.177283	0.439577	0.403304	0.686724	0.856614	chr5	47486343	47486547	+	0	NA	Intergeni	ALR/Alph	-1790065	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr10-41	22.88387	0.192437	0.477355	0.403132	0.686851	0.856614	chr10	41839442	41839884	+	0	NA	Intergeni	ALR/Alph	528382	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr2-9401	20.77652	0.195244	0.484503	0.402977	0.686965	0.856614	chr2	94011196	94011422	+	0	NA	Intergeni	ALR/Alph	197110	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pse	pseudo
chr11-94	19.52753	-0.2027	0.505421	-0.40105	0.688382	0.857979	chr11	94233618	94237470	+	0	NA	Intergeni	L1PA2|LI	-70093	NM_00119	390243	Hs.55375	NM_00108	ENSG0000	IZUMO1R	FOLR4|Fol	IZUMO1 r	protein-coding
chr5-469	22.97991	0.184921	0.46199	0.400272	0.688956	0.858065	chr5	46925824	46927515	+	0	NA	Intergeni	ALR/Alph	-1230289	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr5-4671	18.02588	0.207492	0.518624	0.400082	0.689096	0.858065	chr5	46713064	46713318	+	0	NA	Intergeni	ALR/Alph	-1016811	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr1-123	22.97878	0.184848	0.462704	0.399494	0.689529	0.858202	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1955458	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr17-25	43.41666	0.13827	0.347025	0.398444	0.690303	0.858654	chr17	25828576	25828810	+	0	NA	Intergeni	ALR/Alph	1260548	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-124	49.49763	-0.13236	0.332465	-0.39813	0.690538	0.858654	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alph	3096128	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr10-40	27.38501	0.169211	0.427397	0.395911	0.69217	0.859485	chr10	40934483	40935759	+	0	NA	Intergeni	ALR/Alph	1432924	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr1-123	36.23061	0.147928	0.374226	0.39529	0.692629	0.859485	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2461238	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr2-924	24.22783	-0.17896	0.452973	-0.39509	0.692778	0.859485	chr2	92495481	92496381	+	0	NA	Intergeni	ALR/Alph	554798	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B p	pseudo
chr5-484	18.05676	0.204361	0.517726	0.394728	0.693044	0.859485	chr5	48483143	48483727	+	0	NA	Intergeni	ALR/Alph	1957853	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr5-493	31.91219	-0.15844	0.401506	-0.39462	0.693123	0.859485	chr5	49358825	49359041	+	0	NA	Intergeni	ALR/Alph	1082355	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-271	45.10596	0.133691	0.338842	0.394552	0.693174	0.859485	chr19	27146724	27148816	+	0	NA	Intergeni	ALR/Alph	-645661	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr11-51	24.60406	0.177715	0.451158	0.393908	0.693649	0.859485	chr11	51284263	51285088	+	0	NA	Intergeni	ALR/Alph	875528	NR_02450	646813	Hs.68417	NR_024504		LOC64681	-	DExH-box	pseudo
chr19-26	30.19854	0.160445	0.407841	0.393402	0.694023	0.859485	chr19	26641036	26641252	+	0	NA	Intergeni	ALR/Alph	-1152287	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-123	25.79174	0.172896	0.440037	0.392914	0.694383	0.859485	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1919497	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr19-27	38.46489	0.143006	0.364028	0.392843	0.694436	0.859485	chr19	27024764	27024972	+	0	NA	Intergeni	ALR/Alph	-768563	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr19-25	20.83771	0.189736	0.485526	0.390784	0.695957	0.860967	chr19	25053554	25053790	+	0	NA	Intergeni	ALR/Alph	-890225	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr6-602	17.5557	0.213383	0.548318	0.389159	0.697158	0.862053	chr6	60234132	60234340	+	0	NA	Intergeni	ALR/Alph	-1339894	NM_00119	1E+08		NM_001190706		MTRNR2L9	HN9	MT-RNR2 l	protein-coding
chr11-54	22.46412	0.181502	0.46739	0.388331	0.697771	0.86241	chr11	54002218	54003062	+	0	NA	Intergeni	ALR/Alph	601358	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactor	protein-coding
chr5-488	27.45017	0.165213	0.428971	0.385139	0.700135	0.864569	chr5	48854787	48854995	+	0	NA	Intergeni	ALR/Alph	1586397	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr11-52	17.51122	0.203895	0.529989	0.384714	0.700449	0.864569	chr11	52821308	52821780	+	0	NA	Intergeni	ALR/Alph	1782454	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactor	protein-coding
chr5-478	31.88614	0.152644	0.397081	0.384415	0.700671	0.864569	chr5	47801054	47801286	+	0	NA	Intergeni	ALR/Alph	-2104790	NM_02107	348980	Hs.35317	NM_02107	ENSG0000	HCN1	BCNG-1|B	hyperpol	protein-coding
chr18-18	39.54293	0.139476	0.363014	0.384218	0.700817	0.864569	chr18	18084906	18085184	+	0	NA	Intergeni	ALR/Alph	-2759126	NR_027417	644669	Hs.57947	NR_027417	ENSG0000	LOC64466	-	ankyrin	pseudo
chr7-589	22.49443	0.178945	0.466585	0.38352	0.701335	0.864806	chr7	58924761	58925805	+	0	NA	Intergeni	ALR/Alph	1475106	NM_00115	441234	Hs.533121	NM_00115	ENSG0000	ZNF716	-	zinc fin	protein-coding
chr1-121	26.90066	0.163977	0.429347	0.381921	0.70252	0.865706	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alph	340944	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr10-407	18.11909	0.198138	0.519151	0.381658	0.702715	0.865706	chr10	40782299	40782730	+	0	NA	Intergeni	ALR/Alph	1585531	NR_02438	441666	Hs.25572	NR_02438	ENSG0000	LOC44166	-	zinc fin	pseudo
chr19-247	24.77563	-0.17048	0.448296	-0.38028	0.703738	0.866565	chr19	24753872	24754149	+	0	NA	Intergeni	ALR/Alph	-590563	NR_00360	1E+08	Hs.14931	NR_00360	ENSG0000	HAVCR1P1	-	hepatiti	pseudo
chr14-167	24.11915	0.171998	0.454116	0.378753	0.704871	0.867476	chr14	16710477	16710676	+	0	NA	Intergeni	ALR/Alph	-1890541	NM_00101	440153	Hs.53488	NM_00101	ENSG0000	OR11H12	-	olfactor	protein-coding
chr1-122	19.74437	0.187929	0.496636	0.378405	0.70513	0.867476	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1375635	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr1-124	22.52531	0.176428	0.466814	0.37794	0.705475	0.8675	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2829209	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr5-484	18.69607	0.195545	0.518115	0.377417	0.705864	0.867577	chr5	48404425	48404641	+	0	NA	Intergeni	ALR/Alph	2036755	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr1-122	21.9472	0.177845	0.472574	0.376333	0.706669	0.868166	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alph	1417204	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr19-26	33.57262	0.145585	0.387559	0.375647	0.707179	0.868391	chr19	26903863	26904846	+	0	NA	Intergeni	ALR/Alph	-889077	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr11-53	16.53072	-0.20365	0.544351	-0.37411	0.708323	0.869254	chr11	53511364	53512129	+	0	NA	Intergeni	ALR/Alph	1092252	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactor	protein-coding
chr17-25	32.99563	0.146174	0.391023	0.373824	0.708535	0.869254	chr17	25359989	25360417	+	0	NA	Intergeni	ALR/Alph	1729038	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr19-26	21.79213	-0.17805	0.476888	-0.37336	0.708883	0.86928	chr19	26882479	26882684	+	0	NA	Intergeni	ALR/Alph	-910850	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr1-124	42.8746	-0.12946	0.347531	-0.37251	0.709511	0.869649	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alph	2883520	NR_00395	647121	Hs.69768	NR_00395	ENSG0000	EMBP1	-	embigin	pseudo
chr12-35	34.61978	0.143079	0.386378	0.370308	0.711153	0.87126	chr12	35030356	35031111	+	0	NA	Intergeni	ALR/Alph	1008237	NM_03283	84920	Hs.102971	NM_03283	ENSG0000	ALG10	ALG10A|DI	ALG10 al	protein-coding
chr19-26	17.60216	0.194053	0.525134	0.36953	0.711732	0.871569	chr19	26955415	26956365	+	0	NA	Intergeni	ALR/Alph	-837541	NR_11068	1.02E+08	Hs.56793	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr17-25	17.02518	0.196458	0.533625	0.368158	0.712756	0.87202	chr17	25452820	25453048	+	0	NA	Intergeni	ALR/Alph	1636307	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA
chr8-458	17.02518	0.196458	0.533625	0.368158	0.712756	0.87202	chr8	45835211	45835539	+	0	NA	Intergeni	ALR/Alph	782268	NR_146077	389652		NR_146077	ENSG0000	ASNSP1	ASNSL1	asparagi	pseudo
chr11-53	19.80613	0.182223	0.496078	0.367327	0.713375	0.872377	chr11	53435098	53435303	+	0	NA	Intergeni	ALR/Alph	1168798	NM_00100	119749	Hs.55356	NM_00100	ENSG0000	OR4C46	-	olfactor	protein-coding
chr5-495	37.49563	0.134774	0.368697	0.365542	0.714707	0.873604	chr5	49543067	49544045	+	0	NA	Intergeni	ALR/Alph	897732	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr2-927	16.46839	-0.19742	0.543763	-0.36306	0.716559	0.874698	chr2	92783363	92783638	+	0	NA	Intergeni	ALR/Alph	842367	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B p	pseudo
chr13-171	16.44649	0.199058	0.548336	0.363022	0.716588	0.874698	chr13	17123258	17123481	+	0	NA	Intergeni	ALR/Alph	-1071928	NR_02727	26080	Hs.44858	NR_02727	ENSG0000	FAM230C	LINC00281	family wi	ncRNA
chr2-930	16.44649	0.199058	0.548336	0.363022	0.716588	0.874698	chr2	93099986	93100929	+	0	NA	Intergeni	ALR/Alph	1107962	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pse	pseudo
chr2-925	30.27644	0.14723	0.407257	0.361515	0.717714	0.875671	chr2	92551831	92552784	+	0	NA	Intergeni	ALR/Alph	611174	NR_02771	440888	Hs.73023	NM_001032412		ACTR3BP2	FKSG73	ACTR3B p	pseudo
chr5-482	19.83701	0.179356	0.496962	0.360906	0.71817	0.875825	chr5	48252395	48253628	+	0	NA	Intergeni	ALR/Alph	2188277	NM_19844	133418	Hs.561411	NM_19844	ENSG0000	EMB	GP70	embigin	protein-coding
chr17-26	18.64932	0.185993	0.517677	0.359284	0.719383	0.87656	chr17	26572125	26573417	+	0	NA	Intergeni	ALR/Alph	516470	NR_13567	1.05E+08	Hs.64991	NR_135673		LOC105371	-	uncharact	ncRNA

chr19-268	39.86078	-0.12911	0.359938	-0.3587	0.719822	0.87656	chr19	26818302	26818516	+		0	NA	Intergeni	ALR/Alpha	-975022	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr13-167	36.36914	0.133886	0.375745	0.35632	0.721601	0.87656	chr13	16736413	16736664	+		0	NA	Intergeni	ALR/Alpha	-1458759	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1244	54.78947	0.11141	0.31289	0.356067	0.72179	0.87656	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2964625	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-231	29.25959	0.148411	0.417023	0.355882	0.721929	0.87656	chr17	23143681	23144077	+		0	NA	Intergeni	ALR/Alpha	620768	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chrX-6161	65.85291	0.102725	0.28883	0.355661	0.722095	0.87656	chrX	61614907	61615295	+		0	NA	Intergeni	ALR/Alpha	1736231	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr19-268	52.52998	0.114777	0.322826	0.355537	0.722188	0.87656	chr19	26802671	26802901	+		0	NA	Intergeni	ALR/Alpha	-990645	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9343	17.0875	0.189892	0.534237	0.355446	0.722256	0.87656	chr2	93432421	93432801	+		0	NA	Intergeni	ALR/Alpha	775808	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr17-229	16.50882	0.192095	0.541856	0.354514	0.722954	0.87656	chr17	22948350	22949146	+		0	NA	Intergeni	ALR/Alpha	425637	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-271	23.69656	0.161298	0.455276	0.354286	0.723125	0.87656	chr19	27141622	27143552	+		0	NA	Intergeni	ALR/Alpha	-650844	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4774	23.69656	0.161298	0.455276	0.354286	0.723125	0.87656	chr5	47748978	47751034	+		0	NA	Intergeni	ALR/Alpha	-2053626	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4824	21.49316	0.168837	0.476705	0.354175	0.723208	0.87656	chr5	48241475	48242323	+		0	NA	Intergeni	ALR/Alpha	2199389	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1242	23.696	0.161262	0.45562	0.353939	0.723385	0.87656	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2695295	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5843	23.696	0.161262	0.45562	0.353939	0.723385	0.87656	chr7	58433908	58435615	+		0	NA	Intergeni	ALR/Alpha	984584	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr13-179	19.28863	0.178018	0.503751	0.353385	0.7238	0.876664	chr13	17943918	17944322	+		0	NA	Intergeni	ALR/Alpha	-251177	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr11-518	24.08986	-0.16001	0.454971	-0.35169	0.72507	0.877803	chr11	51855832	51856061	+		0	NA	Intergeni	ALR/Alpha	1446799	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr14-167	35.38487	0.132772	0.380975	0.348505	0.727461	0.880297	chr14	16770023	16770275	+		0	NA	Intergeni	ALR/Alpha	-1830968	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1232	18.18688	-0.18039	0.518747	-0.34774	0.728035	0.880376	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1768704	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4876	19.32178	0.175258	0.504285	0.347537	0.728188	0.880376	chr5	48765953	48766154	+		0	NA	Intergeni	ALR/Alpha	1675235	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-6001	20.94649	0.167473	0.483216	0.346579	0.728907	0.880621	chr7	60016928	60017133	+		0	NA	Intergeni	ALR/Alpha	2566853	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1233	41.74726	-0.12733	0.36759	-0.34639	0.729053	0.880621	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1809362	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-542	19.32235	0.175274	0.506724	0.345896	0.729421	0.880667	chr11	54221939	54222718	+		0	NA	Intergeni	ALR/Alpha	381670	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr11-534	16.57001	0.185245	0.539588	0.343308	0.731367	0.882615	chr11	53454475	53455704	+		0	NA	Intergeni	ALR/Alpha	1148909	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr20-265	18.77398	0.173826	0.50836	0.341936	0.732399	0.883398	chr20	26582314	26584211	+		0	NA	Intergeni	ALR/Alpha	-374029	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4919	20.97681	0.164743	0.482318	0.341564	0.732679	0.883398	chr5	49192139	49192355	+		0	NA	Intergeni	ALR/Alpha	1249041	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-279	25.38587	0.151574	0.445098	0.340541	0.733449	0.883552	chr20	27906140	27906625	+		0	NA	Intergeni	ALR/Alpha	696283	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr2-9254	27.01001	0.147116	0.432042	0.340512	0.733471	0.883552	chr2	92549367	92550647	+		0	NA	Intergeni	ALR/Alpha	608874	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr8-4495	24.33757	0.155515	0.457548	0.339887	0.733942	0.883719	chr8	44958124	44958435	+		0	NA	Intergeni	ALR/Alpha	1659364	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr20-298	40.95582	-0.12024	0.354842	-0.33885	0.734724	0.883928	chr20	29884986	29886222	+		0	NA	Intergeni	ALR/Alpha	-5141	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr1-1246	40.3848	0.120708	0.356307	0.338774	0.73478	0.883928	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3174211	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1230	18.77171	0.173643	0.514377	0.337579	0.73568	0.884607	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1494472	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6038	23.21165	0.155043	0.459874	0.337143	0.736009	0.884607	chr7	60383157	60383396	+		0	NA	Intergeni	ALR/Alpha	2920780	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr7-5944	21.00825	0.162104	0.482152	0.33621	0.736712	0.884898	chr7	59440249	59441443	+		0	NA	Intergeni	ALR/Alpha	1990669	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1222	35.94599	0.126226	0.375739	0.33594	0.736916	0.884898	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	757578	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-414	16.60259	0.181971	0.543626	0.334735	0.737825	0.885413	chr10	41408350	41409072	+		0	NA	Intergeni	ALR/Alpha	959334	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-246	27.65046	0.142335	0.42557	0.334457	0.738035	0.885413	chr19	24605343	24605546	+		0	NA	Intergeni	ALR/Alpha	-441997	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-412	28.22858	0.141732	0.424585	0.333814	0.73852	0.885413	chr10	41237286	41237589	+		0	NA	Intergeni	ALR/Alpha	1130608	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-403	31.50775	0.133323	0.400068	0.333251	0.738945	0.885413	chr10	40315259	40315534	+		0	NA	Intergeni	ALR/Alpha	1618800	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1251	16.60316	0.181983	0.547321	0.332498	0.739513	0.885413	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	Intergeni	3595100	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-531	18.80655	0.170928	0.514516	0.332211	0.73973	0.885413	chr11	53176513	53176728	+		0	NA	Intergeni	ALR/Alpha	1427378	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr9-6284	16.95387	-0.17834	0.537008	-0.3321	0.739815	0.885413	chr9	62841631	62844802	+		0	NA	intron (N	L1PBa|LIN	2571	NR_135010	442421	Hs.585349	NR_024496		PTGER4P2-	-	PTGER4P2-	pseudo
chr17-243	16.98645	-0.18121	0.546062	-0.33184	0.740007	0.885413	chr17	24391218	24391424	+		0	NA	Intergeni	ALR/Alpha	1868210	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-258	27.10209	0.140719	0.427722	0.328996	0.742159	0.887575	chr19	25837910	25839213	+		0	NA	Intergeni	ALR/Alpha	-1675114	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1222	18.25762	0.169252	0.515118	0.328569	0.742481	0.887575	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	734485	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-263	36.00775	0.123044	0.375403	0.327766	0.743088	0.887704	chr19	26385323	26386248	+		0	NA	Intergeni	ALR/Alpha	-1407646	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1235	74.45611	0.091281	0.279025	0.327143	0.74356	0.887704	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2030596	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-257	41.57475	0.118844	0.363321	0.327104	0.743589	0.887704	chr19	25733804	25734016	+		0	NA	Intergeni	ALR/Alpha	-1570463	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1229	39.3977	0.119043	0.366462	0.324844	0.745299	0.889346	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1413581	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	20.49189	0.157747	0.487576	0.323533	0.746292	0.890131	chr20	28521783	28527174	+		0	NA	Intergeni	ALR/Alpha	78187	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr15-170	17.53085	-0.16943	0.527569	-0.32115	0.748095	0.891445	chr15	17024484	17025930	+		0	NA	Intergeni	ALR/Alpha	-3257537	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4955	25.50882	0.142542	0.444404	0.320749	0.748401	0.891445	chr5	49553310	49553674	+		0	NA	Intergeni	ALR/Alpha	887796	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-253	27.46564	-0.13824	0.431621	-0.32029	0.74875	0.891445	chr19	25304519	25304743	+		0	NA	Intergeni	ALR/Alpha	-1141184	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9238	28.78913	0.133243	0.416396	0.319992	0.748974	0.891445	chr2	92382312	92382842	+		0	NA	Intergeni	ALR/Alpha	441444	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-403	22.72674	0.148517	0.46495	0.319426	0.749403	0.891445	chr10	40340969	40341300	+		0	NA	Intergeni	ALR/Alpha	1644538	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-534	22.72674	0.148517	0.46495	0.319426	0.749403	0.891445	chr11	53486097	53487129	+		0	NA	Intergeni	ALR/Alpha	1117385	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr7-6035	34.88409	0.121865	0.382412	0.318676	0.749972	0.891723	chr7	60350304	60350601	+		0	NA	Intergeni	ALR/Alpha	2900275	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-264	22.23171	-0.15046	0.473301	-0.3179	0.75056	0.892023	chr19	26443785	26444012	+		0	NA	Intergeni	ALR/Alpha	-1349533	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-262	18.31994	0.163161	0.515703	0.316385	0.75171	0.892988	chr19	26253320	26254787	+		0	NA	Intergeni	ALR/Alpha	-1539378	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4928	57.837	0.09766	0.309103	0.315947	0.752043	0.892988	chr5	49289584	49289859	+		0	NA	Intergeni	ALR/Alpha	1151567	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4762	18.31824	0.163001	0.517235	0.31514	0.752655	0.893317	chr5	47626413	47627515	+		0	NA	Intergeni	ALR/Alpha	-1930584	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1241	18.31768	0.162922	0.519864	0.313394	0.753982	0.894492	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2599511	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr21-798	22.7339	-0.14788	0.473834	-0.31209	0.75497	0.894868	chr21	7986712	7986940	+		0	NA	Intergeni	ALR/Alpha	-157194	NM_001369	1.03E+08		NM_001330	ENSG00000	KCNE1B	-	potassium	protein-coding
chr22-142	18.64147	-0.16068	0.514849	-0.31209	0.754971	0.894868	chr22	14225353	14225595	+		0	NA	Intergeni	ALR/Alpha	-1302685	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|(	olfactory	protein-coding
chr16-328	20.55365	0.152255	0.488608	0.311609	0.755338	0.894897	chr16	32834252	32834835	+		0	NA	Intergeni	Intergeni	50599	NR_003083	386757	Hs.433146	NM_198857	ENSG00000	SLC6A10P	CT-2|CT2|	solute ca	pseudo
chr19-270	29.42787	0.128936	0.414353	0.311174	0.755668	0.894897	chr19	27069326	27069561	+		0	NA	Intergeni	ALR/Alpha	-723988	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4813	19.9761	0.15321	0.49366	0.310355	0.756291	0.895236	chr5	48132228	48132427	+		0	NA	Intergeni	ALR/Alpha	2308961	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-248	17.16371	0.16602	0.536506	0.309447	0.756981	0.895598	chr19	24846954	24847189	+		0	NA	Intergeni	ALR/Alpha	-683624	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-255	17.77214	0.16127	0.521796	0.309068	0.75727	0.895598	chr19	25551402	25553772	+		0	NA	Intergeni	ALR/Alpha	-1389140	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-268	51.69358	0.098377	0.319432	0.307974	0.758102	0.896183	chr19	26845203	26845425	+		0	NA	Intergeni	ALR/Alpha	-948117	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr21-117	45.56944	0.103755	0.337378	0.307532	0.758438	0.896183	chr21	11724984	11725232	+		0	NA	Intergeni	ALR/Alpha	1203594	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr7-5983	18.35196	0.160074	0.521272	0.307083	0.75878	0.896189	chr7	59832961	59833170	+		0	NA	Intergeni	ALR/Alpha	2382888	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1239	23.83566	0.139642	0.455905	0.306297	0.759379	0.896498	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2436237	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4858	32.16377	0.120748	0.397149	0.304038	0.761099	0.896672	chr5	48581332	48581546	+		0	NA	Intergeni	ALR/Alpha	1859849	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1245	35.58573	0.115216	0.37944	0.303646	0.761397	0.896672	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3000513	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-180	19.21846	-0.15311	0.50424	-0.30365	0.761398	0.896672	chr18	18045567	18046650	+		0	NA	Intergeni	ALR/Alpha	-2720189	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr19-259	17.80358	0.158176	0.521803	0.303132	0.761789	0.896672	chr19	25924614	25924827	+		0	NA	Intergeni	ALR/Alpha	-1761273	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4789	17.80302	0.158128	0.521792	0.303047	0.761854	0.896672	chr5	47891967	47892252	+		0	NA	Intergeni	ALR/Alpha	-2195729	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-4374	20.39197	-0.15105	0.498859	-0.30279	0.762052	0.896672	chr9	43747845	43748141	+		0	NA	Intergeni	ALR/Alpha	621827	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr7-5953	35.58347	0.1151	0.380208	0.30273	0.762096	0.896672	chr7	59538057	59538324	+		0	NA	Intergeni	ALR/Alpha	2088013	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4918	59.53962	0.091023	0.30084	0.302564	0.762222	0.896672	chr5	49182237	49183344	+		0	NA	Intergeni	ALR/Alpha	1258498	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-369	17.22717	0.159586	0.535877	0.297802	0.765854	0.900232	chr12	36920939	36921431	+		0	NA	Intergeni	ALR/Alpha	-1395589	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCF	ALG10 alp	protein-coding
chr5-4998	31.44588	-0.11931	0.400765	-0.29771	0.765925	0.900232	chr5	49989783	49990011	+		0	NA	Intergeni	ALR/Alpha	451391	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	17.83503	0.155049	0.523796	0.29601	0.767223	0.901073	chr20	26530413	26531231	+		0	NA	Intergeni	ALR/Alpha	-321589	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1240	23.89912	0.135027	0.456832	0.295573	0.767556	0.901073	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2513066	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-288	17.25635	0.156113	0.529199	0.294999	0.767995	0.901073	chr20	28829808	28834993	+		0	NA	Intergeni	ALR/Alpha	-229735	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr8-4533	17.25635	0.156113	0.529199	0.294999	0.767995	0.901073	chr8	45337526	45337877	+		0	NA	Intergeni	ALR/Alpha	1279942	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr17-252	16.8754	-0.15759	0.541079	-0.29124	0.770865	0.904042	chr17	25257831	25258060	+		0	NA	Intergeni	ALR/Alpha	1831296	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr11-541	30.6317	0.117371	0.405509	0.28944	0.772245	0.90512	chr11	54143444	54143702	+		0	NA	Intergeni	ALR/Alpha	460425	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-260	76.36695	0.07853	0.271585	0.289153	0.772464	0.90512	chr19	26097581	26097868	+		0	NA	Intergeni	ALR/Alpha	-1695707	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9260	18.91364	0.146423	0.510018	0.287093	0.774041	0.906568	chr2	92602076	92603750	+		0	NA	Intergeni	ALR/Alpha	661780	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4792	52.95804	0.090166	0.316017	0.28532	0.775399	0.907427	chr5	47924481	47924703	+		0	NA	Intergeni	ALR/Alpha	-2228212	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1241	30.66258	0.11549	0.406521	0.284094	0.776339	0.907427	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2654403	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-245	20.09792	0.141694	0.49995	0.283416	0.776858	0.907427	chr19	24504373	24504583	+		0	NA	Intergeni	ALR/Alpha	-341031	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9292	19.5198	0.142489	0.503694	0.282887	0.777263	0.907427	chr2	92920834	92921147	+		0	NA	Intergeni	ALR/Alpha	979857	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-107	18.94395	0.143372	0.507035	0.282765	0.777357	0.907427	chr21	10760977	10763397	+		0	NA	Intergeni	ALR/Alpha	240673	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr22-114	18.94339	0.143326	0.507024	0.282681	0.777421	0.907427	chr22	11466744	11495206	+		0	NA	Intergeni	AluJb|SIN	-416431	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr21-885	17.31754	0.149602	0.529676	0.28244	0.777606	0.907427	chr21	8855596	8856112	+		0	NA	Intergeni	Intergeni	-131145	NR_128711	1.04E+08		NR_128711	ENSG00000	MIR3648-2	hsa-mir-3	microRNA	ncRNA
chr20-285	21.75691	0.134562	0.476715	0.282269	0.777738	0.907427	chr20	28509419	28513890	+		0	NA	Intergeni	ALR/Alpha	91011	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-112	16.71137	0.154306	0.546932	0.28213	0.777843	0.907427	chr21	11247503	11247764	+		0	NA	Intergeni	ALR/Alpha	726119	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr19-256	17.95457	-0.14641	0.52143	-0.28078	0.778877	0.908235	chr19	25694265	25694500	+		0	NA	Intergeni	ALR/Alpha	-1530935	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-515	16.73999	0.150599	0.537512	0.280178	0.779341	0.908378	chr11	51572757	51573863	+		0	NA	Intergeni	ALR/Alpha	1164163	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr9-4377	28.89848	0.117834	0.421374	0.279641	0.779753	0.90846	chr9	43777530	43777934	+		0	NA	Intergeni	ALR/Alpha	651566	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr10-399	16.74169	0.150791	0.54115	0.278649	0.780514	0.908947	chr10	39936598	39937584	+		0	NA	Intergeni	ALR/Alpha	1240495	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr2-9335	22.62285	-0.13029	0.468315	-0.27821	0.780854	0.908947	chr2	93356209	93356469	+		0	NA	Intergeni	ALR/Alpha	852080	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr13-172	30.69459	0.113593	0.409981	0.277069	0.781727	0.909565	chr13	17202327	17202541	+		0	NA	Intergeni	ALR/Alpha	-992863	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr1-1236	45.4122	-0.09736	0.353568	-0.27536	0.783041	0.909871	chr1	1.24E+08	1.24E+08	+		0	NA	Intergeni	ALR/Alpha	2099651	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-5004	21.20798	0.132246	0.480687	0.275119	0.783225	0.909871	chr5	50046064	50046471	+		0	NA	Intergeni	ALR/Alpha	395021	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-251	16.77143	0.147326	0.53647	0.274621	0.783607	0.909871	chr19	25134747	25136245	+		0	NA	Intergeni	ALR/Alpha	-972049	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9247	16.77143	0.147326	0.53647	0.274621	0.783607	0.909871	chr2	92473048	92474841	+		0	NA	Intergeni	ALR/Alpha	532811	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5921	24.45967	0.125382	0.457056	0.274326	0.783834	0.909871	chr7	59217246	59218144	+		0	NA	Intergeni	ALR/Alpha	1767518	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1248	60.28715	0.08189	0.299018	0.273862	0.784191	0.909871	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3366282	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-266	100.6022	0.067697	0.247967	0.273007	0.784848	0.909871	chr19	26643030	26643252	+		0	NA	Intergeni	ALR/Alpha	-1150290	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1228	64.78857	0.085433	0.313327	0.272665	0.785111	0.909871	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1346721	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-264	20.63099	0.132722	0.487893	0.272032	0.785598	0.909871	chr20	26486370	26486869	+		0	NA	Intergeni	ALR/Alpha	-277386	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4734	20.63099	0.132722	0.487893	0.272032	0.785598	0.909871	chr5	47344887	47346835	+		0	NA	Intergeni	ALR/Alpha	-1649481	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chrX-6153	31.22539	0.108336	0.40141	0.269889	0.787246	0.909871	chrX	61532172	61532508	+		0	NA	Intergeni	ALR/Alpha	1818992	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr10-405	21.24056	0.129726	0.480913	0.269749	0.787353	0.909871	chr10	40545581	40546561	+		0	NA	Intergeni	ALR/Alpha	1821974	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1227	21.23886	0.129603	0.480879	0.269514	0.787534	0.909871	chr1	1.23E+08	1.23E+08	+		0	NA	Intergeni	ALR/Alpha	1199700	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4883	23.47427	0.123358	0.458543	0.269021	0.787913	0.909871	chr5	48837674	48838561	+		0	NA	Intergeni	ALR/Alpha	1603171	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4770	16.80231	0.144013	0.536394	0.268483	0.788328	0.909871	chr5	47700238	47701140	+		0	NA	Intergeni	ALR/Alpha	-2004309	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4853	18.42759	0.138033	0.5144	0.268338	0.788439	0.909871	chr5	48538076	48539098	+		0	NA	Intergeni	ALR/Alpha	1902701	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1217	46.34671	0.090378	0.336844	0.268309	0.788462	0.909871	chr1	1.22E+08	1.22E+08	+		0	NA	Intergeni	ALR/Alpha	228525	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-276	17.3793	0.14303	0.533345	0.268175	0.788564	0.909871	chr20	27624718	27624950	+		0	NA	Intergeni	ALR/Alpha	977831	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo

chr2-9246	31.22256	0.108214	0.403808	0.267984	0.788712	0.909871	chr2	92468644	92469174	+	0	NA	Intergeni	ALR/Alpha	527776	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4946	45.76973	0.09025	0.336964	0.267833	0.788828	0.909871	chr5	49464927	49466069	+	0	NA	Intergeni	ALR/Alpha	975790	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr21-107	20.66187	0.129994	0.486278	0.267325	0.789219	0.909927	chr21	10745909	10750550	+	0	NA	Intergeni	ALR/Alpha	226715	NM_199260	7179	Hs.122986	NM_199259	ENSG00000	TPTE	CT44|PTEN	transmemb	protein-coding
chr7-5843	17.8203	0.142591	0.538349	0.264867	0.791112	0.911715	chr7	58430730	58431024	+	0	NA	Intergeni	ALR/Alpha	980700	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1242	28.34169	-0.11192	0.425062	-0.26329	0.792326	0.911923	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2687936	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-173	18.45847	0.134995	0.512762	0.263271	0.792342	0.911923	chr14	17344384	17344861	+	0	NA	Intergeni	ALR/Alpha	-1256495	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr5-4675	27.97314	0.111559	0.425629	0.262105	0.793241	0.911923	chr5	46756735	46757105	+	0	NA	Intergeni	ALR/Alpha	-1060540	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1249	38.45846	0.096367	0.368272	0.261674	0.793573	0.911923	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3393844	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9259	22.92646	0.121035	0.462862	0.261493	0.793712	0.911923	chr2	92592042	92592490	+	0	NA	Intergeni	ALR/Alpha	651133	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4835	20.69388	0.127382	0.487169	0.261474	0.793727	0.911923	chr5	48356632	48357790	+	0	NA	Intergeni	ALR/Alpha	2084077	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4666	25.16074	0.115905	0.443335	0.261438	0.793755	0.911923	chr5	46669238	46669575	+	0	NA	Intergeni	ALR/Alpha	-973026	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chrX-6139	25.16017	0.115863	0.444321	0.260764	0.794275	0.911923	chrX	61390675	61391024	+	0	NA	Intergeni	ALR/Alpha	1960483	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr7-5870	16.25508	0.141366	0.544593	0.259581	0.795187	0.911923	chr7	58706928	58708626	+	0	NA	Intergeni	ALR/Alpha	1257600	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-5975	16.25508	0.141366	0.544593	0.259581	0.795187	0.911923	chr7	59754184	59756119	+	0	NA	Intergeni	ALR/Alpha	2304974	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1241	26.78998	0.11398	0.440176	0.258942	0.79568	0.911923	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2636015	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	44.17759	0.089278	0.345373	0.258497	0.796023	0.911923	chr10	40893772	40893972	+	0	NA	Intergeni	ALR/Alpha	1474173	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-260	30.7096	0.104611	0.405335	0.258085	0.796342	0.911923	chr19	26056210	26056531	+	0	NA	Intergeni	ALR/Alpha	-1737061	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4958	19.0686	0.131615	0.510382	0.257875	0.796504	0.911923	chr5	49589268	49590194	+	0	NA	Intergeni	ALR/Alpha	851557	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-399	30.20013	-0.10762	0.41933	-0.25665	0.797447	0.911923	chr10	39965083	39965286	+	0	NA	Intergeni	ALR/Alpha	1268588	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4921	34.83923	-0.10079	0.392801	-0.25659	0.797492	0.911923	chr5	49218769	49219002	+	0	NA	Intergeni	ALR/Alpha	1222403	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr15-195	21.74105	0.124356	0.485402	0.256191	0.797803	0.911923	chr15	19527355	19527656	+	0	NA	Intergeni	ALR/Alpha	-755239	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4643	144.8113	-0.05433	0.212138	-0.2561	0.797873	0.911923	chr5	46433391	46435765	+	0	NA	Intergeni	ALR/Alpha	-738198	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4926	32.97306	0.099989	0.390774	0.255874	0.798048	0.911923	chr5	49260429	49261153	+	0	NA	Intergeni	ALR/Alpha	1180497	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-400	25.73603	0.115433	0.451356	0.255746	0.798147	0.911923	chr10	40001929	40002158	+	0	NA	Intergeni	ALR/Alpha	1305447	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr7-5879	24.0062	0.116133	0.457502	0.253842	0.799617	0.912967	chr7	58794972	58795175	+	0	NA	Intergeni	ALR/Alpha	1344896	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1229	16.28652	0.13801	0.544602	0.253414	0.799948	0.912967	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1388368	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5956	16.28539	0.137905	0.54458	0.253231	0.800089	0.912967	chr6	59561812	59562487	+	0	NA	Intergeni	ALR/Alpha	-1600703	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-146	17.29855	-0.13397	0.531466	-0.25208	0.80098	0.913224	chr22	14655244	14655516	+	0	NA	Intergeni	ALR/Alpha	-872779	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr15-170	29.69275	0.104088	0.415062	0.250778	0.801986	0.913224	chr15	17009112	17009372	+	0	NA	Intergeni	ALR/Alpha	-3273502	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1238	29.11464	0.104023	0.415027	0.250642	0.802091	0.913224	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2371184	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-286	53.73815	0.078878	0.315214	0.250236	0.802405	0.913224	chr20	28643719	28646096	+	0	NA	Intergeni	ALR/Alpha	-42242	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr17-266	36.31683	0.093603	0.375244	0.249446	0.803016	0.913224	chr17	26624975	26626420	+	0	NA	Intergeni	ALR/Alpha	463544	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1234	48.15897	0.082881	0.332767	0.249066	0.80331	0.913224	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1949635	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-270	43.08255	0.086192	0.346193	0.24897	0.803384	0.913224	chr19	27091437	27092983	+	0	NA	Intergeni	ALR/Alpha	-701221	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4750	36.38632	-0.09431	0.379675	-0.2484	0.803828	0.913224	chr5	47500844	47501061	+	0	NA	Intergeni	ALR/Alpha	-1804572	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-9192	17.94325	0.129382	0.521561	0.248066	0.804083	0.913224	chr3	91926218	91926445	+	0	NA	Intergeni	ALR/Alpha	2047750	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr16-225	16.65924	-0.13544	0.547091	-0.24756	0.804474	0.913224	chr16	22570444	22571468	+	0	NA	intron (N	intron (N	25258	NR_003676	653786	Hs.564945	NR_003676	ENSG00000	OTOAP1	-	OTOA pseu	pseudo
chr1-1230	24.82625	-0.11083	0.448101	-0.24734	0.804648	0.913224	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1512645	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-347	16.31684	0.13455	0.544359	0.247172	0.804775	0.913224	chr12	34792872	34793217	+	0	NA	Intergeni	ALR/Alpha	770548	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr2-9285	17.94381	0.129459	0.523766	0.24717	0.804776	0.913224	chr2	92854553	92855098	+	0	NA	Intergeni	ALR/Alpha	913692	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4801	16.89382	0.133742	0.543205	0.24621	0.80552	0.913642	chr5	48013865	48014073	+	0	NA	Intergeni	ALR/Alpha	-2317589	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-9109	16.3157	0.134416	0.54684	0.245805	0.805833	0.913642	chr3	91094176	91094707	+	0	NA	Intergeni	ALR/Alpha	1986820	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr2-9300	23.68588	-0.11255	0.45872	-0.24536	0.806175	0.913642	chr2	93003783	93004042	+	0	NA	Intergeni	ALR/Alpha	1062779	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr21-122	26.57448	-0.10689	0.436594	-0.24482	0.806597	0.913731	chr21	12226333	12226569	+	0	NA	Intergeni	ALR/Alpha	-811715	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-292	58.19027	0.074104	0.303345	0.24429	0.807007	0.913806	chr20	29261791	29263962	+	0	NA	Intergeni	ALR/Alpha	154085	NR_037925	647476	Hs.274541	NR_037925		FRG2EP	-	FSHD regi	pseudo
chr1-1218	17.973	0.12617	0.519164	0.243026	0.807985	0.914435	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	367576	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-403	19.01647	-0.12349	0.508831	-0.24269	0.808249	0.914435	chr10	40394902	40395159	+	0	NA	Intergeni	ALR/Alpha	1698434	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-299	16.34828	0.131154	0.546397	0.240034	0.810304	0.91599	chr20	29913494	29913797	+	0	NA	Intergeni	ALR/Alpha	-33182	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr5-4702	21.864	0.113644	0.47383	0.239842	0.810452	0.91599	chr5	47026869	47027926	+	0	NA	Intergeni	ALR/Alpha	-1331017	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4890	17.23849	-0.12771	0.533044	-0.23958	0.810657	0.91599	chr5	48907973	48908665	+	0	NA	Intergeni	ALR/Alpha	1532969	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1224	27.99098	0.101793	0.425918	0.238996	0.811108	0.916112	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	885214	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5900	17.39544	0.126526	0.531297	0.238145	0.811768	0.916187	chr7	59006670	59006977	+	0	NA	Intergeni	ALR/Alpha	1556646	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9236	17.39488	0.12649	0.531859	0.237827	0.812015	0.916187	chr2	92367793	92369828	+	0	NA	Intergeni	ALR/Alpha	427677	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9225	22.47243	0.111191	0.46802	0.237578	0.812208	0.916187	chr2	92253752	92254750	+	0	NA	Intergeni	ALR/Alpha	313118	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1240	20.23702	0.116386	0.493856	0.235669	0.81369	0.91747	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2577872	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4948	37.0179	0.08761	0.372729	0.235051	0.814169	0.917621	chr5	49485151	49485373	+	0	NA	Intergeni	ALR/Alpha	956026	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5928	44.28468	0.079318	0.341881	0.232004	0.816535	0.919898	chr7	59284675	59285076	+	0	NA	Intergeni	ALR/Alpha	1834698	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-409	24.1606	0.104396	0.451883	0.231023	0.817297	0.920001	chr10	40975109	40976165	+	0	NA	Intergeni	ALR/Alpha	1392408	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-407	42.62852	0.080546	0.34869	0.230996	0.817318	0.920001	chr10	40736163	40736461	+	0	NA	Intergeni	ALR/Alpha	1631733	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-194	18.61457	0.119787	0.522022	0.229467	0.818506	0.920815	chr15	19417277	19417603	+	0	NA	Intergeni	ALR/Alpha	-865304	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr1-1246	28.84134	-0.09555	0.417154	-0.22905	0.818827	0.920815	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3144887	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-259	43.70486	0.078921	0.34504	0.228729	0.819079	0.920815	chr19	25929932	25930244	+	0	NA	Intergeni	ALR/Alpha	-1766641	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1242	98.78433	0.057213	0.251023	0.22792	0.819709	0.921134	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2718587	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-254	22.45571	-0.1071	0.472252	-0.22678	0.820592	0.921737	chr19	25436960	25437336	+	0	NA	Intergeni	ALR/Alpha	-1273701	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4940	16.67624	-0.12356	0.547383	-0.22572	0.821418	0.922275	chr5	49405855	49406138	+	0	NA	Intergeni	ALR/Alpha	1035292	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr8-4583	21.34707	0.108323	0.480871	0.225264	0.821774	0.922286	chr8	45831478	45831747	+	0	NA	Intergeni	ALR/Alpha	786031	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr12-348	27.06053	-0.09655	0.430057	-0.22451	0.822361	0.92251	chr12	34892195	34892454	+	0	NA	Intergeni	ALR/Alpha	869828	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr3-9183	32.0021	0.088956	0.396971	0.224087	0.82269	0.92251	chr3	91835551	91835859	+	0	NA	Intergeni	ALR/Alpha	2138376	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr17-232	77.41138	0.061371	0.274777	0.223349	0.823264	0.92251	chr17	23255947	23256199	+	0	NA	Intergeni	ALR/Alpha	732962	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-432	17.48865	0.116952	0.526334	0.222201	0.824157	0.92251	chr17	43288086	43289096	+	0	NA	Intergeni	AluJb|SIN	-4262	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr5-5013	17.48752	0.116853	0.526312	0.222023	0.824296	0.92251	chr5	50137505	50145194	+	0	NA	Intergeni	ALR/Alpha	299939	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-285	29.76839	0.090937	0.409672	0.221974	0.824334	0.92251	chr20	28515086	28515439	+	0	NA	Intergeni	ALR/Alpha	87403	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr21-122	23.61167	0.101658	0.458464	0.221737	0.824519	0.92251	chr21	12247978	12248388	+	0	NA	Intergeni	ALR/Alpha	-789983	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr15-191	21.9589	0.106111	0.479217	0.221426	0.82476	0.92251	chr15	19112832	19113034	+	0	NA	Intergeni	ALR/Alpha	-1169811	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr5-4896	23.11457	0.105863	0.479614	0.220726	0.825306	0.92251	chr5	48962019	48962232	+	0	NA	Intergeni	ALR/Alpha	1479163	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-536	21.37795	0.105693	0.479395	0.220472	0.825503	0.92251	chr11	53691005	53691268	+	0	NA	Intergeni	ALR/Alpha	912862	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-412	25.87852	0.096272	0.437387	0.220108	0.825787	0.92251	chr10	41250126	41250665	+	0	NA	Intergeni	ALR/Alpha	1117650	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4931	37.00146	0.081863	0.375177	0.218198	0.827275	0.923686	chr5	49318620	49318880	+	0	NA	Intergeni	ALR/Alpha	1122538	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4917	27.61118	0.096331	0.442311	0.21779	0.827593	0.923686	chr5	49177635	49177835	+	0	NA	Intergeni	ALR/Alpha	1263553	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1236	37.99658	-0.08014	0.368576	-0.21742	0.827881	0.923686	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2146117	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-529	17.5201	0.113824	0.52804	0.215559	0.829332	0.924781	chr11	52961869	52962135	+	0	NA	Intergeni	ALR/Alpha	1641996	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-266	16.61448	-0.11707	0.543818	-0.21527	0.829558	0.924781	chr19	26675496	26677143	+	0	NA	Intergeni	ALR/Alpha	-1117112	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1224	19.17512	0.107744	0.503661	0.213923	0.830607	0.925564	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	918021	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	32.21542	-0.08393	0.396001	-0.21193	0.832158	0.926904	chr19	26958351	26958557	+	0	NA	Intergeni	ALR/Alpha	-834977	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4902	71.04868	-0.06258	0.298948	-0.20935	0.834175	0.928322	chr5	49027213	49027434	+	0	NA	Intergeni	ALR/Alpha	1413965	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-411	19.78582	0.105235	0.502845	0.209279	0.83423	0.928322	chr10	41131045	41131285	+	0	NA	Intergeni	ALR/Alpha	1236880	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-265	51.74694	0.069842	0.334231	0.208962	0.834478	0.928322	chr19	26505417	26505643	+	0	NA	Intergeni	ALR/Alpha	-1287901	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-5855	39.36096	0.074987	0.360409	0.208062	0.835181	0.928715	chr7	58552534	58552875	+	0	NA	Intergeni	ALR/Alpha	1102527	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-407	16.97116	0.110253	0.534804	0.206156	0.836669	0.929593	chr10	40726886	40727140	+	0	NA	Intergeni	ALR/Alpha	1641032	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-283	16.97116	0.110253	0.534804	0.206156	0.836669	0.929593	chr20	28303711	28304282	+	0	NA	Intergeni	ALR/Alpha	298669	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr7-5943	23.12845	0.094225	0.460999	0.204393	0.838046	0.930597	chr7	59432022	59433965	+	0	NA	Intergeni	ALR/Alpha	1982816	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr13-166	22.51832	0.0962	0.471327	0.204105	0.838271	0.930597	chr13	16624868	16625366	+	0	NA	Intergeni	ALR/Alpha	-1570180	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-271	25.79777	-0.08908	0.439093	-0.20287	0.839234	0.931277	chr19	27152820	27153185	+	0	NA	Intergeni	ALR/Alpha	-640429	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-415	20.89361	0.097481	0.483397	0.201659	0.840183	0.931879	chr10	41553292	41553753	+	0	NA	Intergeni	ALR/Alpha	814523	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4869	23.73745	0.092289	0.459325	0.200923	0.840759	0.931879	chr5	48692741	48692956	+	0	NA	Intergeni	ALR/Alpha	1748440	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-522	25.19047	-0.09085	0.45236	-0.20084	0.840827	0.931879	chr11	52254165	52254380	+	0	NA	Intergeni	ALR/Alpha	1845125	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1216	18.65933	0.101552	0.510639	0.198872	0.842363	0.932996	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	120800	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4946	40.50189	0.070648	0.356082	0.198404	0.842729	0.932996	chr5	49467892	49468145	+	0	NA	Intergeni	ALR/Alpha	973270	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9256	16.52014	-0.10764	0.543106	-0.1982	0.842887	0.932996	chr2	92560611	92562603	+	0	NA	Intergeni	ALR/Alpha	620474	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr8-4539	18.65763	0.101466	0.515307	0.196904	0.843903	0.933732	chr8	45394258	45394620	+	0	NA	Intergeni	ALR/Alpha	1223204	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr19-246	20.31436	0.097027	0.496416	0.195455	0.845037	0.934598	chr19	24667533	24667745	+	0	NA	Intergeni	ALR/Alpha	-504192	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-122	17.03349	0.1038	0.533543	0.194549	0.845746	0.934994	chr22	12200090	12200451	+	0	NA	Intergeni	HERVK9-ir	302864	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-255	18.69134	0.098689	0.511586	0.192907	0.847032	0.935865	chr19	25561703	25562919	+	0	NA	Intergeni	ALR/Alpha	-1398864	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-267	58.61331	-0.05825	0.302389	-0.19264	0.847237	0.935865	chr19	26781747	26782856	+	0	NA	Intergeni	ALR/Alpha	-1011130	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1249	20.3475	0.094364	0.492228	0.191707	0.847972	0.936179	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3415162	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-123	23.48503	-0.08814	0.46086	-0.19125	0.84833	0.936179	chr22	12380833	12381087	+	0	NA	Intergeni	ALR/Alpha	483554	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-267	36.16761	-0.07178	0.375961	-0.19093	0.848577	0.936179	chr19	26797070	26797297	+	0	NA	Intergeni	ALR/Alpha	-996248	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-262	18.72109	0.095637	0.509168	0.18783	0.85101	0.93807	chr19	26202236	26204858	+	0	NA	Intergeni	ALR/Alpha	-1589884	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-263	18.72052	0.095588	0.509671	0.187549	0.85123	0.93807	chr19	26375081	26376382	+	0	NA	Intergeni	ALR/Alpha	-1417700	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-271	34.38963	-0.0712	0.384375	-0.18523	0.853049	0.93807	chr19	27175560	27176619	+	0	NA	Intergeni	ALR/Alpha	-617342	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9235	16.48681	0.099998	0.54081	0.184905	0.853304	0.93807	chr2	92355221	92356077	+	0	NA	Intergeni	ALR/Alpha	414516	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4752	16.48738	0.100052	0.54144	0.184788	0.853395	0.93807	chr5	47524008	47525245	+	0	NA	Intergeni	ALR/Alpha	-1828246	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-6282	16.48738	0.100052	0.54144	0.184788	0.853395	0.93807	chr9	62824212	62828163	+	0	NA	Intergeni	L1PA6|LIN	12159	NR_135128	1E+08	Hs.536982	NR_135128		LOC100132	-	uncharact	ncRNA
chr5-4806	22.64411	0.086397	0.467779	0.184696	0.853468	0.93807	chr5	48068303	48068578	+	0	NA	Intergeni	ALR/Alpha	-2372060	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4985	26.0638	0.082784	0.448588	0.184543	0.853588	0.93807	chr5	49851659	49851899	+	0	NA	Intergeni	ALR/Alpha	589509	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-264	18.10983	0.098145	0.532129	0.184438	0.85367	0.93807	chr19	26457057	26460325	+	0	NA	Intergeni	ALR/Alpha	-1334740	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-5061	16.48795	0.100108	0.543323	0.184251	0.853817	0.93807	chr4	50616808	50617045	+	0	NA	Intergeni	ALR/Alpha	-1226074	NM_001287	23142	Hs.605388	NM_015115	ENSG00000	DCUN1D4	-	defective	protein-coding
chr19-250	17.09581	0.097248	0.537226	0.181019	0.856353	0.940013	chr19	25010619	25010918	+	0	NA	Intergeni	ALR/Alpha	-847321	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1242	34.43724	0.069417	0.38386	0.18084	0.856493	0.940013	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2716592	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4850	17.09638	0.097266	0.538433	0.180647	0.856645	0.940013	chr5	48500661	48501011	+	0	NA	Intergeni	ALR/Alpha	1940452	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-229	18.1458	0.095404	0.529635	0.180132	0.857049	0.940069	chr17	22933810	22934102	+	0	NA	Intergeni	ALR/Alpha	410845	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr5-4919	38.39057	0.065158	0.36485	0.17859	0.85826	0.940789	chr5	49197596	49197809	+	0	NA	Intergeni	ALR/Alpha	1243586	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding

chr2-9292	16.51939	0.096785	0.546414	0.177127	0.859409	0.940789	chr2	92926924	92927177	+	0	NA	Intergeni	ALR/Alpha	985917	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9293	17.03707	-0.09437	0.534007	-0.17671	0.859733	0.940789	chr2	92934719	92935768	+	0	NA	Intergeni	ALR/Alpha	994110	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-256	22.0963	0.083122	0.471472	0.176303	0.860056	0.940789	chr19	25618814	25619063	+	0	NA	Intergeni	ALR/Alpha	-1455491	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1242	20.43901	0.086097	0.488582	0.176217	0.860123	0.940789	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2703141	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	20.44014	0.086178	0.489514	0.176047	0.860257	0.940789	chr20	28552122	28554482	+	0	NA	Intergeni	ALR/Alpha	49363	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr10-407	18.78285	0.089703	0.510941	0.175563	0.860637	0.940789	chr10	40766237	40766510	+	0	NA	Intergeni	ALR/Alpha	1601672	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4977	28.61074	-0.07345	0.41883	-0.17538	0.860781	0.940789	chr5	49773885	49774099	+	0	NA	Intergeni	ALR/Alpha	667296	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1245	28.03602	-0.07669	0.437614	-0.17524	0.860888	0.940789	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3007699	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	38.42145	0.063673	0.36533	0.174289	0.861638	0.94098	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3218506	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-532	73.32499	0.048085	0.276159	0.174122	0.86177	0.94098	chr11	53207336	53207594	+	0	NA	Intergeni	ALR/Alpha	1396533	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1244	18.75555	-0.08731	0.510339	-0.17108	0.864159	0.943202	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2899093	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-265	22.12548	0.080496	0.471952	0.17056	0.864569	0.943263	chr19	26507466	26507949	+	0	NA	Intergeni	ALR/Alpha	-1285724	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1229	27.23618	0.074	0.436452	0.169549	0.865365	0.943589	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1476114	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4949	39.53037	0.060953	0.360074	0.169279	0.865577	0.943589	chr5	49499145	49499382	+	0	NA	Intergeni	ALR/Alpha	942025	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-406	29.99956	0.068529	0.409083	0.167518	0.866962	0.944207	chr10	40647454	40647743	+	0	NA	Intergeni	ALR/Alpha	1720447	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-538	19.36398	-0.08451	0.504639	-0.16747	0.867002	0.944207	chr11	53899298	53899743	+	0	NA	Intergeni	ALR/Alpha	704478	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1226	19.86447	-0.08392	0.501915	-0.16721	0.867209	0.944207	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1175737	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9328	27.12484	0.072412	0.43647	0.165904	0.868233	0.94491	chr2	93286111	93286611	+	0	NA	Intergeni	ALR/Alpha	922058	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr5-4652	26.33	-0.07349	0.444108	-0.16548	0.868565	0.94491	chr5	46524135	46524408	+	0	NA	Intergeni	ALR/Alpha	-827891	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr14-170	20.5019	0.080717	0.491273	0.164302	0.869494	0.945534	chr14	17064963	17065193	+	0	NA	Intergeni	ALR/Alpha	-1536039	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr1-1249	27.76642	0.069044	0.422929	0.163251	0.870321	0.946047	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3386901	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-265	23.23667	0.075065	0.463701	0.161883	0.871398	0.946832	chr19	26502230	26502616	+	0	NA	Intergeni	ALR/Alpha	-1291008	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4957	22.18951	0.075626	0.472478	0.160063	0.872831	0.948002	chr5	49572659	49574944	+	0	NA	Intergeni	ALR/Alpha	867487	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1231	72.3918	-0.04622	0.290524	-0.15908	0.873606	0.948455	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1601279	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4459	27.79843	0.067096	0.424055	0.158225	0.874279	0.9488	chr8	44594356	44595530	+	0	NA	Intergeni	ALR/Alpha	1302501	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1248	19.34567	0.078769	0.503457	0.156457	0.875673	0.949896	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3343248	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	31.75063	0.062189	0.398548	0.156038	0.876003	0.949896	chr20	28528750	28529027	+	0	NA	Intergeni	ALR/Alpha	73777	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4989	19.30392	-0.07884	0.509338	-0.15479	0.876986	0.950571	chr5	49896724	49897010	+	0	NA	Intergeni	ALR/Alpha	544421	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-405	27.21861	0.066089	0.428201	0.154342	0.87734	0.950571	chr10	40507780	40508164	+	0	NA	Intergeni	ALR/Alpha	1811376	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4890	21.01958	-0.07401	0.483318	-0.15313	0.878295	0.951218	chr5	48902732	48903115	+	0	NA	Intergeni	ALR/Alpha	1538365	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-6137	19.27078	-0.07624	0.503077	-0.15154	0.879546	0.952186	chr7	61378519	61379499	+	0	NA	Intergeni	ALR/Alpha	1925047	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr3-9115	25.59578	-0.06662	0.441611	-0.15085	0.880096	0.952394	chr3	91152293	91152514	+	0	NA	Intergeni	ALR/Alpha	2044782	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr1-1249	55.35813	0.046844	0.311619	0.150323	0.88051	0.952454	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3402739	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-260	50.93519	0.048239	0.322406	0.149622	0.881063	0.952665	chr19	26024094	26024311	+	0	NA	Intergeni	ALR/Alpha	-1769229	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chrX-6065	33.03537	-0.05904	0.403481	-0.14632	0.883669	0.954061	chrX	60654455	60654909	+	0	NA	Intergeni	ALR/Alpha	2696650	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr10-411	32.8893	0.057151	0.391698	0.145905	0.883996	0.954061	chr10	41117444	41118079	+	0	NA	Intergeni	ALR/Alpha	1250284	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr14-106	19.2399	-0.07347	0.503999	-0.14577	0.884105	0.954061	chr14	1.07E+08	1.07E+08	+	0	NA	Intergeni	Intergeni	98598	NR_049827	1.01E+08		NR_049827	ENSG00000	MIR5195	-	microRNA	ncRNA
chr5-4729	26.67364	0.063235	0.434715	0.145462	0.884346	0.954061	chr5	47299167	47299399	+	0	NA	Intergeni	ALR/Alpha	-1602903	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr2-9251	17.14114	0.077454	0.534104	0.145017	0.884697	0.954061	chr2	92516603	92517825	+	0	NA	Intergeni	ALR/Alpha	576081	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9304	18.6326	-0.07551	0.522232	-0.14458	0.88504	0.954061	chr2	93049894	93050876	+	0	NA	Intergeni	ALR/Alpha	1109252	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-270	17.7507	0.075606	0.523141	0.144524	0.885087	0.954061	chr19	27095956	27096787	+	0	NA	Intergeni	ALR/Alpha	-697060	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-6060	17.14057	0.077444	0.536492	0.144352	0.885223	0.954061	chr9	60602817	60603293	+	0	NA	Intergeni	ALR/Alpha	-311352	NM_015667	26165	Hs.123004	NM_015667	ENSG00000	SPATA31A7	AEP1|C9or	SPATA31 s	protein-coding
chr2-9258	27.28452	-0.06147	0.42798	-0.14362	0.885799	0.954296	chr2	92588763	92589501	+	0	NA	Intergeni	ALR/Alpha	647999	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1229	92.16148	0.035756	0.250617	0.142673	0.886548	0.954458	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1392312	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4957	103.3646	0.033965	0.239752	0.141668	0.887342	0.954458	chr5	49576831	49577101	+	0	NA	Intergeni	ALR/Alpha	864322	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-517	21.0939	0.06825	0.482022	0.14159	0.887404	0.954458	chr11	51704395	51705514	+	0	NA	Intergeni	ALR/Alpha	1295807	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr7-5978	21.0939	0.06825	0.482022	0.14159	0.887404	0.954458	chr7	59785771	59786034	+	0	NA	Intergeni	ALR/Alpha	2335725	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1243	58.79624	0.043167	0.305803	0.141161	0.887743	0.954458	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2857752	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5975	18.82987	0.07191	0.511562	0.140569	0.888211	0.954575	chr7	59758710	59760640	+	0	NA	Intergeni	ALR/Alpha	2309498	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-6052	25.04723	0.061973	0.443914	0.139606	0.888972	0.955007	chr7	60520974	60523081	+	0	NA	Intergeni	ALR/Alpha	2782029	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr19-249	43.59078	0.047964	0.346076	0.138593	0.889772	0.9553	chr19	24932780	24932984	+	0	NA	Intergeni	ALR/Alpha	-769435	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-119	31.32936	-0.05547	0.400929	-0.13835	0.889962	0.9553	chr21	11984154	11984372	+	0	NA	Intergeni	ALR/Alpha	-1053903	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr21-803	20.04674	0.068522	0.499268	0.137245	0.890837	0.955854	chr21	8032086	8032302	+	0	NA	Intergeni	ALR/Alpha	-165426	NR_038958	1.01E+08	Hs.426704	NR_038958		LOC100507	-	uncharact	ncRNA
chr20-265	19.46862	0.067342	0.500884	0.134446	0.89305	0.957842	chr20	26562441	26563171	+	0	NA	Intergeni	ALR/Alpha	-353573	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr9-4373	18.06695	-0.07039	0.525684	-0.13389	0.893486	0.957923	chr9	43731773	43732086	+	0	NA	Intergeni	ALR/Alpha	605763	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr11-512	27.83119	-0.05621	0.423049	-0.13288	0.894291	0.958401	chr11	51264609	51264866	+	0	NA	Intergeni	ALR/Alpha	855590	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4876	22.64826	-0.0623	0.47565	-0.13098	0.895793	0.959624	chr5	48761172	48761448	+	0	NA	Intergeni	ALR/Alpha	1679978	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4877	18.89163	0.066012	0.507772	0.130002	0.896565	0.959625	chr5	48775563	48776854	+	0	NA	Intergeni	ALR/Alpha	1665080	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1248	28.45219	0.054311	0.418521	0.129769	0.896749	0.959625	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3364996	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-233	16.92828	-0.06971	0.537816	-0.12961	0.896876	0.959625	chr17	23300189	23300407	+	0	NA	Intergeni	ALR/Alpha	777187	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr21-820	53.74843	0.041049	0.319621	0.128431	0.897808	0.959992	chr21	8202682	8203996	+	0	NA	intron (N	L1MC4|LIN	-1976	NR_106782	1.02E+08		NR_106782	ENSG00000	MIR6724-1	MIR6724|h	microRNA	ncRNA
chr19-259	22.8444	0.059482	0.464292	0.128113	0.89806	0.959992	chr19	25956142	25957298	+	0	NA	Intergeni	ALR/Alpha	-1793273	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-265	19.49837	0.064333	0.505104	0.127365	0.898651	0.959992	chr20	26585738	26586006	+	0	NA	Intergeni	ALR/Alpha	-376639	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4790	34.09614	-0.04936	0.387604	-0.12735	0.898662	0.959992	chr5	47903698	47903901	+	0	NA	Intergeni	ALR/Alpha	-2207419	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-513	17.23661	0.068047	0.537379	0.126628	0.899235	0.960218	chr11	51372390	51372662	+	0	NA	Intergeni	ALR/Alpha	963379	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1244	35.78186	0.047808	0.380295	0.125713	0.899959	0.960378	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2950659	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1239	18.92251	0.063107	0.507086	0.124449	0.900959	0.960378	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2451187	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-192	18.92251	0.063107	0.507086	0.124449	0.900959	0.960378	chr15	19226162	19226420	+	0	NA	Intergeni	ALR/Alpha	-1056453	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr20-285	18.92138	0.063014	0.507063	0.124273	0.901099	0.960378	chr20	28530779	28533213	+	0	NA	Intergeni	ALR/Alpha	70669	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1237	18.92308	0.063153	0.508643	0.124159	0.901189	0.960378	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2278963	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9112	31.84515	-0.04927	0.398311	-0.12369	0.901563	0.960392	chr3	91126943	91127440	+	0	NA	Intergeni	ALR/Alpha	2019570	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr2-9267	22.87414	0.05699	0.463462	0.122966	0.902134	0.960556	chr2	92677643	92678079	+	0	NA	Intergeni	ALR/Alpha	736728	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr16-377	24.32963	-0.05717	0.4664	-0.12258	0.902439	0.960556	chr16	37749960	37750295	+	0	NA	Intergeni	ALR/Alpha	2003575	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr17-244	48.77882	0.039955	0.328596	0.121594	0.903221	0.961004	chr17	24492014	24492280	+	0	NA	Intergeni	ALR/Alpha	1969036	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1245	16.25696	-0.06592	0.552278	-0.11936	0.90499	0.962019	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3056298	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-162	18.34496	0.061621	0.517735	0.11902	0.90526	0.962019	chr14	16217514	16217768	+	0	NA	Intergeni	ALR/Alpha	-2383476	NM_001013	440153	Hs.534880	NM_001013	ENSG00000	OR11H12	-	olfactory	protein-coding
chr2-9272	18.34496	0.061621	0.517735	0.11902	0.90526	0.962019	chr2	92726049	92726388	+	0	NA	Intergeni	ALR/Alpha	785085	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4933	16.68767	0.06303	0.537954	0.117166	0.906729	0.962798	chr5	49332338	49332884	+	0	NA	Intergeni	ALR/Alpha	1108677	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-404	17.29667	0.061518	0.532845	0.115451	0.908088	0.962798	chr10	40447224	40448458	+	0	NA	Intergeni	ALR/Alpha	1751245	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr20-285	18.58558	-0.05906	0.512266	-0.1153	0.90821	0.962798	chr20	28541872	28543877	+	0	NA	Intergeni	ALR/Alpha	59791	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4800	90.17367	0.029608	0.257708	0.114891	0.908531	0.962798	chr5	48001520	48001806	+	0	NA	Intergeni	ALR/Alpha	-2305283	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-256	107.5817	0.027023	0.235919	0.114545	0.908806	0.962798	chr19	25601050	25601304	+	0	NA	Intergeni	ALR/Alpha	-1437730	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-409	51.35749	-0.03737	0.329026	-0.11358	0.909574	0.962798	chr10	40973814	40974124	+	0	NA	Intergeni	ALR/Alpha	1394076	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4661	84.46077	0.029556	0.260719	0.113364	0.909742	0.962798	chr5	46617310	46617696	+	0	NA	Intergeni	ALR/Alpha	-921123	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1247	18.37414	0.058451	0.515704	0.113341	0.90976	0.962798	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3274571	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr15-170	20.3018	-0.05573	0.493721	-0.11287	0.910132	0.962798	chr15	17093382	17093598	+	0	NA	Intergeni	ALR/Alpha	-3189254	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr2-9265	16.83621	-0.06015	0.536488	-0.11212	0.91073	0.962798	chr2	92651859	92653815	+	0	NA	Intergeni	ALR/Alpha	711704	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9367	16.71912	0.059813	0.538061	0.111165	0.911486	0.962798	chr2	93675183	93675434	+	0	NA	Intergeni	ALR/Alpha	533111	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-269	34.21664	0.042746	0.385966	0.11075	0.911815	0.962798	chr19	26924425	26925725	+	0	NA	Intergeni	ALR/Alpha	-868356	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4947	20.67131	0.053714	0.486458	0.110419	0.912077	0.962798	chr5	49479029	49480033	+	0	NA	Intergeni	ALR/Alpha	961757	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4774	20.67075	0.053672	0.486447	0.110334	0.912144	0.962798	chr5	47741355	47743093	+	0	NA	Intergeni	ALR/Alpha	-2045844	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4869	17.9051	0.059309	0.53871	0.110094	0.912335	0.962798	chr5	48691538	48691772	+	0	NA	Intergeni	ALR/Alpha	1749633	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4815	18.553	-0.05632	0.514163	-0.10954	0.912773	0.962798	chr5	48157022	48157555	+	0	NA	Intergeni	ALR/Alpha	2284000	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-271	52.40239	-0.03479	0.317774	-0.10949	0.912817	0.962798	chr19	27187517	27187794	+	0	NA	Intergeni	ALR/Alpha	-605776	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-512	26.31055	0.047239	0.434167	0.108803	0.913359	0.962798	chr11	51266167	51266434	+	0	NA	Intergeni	ALR/Alpha	857153	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr15-189	38.01689	-0.03996	0.368267	-0.10852	0.913587	0.962798	chr15	18910928	18911443	+	0	NA	Intergeni	ALR/Alpha	-1371559	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr7-5916	26.56844	-0.04707	0.434593	-0.1083	0.913759	0.962798	chr7	59163120	59164095	+	0	NA	Intergeni	ALR/Alpha	1713430	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-5003	28.9285	-0.04619	0.427454	-0.10806	0.913948	0.962798	chr5	50031670	50031890	+	0	NA	Intergeni	ALR/Alpha	409508	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1236	18.40672	0.055603	0.514582	0.108054	0.913953	0.962798	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2121279	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4863	18.40446	0.05542	0.516701	0.107257	0.914585	0.962951	chr5	48633171	48633407	+	0	NA	Intergeni	ALR/Alpha	1807999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9234	16.80533	-0.05697	0.537814	-0.10594	0.915633	0.962951	chr2	92349336	92350156	+	0	NA	Intergeni	ALR/Alpha	408613	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4833	53.48269	-0.03343	0.316583	-0.10559	0.915906	0.962951	chr5	48330460	48330704	+	0	NA	Intergeni	ALR/Alpha	2110706	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9299	20.0932	0.052029	0.492949	0.105546	0.915942	0.962951	chr2	92994226	92995894	+	0	NA	Intergeni	ALR/Alpha	1053927	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1247	33.64192	0.041835	0.398525	0.104974	0.916397	0.962951	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3200768	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1237	30.29363	0.042807	0.40831	0.104839	0.916504	0.962951	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2256407	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-185	16.75113	0.056589	0.543518	0.104116	0.917077	0.962951	chr18	18533091	18533414	+	0	NA	Intergeni	ALR/Alpha	2578561	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-260	18.52325	-0.05334	0.513008	-0.10398	0.917182	0.962951	chr19	26003948	26004172	+	0	NA	Intergeni	ALR/Alpha	-1789371	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-6148	17.4132	-0.05481	0.529988	-0.10342	0.917629	0.962951	chr7	61480719	61481038	+	0	NA	Intergeni	ALR/Alpha	1823178	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr7-6074	21.7808	0.049126	0.475517	0.103311	0.917716	0.962951	chr7	60748506	60749547	+	0	NA	Intergeni	ALR/Alpha	2555030	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr2-9238	20.24173	-0.05028	0.491785	-0.10225	0.918559	0.963455	chr2	92380107	92380992	+	0	NA	Intergeni	ALR/Alpha	439416	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-246	23.2091	-0.04782	0.476061	-0.10046	0.919982	0.964568	chr19	24642615	24642885	+	0	NA	Intergeni	ALR/Alpha	-479303	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-6382	16.17075	0.054392	0.548014	0.099253	0.920938	0.964769	chr9	63828164	63828793	+	0	NA	Intergeni	Intergeni	-8824	NR_039688	1.01E+08		NR_039688	ENSG00000	MIR4477A	-	microRNA	ncRNA
chr8-4533	63.54185	0.029267	0.296422	0.098733	0.92135	0.964769	chr8	45331545	45331869	+	0	NA	Intergeni	ALR/Alpha	1285936	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr7-6030	34.16989	0.038353	0.389615	0.098439	0.921584	0.964769	chr7	60301562	60301896	+	0	NA	Intergeni	ALR/Alpha	2851552	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-265	26.37174	0.042943	0.436469	0.098388	0.921625	0.964769	chr20	26511693	26512029	+	0	NA	Intergeni	ALR/Alpha	-302628	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-247	27.45375	0.042114	0.431799	0.097531	0.922305	0.965101	chr19	24765049	24765344	+	0	NA	Intergeni	ALR/Alpha	-601749	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-265	17.85892	0.050641	0.522359	0.096947	0.922768	0.965207	chr20	26565747	26566522	+	0	NA	Intergeni	ALR/Alpha	-356901	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-265	25.39889	-0.04343	0.450463	-0.09642	0.923185	0.965264	chr19	26560476	26560702	+	0	NA	Intergeni	ALR/Alpha	-1232842	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4711	30.82783	0.039101	0.407791	0.095886	0.923611	0.96533	chr5	47111223	47111589	+	0	NA	Intergeni	ALR/Alpha	-1415026	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-9338	46.01449	-0.03204	0.336283	-0.09527	0.924098	0.965394	chr3	93381714	93382009	+	0	NA	Intergeni	ALR/Alpha	592220	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr10-411	20.21255	-0.04738	0.49926	-0.09489	0.924398	0.965394	chr10	41179911	41180137	+	0	NA	Intergeni	ALR/Alpha	1188021	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chrX-6128	23.64556	-0.04333	0.459776	-0.09424	0.92492	0.96556	chrX	61282489	61282837	+	0	NA	Intergeni	ALR/Alpha	2068669	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding

chr21-802	16.20219	0.051066	0.545651	0.093587	0.925437	0.965721	chr21	8021542	8022750	+	0	NA	Intergeni	ALR/Alpha	-175474	NR_038958	1.01E+08	Hs.426704	NR_038958		LOC100507	-	uncharact	ncRNA
chr1-1235	17.35257	-0.04853	0.529085	-0.09173	0.926911	0.966879	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2036147	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1221	17.88866	0.047489	0.522928	0.090813	0.927641	0.967262	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	609338	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1233	19.07162	-0.04568	0.508589	-0.08981	0.928434	0.96771	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1832223	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5831	16.23307	0.04771	0.545565	0.087451	0.930313	0.968711	chr7	58316230	58316529	+	0	NA	Intergeni	ALR/Alpha	866202	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-265	21.26331	0.042244	0.483459	0.087378	0.930371	0.968711	chr19	26575072	26575303	+	0	NA	Intergeni	ALR/Alpha	-1218244	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4920	49.55836	0.0285	0.327249	0.08709	0.9306	0.968711	chr5	49203149	49203429	+	0	NA	Intergeni	ALR/Alpha	1237999	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4879	32.81497	-0.03407	0.392659	-0.08677	0.93085	0.968711	chr5	48790045	48790289	+	0	NA	Intergeni	ALR/Alpha	1651121	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1244	60.39697	0.026129	0.304105	0.085922	0.931528	0.969037	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2948039	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9253	19.03791	-0.04308	0.509139	-0.08461	0.932573	0.969513	chr2	92533592	92534575	+	0	NA	Intergeni	ALR/Alpha	592950	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5952	27.54299	0.035813	0.426018	0.084064	0.933005	0.969513	chr7	59526079	59527087	+	0	NA	Intergeni	ALR/Alpha	2076406	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr2-9263	19.60772	0.04186	0.498503	0.083971	0.933079	0.969513	chr2	92632176	92633599	+	0	NA	Intergeni	ALR/Alpha	691754	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-405	31.06787	-0.0331	0.402913	-0.08216	0.934522	0.970633	chr10	40567551	40567810	+	0	NA	Intergeni	ALR/Alpha	1800365	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4908	23.58777	-0.03821	0.469236	-0.08143	0.935099	0.970845	chr5	49083122	49083367	+	0	NA	Intergeni	ALR/Alpha	1358044	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-263	25.2801	0.03577	0.444126	0.08054	0.935808	0.970845	chr19	26355531	26355821	+	0	NA	Intergeni	ALR/Alpha	-1437755	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr18-162	241.5171	0.014398	0.178797	0.080525	0.93582	0.970845	chr18	16265850	16266213	+	0	NA	Intergeni	ALR/Alpha	-940112	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr3-9117	19.63916	0.03912	0.497924	0.078566	0.937377	0.972082	chr3	91177444	91177958	+	0	NA	Intergeni	ALR/Alpha	2070080	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr2-9255	24.77375	-0.03424	0.452163	-0.07572	0.93964	0.974048	chr2	92558764	92559062	+	0	NA	Intergeni	ALR/Alpha	617780	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr7-5911	43.64168	-0.02592	0.345217	-0.07507	0.940158	0.974206	chr7	59111297	59111883	+	0	NA	Intergeni	ALR/Alpha	1661413	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-5819	17.983	0.038468	0.521406	0.073777	0.941188	0.974693	chr7	58198384	58198621	+	0	NA	Intergeni	ALR/Alpha	748325	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4800	31.00555	-0.02959	0.403077	-0.07341	0.941481	0.974693	chr5	48005507	48005719	+	0	NA	Intergeni	ALR/Alpha	-2309233	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-2367	16.14987	-0.03979	0.546934	-0.07275	0.942008	0.974693	chr1	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	27437	NM_001278	88	Hs.498178	NM_001103	ENSG00000	ACTN2	CMD1AA|CM	actinin a	protein-coding
chr21-122	42.32416	0.025571	0.354163	0.072201	0.942442	0.974693	chr21	12245149	12245414	+	0	NA	Intergeni	ALR/Alpha	-792885	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr20-288	17.86836	-0.03763	0.521353	-0.07218	0.94246	0.974693	chr20	28884030	28889998	+	0	NA	Intergeni	ALR/Alpha	-193376	NR_132316	1.03E+08		NR_132316		FRG1DP	-	FSHD regi	pseudo
chr5-4707	23.04356	0.032988	0.462525	0.071321	0.943143	0.974825	chr5	47074226	47074446	+	0	NA	Intergeni	ALR/Alpha	-1377956	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr18-194	23.04299	0.032955	0.464078	0.071012	0.943388	0.974825	chr18	19426399	19426758	+	0	NA	Intergeni	ALR/Alpha	1685235	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-259	67.60784	-0.02049	0.290107	-0.07064	0.943686	0.974825	chr19	25955031	25955266	+	0	NA	Intergeni	ALR/Alpha	-1791701	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9262	17.40432	0.035992	0.527472	0.068235	0.945598	0.975325	chr2	92622874	92625785	+	0	NA	Intergeni	ALR/Alpha	683196	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr12-356	19.70149	0.033571	0.499944	0.06715	0.946463	0.975325	chr12	35614815	35615520	+	0	NA	Intergeni	ALR/Alpha	1592671	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr22-150	19.09079	0.034003	0.507251	0.067034	0.946554	0.975325	chr22	15054057	15054297	+	0	NA	Intergeni	ALR/Alpha	-473982	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chrX-5950	20.77953	0.0325	0.486443	0.066812	0.946731	0.975325	chrX	59501238	59504425	+	0	NA	Intergeni	ALR/Alpha	-1592198	NM_007156	7789	Hs.550094	NM_007156	ENSG00000	ZXDA	ZNF896	zinc fing	protein-coding
chr1-1248	17.22735	-0.03605	0.539496	-0.06681	0.946731	0.975325	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3360226	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	21.38796	0.031979	0.478684	0.066806	0.946736	0.975325	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3255993	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	21.38796	0.031979	0.478684	0.066806	0.946736	0.975325	chr10	40837427	40838060	+	0	NA	Intergeni	ALR/Alpha	1530302	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr18-160	34.37963	-0.02518	0.385498	-0.06532	0.94792	0.976167	chr18	16008586	16008883	+	0	NA	Intergeni	ALR/Alpha	-682815	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4938	23.60194	-0.02986	0.462641	-0.06454	0.948541	0.976428	chr5	49383413	49383641	+	0	NA	Intergeni	ALR/Alpha	1057761	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1248	44.57288	0.02162	0.342144	0.06319	0.949615	0.977156	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3367901	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4773	22.95979	-0.02854	0.464522	-0.06143	0.951017	0.977635	chr5	47731357	47731809	+	0	NA	Intergeni	ALR/Alpha	-2035203	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr22-137	30.4653	0.024884	0.406803	0.061169	0.951225	0.977635	chr22	13785364	13785621	+	0	NA	Intergeni	ALR/Alpha	-1742667	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|C	olfactory	protein-coding
chr5-4925	27.08896	0.026082	0.430731	0.060552	0.951716	0.977635	chr5	49256773	49257117	+	0	NA	Intergeni	ALR/Alpha	1184343	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1247	25.40305	0.026908	0.44613	0.060315	0.951905	0.977635	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3235588	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6042	17.80717	-0.03155	0.524041	-0.0602	0.951995	0.977635	chr7	60421222	60421440	+	0	NA	Intergeni	ALR/Alpha	2882725	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr21-838	51.46958	-0.01929	0.322335	-0.05984	0.952285	0.977635	chr21	8385781	8387075	+	0	NA	intron (N	intron (N	-1934	NR_128716	1.04E+08		NR_128716	ENSG00000	MIR6724-3	hsa-mir-6	microRNA	ncRNA
chr19-252	63.54629	-0.01694	0.297189	-0.057	0.954542	0.978096	chr19	25271153	25271381	+	0	NA	Intergeni	ALR/Alpha	-1107820	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1234	17.46665	0.0298	0.527514	0.056491	0.954951	0.978096	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1917074	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-232	17.46608	0.02975	0.527503	0.056397	0.955025	0.978096	chr17	23267491	23267701	+	0	NA	Intergeni	ALR/Alpha	744485	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr2-9275	17.46608	0.02975	0.527503	0.056397	0.955025	0.978096	chr2	92755302	92756056	+	0	NA	Intergeni	ALR/Alpha	814546	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1248	22.93004	-0.0261	0.464073	-0.05623	0.955156	0.978096	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3285918	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-232	18.54639	0.029028	0.518321	0.056003	0.955339	0.978096	chr17	23207571	23207826	+	0	NA	Intergeni	ALR/Alpha	684587	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr1-1245	20.74591	-0.02904	0.521588	-0.05567	0.955601	0.978096	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3074632	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-530	21.45086	0.026838	0.482845	0.055583	0.955674	0.978096	chr11	53062952	53063387	+	0	NA	Intergeni	ALR/Alpha	1540829	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1235	21.82056	-0.02582	0.474492	-0.05441	0.956612	0.978679	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2032160	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9311	20.1032	-0.02645	0.494292	-0.05351	0.957324	0.979031	chr2	93119526	93120232	+	0	NA	Intergeni	ALR/Alpha	1088540	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr19-265	22.42955	-0.02507	0.475156	-0.05277	0.957917	0.979261	chr19	26561525	26561736	+	0	NA	Intergeni	ALR/Alpha	-1231801	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-406	26.94174	-0.02243	0.435844	-0.05146	0.958958	0.979684	chr10	40673465	40673665	+	0	NA	Intergeni	ALR/Alpha	1694480	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-250	25.93725	0.022934	0.449822	0.050985	0.959338	0.979684	chr19	25085848	25086059	+	0	NA	Intergeni	ALR/Alpha	-922506	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4917	28.84059	0.021534	0.423372	0.050862	0.959435	0.979684	chr5	49173292	49173493	+	0	NA	Intergeni	ALR/Alpha	1267896	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1249	21.18011	-0.02424	0.484745	-0.05	0.960119	0.980006	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3407699	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-266	21.78854	-0.02342	0.475945	-0.0492	0.96076	0.980285	chr20	26613678	26613946	+	0	NA	Intergeni	ALR/Alpha	-404579	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4673	20.07119	-0.02384	0.493114	-0.04835	0.961437	0.9806	chr5	46730498	46732360	+	0	NA	Intergeni	ALR/Alpha	-1035049	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr2-9393	18.35497	-0.02426	0.519465	-0.0467	0.962754	0.981567	chr2	93935328	93935573	+	0	NA	Intergeni	ALR/Alpha	272969	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr15-184	36.73025	0.017278	0.374741	0.046106	0.963226	0.981672	chr15	18405520	18405817	+	0	NA	Intergeni	ALR/Alpha	-1877076	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr2-9235	16.91884	0.023746	0.535046	0.044381	0.964601	0.982696	chr2	92352961	92354047	+	0	NA	Intergeni	ALR/Alpha	412371	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9266	20.04088	-0.02111	0.493636	-0.04276	0.965894	0.983637	chr2	92665353	92666448	+	0	NA	Intergeni	ALR/Alpha	724767	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-258	16.60504	-0.02179	0.541465	-0.04024	0.9679	0.984904	chr19	25896592	25897549	+	0	NA	Intergeni	ALR/Alpha	-1733623	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-248	20.32493	0.019501	0.490022	0.039795	0.968256	0.984904	chr19	24835924	24836162	+	0	NA	Intergeni	ALR/Alpha	-672596	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1231	19.53812	-0.02037	0.518253	-0.03931	0.968647	0.984904	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1623706	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9282	18.63733	0.019968	0.510526	0.039112	0.968801	0.984904	chr2	92823860	92824758	+	0	NA	Intergeni	ALR/Alpha	883176	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr8-4487	16.94972	0.020542	0.535029	0.038393	0.969374	0.984904	chr8	44870247	44871493	+	0	NA	Intergeni	ALR/Alpha	1578428	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr17-238	16.34186	0.020828	0.54673	0.038096	0.969611	0.984904	chr17	23830680	23830879	+	0	NA	Intergeni	ALR/Alpha	1307668	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr19-248	17.82134	-0.02026	0.537332	-0.0377	0.969927	0.984904	chr19	24884943	24885179	+	0	NA	Intergeni	ALR/Alpha	-721614	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4742	27.1034	0.016228	0.432945	0.037484	0.970099	0.984904	chr5	47421573	47422106	+	0	NA	Intergeni	ALR/Alpha	-1725459	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-271	153.4924	-0.00759	0.210119	-0.03614	0.971167	0.985612	chr19	27163021	27163274	+	0	NA	Intergeni	ALR/Alpha	-630284	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4956	22.65242	0.016526	0.468377	0.035284	0.971853	0.985933	chr5	49560537	49560740	+	0	NA	Intergeni	ALR/Alpha	880650	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-276	20.35525	0.016781	0.489973	0.034248	0.972679	0.986028	chr20	27654054	27654941	+	0	NA	Intergeni	ALR/Alpha	948168	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1228	20.96481	0.016658	0.487645	0.034161	0.972749	0.986028	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1365768	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1217	36.21106	0.012689	0.375732	0.033772	0.973059	0.986028	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	224620	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-407	32.55406	-0.01254	0.393761	-0.03186	0.974585	0.987198	chr10	40752601	40752944	+	0	NA	Intergeni	ALR/Alpha	1615273	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-268	23.76247	0.014237	0.456644	0.031177	0.975128	0.987373	chr19	26872475	26873177	+	0	NA	Intergeni	ALR/Alpha	-920605	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-513	43.02551	0.010668	0.35024	0.030459	0.975701	0.987577	chr11	51387664	51388135	+	0	NA	Intergeni	ALR/Alpha	978752	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1248	21.46643	0.014362	0.482303	0.029778	0.976244	0.987751	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3315353	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	43.37906	-0.00973	0.345424	-0.02817	0.977524	0.98806	chr20	28548646	28550130	+	0	NA	Intergeni	ALR/Alpha	53277	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-1249	16.54271	-0.01528	0.544876	-0.02804	0.977628	0.98806	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3400784	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr22-113	27.39803	-0.01168	0.426236	-0.0274	0.978144	0.98806	chr22	11368760	11371446	+	0	NA	Intergeni	ALR/Alpha	-408574	NR_132320	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr19-265	17.15114	-0.01442	0.531306	-0.02713	0.978355	0.98806	chr19	26537037	26537240	+	0	NA	Intergeni	ALR/Alpha	-1256293	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-285	22.27516	-0.0127	0.469347	-0.02707	0.978406	0.98806	chr20	28546493	28547346	+	0	NA	Intergeni	ALR/Alpha	55746	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr13-173	17.01318	0.014181	0.539622	0.02628	0.979034	0.988176	chr13	17315416	17315692	+	0	NA	Intergeni	ALR/Alpha	-879743	NR_027278	26080	Hs.448583	NR_027278	ENSG00000	FAM230C	LINC00281	family wi	ncRNA
chr19-248	16.40305	0.014108	0.542764	0.025992	0.979264	0.988176	chr19	24881271	24881737	+	0	NA	Intergeni	ALR/Alpha	-718057	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr21-121	18.83818	-0.01187	0.508135	-0.02336	0.981365	0.98966	chr21	12145538	12145767	+	0	NA	Intergeni	ALR/Alpha	-892514	NR_026916	149992	Hs.558645	NM_153773		ANKRD30BP	C21orf99|	ankyrin r	pseudo
chr6-5892	24.90114	0.009848	0.447615	0.022001	0.982447	0.98966	chr6	58926693	58926897	+	0	NA	Intergeni	ALR/Alpha	-965349	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC0068	-	long inte	ncRNA
chr1-1223	18.1238	0.011376	0.526547	0.021605	0.982763	0.98966	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	867665	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-407	44.30016	0.007495	0.347896	0.021544	0.982812	0.98966	chr10	40760203	40760518	+	0	NA	Intergeni	ALR/Alpha	1607685	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1248	18.1204	0.011052	0.519586	0.02127	0.98303	0.98966	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3345327	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-5005	16.43563	0.010969	0.54617	0.020084	0.983977	0.98966	chr5	50053501	50053723	+	0	NA	Intergeni	ALR/Alpha	387676	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4796	16.43619	0.011014	0.550173	0.020018	0.984029	0.98966	chr5	47969227	47969440	+	0	NA	Intergeni	ALR/Alpha	-2272953	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-253	17.1231	-0.01094	0.547693	-0.01997	0.984067	0.98966	chr19	25391904	25392256	+	0	NA	Intergeni	ALR/Alpha	-1228633	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr20-287	16.43393	0.010819	0.542237	0.019953	0.984081	0.98966	chr20	28793373	28801562	+	0	NA	Intergeni	ALR/Alpha	-194802	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-250	20.44902	0.008776	0.492622	0.017816	0.985786	0.990745	chr19	25032841	25033098	+	0	NA	Intergeni	ALR/Alpha	-869522	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9219	18.8073	-0.009	0.509166	-0.01767	0.985905	0.990745	chr2	92198941	92200175	+	0	NA	Intergeni	ALR/Alpha	258425	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-271	22.16694	0.006691	0.473866	0.014119	0.988735	0.992626	chr19	27160041	27160240	+	0	NA	Intergeni	ALR/Alpha	-633291	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr8-4396	21.55907	0.006663	0.478201	0.013934	0.988883	0.992626	chr8	43969493	43969734	+	0	NA	Intergeni	ALR/Alpha	677171	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr22-119	21.10334	-0.00653	0.482003	-0.01355	0.989187	0.992626	chr22	11927893	11928766	+	0	NA	intron (N	L1PA13|L1	30923	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr19-246	17.07551	0.007388	0.549258	0.01345	0.989269	0.992626	chr19	24625227	24625524	+	0	NA	Intergeni	ALR/Alpha	-461928	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4771	25.5736	0.005603	0.44364	0.012629	0.989924	0.992909	chr5	47716450	47717478	+	0	NA	Intergeni	ALR/Alpha	-2020584	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-267	34.07168	0.004604	0.385932	0.011929	0.990482	0.993095	chr19	26713249	26713520	+	0	NA	Intergeni	ALR/Alpha	-1080047	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-270	46.16058	-0.00371	0.337166	-0.01101	0.991219	0.993459	chr19	27020554	27020805	+	0	NA	Intergeni	ALR/Alpha	-772752	NR_110688	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4767	65.48311	-0.00263	0.288517	-0.00913	0.992719	0.994588	chr5	47671646	47671878	+	0	NA	Intergeni	ALR/Alpha	-1975382	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-365	30.69477	0.003359	0.405784	0.008277	0.993396	0.994891	chr11	3653817	3654686	+	0	NA	intron (N	intron (N	9123	NM_004314	417	Hs.382188	NM_004314	ENSG00000	ART1	ART2|ARTC	ADP-ribos	protein-coding
chrX-6144	19.29335	0.002946	0.503911	0.005846	0.995336	0.996346	chrX	61444891	61446462	+	0	NA	Intergeni	ALR/Alpha	1905656	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr2-9238	19.35398	-0.00277	0.501945	-0.00552	0.995597	0.996346	chr2	92387031	92388118	+	0	NA	Intergeni	ALR/Alpha	446441	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr5-4904	27.32126	0.002016	0.429637	0.004692	0.996256	0.996631	chr5	49042810	49043746	+	0	NA	Intergeni	ALR/Alpha	1398010	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-514	21.65115	-0.00099	0.478542	-0.00207	0.998348	0.998348	chr11	51482708	51482927	+	0	NA	Intergeni	ALR/Alpha	1073670	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo

Supplementary Table 9. Genome-wide profiling of differential peaks between senescent cells and counterparts exposed to ML324 (ChIP-seq for H3K36me3).

geneID	baseMea	log2Fold	lfcSE	stat	pvalue	padj	Chr	Start	End	Stran	Peak S	Focus	Annotati	Detailed	Distance	Nearest P	Entrez ID	Nearest U	Nearest R	Nearest E	Gene Nam	Gene Alia	Gene Des	Gene Type
chr16-382	770.5261	0.972888	0.075115	12.95205	2.29E-38	8.61E-35	chr16	38276157	38276483	+	0	NA	Intergeni	ALR/Alpha	2529768	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr17-266	842.7855	0.757288	0.07	10.81843	2.82E-27	5.30E-24	chr17	26603798	26604053	+	0	NA	Intergeni	ALR/Alpha	485316	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr5-4873	302.3381	0.985717	0.129479	7.612972	2.68E-14	3.36E-11	chr5	48732109	48732399	+	0	NA	Intergeni	ALR/Alpha	1709034	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-263	262.9757	1.028475	0.138631	7.418793	1.18E-13	1.11E-10	chr19	26331628	26331985	+	0	NA	Intergeni	ALR/Alpha	-1461625	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4961	231.2037	1.087339	0.152058	7.15083	8.63E-13	6.49E-10	chr5	49612258	49615611	+	0	NA	Intergeni	ALR/Alpha	827354	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4963	196.4947	1.058742	0.164615	6.431619	1.26E-10	7.92E-08	chr5	49630809	49632109	+	0	NA	Intergeni	ALR/Alpha	809829	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-271	133.2163	1.30337	0.204471	6.374352	1.84E-10	9.88E-08	chr19	27146759	27146980	+	0	NA	Intergeni	ALR/Alpha	-646562	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1239	271.1514	0.855162	0.135126	6.328639	2.47E-10	1.16E-07	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2407205	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4961	174.3077	1.12172	0.178544	6.282598	3.33E-10	1.39E-07	chr5	49616438	49617194	+	0	NA	Intergeni	ALR/Alpha	824472	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr4-7390	172.1431	1.101746	0.175044	6.278116	3.40E-10	1.41E-07	chr4	73906089	73906784	+	0	NA	Intergeni	L1PA3|LIN	37043	NM_001511	2919	Hs.789	NM_001511	ENSG00000	CXCL1	FSP|GRO1|	C-X-C mot	protein-coding
chr4-7459	165.1044	1.031746	0.186044	6.278036	3.42E-10	1.42E-07	chr4	74597145	74598143	+	0	NA	Intergeni	THE1B-int	152508	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr10-409	210.9468	-0.99273	0.158584	-6.26001	3.85E-10	1.45E-07	chr10	40980950	40981326	+	0	NA	Intergeni	ALR/Alpha	1386907	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr17-266	396.1376	-0.68484	0.110748	-6.18377	6.26E-10	2.14E-07	chr17	26619531	26620055	+	0	NA	Intergeni	ALR/Alpha	469448	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr1-1247	131.1533	-1.23744	0.205448	-6.02312	1.71E-09	5.18E-07	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3222330	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr4-7461	142.15	1.367431	0.204347	6.023018	1.74E-09	5.18E-07	chr4	74616713	74616924	+	0	NA	Intergeni	AluYg6|SI	171682	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr17-230	347.2216	-0.71063	0.118125	-6.01589	1.79E-09	5.18E-07	chr17	23016338	23016540	+	0	NA	Intergeni	ALR/Alpha	493328	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr17-268	281.1627	-0.81174	0.137685	-5.89562	3.73E-09	1.00E-06	chr17	26880960	26885887	+	0	NA	Intergeni	ALR/Alpha	205818	NR_135673	1.05E+08	Hs.649918	NR_135673		LOC105371	-	uncharact	ncRNA
chr6-5916	262.8307	-0.80019	0.137833	-5.80552	6.42E-09	1.61E-06	chr6	59163123	59163346	+	0	NA	Intergeni	ALR/Alpha	-1201788	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-4964	161.8593	-1.0534	0.182829	-5.76165	8.33E-09	1.96E-06	chr5	49643674	49646210	+	0	NA	Intergeni	ALR/Alpha	796346	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-405	209.013	-0.90897	0.158577	-5.73203	9.92E-09	2.20E-06	chr10	40556268	40556895	+	0	NA	Intergeni	ALR/Alpha	1811464	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4954	118.5783	1.226714	0.215531	5.691578	1.26E-08	2.63E-06	chr5	49547195	49547490	+	0	NA	Intergeni	ALR/Alpha	893946	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4858	229.7896	0.86783	0.153364	5.658631	1.53E-08	3.02E-06	chr5	48589523	48589723	+	0	NA	Intergeni	ALR/Alpha	1851665	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4964	111.6384	1.23595	0.221868	5.570662	2.54E-08	4.77E-06	chr5	49642240	49642817	+	0	NA	Intergeni	ALR/Alpha	798760	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-405	181.1677	0.922596	0.170121	5.423171	5.86E-08	1.05E-05	chr10	40593352	40593603	+	0	NA	Intergeni	ALR/Alpha	1774568	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4643	60.87076	1.632742	0.302364	5.399921	6.67E-08	1.14E-05	chr5	46434582	46434946	+	0	NA	Intergeni	ALR/Alpha	-738384	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4798	137.1194	1.07577	0.199947	5.380283	7.44E-08	1.22E-05	chr5	47982825	47983163	+	0	NA	Intergeni	ALR/Alpha	-2286614	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-408	169.6754	0.96256	0.179625	5.358711	8.38E-08	1.31E-05	chr10	40892151	40892527	+	0	NA	Intergeni	ALR/Alpha	1475706	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr4-7449	145.2174	0.985251	0.185621	5.31487	8.84E-08	1.34E-05	chr4	74498802	74499010	+	0	NA	Intergeni	L1M2|LINE	53770	NM_001657	374	Hs.270833	NM_001657	ENSG00000	AREG	AR|AREGB|	amphiregu	protein-coding
chr1-1217	133.0313	-1.07427	0.203394	-5.28169	1.28E-07	1.93E-05	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	252637	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-414	123.694	-1.11654	0.211969	-5.26748	1.38E-07	2.00E-05	chr10	41405822	41406021	+	0	NA	Intergeni	ALR/Alpha	962124	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1247	128.6484	-1.10302	0.210132	-5.24916	1.53E-07	2.06E-05	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3259081	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-402	102.437	-1.21436	0.231359	-5.24884	1.53E-07	2.06E-05	chr10	40267807	40268087	+	0	NA	Intergeni	ALR/Alpha	1571351	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1247	70.08757	-1.44511	0.279619	-5.16814	2.36E-07	3.07E-05	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3251931	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-401	145.177	1.015933	0.197807	5.13598	2.81E-07	3.52E-05	chr10	40135068	40135333	+	0	NA	Intergeni	ALR/Alpha	1438604	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4885	109.7955	1.1345	0.223599	5.073822	3.90E-07	4.73E-05	chr5	48850749	48850994	+	0	NA	Intergeni	ALR/Alpha	1590417	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-5879	110.0206	1.121666	0.222433	5.042714	4.59E-07	5.37E-05	chr7	58797742	58797962	+	0	NA	Intergeni	ALR/Alpha	1347675	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4962	119.3208	1.074856	0.213357	5.037839	4.71E-07	5.37E-05	chr5	49625564	49627067	+	0	NA	Intergeni	ALR/Alpha	814973	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4932	96.6057	1.187264	0.238674	4.974409	6.54E-07	7.24E-05	chr5	49320015	49320249	+	0	NA	Intergeni	ALR/Alpha	1121156	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-270	127.5552	1.04112	0.211455	4.923605	8.50E-07	9.13E-05	chr19	27022751	27022958	+	0	NA	Intergeni	ALR/Alpha	-770577	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4956	103.4171	-1.1295	0.230138	-4.90791	9.20E-07	9.62E-05	chr5	49563536	49563756	+	0	NA	Intergeni	ALR/Alpha	877642	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1231	78.32774	-1.27862	0.26162	-4.88733	1.02E-06	0.000102	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1582434	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4963	104.0087	-1.11559	0.228344	-4.88556	1.03E-06	0.000102	chr5	49633285	49633741	+	0	NA	Intergeni	ALR/Alpha	807775	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4920	37.70471	-1.85051	0.379423	-4.87716	1.08E-06	0.000104	chr5	49203138	49203392	+	0	NA	Intergeni	ALR/Alpha	1238023	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4745	126.2086	-1.01618	0.211433	-4.80616	1.54E-06	0.000145	chr5	47450769	47451138	+	0	NA	Intergeni	ALR/Alpha	-1754573	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-284	86.01179	-1.19137	0.250286	-4.76004	1.94E-06	0.000178	chr20	28494848	28497649	+	0	NA	Intergeni	ALR/Alpha	106417	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-264	72.64995	-1.28898	0.2712	-4.75289	2.01E-06	0.00018	chr19	26460000	26460272	+	0	NA	Intergeni	ALR/Alpha	-1333295	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1128	84.1299	1.126698	0.24512	4.751039	2.01E-06	0.00018	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	L1PA7|LIN	-21552	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr1-1243	119.1126	-1.01135	0.213108	-4.7457	2.08E-06	0.000182	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2790635	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr18-205	50.29687	1.540382	0.325173	4.737113	2.17E-06	0.000183	chr18	20562029	20562429	+	0	NA	Intergeni	ALR/Alpha	549584	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr19-248	131.8576	0.959083	0.202535	4.735399	2.19E-06	0.000183	chr19	24894151	24894367	+	0	NA	Intergeni	ALR/Alpha	-730812	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1237	175.512	0.829974	0.175501	4.729176	2.25E-06	0.000184	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2264529	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1228	29.46274	1.536958	0.326823	4.702727	2.57E-06	0.000203	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1287166	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4786	137.0705	0.926209	0.197295	4.694547	2.67E-06	0.000203	chr5	47864769	47864981	+	0	NA	Intergeni	ALR/Alpha	-2168495	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-1497	33.47972	1.619787	0.345176	4.692638	2.70E-06	0.000203	chr7	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	8100	NM_001329	168544	Hs.726477	NM_207336	ENSG00000	ZNF467	EZI|Zfp46	zinc fing	protein-coding
chr7-5881	104.8077	1.063541	0.226658	4.692281	2.70E-06	0.000203	chr7	58818494	58818788	+	0	NA	Intergeni	ALR/Alpha	1368464	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4942	132.0385	0.959665	0.205366	4.672959	2.97E-06	0.000219	chr5	49423239	49423447	+	0	NA	Intergeni	ALR/Alpha	1017945	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-1128	121.0312	0.993465	0.212363	4.67103	2.99E-06	0.00022	chr2	1.13E+08	1.13E+08	+	0	NA	Intergeni	MER4-int|	-23448	NM_000576	3553	Hs.126256	NM_000576	ENSG00000	IL1B	IL-1|IL1-	interleuk	protein-coding
chr1-1235	117.0846	1.033602	0.221409	4.668291	3.04E-06	0.00022	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	1991822	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4949	83.737	1.193442	0.256538	4.652103	3.29E-06	0.000233	chr5	49492298	49492628	+	0	NA	Intergeni	ALR/Alpha	948825	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-259	120.7915	0.980213	0.211261	4.639819	3.49E-06	0.000243	chr19	25916254	25916483	+	0	NA	Intergeni	ALR/Alpha	-1752921	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4757	28.07703	1.503666	0.325221	4.623523	3.77E-06	0.000258	chr5	47572619	47572824	+	0	NA	Intergeni	ALR/Alpha	-1876341	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-402	164.4048	0.866229	0.187578	4.617963	3.88E-06	0.00026	chr10	40204345	40204600	+	0	NA	Intergeni	ALR/Alpha	1507876	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-5892	220.6771	0.686861	0.151239	4.541553	5.58E-06	0.000369	chr6	58924847	58925081	+	0	NA	Intergeni	ALR/Alpha	-963518	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr18-162	136.465	0.893413	0.1988	4.494025	6.99E-06	0.00045	chr18	16265918	16266195	+	0	NA	Intergeni	ALR/Alpha	-940137	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr1-1459	18.40284	1.851356	0.412148	4.491968	7.06E-06	0.00045	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	1518	NM_001313	10628	Hs.533977	NM_006472	ENSG00000	TXNIP	ARRDC6|ES	thioredox	protein-coding
chr5-4962	89.59655	1.089034	0.244826	4.448187	8.66E-06	0.000543	chr5	49622406	49624373	+	0	NA	Intergeni	ALR/Alpha	817899	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1240	71.49638	1.210877	0.274454	4.411955	1.02E-05	0.000632	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2535616	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1246	111.1375	-0.96228	0.219204	-4.38988	1.13E-05	0.000683	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3098300	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4673	22.43922	-1.52746	0.348083	-4.38819	1.14E-05	0.000683	chr5	46731825	46732204	+	0	NA	Intergeni	ALR/Alpha	-1035634	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-265	127.0597	-0.91695	0.210223	-4.36179	1.29E-05	0.000758	chr19	26573574	26573773	+	0	NA	Intergeni	ALR/Alpha	-1219758	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-264	108.5854	-0.97162	0.225142	-4.31561	1.59E-05	0.000917	chr19	26450267	26450472	+	0	NA	Intergeni	ALR/Alpha	-1343062	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4831	118.5369	-0.918	0.212833	-4.31321	1.61E-05	0.000917	chr5	48316745	48316978	+	0	NA	Intergeni	ALR/Alpha	2124427	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr22-386	31.00763	-1.41475	0.329579	-4.29259	1.77E-05	0.000992	chr22	38644317	38644580	+	0	NA	intron (N	L1MC1|LIN	11944	NM_001291	646851	Hs.542707	NM_001013	ENSG00000	FAM227A	-	family wi	protein-coding
chr7-5827	37.29035	-1.54071	0.360741	-4.27097	1.95E-05	0.001077	chr7	58275873	58276072	+	0	NA	Intergeni	ALR/Alpha	825795	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr5-4961	81.75125	-1.09916	0.257551	-4.26773	1.97E-05	0.001077	chr5	49610031	49610299	+	0	NA	Intergeni	ALR/Alpha	831123	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-251	77.04411	-1.10889	0.260879	-4.2506	2.13E-05	0.001125	chr19	25146941	25147206	+	0	NA	Intergeni	ALR/Alpha	-983626	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr3-9086	21.35935	-1.51017	0.355599	-4.24683	2.17E-05	0.001125	chr3	90868575	90869676	+	0	NA	Intergeni	ALR/Alpha	1761504	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr19-249	21.35493	-1.5097	0.355608	-4.24539	2.18E-05	0.001125	chr19	24922578	24922843	+	0	NA	Intergeni	ALR/Alpha	-759263	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-5956	103.9493	-0.98008	0.230861	-4.24533	2.18E-05	0.001125	chr6	59566217	59566459	+	0	NA	Intergeni	ALR/Alpha	-1604892	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr5-1321	95.14935	0.799801	0.238611	4.235114	2.23E-05	0.001137	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	Tigger2|D	39600	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr5-4915	35.5581	1.500521	0.355319	4.223022	2.41E-05	0.001226	chr5	49154550	49154757	+	0	NA	Intergeni	ALR/Alpha	1286635	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr12-760	16.10818	1.937937	0.463048	4.185178	2.85E-05	0.00143	chr12	76028465	76031108	+	0	NA	3’ UTR (N	3’ UTR (N	1990	NM_007350	22822	Hs.602085	NM_007350	ENSG00000	PHLDA1	DT1P1B11|	pleckstri	protein-coding
chr10-400	20.5305	1.516979	0.363478	4.173504	3.00E-05	0.001482	chr10	40070752	40070985	+	0	NA	Intergeni	ALR/Alpha	1374272	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr12-372	25.9212	1.342714	0.32191	4.171085	3.03E-05	0.001482	chr12	37246196	37246628	+	0	NA	Intergeni	ALR/Alpha	-1070362	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr5-1321	36.49213	-1.35021	0.320811	-4.16208	3.05E-05	0.001502	chr5	1.32E+08	1.32E+08	+	0	NA	Intergeni	L1PA8|LIN	50795	NM_000758	1437	Hs.1349	NM_000758	ENSG00000	CSF2	CSF|GMCSF	colony st	protein-coding
chr5-4936	50.9131	1.371715	0.330805	4.146596	3.37E-05	0.001628	chr5	49368045	49368487	+	0	NA	Intergeni	ALR/Alpha	1073022	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-255	78.93338	1.067878	0.258033	4.13854	3.50E-05	0.001665	chr19	25506887	25507092	+	0	NA	Intergeni	ALR/Alpha	-1343542	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-5929	62.15013	1.199938	0.291244	4.120044	3.79E-05	0.001782	chr7	59292394	59292611	+	0	NA	Intergeni	ALR/Alpha	1842325	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr7-1213	71.14501	1.249938	0.282344	4.112045	3.85E-05	0.001817	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	28489	NM_057168	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr16-382	25.61978	1.320493	0.32191	4.102059	4.09E-05	0.001902	chr16	38266293	38268929	+	0	NA	Intergeni	ALR/Alpha	2521059	NR_033985	400533	Hs.499135	NR_033985	ENSG00000	LINC02167	-	long inte	ncRNA
chr20-285	19.77681	1.525245	0.372586	4.093677	4.25E-05	0.001948	chr20	28523377	28524675	+	0	NA	Intergeni	ALR/Alpha	78639	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-261	23.08231	1.369631	0.336196	4.07391	4.62E-05	0.002096	chr19	26120180	26120449	+	0	NA	Intergeni	ALR/Alpha	-1673117	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-362	14.80008	2.048455	0.50543	4.052893	5.06E-05	0.002266	chr19	36273945	36274230	+	0	NA	Intergeni	SST1|Sate	-28159	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr6-5879	116.1018	0.901233	0.222697	4.046893	5.19E-05	0.002298	chr6	58793454	58793676	+	0	NA	Intergeni	ALR/Alpha	-832119	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr10-407	19.60229	1.497933	0.374486	3.999973	6.33E-05	0.002772	chr10	40756076	40756661	+	0	NA	Intergeni	ALR/Alpha	1611677	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1226	22.81449	1.345667	0.336934	3.993862	6.50E-05	0.002812	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1093494	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-1212	36.14423	1.345667	0.365931	3.991806	6.53E-05	0.002965	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-123590	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr19-256	56.96042	1.197525	0.301304	3.974477	7.05E-05	0.003016	chr19	25601078	25601308	+	0	NA	Intergeni	ALR/Alpha	-1437746	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-262	59.73408	1.164473	0.293538	3.967021	7.28E-05	0.003077	chr19	26203861	26204067	+	0	NA	Intergeni	ALR/Alpha	-1589467	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr18-182	26.34491	1.258892	0.317791	3.961384	7.45E-05	0.003116	chr18	18217261	18217460	+	0	NA	Intergeni	ALR/Alpha	-2891441	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr8-4773	11.80176	2.723833	0.68814	3.958253	7.55E-05	0.003122	chr8	47736197	47737655	+	0	NA	TTS (NM_0	TTS (NM_0	1238	NM_005195	1052	Hs.440829	NM_005195	ENSG00000	CEBPD	C/EBP-del	CCAAT enh	protein-coding
chr20-285	22.01924	1.346718	0.342471	3.932351	8.41E-05	0.003441	chr20	28517445	28519255	+	0	NA	Intergeni	ALR/Alpha	84315	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-267	38.17183	1.408843	0.358866	3.925816	8.64E-05	0.003481	chr19	26781767	26782831	+	0	NA	Intergeni	ALR/Alpha	-1011132	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-415	33.06259	1.303129	0.332061	3.924362	8.70E-05	0.003481	chr10	41564623	41564955	+	0	NA	Intergeni	ALR/Alpha	803256	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1246	27.34275	1.218658	0.314913	3.86982	0.000109	0.004273	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3104246	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-278	31.54037	-1.25137	0.323386	-3.86958	0.000109	0.004273	chr20	27811246	27811523	+	0	NA	Intergeni	ALR/Alpha	791281	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4894	26.52714	-1.21732	0.315476	-3.85867	0.000114	0.004423	chr5	48949810	48951019	+	0	NA	Intergeni	ALR/Alpha	1490874	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4791	21.71782	-1.32079	0.343533	-3.84473	0.000121	0.0046	chr5	47912961	47914327	+	0	NA	Intergeni	ALR/Alpha	-2217264	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr9-6061	21.70323	-1.32068	0.343567	-3.84403	0.000121	0.0046	chr9	60610381	60611089	+	0	NA	Intergeni	ALR/Alpha	-303672	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr5-4946	51.5053	-1.23612	0.322336	-3.83487	0.000126	0.004698	chr5	49465510	49466039	+	0	NA	Intergeni	ALR/Alpha	975514	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	80.29226	-0.97509	0.254419	-3.83263	0.000127	0.004698	chr20	26541796	26542370	+	0	NA	Intergeni	ALR/Alpha	-332850	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-405	29.42795	-1.20795	0.315266	-3.83153	0.000127	0.004698	chr10	40598964	40599627	+	0	NA	Intergeni	ALR/Alpha	1768750	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4933	24.5171	-1.23115	0.322864	-3.8132	0.000137	0.004976	chr5	49339103	49339430	+	0	NA	Intergeni	ALR/Alpha	1102022	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4754	77.03408	-0.9928	0.260401	-3.81258	0.000138	0.004976	chr5	47547457	47547665	+	0	NA	Intergeni	ALR/Alpha	-1851181	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1237	20.46588	-1.3487	0.356274	-3.78556	0.000153	0.005496	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2279003	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1217	33.84742	-1.25522	0.335084	-3.74599	0.00018	0.006355	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	256088	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-286	38.31888	1.334699	0.356453	3.744393	0.000181	0.006355	chr20	28643737	28644855	+	0	NA	Intergeni	ALR/Alpha	-41631	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr19-363	14.94272	1.805807	0.482549	3.742229	0.000182	0.006355	chr19	36305538	36306094	+	0	NA	Intergeni	Intergeni	-5527	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr19-362	14.9383	1.803113	0.484207	3.723851	0.000196	0.006774	chr19	36288833	36289139	+	0	NA	Intergeni	SST1|Sate	-22357	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA

chr10-403	24.69934	1.187364	0.320292	3.707132	0.00021	0.007171	chr10	40367454	40368623	+	0	NA	Intergeni	ALR/Alpha	1671442	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1240	69.53782	1.010731	0.274086	3.687641	0.000226	0.007669	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2515484	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-372	63.06965	1.060742	0.287901	3.684392	0.000229	0.007669	chr12	37237603	37238561	+	0	NA	Intergeni	ALR/Alpha	-1078692	NM_001013	144245	Hs.259305	NM_001013	ENSG00000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr11-535	17.18073	1.52169	0.413139	3.683239	0.00023	0.007669	chr11	53509604	53509886	+	0	NA	Intergeni	ALR/Alpha	1094253	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr10-406	23.45979	1.203594	0.327194	3.678535	0.000235	0.007697	chr10	40633542	40633977	+	0	NA	Intergeni	ALR/Alpha	1734286	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-5528	16.68248	1.564241	0.425315	3.677841	0.000235	0.007697	chr7	5528433	5530459	+	0	NA	intron (N	CpG	1155	NM_001101	60	Hs.520640	NM_001101	ENSG00000	ACTB	BRWS1|PS1	actin bet	protein-coding
chr1-1242	112.7867	0.812345	0.221177	3.672822	0.00024	0.007782	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2731658	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-270	43.714	1.260097	0.343619	3.667132	0.000245	0.007889	chr19	27065031	27065528	+	0	NA	Intergeni	ALR/Alpha	-728152	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-270	23.91647	1.183219	0.323773	3.654473	0.000258	0.008218	chr19	27008326	27009103	+	0	NA	Intergeni	ALR/Alpha	-784717	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9255	21.64682	1.243939	0.340859	3.649426	0.000263	0.008311	chr2	92550084	92550747	+	0	NA	Intergeni	ALR/Alpha	609282	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1231	27.03532	1.138686	0.312421	3.644711	0.000268	0.008394	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1628105	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-654	14.71425	-1.77169	0.487157	-3.6368	0.000276	0.008585	chr11	65423118	65425808	+	0	NA	non-codin	non-codin	1665	NR_028272	283131	Hs.523789	NR_002802	ENSG00000	NEAT1	LINC00084	nuclear p	ncRNA
chr10-404	33.01611	-1.20144	0.330999	-3.62975	0.000284	0.00875	chr10	40462784	40463063	+	0	NA	Intergeni	ALR/Alpha	1766327	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4853	28.97682	-1.13207	0.312432	-3.62341	0.000291	0.008895	chr5	48538105	48538413	+	0	NA	Intergeni	ALR/Alpha	1903029	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-269	56.71801	-1.08159	0.299023	-3.61706	0.000298	0.008972	chr19	26967507	26967995	+	0	NA	Intergeni	ALR/Alpha	-825680	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-270	30.59296	-1.14365	0.316188	-3.61701	0.000298	0.008972	chr19	27091791	27092829	+	0	NA	Intergeni	ALR/Alpha	-701121	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr18-166	18.9417	-1.35147	0.375786	-3.59638	0.000323	0.009637	chr18	16677690	16677909	+	0	NA	Intergeni	ALR/Alpha	-1351880	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr5-4941	19.95058	-1.29305	0.359842	-3.59339	0.000326	0.009646	chr5	49419249	49419511	+	0	NA	Intergeni	ALR/Alpha	1021908	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4892	55.49304	-1.08693	0.302595	-3.59202	0.000328	0.009646	chr5	48929424	48930402	+	0	NA	Intergeni	ALR/Alpha	1511375	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-250	55.96873	-1.08097	0.301604	-3.58407	0.000338	0.009868	chr19	25050259	25051340	+	0	NA	Intergeni	ALR/Alpha	-887352	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9293	16.89831	-1.49048	0.416746	-3.57647	0.000348	0.010081	chr2	92934828	92935157	+	0	NA	Intergeni	ALR/Alpha	993859	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr10-400	28.83369	-1.11317	0.311675	-3.57158	0.000355	0.010193	chr10	40080123	40080384	+	0	NA	Intergeni	ALR/Alpha	1383657	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr7-5973	74.55807	-0.9411	0.263818	-3.56723	0.000361	0.010219	chr7	59734599	59735003	+	0	NA	Intergeni	ALR/Alpha	2284624	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-404	50.95375	-1.12732	0.316048	-3.56693	0.000361	0.010219	chr10	40412688	40414995	+	0	NA	Intergeni	ALR/Alpha	1717245	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4769	21.39138	-1.21763	0.342024	-3.56006	0.000371	0.010412	chr5	47694883	47696328	+	0	NA	Intergeni	ALR/Alpha	-1999225	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1243	34.26229	-1.19163	0.335767	-3.54896	0.000387	0.01078	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2829607	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1241	37.78298	-1.26407	0.356518	-3.54561	0.000392	0.010838	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2645233	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1227	85.63958	0.875482	0.24765	3.53516	0.000408	0.011194	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1222498	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4947	36.30397	1.22974	0.348658	3.527068	0.00042	0.011394	chr5	49479027	49479228	+	0	NA	Intergeni	ALR/Alpha	962161	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-254	57.07312	1.065266	0.302064	3.526624	0.000421	0.011394	chr19	25439330	25439541	+	0	NA	Intergeni	ALR/Alpha	-1275988	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4918	37.36705	1.244513	0.353746	3.518096	0.000435	0.011683	chr5	49182269	49183335	+	0	NA	Intergeni	ALR/Alpha	1258486	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-409	27.72905	1.087227	0.310135	3.50566	0.000455	0.012086	chr10	40975909	40976161	+	0	NA	Intergeni	ALR/Alpha	1392010	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4824	13.919	1.800542	0.513803	3.504342	0.000458	0.012086	chr5	48241487	48242221	+	0	NA	Intergeni	ALR/Alpha	2199434	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1928	13.94376	1.798564	0.513371	3.503441	0.000459	0.012086	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	1827	NM_002923	5997	Hs.78944	NM_002923	ENSG00000	RGS2	G0S8	regulator	protein-coding
chr10-405	25.21855	1.105848	0.316039	3.499083	0.000467	0.0122	chr10	40595496	40596559	+	0	NA	Intergeni	ALR/Alpha	1772018	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-269	19.08459	1.291727	0.370342	3.487924	0.000487	0.012633	chr19	26918117	26918364	+	0	NA	Intergeni	ALR/Alpha	-875191	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-404	18.55495	1.320191	0.379409	3.479602	0.000502	0.012943	chr10	40400425	40400712	+	0	NA	Intergeni	ALR/Alpha	1703972	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-5958	51.80495	1.081297	0.311718	3.468833	0.000523	0.013381	chr6	59586841	59587042	+	0	NA	Intergeni	ALR/Alpha	-1625495	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr7-5889	25.73494	1.088011	0.314078	3.464146	0.000532	0.013524	chr7	58893059	58893259	+	0	NA	Intergeni	ALR/Alpha	1442982	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-265	32.3993	1.119429	0.323382	3.461634	0.000537	0.01356	chr19	26549334	26550173	+	0	NA	Intergeni	ALR/Alpha	-1243678	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-257	42.18876	1.189438	0.345864	3.439036	0.000584	0.014645	chr19	25736921	25737124	+	0	NA	Intergeni	ALR/Alpha	-1573575	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4945	16.10882	1.496103	0.435676	3.433977	0.000595	0.014823	chr5	49459379	49459706	+	0	NA	Intergeni	ALR/Alpha	981746	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-517	15.12912	1.590037	0.463645	3.429431	0.000605	0.014974	chr11	51770378	51770586	+	0	NA	Intergeni	ALR/Alpha	1361335	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1246	33.17996	-1.12286	0.328194	-3.42133	0.000623	0.015327	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3167745	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1226	57.67907	-1.01455	0.297047	-3.41547	0.000637	0.015558	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1126228	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1455	15.06279	-1.59104	0.466586	-3.40996	0.00065	0.015774	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	33103	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG00000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr6-3717	11.88799	-2.12293	0.623399	-3.40542	0.000661	0.015936	chr6	37171230	37171598	+	0	NA	exon (NM_	exon (NM_	1262	NM_001243	5292	Hs.81170	NM_002648	ENSG00000	PIM1	PIM	Pim-1 pro	protein-coding
chr15-101	13.64676	-1.76172	0.52014	-3.38701	0.000707	0.016734	chr15	1.02E+08	1.02E+08	+	0	NA	Intergeni	CpG	-12823	NM_001321	1E+08	Hs.104864	NM_001321551		LOC100128	-	putative	protein-coding
chr5-4954	18.39723	-1.29074	0.381202	-3.38596	0.000709	0.016734	chr5	49545496	49546353	+	0	NA	Intergeni	ALR/Alpha	895364	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4878	23.63381	-1.09152	0.322401	-3.38561	0.00071	0.016734	chr5	48785857	48786704	+	0	NA	Intergeni	ALR/Alpha	1655008	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1228	20.38225	-1.18627	0.35056	-3.38393	0.000715	0.016734	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1370291	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9371	18.38043	-1.29003	0.381299	-3.38324	0.000716	0.016734	chr3	93710778	93712615	+	0	NA	Intergeni	ALR/Alpha	262385	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr19-268	20.30354	-1.18659	0.350888	-3.38169	0.00072	0.016734	chr19	26859893	26860590	+	0	NA	Intergeni	ALR/Alpha	-933190	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-264	20.28233	-1.18563	0.35094	-3.37843	0.000729	0.01683	chr20	26498552	26498937	+	0	NA	Intergeni	ALR/Alpha	-289511	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr19-269	20.85353	1.163528	0.344807	3.374428	0.00074	0.016929	chr19	26903950	26904752	+	0	NA	Intergeni	ALR/Alpha	-889080	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-266	61.61994	0.967137	0.286749	3.372761	0.000744	0.016929	chr20	26601748	26602778	+	0	NA	Intergeni	ALR/Alpha	-393030	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr10-400	38.60059	1.193598	0.353995	3.371795	0.000747	0.016929	chr10	40019658	40020581	+	0	NA	Intergeni	ALR/Alpha	1323523	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-268	24.13426	1.074489	0.319316	3.364975	0.000766	0.017249	chr19	26842763	26843651	+	0	NA	Intergeni	ALR/Alpha	-950224	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-269	42.6642	1.142479	0.342158	3.339044	0.000841	0.01883	chr19	26986861	26987068	+	0	NA	Intergeni	ALR/Alpha	-806467	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-409	27.712	1.029747	0.308732	3.33541	0.000852	0.018965	chr10	40924037	40925101	+	0	NA	Intergeni	ALR/Alpha	1443476	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-399	63.13811	0.953134	0.286156	3.330819	0.000866	0.019167	chr10	39967516	39968398	+	0	NA	Intergeni	ALR/Alpha	1271361	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1247	54.84018	1.007736	0.303469	3.320716	0.000898	0.019414	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3215871	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-264	35.47462	1.134677	0.341841	3.31931	0.000902	0.019414	chr19	26410371	26411312	+	0	NA	Intergeni	ALR/Alpha	-1382590	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-266	62.3442	0.945192	0.284808	3.318705	0.000904	0.019414	chr20	26605426	26607869	+	0	NA	Intergeni	ALR/Alpha	-397414	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1241	55.69379	1.012618	0.305187	3.318025	0.000907	0.019414	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2604853	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-252	22.86332	1.083902	0.326687	3.317861	0.000907	0.019414	chr19	25294346	25295878	+	0	NA	Intergeni	ALR/Alpha	-1131665	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1227	22.84873	1.083793	0.326682	3.317581	0.000908	0.019414	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1247749	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4932	26.94152	1.021523	0.309217	3.303578	0.000955	0.020209	chr5	49325611	49326176	+	0	NA	Intergeni	ALR/Alpha	1115395	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1243	38.11227	1.162427	0.352282	3.299701	0.000968	0.020209	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2857755	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4954	31.19228	1.044559	0.316591	3.29939	0.000969	0.020209	chr5	49540158	49541162	+	0	NA	Intergeni	ALR/Alpha	900628	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-408	23.26606	1.06617	0.323205	3.298748	0.000971	0.020209	chr10	40806076	40806313	+	0	NA	Intergeni	ALR/Alpha	1561851	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-5990	15.77025	1.461715	0.443186	3.298197	0.000973	0.020209	chr7	59908457	59908731	+	0	NA	Intergeni	ALR/Alpha	2458417	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-265	54.01795	1.004291	0.304617	3.296894	0.000978	0.020209	chr19	26528983	26529889	+	0	NA	Intergeni	ALR/Alpha	-1263995	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-408	38.89514	1.165171	0.353574	3.295412	0.000983	0.020209	chr10	40878610	40878949	+	0	NA	Intergeni	ALR/Alpha	1489266	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-271	23.87441	1.049508	0.319953	3.280195	0.001037	0.021215	chr19	27156007	27157002	+	0	NA	Intergeni	ALR/Alpha	-636927	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-268	18.09801	1.25935	0.384311	3.276905	0.00105	0.021348	chr20	26874111	26874945	+	0	NA	Intergeni	ALR/Alpha	-665295	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1217	27.40262	1.008378	0.308136	3.272511	0.001066	0.021545	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	226850	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5999	33.87149	1.081994	0.330756	3.271273	0.001071	0.021545	chr7	59995683	59996554	+	0	NA	Intergeni	ALR/Alpha	2545941	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr20-285	18.48616	-1.23091	0.376621	-3.2683	0.001082	0.021618	chr20	28530883	28531244	+	0	NA	Intergeni	ALR/Alpha	71602	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr15-197	21.05257	-1.11432	0.341052	-3.2673	0.001086	0.021618	chr15	19775509	19779696	+	0	NA	Intergeni	ALR/Alpha	-505142	NR_038836	646096	Hs.448789	NR_038836	ENSG00000	CHEK2P2	-	checkpoin	pseudo
chr18-186	12.87627	-1.78999	0.551002	-3.24862	0.00116	0.022968	chr18	18687623	18687846	+	0	NA	Intergeni	ALR/Alpha	2424079	NM_005406	6093	Hs.306307	NM_005406	ENSG00000	ROCK1	P160ROCK|	Rho assoc	protein-coding
chr1-1249	15.60236	-1.43065	0.442798	-3.23092	0.001234	0.02431	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3406518	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-405	42.60559	-1.10332	0.341848	-3.22752	0.001249	0.024473	chr10	40587921	40588148	+	0	NA	Intergeni	ALR/Alpha	1780011	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-267	12.34884	-1.86401	0.57793	-3.22532	0.001258	0.024534	chr19	26785712	26786021	+	0	NA	Intergeni	ALR/Alpha	-1007565	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-250	29.9255	-0.99932	0.3102	-3.22154	0.001275	0.024732	chr19	25087999	25089007	+	0	NA	Intergeni	ALR/Alpha	-925056	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1231	36.49233	-1.11311	0.34576	-3.21933	0.001285	0.024796	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1588203	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr8-4555	34.37194	-1.07065	0.333704	-3.20837	0.001335	0.025514	chr8	45553644	45553868	+	0	NA	Intergeni	ALR/Alpha	1063887	NR_146077	389652		NR_146077	ENSG00000	ASNSP1	ASNSL1	asparagin	pseudo
chr11-532	77.97359	-0.83876	0.261444	-3.20819	0.001336	0.025514	chr11	53205009	53205217	+	0	NA	Intergeni	ALR/Alpha	1398885	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-269	33.3606	-1.04799	0.328136	-3.19378	0.001404	0.026688	chr19	26919544	26920304	+	0	NA	Intergeni	ALR/Alpha	-873507	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1247	28.45306	-0.98229	0.307939	-3.18987	0.001423	0.026915	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3214121	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr11-654	14.1054	-1.56974	0.493045	-3.18376	0.001454	0.027352	chr11	65499481	65505214	+	0	NA	non-codin	non-codin	-3770	NR_144569	1.09E+08		NR_144569	ENSG00000	MASCRNA	-	MALAT1-as	scRNA
chr19-271	18.8311	-1.17589	0.369859	-3.17929	0.001476	0.02764	chr19	27144836	27145859	+	0	NA	Intergeni	ALR/Alpha	-648084	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1247	18.78512	-1.17487	0.369954	-3.17571	0.001495	0.027844	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3187382	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-255	20.79712	-1.08648	0.342554	-3.17169	0.001516	0.027997	chr19	25520614	25520844	+	0	NA	Intergeni	ALR/Alpha	-1357282	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1246	49.37051	-1.0065	0.31738	-3.17126	0.001518	0.027997	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3140734	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4947	18.29705	-1.19987	0.378544	-3.1697	0.001526	0.028011	chr5	49476965	49477827	+	0	NA	Intergeni	ALR/Alpha	963892	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4940	17.27579	-1.25714	0.398087	-3.15795	0.001589	0.028915	chr5	49408827	49410096	+	0	NA	Intergeni	ALR/Alpha	1031827	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-103	17.31294	-1.25607	0.397788	-3.15763	0.001591	0.028915	chr11	10305359	10307891	+	0	NA	exon (NM_	exon (NM_	1552	NM_001124	133	Hs.441047	NM_001124	ENSG00000	ADM	AM|PAMP	adrenomed	protein-coding
chr5-4759	24.49298	-0.99383	0.314924	-3.15579	0.001601	0.028958	chr5	47594060	47594502	+	0	NA	Intergeni	ALR/Alpha	-1897901	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr10-406	16.80231	-1.2877	0.408733	-3.15048	0.00163	0.029274	chr10	40643502	40644673	+	0	NA	Intergeni	ALR/Alpha	1723958	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1485	16.81469	-1.28729	0.408687	-3.14982	0.001634	0.029274	chr1	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	35769	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr20-264	25.06418	-0.98011	0.31252	-3.13617	0.001712	0.030527	chr20	26473319	26475080	+	0	NA	Intergeni	ALR/Alpha	-264966	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr5-4908	15.82837	-1.35534	0.434009	-3.12284	0.001791	0.031793	chr5	49088837	49089492	+	0	NA	Intergeni	ALR/Alpha	1352124	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1228	12.06643	-1.82424	0.587561	-3.10476	0.001904	0.033643	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1331221	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-285	15.25361	-1.3969	0.450755	-3.09901	0.001942	0.034016	chr20	28553272	28553861	+	0	NA	Intergeni	ALR/Alpha	49099	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr4-1196	9.082697	-2.54199	0.820332	-3.09873	0.001943	0.034016	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	3409	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr1-1244	23.81004	-0.98427	0.318294	-3.09231	0.001986	0.034375	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2918654	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-403	23.78086	-0.98403	0.318233	-3.09218	0.001987	0.034375	chr10	40345162	40345395	+	0	NA	Intergeni	ALR/Alpha	1648682	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-406	32.50453	-0.99197	0.320983	-3.09041	0.001999	0.034375	chr10	40614741	40615808	+	0	NA	Intergeni	ALR/Alpha	1752771	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-362	12.56026	1.744357	0.564491	3.090144	0.002001	0.034375	chr19	36294349	36294924	+	0	NA	Intergeni	SST1|Sate	-16707	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr19-255	26.08545	0.952771	0.308885	3.084548	0.002039	0.03487	chr19	25552364	25552870	+	0	NA	Intergeni	ALR/Alpha	-1389170	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-5845	14.33362	1.481799	0.481021	3.080531	0.002066	0.035084	chr5	58453498	58459680	+	0	NA	exon (NM_	exon (NM_	3497	NM_006622	10769	Hs.398157	NM_006622	ENSG00000	PLK2	SNK|hPlk2	polo like	protein-coding
chr1-2355	10.09599	2.228142	0.723582	3.079321	0.002075	0.035084	chr1	23557487	23559335	+	0	NA	3’ UTR (N	3’ UTR (N	1090	NM_002167	3399	Hs.76884	NM_002167	ENSG00000	ID3	HEIR-1|bH	inhibitor	protein-coding
chr1-1229	19.54298	1.098775	0.357017	3.077655	0.002086	0.035084	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1393985	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	19.53856	1.098098	0.35707	3.075299	0.002103	0.035084	chr10	40466158	40467631	+	0	NA	Intergeni	ALR/Alpha	1770298	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4948	32.47094	0.989501	0.321785	3.075032	0.002105	0.035084	chr5	49487570	49487839	+	0	NA	Intergeni	ALR/Alpha	953584	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4760	20.53151	1.058495	0.344324	3.074128	0.002111	0.035084	chr5	47607636	47608244	+	0	NA	Intergeni	ALR/Alpha	-1911560	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr3-9370	19.01555	1.120725	0.364654	3.073393	0.002116	0.035084	chr3	93707939	93708572	+	0	NA	Intergeni	ALR/Alpha	265826	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr11-519	21.01517	1.039477	0.33897	3.066578	0.002165	0.035736	chr11	51912546	51912766	+	0	NA	Intergeni	ALR/Alpha	1503509	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4924	26.54655	0.940578	0.307321	3.060575	0.002209	0.036301	chr5	49243263	49244213	+	0	NA	Intergeni	ALR/Alpha	1197550	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-3061	13.86234	1.531441	0.500907	3.057335	0.002233	0.036536	chr6	30616348	30617008	+	0	NA	non-codin	non-codin	565	NM_002714	5514	Hs.106019	NM_002714	ENSG00000	PPP1R10	CAT53|FB1	protein p	protein-coding
chr19-260	29.09064	0.93884	0.307352	3.054614	0.002254	0.03671	chr19	26079823	26080137	+	0	NA	Intergeni	ALR/Alpha	-1713451	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1504	13.30794	1.584732	0.520827	3.042723	0.002344	0.037994	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	2702	NM_005168	390	Hs.6838	NM_005168	ENSG00000	RND3	ARHE|Rho8	Rho famil	protein-coding

chr5-4735	16.98896	1.223098	0.402111	3.041694	0.002353	0.037994	chr5	47358734	47359982	+	0	NA	Intergeni	ALR/Alpha	-1662978	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr15-494	8.326801	2.697719	0.890537	3.029318	0.002451	0.039416	chr15	49423717	49427312	+	0	NA	intron (N	(AATATT)n	2272	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr19-258	16.00485	1.285899	0.425691	3.020735	0.002522	0.04026	chr19	25837936	25839035	+	0	NA	Intergeni	ALR/Alpha	-1675038	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1217	53.73945	0.93823	0.310637	3.02034	0.002525	0.04026	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	231238	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-5914	16.04199	1.284316	0.425915	3.015425	0.002566	0.040745	chr7	59149122	59149760	+	0	NA	Intergeni	ALR/Alpha	1699264	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr19-248	39.27837	1.069288	0.355021	3.0119	0.002596	0.041048	chr19	24893005	24893298	+	0	NA	Intergeni	ALR/Alpha	-729704	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1494	15.53357	1.321067	0.438824	3.01047	0.002608	0.041069	chr1	1.49E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	39111	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr10-399	35.58207	1.01878	0.339276	3.002806	0.002675	0.041942	chr10	39983438	39983710	+	0	NA	Intergeni	ALR/Alpha	1286978	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-271	27.54304	0.916511	0.30566	2.998461	0.002713	0.042368	chr19	27139682	27140680	+	0	NA	Intergeni	ALR/Alpha	-653250	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-264	26.2721	0.916897	0.307437	2.98239	0.00286	0.044473	chr20	26468721	26469385	+	0	NA	Intergeni	ALR/Alpha	-259820	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1225	19.71725	1.048084	0.352655	2.971979	0.002959	0.04582	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1063707	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4881	35.34122	1.003037	0.337896	2.968482	0.002993	0.045975	chr5	48810888	48811807	+	0	NA	Intergeni	ALR/Alpha	1629941	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr10-399	45.45395	0.981231	0.330556	2.968425	0.002993	0.045975	chr10	39986368	39987336	+	0	NA	Intergeni	ALR/Alpha	1290256	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr10-401	18.74552	1.0898	0.367446	2.965881	0.003018	0.046	chr10	40157670	40158953	+	0	NA	Intergeni	ALR/Alpha	1461715	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1245	30.90716	-0.92535	0.312132	-2.96461	0.003031	0.046	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	2995430	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-279	19.22476	-1.06722	0.36	-2.96451	0.003032	0.046	chr20	27966984	27967183	+	0	NA	Intergeni	ALR/Alpha	635582	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr5-4860	21.28495	-0.99371	0.335575	-2.96121	0.003064	0.046132	chr5	48603636	48604534	+	0	NA	Intergeni	ALR/Alpha	1837203	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1227	21.29512	-0.99334	0.335558	-2.96027	0.003074	0.046132	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1258730	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1217	37.97445	-1.03707	0.350376	-2.95987	0.003078	0.046132	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	245491	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr16-865	10.32421	-2.05692	0.695211	-2.9587	0.003089	0.046132	chr16	86510703	86518334	+	0	NA	3’ UTR (N	3’ UTR (N	3991	NM_001451	2294	Hs.155591	NM_001451	ENSG00000	FOXF1	ACDMPV|FK	forkhead	protein-coding
chr1-8558	14.03441	-1.44228	0.48782	-2.95657	0.003111	0.046268	chr1	85580922	85583536	+	0	NA	exon (NM_	exon (NM_	1468	NM_001554	3491	Hs.8867	NM_001554	ENSG00000	CCN1	CYR61|GIG	cellular	protein-coding
chr2-4322	10.30962	-2.05548	0.695896	-2.95371	0.00314	0.046278	chr2	43222536	43225508	+	0	NA	3’ UTR (N	3’ UTR (N	2584	NM_006887	678	Hs.503093	NM_006887	ENSG00000	ZFP36L2	BRF2|ERF-	ZFP36 rin	protein-coding
chr4-1375	10.30962	-2.05548	0.695896	-2.95371	0.00314	0.046278	chr4	1.38E+08	1.38E+08	+	0	NA	intron (N	(TAT)n|Si	6453	NM_019035	54510	Hs.591691	NM_019035	ENSG00000	PCDH18	PCDH68L	protocadh	protein-coding
chr19-250	17.7592	-1.13645	0.384861	-2.95287	0.003148	0.046278	chr19	25021130	25021580	+	0	NA	Intergeni	ALR/Alpha	-857908	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1225	17.27554	-1.1628	0.394756	-2.94562	0.003223	0.047192	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1000952	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	22.19832	-0.9613	0.326983	-2.93991	0.003283	0.047796	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3220783	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4886	70.38132	-0.79721	0.271227	-2.93928	0.00329	0.047796	chr5	48860545	48860791	+	0	NA	Intergeni	ALR/Alpha	1580620	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr6-5938	58.57665	-0.85511	0.292187	-2.92658	0.003427	0.04958	chr6	59383276	59383494	+	0	NA	Intergeni	ALR/Alpha	-1421939	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr8-4459	38.58886	-1.03985	0.355442	-2.92551	0.003439	0.04958	chr8	44594451	44594671	+	0	NA	Intergeni	ALR/Alpha	1302119	NM_001005	340441	Hs.531579	NM_001002	ENSG00000	POTEA	A26A1|CT1	POTE anky	protein-coding
chr1-1240	34.03288	-0.96207	0.330431	-2.91155	0.003596	0.051653	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2486311	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9237	16.1915	-1.21819	0.418824	-2.90861	0.00363	0.051944	chr2	92374494	92374819	+	0	NA	Intergeni	ALR/Alpha	433523	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-362	12.99414	-1.5419	0.530855	-2.90457	0.003678	0.05242	chr19	36280523	36281852	+	0	NA	Intergeni	SST1|Sate	-30156	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr1-1227	15.73261	-1.24944	0.430728	-2.90077	0.003723	0.05286	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1203522	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-265	15.21977	-1.2832	0.445241	-2.88203	0.003951	0.055764	chr19	26519309	26519508	+	0	NA	Intergeni	ALR/Alpha	-1274023	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-1242	12.05159	1.66485	0.577753	2.881596	0.003957	0.055764	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2702645	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1241	34.83254	0.971084	0.337469	2.877549	0.004008	0.056273	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2648738	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-413	12.02241	1.662685	0.578774	2.872772	0.004069	0.056919	chr10	41380177	41380376	+	0	NA	Intergeni	ALR/Alpha	987769	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4771	19.97244	0.999072	0.348252	2.868818	0.00412	0.057028	chr5	47718440	47719621	+	0	NA	Intergeni	ALR/Alpha	-2022650	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-528	24.73775	0.893646	0.31155	2.868391	0.004126	0.057028	chr11	52839828	52840055	+	0	NA	Intergeni	ALR/Alpha	1764057	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-253	19.98262	0.998618	0.348263	2.867429	0.004138	0.057028	chr19	25317925	25319026	+	0	NA	Intergeni	ALR/Alpha	-1155028	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr9-4352	20.51225	0.981493	0.342302	2.867328	0.00414	0.057028	chr9	43524996	43525251	+	0	NA	Intergeni	ALR/Alpha	398957	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr5-4897	34.47718	0.952062	0.332153	2.86634	0.004152	0.057028	chr5	48973351	48974271	+	0	NA	Intergeni	ALR/Alpha	1467477	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr17-614	9.055475	2.267945	0.792576	2.861485	0.004217	0.057699	chr17	61400302	61409492	+	0	NA	intron (N	CpG-11509	5054	NM_005994	6909	Hs.531085	NM_005994	ENSG00000	TBX2	VETD	T-box tra	protein-coding
chr10-409	53.51789	0.874875	0.30588	2.860186	0.004234	0.057726	chr10	40971781	40971989	+	0	NA	Intergeni	ALR/Alpha	1396160	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4733	18.49008	1.058431	0.370397	2.857555	0.004269	0.057932	chr5	47330380	47331810	+	0	NA	Intergeni	ALR/Alpha	-1634715	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-271	18.47549	1.058212	0.370423	2.856764	0.00428	0.057932	chr19	27111284	27112701	+	0	NA	Intergeni	ALR/Alpha	-681439	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-406	18.43392	1.058019	0.370742	2.85379	0.00432	0.058267	chr10	40683400	40683650	+	0	NA	Intergeni	ALR/Alpha	1684520	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-7351	14.23565	1.359598	0.477026	2.850158	0.00437	0.058722	chr6	73516245	73520904	+	0	NA	promoter-	promoter-	-136	NR_132981	1.07E+08		NR_132981		SNORD141B	-	small nuc	snoRNA
chr10-404	17.97503	1.08001	0.379078	2.849048	0.004385	0.058722	chr10	40476615	40477209	+	0	NA	Intergeni	ALR/Alpha	1780316	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1234	17.4476	1.103159	0.388772	2.83755	0.004546	0.060663	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1904312	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-6077	13.752	1.404056	0.49505	2.836189	0.004566	0.060707	chr7	60776653	60777131	+	0	NA	Intergeni	ALR/Alpha	2527164	NR_003952	643955	Hs.583308	NR_003952	ENSG00000	ZNF733P	ZNF733	zinc fing	pseudo
chr3-1140	10.51086	1.903342	0.672368	2.830802	0.004643	0.061314	chr3	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	50716	NM_001353	57577	Hs.477159	NM_020817	ENSG00000	CCDC191	KIAA1407	coiled-co	protein-coding
chr17-598	13.77676	1.402068	0.495298	2.830757	0.004644	0.061314	chr17	59838148	59841772	+	0	NA	3’ UTR (N	3’ UTR (N	-1306	NR_029493	406991	Hs.445699	NR_029493	ENSG00000	MIR21	MIRN21|hs	microRNA	ncRNA
chrX-6249	11.07765	1.811229	0.642761	2.817887	0.004834	0.063576	chrX	62499326	62499605	+	0	NA	Intergeni	ALR/Alpha	851867	NM_001012	139886	Hs.612782	NM_001012	ENSG00000	SPIN4	TDRD28	spindlin	protein-coding
chr14-687	13.26613	1.450815	0.515039	2.816906	0.004849	0.063576	chr14	68788161	68792651	+	0	NA	exon (NM_	exon (NM_	3508	NM_001244	677	Hs.85155	NM_004926	ENSG00000	ZFP36L1	BRF1|Berg	ZFP36 rin	protein-coding
chr9-4476	32.40632	0.896301	0.318702	2.812344	0.004918	0.064261	chr9	44764084	44764291	+	0	NA	Intergeni	ALR/Alpha	1638021	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr6-1393	13.26392	1.448831	0.515375	2.81122	0.004935	0.064263	chr6	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	1011	NM_001168	10370	Hs.82071	NM_006079	ENSG00000	CITED2	ASD8|MRG-	Cbp/p300	protein-coding
chr19-261	36.75063	0.970229	0.34669	2.798546	0.005133	0.066266	chr19	26137614	26137813	+	0	NA	Intergeni	ALR/Alpha	-1655718	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4890	42.94762	0.952254	0.34033	2.798035	0.005141	0.066266	chr5	48904613	48905032	+	0	NA	Intergeni	ALR/Alpha	1536466	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-362	10.96755	1.811016	0.647254	2.797998	0.005142	0.066266	chr19	36285872	36286123	+	0	NA	Intergeni	SST1|Sate	-25346	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr2-9278	12.7387	1.501406	0.537816	2.791675	0.005244	0.067344	chr2	92783334	92783615	+	0	NA	Intergeni	ALR/Alpha	842341	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-501	12.26742	1.558692	0.56127	2.777081	0.005485	0.070204	chr20	50191777	50194124	+	0	NA	promoter-	promoter-	-881	NR_125739	1.02E+08	Hs.442486	NR_125739	ENSG00000	CEBPB-AS1	-	CEBPB ant	ncRNA
chr19-249	28.51453	0.84135	0.304328	2.76461	0.005699	0.072697	chr19	24929948	24930534	+	0	NA	Intergeni	ALR/Alpha	-766794	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr10-411	35.47147	0.931366	0.337089	2.762964	0.005728	0.072818	chr10	41124957	41126435	+	0	NA	Intergeni	ALR/Alpha	1242349	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4926	19.20416	0.98686	0.357685	2.759018	0.005798	0.073455	chr5	49260196	49261086	+	0	NA	Intergeni	ALR/Alpha	1180647	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1246	14.47846	1.281877	0.46602	2.750689	0.005947	0.075096	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3084509	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4879	29.03178	0.833029	0.304979	2.731431	0.006306	0.079363	chr5	48791310	48792175	+	0	NA	Intergeni	ALR/Alpha	1649546	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-530	13.95324	1.32129	0.48418	2.728921	0.006354	0.079703	chr11	53024587	53024786	+	0	NA	Intergeni	ALR/Alpha	1579312	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr5-4774	17.17757	1.069349	0.392529	2.724254	0.006445	0.080361	chr5	47749015	47750100	+	0	NA	Intergeni	ALR/Alpha	-2053177	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr5-4951	17.18995	1.068986	0.39243	2.724015	0.006449	0.080361	chr5	49511806	49513161	+	0	NA	Intergeni	ALR/Alpha	928805	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4798	31.89544	0.85893	0.316492	2.713905	0.00665	0.082383	chr5	47981140	47982020	+	0	NA	Intergeni	ALR/Alpha	-2285200	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr20-276	13.94882	1.317919	0.48567	2.713609	0.006655	0.082383	chr20	27697680	27698262	+	0	NA	Intergeni	ALR/Alpha	904694	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr20-270	24.17071	0.843142	0.312712	2.696229	0.007013	0.086524	chr20	27091973	27092179	+	0	NA	Intergeni	ALR/Alpha	-882843	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr20-623	9.281485	2.068634	0.768171	2.692936	0.007083	0.087097	chr20	62339742	62340049	+	0	NA	intron (N	intron (N	-7338	NR_039915	1.01E+08		NR_039915	ENSG00000	MIR4758	-	microRNA	ncRNA
chr19-255	34.12953	0.885783	0.329581	2.687606	0.007197	0.088211	chr19	25580688	25583580	+	0	NA	Intergeni	ALR/Alpha	-1418687	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4785	15.66824	1.147922	0.428019	2.681942	0.00732	0.089428	chr5	47855307	47857065	+	0	NA	Intergeni	ALR/Alpha	-2159806	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-249	28.69321	0.811244	0.303789	2.67042	0.007576	0.092256	chr19	24976712	24977057	+	0	NA	Intergeni	ALR/Alpha	-813437	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-263	15.22173	-1.17688	0.440981	-2.66877	0.007613	0.092411	chr19	26384378	26385751	+	0	NA	Intergeni	ALR/Alpha	-1408367	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-9278	15.20714	-1.17634	0.440988	-2.66751	0.007642	0.092461	chr2	92780060	92780372	+	0	NA	Intergeni	ALR/Alpha	839083	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr19-266	12.45408	-1.45781	0.547342	-2.66345	0.007734	0.093285	chr19	26675521	26676488	+	0	NA	Intergeni	ALR/Alpha	-1117427	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr5-4942	25.28749	-0.82115	0.308873	-2.65853	0.007848	0.094355	chr5	49429150	49429499	+	0	NA	Intergeni	ALR/Alpha	1011964	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr20-265	20.41208	-0.90542	0.340766	-2.65701	0.007884	0.094367	chr20	26507302	26508236	+	0	NA	Intergeni	ALR/Alpha	-298536	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1208	19.87447	-0.9211	0.346757	-2.65634	0.007899	0.094367	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	20292	NR_104086	1.02E+08		NR_104086	ENSG00000	RNVU1-19	RNU1-126|	RNA, vari	snRNA
chr1-1455	12.45187	-1.45539	0.54856	-2.6531	0.007976	0.09488	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	30942	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG00000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr5-4748	21.45897	-0.87772	0.33092	-2.65237	0.007993	0.09488	chr5	47488540	47489376	+	0	NA	Intergeni	ALR/Alpha	-1792578	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1225	11.9828	-1.51377	0.570975	-2.65121	0.00802	0.094908	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1021017	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr17-815	11.96821	-1.51267	0.571509	-2.64681	0.008126	0.095851	chr17	81508368	81512374	+	0	NA	3’ UTR (N	3’ UTR (N	2428	NM_001199	71	Hs.514581	NM_001614	ENSG00000	ACTG1	ACT|ACTG|	actin gam	protein-coding
chr11-529	53.19783	-0.80882	0.306001	-2.64318	0.008213	0.096581	chr11	52908010	52908255	+	0	NA	Intergeni	ALR/Alpha	1695866	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr19-362	11.94124	-1.51315	0.573743	-2.63734	0.008356	0.097956	chr19	36299211	36301092	+	0	NA	Intergeni	CpG	-11192	NR_029389	1E+08	Hs.466550	NR_029389		LOC100134	-	uncharact	ncRNA
chr19-256	12.00757	-1.51056	0.573302	-2.63484	0.008418	0.098113	chr19	25693106	25693327	+	0	NA	Intergeni	ALR/Alpha	-1529769	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr5-4938	14.67395	-1.21274	0.460298	-2.63468	0.008422	0.098113	chr5	49385351	49385556	+	0	NA	Intergeni	ALR/Alpha	1055835	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1241	32.04494	-0.83172	0.316094	-2.63124	0.008508	0.098634	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2625188	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1247	11.99298	-1.50943	0.573854	-2.63034	0.00853	0.098634	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3274711	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1228	17.90404	-0.99185	0.377167	-2.62974	0.008545	0.098634	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1282914	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4738	22.97051	-0.83979	0.319541	-2.6281	0.008586	0.098809	chr5	47388618	47388920	+	0	NA	Intergeni	ALR/Alpha	-1692389	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-1235	40.27638	-0.91223	0.347578	-2.62453	0.008677	0.099545	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2016631	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-404	38.99747	-0.91448	0.348996	-2.62031	0.008785	0.10048	chr10	40485589	40485804	+	0	NA	Intergeni	ALR/Alpha	1789100	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-254	37.80524	-0.91226	0.348773	-2.61561	0.008907	0.101564	chr19	25463440	25464484	+	0	NA	Intergeni	ALR/Alpha	-1300515	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-135	11.92444	-1.50922	0.577784	-2.61209	0.008999	0.102306	chr22	13517852	13518255	+	0	NA	Intergeni	ALR/Alpha	1620647	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr15-897	9.970803	-1.80505	0.69463	-2.59858	0.009361	0.1061	chr15	89795949	89799656	+	0	NA	intron (N	intron (N	17050	NM_001150	290	Hs.1239	NM_001150	ENSG00000	ANPEP	APN|CD13|	alanyl am	protein-coding
chr5-4955	15.91104	-1.0839	0.419865	-2.58155	0.009836	0.110951	chr5	49555906	49557483	+	0	NA	Intergeni	ALR/Alpha	884594	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-8357	8.415488	-2.15079	0.833605	-2.58011	0.009877	0.110951	chr5	83579967	83580166	+	0	NA	exon (NM_	exon (NM_	-17752	NR_136215	1.05E+08	Hs.643801	NR_136215	ENSG00000	VCAN-AS1	-	VCAN anti	ncRNA
chr19-270	15.92122	-1.08239	0.419515	-2.58009	0.009877	0.110951	chr19	27076526	27077439	+	0	NA	Intergeni	ALR/Alpha	-716449	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-269	15.85489	1.083083	0.421321	2.570681	0.01015	0.113673	chr20	26923043	26923567	+	0	NA	Intergeni	ALR/Alpha	-714072	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr12-463	12.71148	1.365976	0.532126	2.567017	0.010258	0.11454	chr12	46359694	46372644	+	0	NA	intron (N	intron (N	6604	NM_018976	54407	Hs.221847	NM_018976	ENSG00000	SLC38A2	ATA2|PRO1	solute ca	protein-coding
chr1-1230	39.25266	0.89053	0.348119	2.558121	0.010524	0.117165	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1539401	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1231	36.42836	0.871712	0.341087	2.55569	0.010598	0.117456	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1657529	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1235	12.69468	1.36274	0.533319	2.555205	0.010613	0.117456	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2039735	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1239	25.90827	0.777213	0.305179	2.546745	0.010873	0.119989	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2466707	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-3074	12.17166	1.415392	0.557871	2.537133	0.011176	0.122974	chr6	30743250	30743950	+	0	NA	promoter-	promoter-	637	NR_149095	1.05E+08	Hs.730861	NR_149095	ENSG00000	IER3-AS1	-	IER3 anti	ncRNA
chr10-136	8.216201	2.096905	0.82751	2.533994	0.011277	0.123456	chr10	13631036	13631557	+	0	NA	TTS (NM_0	TTS (NM_0	44331	NM_003675	8559	Hs.660649	NM_003675	ENSG00000	PRPF18	PRP18|hPr	pre-mRNA	protein-coding
chr19-251	22.60277	0.812043	0.320495	2.533718	0.011286	0.123456	chr19	25182823	25183837	+	0	NA	Intergeni	ALR/Alpha	-1019883	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr6-3196	8.189228	2.098764	0.828695	2.532612	0.011322	0.123488	chr6	31969067	31969266	+	0	NA	TTS (NM_0	TTS (NM_0	-2009	NR_026717	8859	Hs.654371	NM_004197	ENSG00000	STK19	D6S60|D6S	serine/th	protein-coding
chr9-6062	14.43665	1.168249	0.462756	2.524547	0.011585	0.125993	chr9	60625781	60626506	+	0	NA	Intergeni	ALR/Alpha	-288264	NM_001113	727905	Hs.645497	NM_001113	ENSG00000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr19-489	17.69016	0.958531	0.380565	2.518705	0.011779	0.127733	chr19	48965841	48966522	+	0	NA	intron (N	intron (N	872	NM_000146	2512	Hs.433670	NM_000146	ENSG00000	FTL	LFTD|NBIA	ferritin	protein-coding
chr5-4822	14.40747	1.166912	0.463696	2.516544	0.011851	0.128087	chr5	48228465	48229741	+	0	NA	Intergeni	ALR/Alpha	2212185	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr11-520	17.67336	0.957651	0.380669	2.515705	0.011879	0.128087	chr11	52071751	52072587	+	0	NA	Intergeni	ALR/Alpha	1663022	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1225	17.59024	0.957122	0.381558	2.508454	0.012126	0.130313	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1006006	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-362	11.669	1.465009	0.584226	2.507607	0.012155	0.130313	chr19	36270412	36272955	+	0	NA	Intergeni	SST1|Sate	-25755	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr19-960	17.13576	0.977967	0.390332	2.505477	0.012229	0.130728	chr19	9607138	9619689	+	0	NA	intron (N	AluSx1|SI	7819	NM_001330	93134	Hs.720081	NM_152289	ENSG00000	ZNF561	-	zinc fing	protein-coding
chr8-4891	11.18314	1.524045	0.611307	2.493092	0.012664	0.134995	chr8	48917995	48920748	+	0	NA	intron (N	intron (N	2058	NM_003068	6591	Hs.360174	NM_003068	ENSG00000	SNAI2	SLUG|SLUG	snail fam	protein-coding
chr19-258	16.62292	0.998935	0.401012	2.491035	0.012737	0.135395	chr19	25828440	25829163	+	0	NA	Intergeni	ALR/Alpha	-1665354	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr11-532	16.59815	0.999802	0.401672	2.489102	0.012807	0.13575	chr11	53208737	53209056	+	0	NA	Intergeni	ALR/Alpha	1395102	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding

chr2-5587	9.229497	1.851922	0.744944	2.485989	0.012919	0.136295	chr2	55873504	55875065	+	0	NA	intron (N	intron (N	49498	NM_001039	2202	Hs.76224	NM_004105	ENSG00000	EFEMP1	DHRD|DRAD	EGF conta	protein-coding
chr1-1967	9.715362	1.75495	0.706476	2.48409	0.012988	0.136295	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	THE1C-int	-35669	NM_021023	10878	Hs.709217	NM_021023	ENSG00000	CFHR3	CFHL3|DOW	complemer	protein-coding
chr10-403	10.6725	1.594231	0.64188	2.483689	0.013003	0.136295	chr10	40389388	40390526	+	0	NA	Intergeni	ALR/Alpha	1693361	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-534	10.6725	1.594231	0.64188	2.483689	0.013003	0.136295	chr11	53416348	53416621	+	0	NA	Intergeni	ALR/Alpha	1187514	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr2-1331	9.200316	1.848395	0.745197	2.480411	0.013123	0.137173	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	-111131	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr17-485	10.6703	1.590637	0.642801	2.474542	0.013341	0.138154	chr17	48542138	48543626	+	0	NA	3’ UTR (N	3’ UTR (N	-1469	NR_102279	1.01E+08	Hs.171806	NR_102279	ENSG00000	HOXB-AS1	HOXB3OS	HOXB clus	ncRNA
chr18-549	9.686182	1.751671	0.708124	2.473678	0.013373	0.138154	chr18	54924912	54927104	+	0	NA	intron (N	MamRep187	32040	NM_001143	80323	Hs.120790	NM_025214	ENSG00000	CCDC68	SE57-1	coiled-cc	protein-coding
chr19-122	9.686182	1.751671	0.708124	2.473678	0.013373	0.138154	chr19	12247360	12250793	+	0	NA	Intergeni	AluSg4|SI	45536	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KC	zinc fing	protein-coding
chr19-257	9.17555	1.854632	0.750047	2.472689	0.01341	0.138154	chr19	25711233	25711466	+	0	NA	Intergeni	ALR/Alpha	-1547902	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr17-554	9.713155	1.750557	0.708066	2.472309	0.013424	0.138154	chr17	55413069	55414359	+	0	NA	intron (N	intron (N	8121	NM_012329	23531	Hs.463483	NM_012329	ENSG00000	MMD	MMA|MMD1|	monocyte	protein-coding
chr7-1117	8.685269	1.956728	0.791568	2.471965	0.013437	0.138154	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	L1MEf|LIN	-31010	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr1-1226	10.68268	1.588423	0.643736	2.467509	0.013606	0.139126	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1148295	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9310	10.68268	1.588423	0.643736	2.467509	0.013606	0.139126	chr2	93100686	93100915	+	0	NA	Intergeni	ALR/Alpha	1107619	NR_146107	728034		NR_146105		BMS1P14	-	BMS1 pseu	pseudo
chr1-1788	9.698564	1.748887	0.70958	2.46468	0.013714	0.139849	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1PA2|LIN	-26125	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr1-1230	15.62421	1.0452	0.425051	2.458996	0.013933	0.141698	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1531124	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr3-9157	51.98639	0.758009	0.308593	2.456337	0.014036	0.142092	chr3	91572763	91572986	+	0	NA	Intergeni	ALR/Alpha	2401207	NM_001314	5627	Hs.64016	NM_000313	ENSG00000	PROS1	PROS|PS21	protein S	protein-coding
chr1-1241	12.95208	1.276654	0.519797	2.456064	0.014047	0.142092	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2659994	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-408	21.34862	0.806655	0.3296	2.447376	0.01439	0.145174	chr10	40847368	40848517	+	0	NA	Intergeni	ALR/Alpha	1520103	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr5-4890	15.15515	1.072556	0.438788	2.444361	0.014511	0.145855	chr5	48902736	48903032	+	0	NA	Intergeni	ALR/Alpha	1538404	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr5-4732	15.14056	-1.072	0.438668	-2.44376	0.014535	0.145855	chr5	47325082	47326421	+	0	NA	Intergeni	ALR/Alpha	-1629371	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr6-3667	12.44145	-1.32212	0.541588	-2.44119	0.014639	0.146507	chr6	36678787	36686308	+	0	NA	intron (N	intron (N	3833	NM_000389	1026	Hs.370771	NM_000389	ENSG00000	CDKN1A	CAP20|CDK	cyclin de	protein-coding
chr12-124	15.12376	-1.07023	0.438872	-2.4386	0.014744	0.147171	chr12	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	1640	NM_021009	7316	Hs.520348	NM_021009	ENSG00000	UBC	HMG20	ubiquitin	protein-coding
chr1-1240	43.99295	-0.81111	0.332956	-2.43608	0.014848	0.147808	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2579739	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1226	26.60997	-0.73595	0.302831	-2.43024	0.015089	0.149813	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1163975	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-269	18.36489	-0.88953	0.366823	-2.42495	0.015311	0.151616	chr19	26924473	26925713	+	0	NA	Intergeni	ALR/Alpha	-868338	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr20-270	17.89141	-0.90594	0.375187	-2.41463	0.015751	0.155569	chr20	27054773	27055564	+	0	NA	Intergeni	ALR/Alpha	-845935	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1244	17.83746	-0.906	0.37552	-2.41265	0.015837	0.156006	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2935592	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr6-5927	90.66336	-0.59065	0.245367	-2.40721	0.016075	0.157935	chr6	59276231	59276430	+	0	NA	Intergeni	ALR/Alpha	-1314884	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr1-2346	11.44274	-1.42189	0.592242	-2.40086	0.016357	0.15993	chr1	2.35E+08	2.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2842	NM_182972	359948	Hs.350268	NM_182972	ENSG00000	IRF2BP2	CVID14	interfero	protein-coding
chr12-921	11.42815	-1.42065	0.591959	-2.39992	0.016399	0.15993	chr12	92141869	92145285	+	0	NA	promoter-	promoter-	-746	NR_132341	256021	Hs.651357	NM_001256	ENSG00000	LINC01619	C12orf79	long inte	ncRNA
chr1-1225	17.337	-0.92339	0.384781	-2.39977	0.016405	0.15993	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1035182	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9299	36.84323	-0.82181	0.342821	-2.39719	0.016521	0.160647	chr2	92994221	92994573	+	0	NA	Intergeni	ALR/Alpha	1053264	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-1504	8.432036	-1.90616	0.796041	-2.39455	0.016641	0.16139	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	7526	NM_005168	390	Hs.6838	NM_005168	ENSG00000	RND3	ARHE|Rho8	Rho famil	protein-coding
chr1-1245	16.86352	-0.94175	0.394621	-2.38648	0.01701	0.164551	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3000511	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-403	13.65599	-1.16189	0.487738	-2.3822	0.01721	0.165859	chr10	40396881	40397628	+	0	NA	Intergeni	ALR/Alpha	1700658	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr5-4913	10.91531	-1.479	0.620988	-2.38168	0.017234	0.165859	chr5	49134512	49136221	+	0	NA	Intergeni	ALR/Alpha	1305922	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1717	10.92769	-1.47699	0.620748	-2.37937	0.017342	0.166478	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	33023	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr1-2064	10.94008	-1.47494	0.6226	-2.36901	0.017836	0.170781	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-49059	NM_001193	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr9-9653	8.415238	-1.89851	0.802096	-2.36693	0.017936	0.171304	chr9	96538999	96539222	+	0	NA	exon (NM_	exon (NM_	27721	NM_001351	8555	Hs.40582	NM_003671	ENSG00000	CDC14B	CDC14B3|C	cell divi	protein-coding
chr17-554	10.41486	-1.54206	0.651803	-2.36583	0.01799	0.17138	chr17	55403434	55405405	+	0	NA	intron (N	intron (N	17416	NM_012329	23531	Hs.463483	NM_012329	ENSG00000	MMD	MMA|MMD1|	monocyte	protein-coding
chr19-271	13.1825	-1.19573	0.507541	-2.35594	0.018476	0.175569	chr19	27105822	27106563	+	0	NA	Intergeni	ALR/Alpha	-687239	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-1867	9.902017	-1.61548	0.686209	-2.35421	0.018562	0.175615	chr4	1.87E+08	1.87E+08	+	0	NA	Intergeni	CpG-21708	-1174	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr17-404	9.443124	-1.6968	0.720823	-2.35397	0.018574	0.175615	chr17	40443944	40458809	+	0	NA	intron (N	CR1_Mam|L	7926	NM_001552	3487	Hs.462998	NM_001552	ENSG00000	IGFBP4	BP-4|HT29	insulin l	protein-coding
chr5-4773	15.83563	-0.98204	0.4185	-2.34657	0.018947	0.17869	chr5	47735194	47736041	+	0	NA	Intergeni	ALR/Alpha	-2039237	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr11-526	20.03611	-0.80011	0.341682	-2.34167	0.019198	0.180601	chr11	52690121	52690618	+	0	NA	Intergeni	ALR/Alpha	1913629	NM_001004	119749	Hs.553564	NM_001004	ENSG00000	OR4C46	-	olfactory	protein-coding
chr1-1229	15.37895	-1.00574	0.43055	-2.33594	0.019494	0.182936	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1410561	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-575	12.65507	-1.23297	0.528193	-2.33433	0.019579	0.18327	chr19	57570715	57577931	+	0	NA	intron (N	MER74B|LT	4588	NM_017879	55659	Hs.247711	NM_017879	ENSG00000	ZNF416	-	zinc fing	protein-coding
chr20-264	40.9316	-0.80649	0.345799	-2.33225	0.019688	0.183833	chr20	26470228	26470461	+	0	NA	Intergeni	ALR/Alpha	-261111	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr18-180	23.05699	-0.73574	0.316156	-2.32715	0.019957	0.185887	chr18	18045689	18045908	+	0	NA	Intergeni	ALR/Alpha	-2719879	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr10-411	14.85594	-1.03224	0.444891	-2.32021	0.020329	0.188888	chr10	41187960	41188561	+	0	NA	Intergeni	ALR/Alpha	1179785	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr11-515	33.15931	-0.7429	0.320885	-2.31514	0.020605	0.190577	chr11	51560434	51561031	+	0	NA	Intergeni	ALR/Alpha	1151585	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4902	12.15682	-1.27583	0.551228	-2.31452	0.020639	0.190577	chr5	49027237	49029164	+	0	NA	Intergeni	ALR/Alpha	1413088	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr19-263	27.34085	-0.69755	0.301438	-2.31408	0.020663	0.190577	chr19	26390823	26391700	+	0	NA	Intergeni	ALR/Alpha	-1402170	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-172	12.14223	-1.27474	0.551395	-2.31185	0.020786	0.190818	chr10	17229570	17237452	+	0	NA	intron (N	intron (N	-3526	NR_108061	1.01E+08	Hs.740502	NR_108060	ENSG00000	VIM-AS1	-	VIM antis	ncRNA
chr2-9275	18.09707	-0.85625	0.370388	-2.31176	0.020791	0.190818	chr2	92758961	92759226	+	0	NA	Intergeni	ALR/Alpha	817960	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr9-4358	18.04888	-0.85444	0.370724	-2.30479	0.021178	0.193903	chr9	43588022	43588348	+	0	NA	Intergeni	ALR/Alpha	462019	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-285	11.65858	-1.32313	0.576773	-2.29402	0.02179	0.199015	chr20	28525634	28526317	+	0	NA	Intergeni	ALR/Alpha	76690	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr1-9453	11.65637	-1.32027	0.576293	-2.29097	0.021965	0.199649	chr1	94534604	94541547	+	0	NA	intron (N	intron (N	3684	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr19-269	11.65637	-1.32027	0.576293	-2.29097	0.021965	0.199649	chr19	26938609	26939623	+	0	NA	Intergeni	ALR/Alpha	-854315	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-271	11.6294	-1.32073	0.577116	-2.28851	0.022108	0.200464	chr19	27168301	27169258	+	0	NA	Intergeni	ALR/Alpha	-624652	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr9-4380	12.09846	-1.27138	0.55651	-2.28457	0.022338	0.201713	chr9	43808182	43808553	+	0	NA	Intergeni	ALR/Alpha	682201	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr20-506	8.162005	-1.84578	0.808023	-2.28432	0.022353	0.201713	chr20	50607156	50616508	+	0	NA	intron (N	intron (N	2953	NR_031634	1E+08		NR_031634	ENSG00000	MIR1302-5	MIRN1302-	microRNA	ncRNA
chr10-399	11.61481	-1.31953	0.578609	-2.28052	0.022577	0.202763	chr10	39997253	39997700	+	0	NA	Intergeni	ALR/Alpha	1300880	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr19-362	11.61481	-1.31953	0.578609	-2.28052	0.022577	0.202763	chr19	36276070	36278175	+	0	NA	Intergeni	(GT)n|Sim	-31194	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr17-783	11.15812	-1.37239	0.603273	-2.27491	0.022911	0.20485	chr17	78357152	78359114	+	0	NA	3’ UTR (N	3’ UTR (N	1946	NM_003955	9021	Hs.527973	NM_003955	ENSG00000	SOCS3	ATOD4|CIS	suppresso	protein-coding
chr12-349	8.132825	-1.84164	0.809908	-2.27389	0.022973	0.20485	chr12	34928803	34929002	+	0	NA	Intergeni	ALR/Alpha	906406	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr19-200	8.132825	-1.84164	0.809908	-2.27389	0.022973	0.20485	chr19	20005600	20008700	+	0	NA	exon (NM_	exon (NM_	32105	NM_001077	91120	Hs.306298	NM_033196	ENSG00000	ZNF682	BC39498_3	zinc fing	protein-coding
chr10-407	34.52134	-0.74788	0.329234	-2.27158	0.023112	0.205604	chr10	40771382	40771646	+	0	NA	Intergeni	ALR/Alpha	1596531	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr15-395	11.15591	-1.3692	0.604146	-2.26633	0.023431	0.207922	chr15	39581457	39596715	+	0	NA	exon (NM_	exon (NM_	8007	NM_003246	7057	Hs.164226	NM_003246	ENSG00000	THBS1	THBS|THBS	thrombosp	protein-coding
chr19-531	11.12894	-1.36976	0.604622	-2.26548	0.023483	0.207922	chr19	53108453	53109426	+	0	NA	exon (NM_	exon (NM_	-5505	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr1-1560	8.145207	-1.83786	0.81255	-2.26184	0.023707	0.209412	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	5450	NM_001093	92312	Hs.591496	NM_001093	ENSG00000	MEX3A	MEX-3A|RK	mex-3 RNA	protein-coding
chr1-1717	11.11435	-1.36842	0.606834	-2.25501	0.024133	0.212401	chr1	1.72E+08	1.72E+08	+	0	NA	3’ UTR (N	3’ UTR (N	37812	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr11-519	13.35677	-1.11764	0.49591	-2.25371	0.024215	0.212401	chr11	51965636	51966224	+	0	NA	Intergeni	ALR/Alpha	1556783	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr5-4953	13.35677	-1.11764	0.49591	-2.25371	0.024215	0.212401	chr5	49535216	49536838	+	0	NA	Intergeni	ALR/Alpha	905261	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1247	13.34439	-1.11871	0.49681	-2.25178	0.024336	0.21297	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3210979	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr14-539	8.645664	-1.73259	0.770633	-2.24827	0.024559	0.214421	chr14	53949516	53953126	+	0	NA	intron (N	intron (N	2154	NM_001347	652	Hs.68879	NM_001202	ENSG00000	BMP4	BMP2B|BMP	bone morp	protein-coding
chr19-260	9.631986	-1.5618	0.698295	-2.23659	0.025313	0.220493	chr19	26033642	26033865	+	0	NA	Intergeni	ALR/Alpha	-1759678	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-6023	9.644369	-1.55913	0.698058	-2.23352	0.025515	0.221736	chr7	60234792	60235021	+	0	NA	Intergeni	ALR/Alpha	2784729	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr10-415	9.119147	-1.64337	0.736462	-2.23144	0.025652	0.222419	chr10	41504919	41505118	+	0	NA	Intergeni	ALR/Alpha	863027	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr6-5964	80.74272	-0.56228	0.252552	-2.22641	0.025987	0.224799	chr6	59640061	59640293	+	0	NA	Intergeni	ALR/Alpha	-1678731	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr21-371	8.616483	-1.72857	0.777885	-2.22214	0.026274	0.22676	chr21	37121291	37121490	+	0	NA	intron (N	intron (N	38443	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr1-1490	9.104556	-1.64154	0.739842	-2.21878	0.026502	0.227726	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	57450	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr10-409	18.83591	-0.79325	0.357628	-2.21809	0.026548	0.227726	chr10	40967478	40967700	+	0	NA	Intergeni	ALR/Alpha	1400456	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-121	15.11113	-0.96763	0.436296	-2.21782	0.026567	0.227726	chr19	12130246	12138469	+	0	NA	intron (N	intron (N	5993	NM_021143	7568	Hs.512823	NM_021143	ENSG00000	ZNF20	KOX13	zinc fing	protein-coding
chr3-1225	8.076671	-1.83902	0.830939	-2.21318	0.026885	0.229929	chr3	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	-13485	NR_026698	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr15-525	9.170885	-1.636	0.740242	-2.21009	0.027099	0.23123	chr15	52597886	52598179	+	0	NA	intron (N	AluSx|SIN	-28586	NM_001306	10776	Hs.512908	NM_006628	ENSG00000	ARPP19	ARPP-16|A	cAMP regu	protein-coding
chr11-520	15.07974	-0.96525	0.437265	-2.20746	0.027282	0.232265	chr11	52039343	52039613	+	0	NA	Intergeni	ALR/Alpha	1630331	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr15-603	8.601893	-1.72646	0.784397	-2.201	0.027736	0.235599	chr15	60363420	60363723	+	0	NA	intron (N	intron (N	34415	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr10-414	14.59608	-0.98981	0.451294	-2.19327	0.028288	0.239749	chr10	41438956	41440503	+	0	NA	Intergeni	ALR/Alpha	928316	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr10-415	11.84523	-1.22838	0.563025	-2.18175	0.029128	0.246313	chr10	41575889	41577251	+	0	NA	Intergeni	ALR/Alpha	791475	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr20-279	32.53967	-0.6995	0.322365	-2.16992	0.030013	0.253227	chr20	27957889	27958096	+	0	NA	Intergeni	ALR/Alpha	644673	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr18-170	11.36157	-1.27548	0.589525	-2.16357	0.030497	0.256738	chr18	17055628	17056081	+	0	NA	Intergeni	ALR/Alpha	-1729935	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr1-1236	16.76776	-0.85082	0.393671	-2.16125	0.030676	0.257667	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2180449	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr10-377	10.8735	-1.3211	0.615026	-2.14804	0.031711	0.265762	chr10	3777864	3784528	+	0	NA	intron (N	intron (N	4013	NR_027653	1316	Hs.4055	NM_001300	ENSG00000	KLF6	BCD1|CBA1	Kruppel l	protein-coding
chr7-5932	12.27273	-1.18387	0.552082	-2.14437	0.032003	0.267617	chr7	59321009	59321546	+	0	NA	Intergeni	ALR/Alpha	1871100	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1247	10.88588	-1.31912	0.615817	-2.14206	0.032189	0.268035	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3244273	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-267	13.60976	-1.0411	0.486046	-2.14197	0.032196	0.268035	chr19	26734101	26734918	+	0	NA	Intergeni	ALR/Alpha	-1058922	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-2674	8.390223	-1.67408	0.782353	-2.13981	0.03237	0.268895	chr4	26748640	26748993	+	0	NA	intron (N	intron (N	111428	NR_134675	1.05E+08	Hs.548859	NR_134673		STIM2-AS1	-	STIM2 ant	ncRNA
chr10-914	8.375633	-1.67205	0.782386	-2.13712	0.032588	0.27004	chr10	91464553	91464769	+	0	NA	TTS (NM_1	TTS (NM_1	54376	NR_104291	143279	Hs.596096	NM_173497	ENSG00000	HECTD2	-	HECT doma	protein-coding
chr1-1656	21.50364	-0.69621	0.325915	-2.13617	0.032666	0.27004	chr1	16561427	16589697	+	0	NA	intron (N	intron (N	26648	NR_037446	1.01E+08		NR_037446	ENSG00000	MIR3675	-	microRNA	ncRNA
chr19-116	15.82521	-0.88658	0.415585	-2.13333	0.032898	0.27004	chr19	11613552	11621938	+	0	NA	exon (NM_	exon (NM_	20262	NM_001290	199692	Hs.526665	NM_145295	ENSG00000	ZNF627	-	zinc fing	protein-coding
chr5-4909	10.38763	-1.3752	0.645023	-2.13202	0.033005	0.27004	chr5	49096248	49096467	+	0	NA	Intergeni	ALR/Alpha	1344931	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-6301	8.361042	-1.66999	0.784311	-2.12925	0.033234	0.27004	chr2	63016548	63016956	+	0	NA	intron (N	intron (N	30959	NR_027069	1E+08	Hs.656781	NR_027069	ENSG00000	LOC100132	-	uncharact	ncRNA
chr7-9441	10.37304	-1.37369	0.645195	-2.12911	0.033245	0.27004	chr7	94414931	94430903	+	0	NA	intron (N	intron (N	28356	NM_000089	1278	Hs.489142	NM_000089	ENSG00000	COL1A2	EDSARTH2|	collagen	protein-coding
chr1-1505	13.08674	-1.07369	0.504392	-2.12869	0.03328	0.27004	chr1	1.51E+08	1.51E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-1123	NR_104133	574406	Hs.516243	NM_001025	ENSG00000	ADAMTSL4-	C1orf138	ADAMTSL4	ncRNA
chr10-413	13.08674	-1.07369	0.504392	-2.12869	0.03328	0.27004	chr10	41308486	41308775	+	0	NA	Intergeni	ALR/Alpha	1059415	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1489	13.09913	-1.07256	0.504193	-2.12729	0.033396	0.27004	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	27259	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr19-284	13.09913	-1.07256	0.504193	-2.12729	0.033396	0.27004	chr19	2848332	2857135	+	0	NA	exon (NM_	exon (NM_	11258	NM_001172	148254	Hs.47712	NM_152791	ENSG00000	ZNF555	-	zinc fing	protein-coding
chr1-1239	8.890679	-1.58608	0.746048	-2.12597	0.033505	0.27004	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2392180	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr2-9265	8.876089	-1.58418	0.745284	-2.1256	0.033536	0.27004	chr2	92654989	92655622	+	0	NA	Intergeni	ALR/Alpha	714172	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-506	8.876089	-1.58418	0.745284	-2.1256	0.033536	0.27004	chr20	50617549	50627237	+	0	NA	intron (N	AluSz|SIN	-7608	NR_031634	1E+08		NR_031634	ENSG00000	MIR1302-5	MIRN1302-	microRNA	ncRNA
chr7-1405	8.876089	-1.58418	0.745284	-2.1256	0.033536	0.27004	chr7	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	40280	NR_134477	27147	Hs.6385	NM_015689	ENSG00000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr5-4957	13.07215	-1.07279	0.504837	-2.12502	0.033585	0.27004	chr5	49572670	49574932	+	0	NA	Intergeni	ALR/Alpha	867487	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr2-9223	19.54558	-0.73542	0.346672	-2.12138	0.03389	0.271042	chr2	92232499	92232949	+	0	NA	Intergeni	ALR/Alpha	291591	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr11-100	8.334069	-1.6714	0.788354	-2.12012	0.033996	0.271042	chr11	10079794	10080116	+	0	NA	intron (N	L1M2|LINE	214252	NM_030962	81846	Hs.577252	NM_030962	ENSG00000	SBF2	CMT4B2|DE	SET bindi	protein-coding
chr19-263	9.391136	-1.50962	0.712225	-2.11958	0.034041	0.271042	chr19	26316270	26317176	+	0	NA	Intergeni	ALR/Alpha	-1476708	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-896	8.388016	-1.6685	0.787329	-2.11918	0.034075	0.271042	chr15	89628436	89628817	+	0	NA	TTS (NM_1	TTS (NM_1	26841	NM_198525	374654	Hs.513134	NM_198525	ENSG00000	KIF7	ACLS|AGBK	kinesin f	protein-coding
chr2-1504	9.860204	-1.43496	0.677344	-2.1185	0.034132	0.271042	chr2	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	14578	NM_005168	390	Hs.6838	NM_005168	ENSG00000	RND3	ARHE|Rho8	Rho famil	protein-coding
chr5-9546	9.361955	-1.50606	0.710943	-2.1184	0.034141	0.271042	chr5	95468145	95468466	+	0	NA	intron (N	intron (N	76939	NM_152548	153643	Hs.276287	NM_152548	ENSG00000	FAM81B	-	family wi	protein-coding
chr19-369	8.888472	-1.58105	0.747197	-2.11598	0.034347	0.272097	chr19	36995858	36998082	+	0	NA	exon (NM_	exon (NM_	80638	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr5-5451	9.374338	-1.50327	0.710729	-2.11512	0.03442	0.272105	chr5	54518649	54522158	+	0	NA	3’ UTR (N	3’ UTR (N	2644	NM_001102	112574	Hs.432755	NM_052870	ENSG00000	SNX18	SH3PX2|SH	sorting r	protein-coding
chr19-254	15.31237	-0.90598	0.428579	-2.11393	0.034522	0.272336	chr19	25454775	25456535	+	0	NA	Intergeni	ALR/Alpha	-1292208	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr22-295	8.846908	-1.58035	0.748941	-2.11011	0.034849	0.274346	chr22	29568489	29569820	+	0	NA	intron (N	intron (N	11942	NM_001202	8508	Hs.173878	NM_003634	ENSG00000	NIPSNAP1	-	nipsnap h	protein-coding

chr1-1452	12.58629	-1.10483	0.525303	-2.10323	0.035446	0.277606	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	58061	NM_001278	1E+08	Hs.44508	NM_001278	ENSG0000	NBPF20	-	NBPF mem	protein-coding
chr12-653	12.58629	-1.10483	0.525303	-2.10323	0.035446	0.277606	chr12	6534857	6538393	+	0	NA	intron (N	intron (N	1361	NM_001256	2597	Hs.544577	NM_002046	ENSG0000	GAPDH	G3PD|GAPD	glyceral	protein-coding
chr12-35	28.28536	-0.63205	0.300576	-2.10279	0.035485	0.277606	chr12	35030728	35030959	+	0	NA	Intergeni	ALR/Alpha	1008347	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr1-8905	9.91415	-1.43315	0.682606	-2.09953	0.03577	0.279257	chr1	89052675	89053086	+	0	NA	3' UTR (N	3' UTR (N	12328	NM_002053	2633	Hs.62661	NM_002053	ENSG0000	GBP1	-	guanylate	protein-coding
chr1-1245	14.80174	-0.92812	0.443283	-2.09375	0.036282	0.282669	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3042236	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-249	12.10263	-1.14234	0.548322	-2.08333	0.037221	0.289384	chr19	24944763	24946356	+	0	NA	Intergeni	ALR/Alpha	-782112	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr8-1026	12.10042	-1.13977	0.547906	-2.08023	0.037505	0.290989	chr8	1.03E+08	1.03E+08	+	0	NA	non-codin	non-codin	3864	NM_001032	7071	Hs.435001	NM_005655	ENSG0000	KLF10	EGR-alpha	Kruppel l	protein-coding
chr11-619	12.08583	-1.13865	0.548473	-2.07604	0.03789	0.293376	chr11	61963776	61967191	+	0	NA	TTS (NM_	TTS (NM_	2151	NM_002032	2495	Hs.52491	NM_002032	ENSG0000	FTH1	FHC|FTH|	ferritin	protein-coding
chr10-408	17.05213	-0.79884	0.387206	-2.06309	0.039104	0.302151	chr10	40835250	40835639	+	0	NA	Intergeni	ALR/Alpha	1532601	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr20-265	11.5752	-1.18009	0.573572	-2.05744	0.039644	0.305694	chr20	26557899	26558615	+	0	NA	Intergeni	ALR/Alpha	-349024	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1234	12.0195	-1.14085	0.556597	-2.04969	0.040395	0.310849	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1916830	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr19-259	11.5584	-1.17595	0.575779	-2.04237	0.041115	0.315747	chr19	25963839	25964852	+	0	NA	Intergeni	ALR/Alpha	-1800898	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-271	11.08933	-1.22247	0.599237	-2.04005	0.041346	0.316226	chr19	27188814	27189689	+	0	NA	Intergeni	ALR/Alpha	-604180	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-4770	11.08933	-1.22247	0.599237	-2.04005	0.041346	0.316226	chr5	47700281	47701093	+	0	NA	Intergeni	ALR/Alpha	-2004307	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-124	11.10172	-1.22062	0.599034	-2.03765	0.041585	0.31741	chr19	1249884	1252405	+	0	NA	intron (N	CpG-1301	2591	NM_177401	90007	Hs.465529	NM_177401	ENSG0000	MIDN	-	midnolin	protein-coding
chr5-5594	11.08713	-1.21927	0.599742	-2.033	0.042053	0.319687	chr5	55945996	55947339	+	0	NA	intron (N	AluSz|SIN	48296	NM_001364	3572	Hs.532082	NM_002184	ENSG0000	IL6ST	CD130|CDW	interleuk	protein-coding
chr6-3072	11.08713	-1.21927	0.599742	-2.033	0.042053	0.319687	chr6	30723332	30725788	+	0	NA	non-codin	non-codin	2922	NM_001293	203068	Hs.63648	NM_178014	ENSG0000	TUBB	CDCBM6|CS	tubulin b	protein-coding
chr1-1838	8.093219	-1.61243	0.794387	-2.02977	0.042379	0.32152	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MB1|LIN	-3086	NM_001297	23179	Hs.497148	NM_015149	ENSG0000	RGL1	RGL	ral guani	protein-coding
chr2-9256	11.06015	-1.21977	0.60173	-2.0271	0.042652	0.322934	chr2	92564348	92564553	+	0	NA	Intergeni	ALR/Alpha	623317	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1224	8.1224	-1.61674	0.798519	-2.02468	0.0429	0.323001	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	968809	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr18-838	8.078629	-1.6103	0.795395	-2.02453	0.042916	0.323001	chr18	8386795	8388614	+	0	NA	intron (N	intron (N	-20670	NR_024419	1E+08	Hs.666655	NR_024419	ENSG0000	LOC100192	-	uncharact	ncRNA
chr19-267	11.09951	-1.21738	0.601376	-2.02433	0.042937	0.323001	chr19	26753253	26754252	+	0	NA	Intergeni	ALR/Alpha	-1039679	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr5-4841	15.98489	-0.82941	0.409997	-2.02296	0.043077	0.323001	chr5	48414003	48414324	+	0	NA	Intergeni	ALR/Alpha	2027125	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr19-259	13.30037	-0.99825	0.493727	-2.02187	0.04319	0.323001	chr19	25956140	25957281	+	0	NA	Intergeni	ALR/Alpha	-1793263	NR_003603	1E+08	Hs.149312	NR_003603	ENSG0000	HAVCR1P1	-	hepatitis	pseudo
chr19-575	8.095427	-1.61824	0.800911	-2.02049	0.043332	0.323001	chr19	57511265	57511494	+	0	NA	intron (N	L1ME1|LIN	11441	NR_130705	374928	Hs.579576	NM_198542	ENSG0000	ZNF773	ZNF419B	zinc fing	protein-coding
chr12-110	8.091012	-1.60673	0.795271	-2.02036	0.043346	0.323001	chr12	1.11E+08	1.11E+08	+	0	NA	3' UTR (N	3' UTR (N	15703	NM_001082	79600	Hs.211511	NM_024549	ENSG0000	TCTN1	JBTS13|TE	tectonic	protein-coding
chr5-4952	10.58888	-1.26789	0.62756	-2.02035	0.043347	0.323001	chr5	49526974	49528359	+	0	NA	Intergeni	ALR/Alpha	913622	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-588	8.076421	-1.60455	0.798357	-2.00982	0.04445	0.329084	chr10	58811826	58812035	+	0	NA	intron (N	L2b|LINE|	96915	NR_027508	728640	Hs.729209	NR_027508		FAM133CP	-	family wi	pseudo
chr13-951	8.076421	-1.60455	0.798357	-2.00982	0.04445	0.329084	chr13	95115244	95115894	+	0	NA	intron (N	intron (N	-94775	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr6-1338	8.606058	-1.52376	0.758407	-2.00916	0.04452	0.329084	chr6	1.34E+08	1.34E+08	+	0	NA	TTS (NM_	TTS (NM_	4042	NM_003206	6943	Hs.78061	NM_003206	ENSG0000	TCF21	POD1|bHLH	transcrip	protein-coding
chr1-1823	10.10301	-1.31993	0.65786	-2.00641	0.044813	0.329084	chr1	1.82E+08	1.82E+08	+	0	NA	intron (N	intron (N	5424	NM_001033	2752	Hs.132016	NM_002065	ENSG0000	GLUL	GLNS|GS|P	glutamate	protein-coding
chr16-864	10.10301	-1.31993	0.65786	-2.00641	0.044813	0.329084	chr16	86488680	86491276	+	0	NA	intron (N	L1ME3A|LI	18882	NR_036444	400550	Hs.448825	NR_033925	ENSG0000	FENDRR	FOXF1-AS1	FOXF1 ad	ncRNA
chr12-123	8.591468	-1.52177	0.758469	-2.00636	0.044817	0.329084	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	1247	NR_036187	1E+08		NR_036187	ENSG0000	MIR4304	-	microRNA	ncRNA
chr2-8483	8.051656	-1.61179	0.804029	-2.00464	0.045001	0.329084	chr2	84835693	84835892	+	0	NA	TTS (NM_	TTS (NM_	45292	NM_00108	129293	Hs.469134	NM_00108	ENSG0000	TRABD2A	C2orf89|T	TraB doma	protein-coding
chr1-1217	10.07604	-1.32067	0.658917	-2.0043	0.045038	0.329084	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	234025	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-1226	10.07604	-1.32067	0.658917	-2.0043	0.045038	0.329084	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1134302	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr2-4629	10.07604	-1.32067	0.658917	-2.0043	0.045038	0.329084	chr2	46298721	46299493	+	0	NA	intron (N	CpG	1700	NM_00143	2034	Hs.46841	NM_00143	ENSG0000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr1-2356	10.08842	-1.31833	0.658713	-2.00137	0.045352	0.329498	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	HERVIP10F	-20154	NM_001098	2786	Hs.159711	NM_004485	ENSG0000	GNG4	-	G protein	protein-coding
chr17-501	10.08842	-1.31833	0.658713	-2.00137	0.045352	0.329498	chr17	50184723	50200752	+	0	NA	intron (N	intron (N	8902	NM_000088	1277	Hs.172928	NM_000088	ENSG0000	COL1A1	EDSARTH1|	collagen	protein-coding
chr1-2276	9.106514	-1.44997	0.724791	-2.00053	0.045443	0.329498	chr1	2.28E+08	2.28E+08	+	0	NA	exon (NM_	exon (NM_	42989	NR_036753	401983	Hs.681816	NR_036753		ZNF847P	gm127	zinc fing	pseudo
chr7-5944	9.590173	-1.37914	0.690046	-1.99862	0.04565	0.329498	chr7	59440414	59441309	+	0	NA	Intergeni	ALR/Alpha	1990684	NM_001159	441234	Hs.533121	NM_001159	ENSG0000	ZNF716	-	zinc fing	protein-coding
chr2-2044	12.8145	-1.02623	0.513489	-1.99855	0.045657	0.329498	chr2	20447894	20449244	+	0	NA	3' UTR (N	3' UTR (N	1495	NM_00404	388	Hs.502876	NM_00404	ENSG0000	RHOB	ARH6|ARHE	ras homol	protein-coding
chr9-1105	8.049448	-1.60597	0.803729	-1.99815	0.045701	0.329498	chr9	1.11E+08	1.11E+08	+	0	NA	exon (NM_	exon (NM_	76667	NM_153366	79987	Hs.522334	NM_153366	ENSG0000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr1-2331	8.633031	-1.52252	0.762307	-1.99726	0.045797	0.329498	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	L1ME3B|LI	123579	NM_014801	80003	Hs.370605	NM_014801	ENSG0000	PCNX2	PCNXL2	pecanex 2	protein-coding
chr4-1195	8.603851	-1.51852	0.760548	-1.99661	0.045867	0.329498	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	67523	NR_03763	645513	Hs.677546	NR_03763	ENSG0000	LOC645513	-	septin 7	pseudo
chr4-1195	9.104307	-1.4452	0.723877	-1.99647	0.045883	0.329498	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	Tigger4a|	65151	NR_03763	645513	Hs.677546	NR_03763	ENSG0000	LOC645513	-	septin 7	pseudo
chr17-416	12.79991	-1.02526	0.514292	-1.99353	0.046203	0.331165	chr17	41689500	41693207	+	0	NA	3' UTR (N	3' UTR (N	2468	NM_005801	10209	Hs.15058	NM_005801	ENSG0000	EIF1	A121|EIF-	eukaryoti	protein-coding
chr10-403	10.07383	-1.3167	0.660957	-1.99211	0.046359	0.331652	chr10	40378442	40379131	+	0	NA	Intergeni	ALR/Alpha	1682190	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr11-513	15.00298	-0.86639	0.435777	-1.98816	0.046794	0.334128	chr11	51374666	51374930	+	0	NA	Intergeni	ALR/Alpha	965651	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-9275	10.08621	-1.31428	0.663475	-1.9809	0.047602	0.339258	chr2	92755580	92755905	+	0	NA	Intergeni	ALR/Alpha	814609	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr2-9223	12.34323	-1.05772	0.535543	-1.97505	0.048263	0.343313	chr2	92235686	92236549	+	0	NA	Intergeni	ALR/Alpha	294984	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr16-887	8.04724	-1.59998	0.811216	-1.97232	0.048573	0.344868	chr16	88734209	88734675	+	0	NA	exon (NM_	exon (NM_	3262	NR_103774	1E+08	Hs.437712	NM_207451		LOC100289	-	uncharact	ncRNA
chr1-1558	12.31405	-1.05558	0.535916	-1.96967	0.048877	0.34507	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSx1|SI	8226	NM_001256	6016	Hs.491234	NM_006912	ENSG0000	RIT1	NS8|RIBB|	Ras like	protein-coding
chr1-2033	12.31405	-1.05558	0.535916	-1.96967	0.048877	0.34507	chr1	2.03E+08	2.03E+08	+	0	NA	3' UTR (N	3' UTR (N	2271	NM_006763	7832	Hs.519162	NM_006763	ENSG0000	BTG2	APRO1|PC3	BTG anti-	protein-coding
chr20-264	12.31405	-1.05558	0.535916	-1.96967	0.048877	0.34507	chr20	26441028	26442228	+	0	NA	Intergeni	ALR/Alpha	-232395	NR_040095	284801	Hs.370699	NR_040095	ENSG0000	MIR663AHG	-	MIR663A h	ncRNA
chr22-395	14.54188	-0.88454	0.449453	-1.96804	0.049063	0.345284	chr22	39521137	39522694	+	0	NA	exon (NM_	exon (NM_	1351	NM_18281	468	Hs.496487	NM_001675	ENSG0000	ATF4	CREB-2|CR	activatin	protein-coding
chr5-1501	8.547697	-1.5156	0.7702	-1.96781	0.04909	0.345284	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	-16019	NM_005211	1436	Hs.586219	NM_005211	ENSG0000	CSF1R	C-FMS|CD1	colony st	protein-coding
chr11-942	11.81801	-1.09294	0.558779	-1.95594	0.050472	0.354341	chr11	94235881	94237578	+	0	NA	Intergeni	L1PA2|LIN	-68908	NM_001199	390243	Hs.553758	NM_00108	ENSG0000	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr1-1455	11.84719	-1.09535	0.561061	-1.95228	0.050905	0.356359	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	L1P2|LINE	25938	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG0000	NBPF25P	WI2-925H4	NBPF mem	pseudo
chr1-1460	11.8158	-1.09022	0.558767	-1.95111	0.051044	0.356359	chr1	1.46E+08	1.46E+08	+	0	NA	exon (NM_	exon (NM_	42937	NM_001039	1E+08	Hs.714127	NM_001039	ENSG0000	NBPF10	AB6|AG1|N	NBPF mem	protein-coding
chr1-1738	11.8158	-1.09022	0.558767	-1.95111	0.051044	0.356359	chr1	1.74E+08	1.74E+08	+	0	NA	promoter-	promoter-	170	NR_003939	26770		NR_003939		SNORD79	RNU103|U7	small nuc	snoRNA
chr19-439	14.04364	-0.90636	0.465519	-1.94698	0.051537	0.359137	chr19	43962127	43971577	+	0	NA	exon (NM_	exon (NM_	15607	NM_013359	7638	Hs.631598	NM_013359	ENSG0000	ZNF221	-	zinc fing	protein-coding
chr12-372	11.82818	-1.08865	0.559927	-1.94428	0.051862	0.360732	chr12	37235425	37236174	+	0	NA	Intergeni	ALR/Alpha	-1080975	NM_001013	144245	Hs.259305	NM_001013	ENSG0000	ALG10B	ALG10|KCR	ALG10 alp	protein-coding
chr12-359	14.08741	-0.90862	0.467583	-1.94322	0.05199	0.360953	chr12	35998372	35999077	+	0	NA	Intergeni	ALR/Alpha	1976228	NM_032834	84920	Hs.102971	NM_032834	ENSG0000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr10-414	16.24229	-0.77559	0.402768	-1.92566	0.054147	0.375238	chr10	41494385	41495161	+	0	NA	Intergeni	ALR/Alpha	873272	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr17-197	10.8193	-1.17075	0.611444	-1.91474	0.055526	0.382609	chr17	19795959	19797585	+	0	NA	intron (N	LTR22C0|L	-48474	NM_000691	218	Hs.531682	NM_000691	ENSG0000	ALDH3A1	ALDH3|ALD	aldehyde	protein-coding
chr7-7701	10.80471	-1.16933	0.611623	-1.91185	0.055895	0.382609	chr7	77015474	77016238	+	0	NA	intron (N	intron (N	14714	NM_001351	1.01E+08	Hs.645327	NM_001351	ENSG0000	SPDYE11	-	speedy/RI	protein-coding
chr10-405	10.80692	-1.17273	0.613622	-1.91117	0.055983	0.382609	chr10	40514545	40515204	+	0	NA	Intergeni	ALR/Alpha	1818278	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1543	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	14026	NM_001367	57198	Hs.43570	NM_020452	ENSG0000	ATP8B2	ATPID	ATPase ph	protein-coding
chr1-2018	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	4700	NR_031599	1E+08		NR_031599	ENSG0000	MIR1231	MIRN1231|	microRNA	ncRNA
chr1-2030	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	9105	NR_146289	92703	Hs.497443	NM_138391	ENSG0000	TMEM183A	C1orf37	transmemb	protein-coding
chr12-104	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	AluJb|SIN	7714	NM_182742	7296	Hs.654922	NM_00333	ENSG0000	TXNRD1	GRIM-12|T	thioredox	protein-coding
chr3-1867	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr3	1.87E+08	1.87E+08	+	0	NA	promoter-	promoter-	125	NR_145766	1.1E+08		NR_145766	ENSG0000	SNORA63B	-	small nuc	snoRNA
chr9-6067	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr9	60673585	60674540	+	0	NA	Intergeni	ALR/Alpha	-240345	NM_001113	727905	Hs.645497	NM_001113	ENSG0000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr9-7235	10.8171	-1.16738	0.611429	-1.90927	0.056227	0.382609	chr9	72353821	72364308	+	0	NA	intron (N	intron (N	5492	NM_001278	7763	Hs.406096	NM_006007	ENSG0000	ZFAND5	ZA20D2|ZF	zinc fing	protein-coding
chr22-456	10.82948	-1.1654	0.613223	-1.90046	0.057373	0.389259	chr22	45693346	45694539	+	0	NA	intron (N	MLT1B|LTR	22108	NM_013236	25814	Hs.475125	NM_013236	ENSG0000	ATXN10	E46L|HUMB	ataxin 10	protein-coding
chr1-1544	10.31885	-1.21416	0.640101	-1.89683	0.05785	0.389259	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-29181	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG0000	IL6R-AS1	-	IL6R anti	ncRNA
chr1-2037	10.31885	-1.21416	0.640101	-1.89683	0.05785	0.389259	chr1	2.04E+08	2.04E+08	+	0	NA	non-codin	non-codin	588	NR_046213	84719	Hs.661178	NM_032633		LINC00260	C1orf217|	long inte	ncRNA
chr19-271	13.03034	-0.95284	0.502338	-1.89682	0.057852	0.389259	chr19	27172177	27174440	+	0	NA	Intergeni	ALR/Alpha	-620123	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG0000	LOC101927	-	uncharact	ncRNA
chr7-7704	10.34803	-1.21729	0.642414	-1.89487	0.05811	0.389259	chr7	77042946	77043974	+	0	NA	intron (N	intron (N	3980	NR_028058	1E+08	Hs.292996	NM_001129851		PMS2P9	PMS2L17|P	PMS1 hom	pseudo
chr12-118	10.33564	-1.21951	0.643807	-1.89422	0.058196	0.389259	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-23265	NM_001346	51347	Hs.644420	NM_016281	ENSG0000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr1-2059	8.321437	-1.45862	0.770915	-1.89206	0.058482	0.389259	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	1847	NM_177403	338382	Hs.534612	NM_177403	ENSG0000	RAB7B	RAB7	RAB7B, me	protein-coding
chr13-951	8.321437	-1.45862	0.770915	-1.89206	0.058482	0.389259	chr13	95172814	95176808	+	0	NA	intron (N	intron (N	-35533	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr14-770	8.321437	-1.45862	0.770915	-1.89206	0.058482	0.389259	chr14	77023755	77027189	+	0	NA	exon (NM_	exon (NM_	3236	NM_024496	64207	Hs.17926	NM_024496	ENSG0000	IRF2BPL	C14orf4|E	interfero	protein-coding
chr1-1549	10.30426	-1.21261	0.640938	-1.89193	0.0585	0.389259	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-4362	NM_13830	90780	Hs.533597	NM_13830	ENSG0000	PYGO2	1190004M2	pygopus f	protein-coding
chr9-6065	10.30426	-1.21261	0.640938	-1.89193	0.0585	0.389259	chr9	60652976	60653796	+	0	NA	Intergeni	ALR/Alpha	-261021	NM_001113	727905	Hs.645497	NM_001113	ENSG0000	SPATA31A5	FAM75A5	SPATA31 s	protein-coding
chr9-9501	8.323645	-1.46407	0.774364	-1.89068	0.058667	0.389259	chr9	95019752	95020454	+	0	NA	intron (N	MIR3|SINE	-45247	NR_106729	1.02E+08		NR_106729	ENSG0000	MIR6081	hsa-mir-6	microRNA	ncRNA
chr1-2309	8.306847	-1.45652	0.771952	-1.88681	0.059187	0.389259	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	L1MEg|LIN	45221	NR_110681	1.02E+08	Hs.638929	NR_110681	ENSG0000	LOC101927	-	uncharact	ncRNA
chr21-269	8.306847	-1.45652	0.771952	-1.88681	0.059187	0.389259	chr21	26929528	26933329	+	0	NA	intron (N	intron (N	-22533	NR_039916	1.01E+08		NR_039916	ENSG0000	MIR4759	-	microRNA	ncRNA
chr1-1239	9.820598	-1.26656	0.671478	-1.88623	0.059264	0.389259	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2443131	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr10-402	12.98878	-0.95211	0.505047	-1.88519	0.059404	0.389259	chr10	40288160	40289699	+	0	NA	Intergeni	ALR/Alpha	1592333	NR_04500	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr6-1249	8.294464	-1.45986	0.77441	-1.88513	0.059413	0.389259	chr6	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	-33170	NM_001286	154214	Hs.12876	NM_152553	ENSG0000	RNF217	C6orf172|	ring fing	protein-coding
chr15-434	9.832981	-1.26413	0.67129	-1.88313	0.059682	0.389259	chr15	43430597	43432738	+	0	NA	intron (N	intron (N	60566	NM_014444	27229	Hs.584887	NM_014444	ENSG0000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr1-1544	8.33382	-1.45528	0.773148	-1.88228	0.059799	0.389259	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSz6|SI	-34149	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG0000	IL6R-AS1	-	IL6R anti	ncRNA
chr6-3717	9.81839	-1.26244	0.671455	-1.88016	0.060086	0.389259	chr6	37171809	37175921	+	0	NA	intron (N	intron (N	3713	NM_001243	5292	Hs.81170	NM_002648	ENSG0000	PIM1	PIM	Pim-1 pro	protein-coding
chr9-1104	8.807303	-1.38576	0.737703	-1.87848	0.060315	0.389259	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-66431	NM_001286	255220	Hs.147064	NM_001003	ENSG0000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr1-1544	9.320142	-1.3211	0.703379	-1.87821	0.060352	0.389259	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-47043	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG0000	IL6R-AS1	-	IL6R anti	ncRNA
chr1-1717	9.320142	-1.3211	0.703379	-1.87821	0.060352	0.389259	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	AluJb|SIN	27460	NR_033704	8674	Hs.6651	NM_003762	ENSG0000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr7-1406	9.320142	-1.3211	0.703379	-1.87821	0.060352	0.389259	chr7	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	1074	NR_134477	27147	Hs.6385	NM_015689	ENSG0000	DENND2A	FAM31D|KI	DENN doma	protein-coding
chr1-2024	9.307759	-1.32382	0.705235	-1.87713	0.060501	0.389259	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	33562	NM_032103	4660	Hs.444403	NM_002481	ENSG0000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr10-114	9.307759	-1.32382	0.705235	-1.87713	0.060501	0.389259	chr10	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSg|SIN	37150	NR_031747	1E+08		NR_031747	ENSG0000	MIR2110	hsa-mir-2	microRNA	ncRNA
chr4-1195	8.319229	-1.45316	0.774199	-1.87699	0.06052	0.389259	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	60875	NR_03763	645513	Hs.677546	NR_03763	ENSG0000	LOC645513	-	septin 7	pseudo
chr1-1244	10.30205	-1.20881	0.644138	-1.87663	0.060569	0.389259	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2902300	NR_003955	647121	Hs.697682	NR_003955	ENSG0000	EMBP1	-	embigin p	pseudo
chr1-7827	8.292256	-1.4544	0.77505	-1.87652	0.060583	0.389259	chr1	7827170	7827928	+	0	NA	exon (NM_	exon (NM_	25516	NM_006786	10911	Hs.715862	NM_006786	ENSG0000	UTS2	PRO1068|U	urotensin	protein-coding
chr5-1773	8.292256	-1.4544	0.77505	-1.87652	0.060583	0.389259	chr5	1.77E+08	1.77E+08	+	0	NA	Intergeni	Intergeni	-18450	NM_03130	83463	Hs.743332	NM_03130	ENSG0000	MXD3	BHLHC13|M	MAX dimer	protein-coding
chr5-4883	9.349323	-1.32476	0.706452	-1.87523	0.060761	0.389259	chr5	48837776	48838444	+	0	NA	Intergeni	ALR/Alpha	1603178	NM_198449	133418	Hs.561411	NM_198449	ENSG0000	EMB	GP70	embigin	protein-coding
chr10-494	8.819686	-1.38275	0.737559	-1.87477	0.060825	0.389259	chr10	49473944	49474143	+	0	NA	exon (NM_	exon (NM_	50238	NM_170753	267004	Hs.49063	NM_170753	ENSG0000	PGBD3	-	piggyBac	protein-coding
chr16-864	8.819686	-1.38275	0.737559	-1.87477	0.060825	0.389259	chr16	86475969	86476911	+	0	NA	non-codin	non-codin	32420	NR_036444	400550	Hs.448825	NR_033925	ENSG0000	FENDRR	FOXF1-AS1	FOXF1 ad	ncRNA
chr17-808	8.819686	-1.38275	0.737559	-1.87477	0.060825	0.389259	chr17	808978	810417	+	0	NA	intron (N	intron (N	27344	NM_001317	55178	Hs.182729	NM_018146	ENSG0000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr9-3944	8.819686	-1.38275	0.737559	-1.87477	0.060825	0.389259	chr9	39447763	39448087	+	0	NA	intron (N	intron (N	16601	NR_003528	401509	Hs.449445	NM_001032297		ZNF658B	-	zinc fing	pseudo
chr6-2484	8.79492	-1.38882	0.74189	-1.872	0.061207	0.390709	chr6	24842608	24843527	+	0	NA	exon (NM_	exon (NM_	34203	NM_015864	9750	Hs.559459	NM_014722	ENSG0000	RIPOR2	C6orf32|D	RHO famil	protein-coding
chr9-1274	8.282081	-1.46332	0.781885	-1.87153	0.061272	0.390709	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	intron (N	8493	NM_01458	29988	Hs.179522	NM_01458	ENSG0000	SLC2A8	GLUT8|GLU	solute ca	protein-coding
chr11-107	12.52988	-0.97833	0.52349	-1.86887	0.061641	0.390709	chr11	10796401	10807967	+	0	NA	promoter-	promoter-	-576	NR_004403	692223	Hs.723086	NR_004403	ENSG0000	SNORD97	U97	small nuc	snoRNA
chr19-575	12.52988	-0.97833	0.52349	-1.86887	0.061641	0.390709	chr19	57588691	57592548	+	0	NA	exon (NM_	exon (NM_	6474	NM_001321	284307	Hs.45483	NM_00101	ENSG0000	ZIK1	ZNF762	zinc fing	protein-coding
chr11-523	12.55686	-0.97807	0.523755	-1.86743	0.061842	0.390709	chr11	52352882	52353372	+	0	NA	Intergeni	ALR/Alpha	1943980	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr10-408	9.361705	-1.32202	0.707984	-1.86731	0.061859	0.390709	chr10	40837518	40837976	+	0	NA	Intergeni	ALR/Alpha	1530298	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr13-235	8.805095	-1.38077	0.73951	-1.86714	0.061882	0.390709	chr13	23593784	23596996	+	0	NA	intron (N	L1P3|LINE	16030	NM_018647	55504	Hs.149168	NM_018647	ENSG0000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr5-4735	8.805095	-1.38077	0.73951	-1.86714	0.061882	0.390709	chr5	47353625	47354378	+	0	NA	Intergeni	ALR/Alpha	-1657621	NM_021072	348980	Hs.353176	NM_021072	ENSG0000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr19-440	14.75772	-0.82351	0.441331	-1.86597	0.062045	0.39108	chr19	44007072	44012951	+	0	NA	intron (N	intron (N	7054	NM_00630	7773	Hs.193583	NM_00630	ENSG0000	ZNF230	FDZF2	zinc fing	protein-coding
chr10-408	17.96305	-0.68721	0.368687	-1.86394	0.06233	0.39222	chr10	40898298	40898519	+	0	NA	Intergeni	ALR/Alpha	1469637	NR_02438	441666	Hs.255729	NR_02438	ENSG0000	LOC441666	-	zinc fing	pseudo
chr16-292	8.277666	-1.45222	0.780307	-1.86109	0.062732	0.393432	chr16	29217633	29219212	+	0	NA	Intergeni	Intergeni	-83865	NR_002939	440352	Hs.658149	NR_002939		SNX29P2	RUNDC2C	sorting r	pseudo
chr6-1161	8.277666	-1.45222	0.780307	-1.86109	0.062732	0.393432	chr6	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	11277	NM_000493	1300	Hs.520339	NM_000493	ENSG0000	COL10A1	-	collagen	protein-coding
chr22-402	8.331612	-1.44962	0.781496	-1.85493	0.063606	0.397808	chr22	40280045	40280408	+	0	NA	intron (N	intron (N	-66274	NM_001123	158	Hs.75527	NM_000026	ENSG0000	ADSL	AMPS|ASAS	adenylosu	protein-coding

chr18-318	8.790505	-1.37874	0.74338	-1.85469	0.063641	0.397808	chr18	31851878	31852401	+	0	NA	intron (N	AluJb|SIN	90989	NM_014939	22878	Hs.202001	NM_014939	ENSG00000	TRAPPC8	GSG1|HsT2	trafficki	protein-coding
chr5-4835	12.04623	-1.00967	0.545429	-1.85115	0.064148	0.400313	chr5	48356698	48357775	+	0	NA	Intergeni	ALR/Alpha	2084052	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr7-8212	9.330317	-1.31367	0.710962	-1.84774	0.06464	0.402716	chr7	82124182	82124576	+	0	NA	intron (N	MER51A|LT	115202	NR_110077	1.02E+08	Hs.571348	NR_110076	ENSG00000	LOC101927	-	uncharact	ncRNA
chr7-1000	14.25726	-0.84109	0.456789	-1.84131	0.065576	0.407872	chr7	1E+08	1E+08	+	0	NA	intron (N	intron (N	8022	NM_017715	7551	Hs.435302	NM_017715	ENSG00000	ZNF3	A8-51|HF.	zinc fing	protein-coding
chr10-436	11.54798	-1.04302	0.570268	-1.82899	0.067401	0.417842	chr10	43642429	43646871	+	0	NA	exon (NM_	exon (NM_	778	NR_047557	414197	Hs.605832	NR_047557	ENSG00000	ZNF32-AS1	ZNF32OS1|	ZNF32 ant	ncRNA
chr2-9262	11.54798	-1.04302	0.570268	-1.82899	0.067401	0.417842	chr2	92624184	92625662	+	0	NA	Intergeni	ALR/Alpha	683790	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr17-165	11.54577	-1.04013	0.569781	-1.82549	0.067927	0.41902	chr17	16552050	16567530	+	0	NA	intron (N	L1MC4|LIN	9414	NM_020653	57336	Hs.99724	NM_020653	ENSG00000	ZNF287	ZKSCAN13|	zinc fing	protein-coding
chr17-644	11.54577	-1.04013	0.569781	-1.82549	0.067927	0.41902	chr17	64498996	64505865	+	0	NA	intron (N	intron (N	-1117	NR_039969	1.01E+08		NR_039969	ENSG00000	MIR5047	-	microRNA	ncRNA
chr19-265	11.521	-1.0434	0.571621	-1.82534	0.067949	0.41902	chr19	26584213	26584842	+	0	NA	Intergeni	ALR/Alpha	-1208904	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr19-266	11.55018	-1.04598	0.573211	-1.82476	0.068037	0.41902	chr19	26631766	26632414	+	0	NA	Intergeni	ALR/Alpha	-1161341	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr4-1462	11.49403	-1.04384	0.575524	-1.81373	0.06972	0.428687	chr4	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	71983	NM_001371071								
chr1-1561	11.04752	-1.07663	0.595837	-1.80693	0.070774	0.434457	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	CpG	10022	NM_001257	4000	Hs.594444	NM_005572	ENSG00000	LMNA	CDCD1|CDI	lamin A/C	protein-coding
chr6-3297	11.03293	-1.07526	0.596019	-1.80406	0.071221	0.436492	chr6	32972393	32982059	+	0	NA	intron (N	intron (N	4142	NM_001199	6046	Hs.75243	NM_005104	ENSG00000	BRD2	BRD2-IT1|	bromodoma	protein-coding
chr17-433	11.07449	-1.07618	0.597484	-1.80119	0.071672	0.438016	chr17	43399941	43400986	+	0	NA	3’ UTR (N	3’ UTR (N	1470	NM_001661	379	Hs.183153	NM_001661	ENSG00000	ARL4D	ARF4L|ARI	ADP ribos	protein-coding
chr5-4907	11.03735	-1.08178	0.600743	-1.80074	0.071744	0.438016	chr5	49076030	49077019	+	0	NA	Intergeni	ALR/Alpha	1364764	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr16-225	15.98243	-0.73482	0.408174	-1.80026	0.071819	0.438016	chr16	22534046	22537849	+	0	NA	exon (NM_	exon (NM_	-9751	NR_003676	653786	Hs.564945	NR_003676	ENSG00000	OTOAP1	-	OTOA pseu	pseudo
chr7-7304	11.01834	-1.07387	0.597325	-1.79779	0.07221	0.439685	chr7	73041265	73042262	+	0	NA	Intergeni	AluJr|SIN	-12001	NR_003664	728524	Hs.571275	NM_001023562		SPDYE8P	-	speedy/RI	pseudo
chr1-1233	13.27756	-0.88677	0.494115	-1.79467	0.072706	0.441994	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1878538	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr5-4850	19.17979	-0.62528	0.349004	-1.79161	0.073195	0.444245	chr5	48505017	48506150	+	0	NA	Intergeni	ALR/Alpha	1935705	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1223	10.53468	-1.11563	0.624048	-1.78773	0.073819	0.447128	chr1	1.22E+08	1.22E+08	+	0	NA	Intergeni	ALR/Alpha	818845	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1602	10.54706	-1.11359	0.623866	-1.78498	0.074264	0.447128	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	5111	NR_036493	5824	Hs.517232	NM_002857	ENSG00000	PEX19	D1S2223E|	peroxisom	protein-coding
chr1-1717	10.54706	-1.11359	0.623866	-1.78498	0.074264	0.447128	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	6917	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr12-104	10.54706	-1.11359	0.623866	-1.78498	0.074264	0.447128	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	18618	NM_001008	493861	Hs.659857	NM_001008	ENSG00000	EID3	NS4EB|NSE	EP300 int	protein-coding
chr15-405	10.54706	-1.11359	0.623866	-1.78498	0.074264	0.447128	chr15	40573527	40574446	+	0	NA	exon (NM_	exon (NM_	4687	NM_152260	27079	Hs.173311	NM_152260	ENSG00000	RPUSD2	C15orf19|	RNA pseud	protein-coding
chr10-406	10.52009	-1.11413	0.62487	-1.78297	0.074591	0.448377	chr10	40658214	40659018	+	0	NA	Intergeni	ALR/Alpha	1709429	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-266	10.50771	-1.11619	0.627207	-1.77962	0.075137	0.449288	chr19	26688382	26689695	+	0	NA	Intergeni	ALR/Alpha	-1104393	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr16-472	8.051406	-1.39259	0.783582	-1.77721	0.075533	0.449288	chr16	47257551	47257818	+	0	NA	intron (N	L1MC4|LIN	113616	NR_110903	1.02E+08	Hs.634652	NR_110903		ITFG1-AS1	-	ITFG1 ant	ncRNA
chr2-1895	8.051406	-1.39259	0.783582	-1.77721	0.075533	0.449288	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	intron (N	16546	NM_014585	30061	Hs.643005	NM_014585	ENSG00000	SLC40A1	FPN1|HFE4	solute ca	protein-coding
chr4-7140	8.051406	-1.39259	0.783582	-1.77721	0.075533	0.449288	chr4	71408375	71410444	+	0	NA	intron (N	THE1A-int	70356	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNE	solute ca	protein-coding
chr1-1479	8.053614	-1.39828	0.788335	-1.77371	0.076111	0.449288	chr1	1.48E+08	1.48E+08	+	0	NA	exon (NM_	exon (NM_	22144	NR_111936	1E+08	Hs.696575	NR_003377		PDZK1P1	PDZK1P2	PDZ domai	pseudo
chr2-2031	10.04882	-1.15839	0.653434	-1.77277	0.076267	0.449288	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	L1PA15|LI	89698	NM_001114	65065	Hs.648846	NM_198945	ENSG00000	NBEAL1	A530083I0	neurobeac	protein-coding
chr1-2044	10.51788	-1.11054	0.626815	-1.77171	0.076443	0.449288	chr1	2.04E+08	2.04E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7240	NM_032833	84919	Hs.304376	NM_032833	ENSG00000	PPP1R15B	CREP|MSSC	protein p	protein-coding
chr10-400	10.54486	-1.10999	0.626663	-1.77127	0.076517	0.449288	chr10	40081253	40082143	+	0	NA	Intergeni	ALR/Alpha	1385102	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr1-1247	12.76031	-0.90599	0.511559	-1.77104	0.076554	0.449288	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3248683	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1490	10.03423	-1.15675	0.653606	-1.7698	0.076761	0.449288	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	19050	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2431	10.03423	-1.15675	0.653606	-1.7698	0.076761	0.449288	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	L1M5|LINE	-37745	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr17-296	10.02184	-1.15904	0.655053	-1.76938	0.076831	0.449288	chr17	29631747	29632821	+	0	NA	exon (NM_	exon (NM_	-10861	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr3-1723	10.0612	-1.1561	0.654527	-1.76632	0.077342	0.449288	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	95096	NM_198407	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr5-1434	10.0612	-1.1561	0.654527	-1.76632	0.077342	0.449288	chr5	14343294	14343493	+	0	NA	intron (N	L1MD2|LIN	-120590	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr7-5927	10.04661	-1.15446	0.6547	-1.76333	0.077844	0.449288	chr7	59274995	59275528	+	0	NA	Intergeni	ALR/Alpha	1825084	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr1-1738	10.01964	-1.1551	0.655236	-1.76287	0.077922	0.449288	chr1	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-17930	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr1-1245	9.550567	-1.20865	0.685715	-1.76261	0.077966	0.449288	chr1	1.25E+08	1.25E+08	+	0	NA	Intergeni	ALR/Alpha	3031306	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr19-952	14.98594	-0.76428	0.433627	-1.76252	0.077981	0.449288	chr19	9522759	9537725	+	0	NA	intron (N	AluJb|SIN	8403	NM_024106	79088	Hs.386476	NM_024106	ENSG00000	ZNF426	K-RBP	zinc fing	protein-coding
chr3-1839	8.551862	-1.32471	0.751627	-1.76246	0.077991	0.449288	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MER5B|DNA	58630	NR_039650	1.01E+08		NR_039650	ENSG00000	MIR4448	-	microRNA	ncRNA
chr13-444	10.00725	-1.15739	0.656695	-1.76245	0.077993	0.449288	chr13	44432851	44434705	+	0	NA	3’ UTR (N	3’ UTR (N	3080	NM_006022	8848	Hs.436383	NM_006022	ENSG00000	TSC22D1	Ptg-2|TGF	TSC22 dom	protein-coding
chr1-5202	8.564245	-1.3216	0.751523	-1.75856	0.078653	0.449288	chr1	52024187	52024523	+	0	NA	intron (N	intron (N	9455	NM_138417	112970	Hs.476033	NM_138417	ENSG00000	KTI12	SBBI81|TC	KTI12 chr	protein-coding
chr1-1240	8.566453	-1.32682	0.754615	-1.75827	0.078702	0.449288	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2549267	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr20-270	12.74351	-0.90278	0.513508	-1.75806	0.078737	0.449288	chr20	27099525	27100070	+	0	NA	Intergeni	ALR/Alpha	-890564	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr1-1788	8.549655	-1.31954	0.750575	-1.75803	0.078742	0.449288	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MEd|LIN	61731	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr1-2360	8.549655	-1.31954	0.750575	-1.75803	0.078742	0.449288	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	AluSq|SIN	35971	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr2-1123	8.549655	-1.31954	0.750575	-1.75803	0.078742	0.449288	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	54930	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr4-5427	8.549655	-1.31954	0.750575	-1.75803	0.078742	0.449288	chr4	54277889	54280267	+	0	NA	intron (N	intron (N	45118	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr4-1194	8.549655	-1.31954	0.750575	-1.75803	0.078742	0.449288	chr4	1.19E+08	1.2E+08	+	0	NA	intron (N	L1M5|LINE	50490	NR_037630	645513	Hs.677546	NR_037630	ENSG00000	LOC645513	-	septin 7	pseudo
chr1-1544	9.050111	-1.26064	0.717253	-1.7576	0.078816	0.449288	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-23393	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr19-252	9.050111	-1.26064	0.717253	-1.7576	0.078816	0.449288	chr19	25231443	25232990	+	0	NA	Intergeni	ALR/Alpha	-1068769	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr7-1934	8.522682	-1.32059	0.75174	-1.75671	0.078967	0.449288	chr7	193499	201823	+	0	NA	intron (N	intron (N	5090	NM_020223	56975	Hs.134742	NM_020223	ENSG00000	FAM20C	DMP-4|DMP	FAM20C go	protein-coding
chr10-409	9.521386	-1.20509	0.686028	-1.75662	0.078983	0.449288	chr10	40987052	40988009	+	0	NA	Intergeni	ALR/Alpha	1380515	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr7-2995	8.524889	-1.32581	0.755028	-1.75598	0.079092	0.449288	chr7	29954775	29955658	+	0	NA	exon (NM_	exon (NM_	34585	NM_001145	9805	Hs.520740	NM_014766	ENSG00000	SCRN1	SES1	secernin	protein-coding
chr10-294	9.99487	-1.15974	0.66083	-1.75497	0.079264	0.449288	chr10	29466922	29467935	+	0	NA	non-codin	non-codin	57185	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr1-1551	9.035521	-1.25872	0.717369	-1.75464	0.079321	0.449288	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	5150	NM_001256	80128	Hs.287735	NM_025058	ENSG00000	TRIM46	GENEY|TRI	tripartit	protein-coding
chr11-883	9.035521	-1.25872	0.717369	-1.75464	0.079321	0.449288	chr11	88333654	88336279	+	0	NA	exon (NM_	exon (NM_	2770	NM_001114	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsin	protein-coding
chr1-2115	9.533769	-1.20254	0.685862	-1.75333	0.079545	0.449288	chr1	2.12E+08	2.12E+08	+	0	NA	exon (NM_	exon (NM_	3730	NM_021194	7779	Hs.519469	NM_021194	ENSG00000	SLC30A1	ZNT1|ZRC1	solute ca	protein-coding
chr3-1723	8.535064	-1.31747	0.751639	-1.75279	0.079637	0.449288	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	106900	NM_198407	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr7-1079	8.535064	-1.31747	0.751639	-1.75279	0.079637	0.449288	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	45308	NM_002291	3912	Hs.650585	NM_002291	ENSG00000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr8-1189	8.535064	-1.31747	0.751639	-1.75279	0.079637	0.449288	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	26562	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr8-1189	8.535064	-1.31747	0.751639	-1.75279	0.079637	0.449288	chr8	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	22592	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr9-9355	9.079292	-1.26453	0.72254	-1.75012	0.080097	0.450327	chr9	93551902	93552116	+	0	NA	intron (N	intron (N	-24575	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr12-935	9.062494	-1.25781	0.718899	-1.74964	0.080181	0.450327	chr12	93574912	93575817	+	0	NA	3’ UTR (N	3’ UTR (N	2689	NM_001270	8835	Hs.485572	NM_003877	ENSG00000	SOCS2	CIS2|Cish	suppresso	protein-coding
chr4-5427	9.062494	-1.25781	0.718899	-1.74964	0.080181	0.450327	chr4	54270899	54271297	+	0	NA	intron (N	AluJo|SIN	37138	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr5-1727	12.27665	-0.93342	0.533937	-1.74818	0.080433	0.450663	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	2008	NM_004417	1843	Hs.171695	NM_004417	ENSG00000	DUSP1	CL100|HVH	dual spec	protein-coding
chr5-4796	9.506796	-1.20329	0.688664	-1.74729	0.080588	0.450663	chr5	47962372	47963324	+	0	NA	Intergeni	ALR/Alpha	-2266468	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-2078	9.02093	-1.25679	0.719312	-1.74722	0.0806	0.450663	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	-1927	NR_029518	407025		NR_029518	ENSG00000	MIR29B2	MIRN29B2	microRNA	ncRNA
chr1-1788	8.562037	-1.31636	0.754732	-1.74415	0.081134	0.452103	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	MER44C|DN	-23600	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr21-269	8.520474	-1.31536	0.754751	-1.74278	0.081372	0.452103	chr21	26923504	26924381	+	0	NA	3’ UTR (N	3’ UTR (N	-30019	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr5-1284	8.520474	-1.31536	0.754751	-1.74278	0.081372	0.452103	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	L2b|LINE|	114078	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|F	fibrillin	protein-coding
chr2-1053	9.546152	-1.19994	0.688768	-1.74215	0.081482	0.452103	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSq2|SI	21648	NM_001318	2274	Hs.443687	NM_001450	ENSG00000	FHL2	AAG11|DRA	four and	protein-coding
chr3-1236	9.033313	-1.25393	0.720979	-1.73921	0.081998	0.452103	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx|SIN	-19890	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr4-8734	9.033313	-1.25393	0.720979	-1.73921	0.081998	0.452103	chr4	87346234	87346543	+	0	NA	intron (N	AluSz6|SI	-23506	NM_178135	345275	Hs.284414	NM_178135	ENSG00000	HSD17B13	HMFN0376|	hydroxyst	protein-coding
chr6-3150	9.033313	-1.25393	0.720979	-1.73921	0.081998	0.452103	chr6	31505897	31506131	+	0	NA	intron (N	intron (N	7869	NM_005931	4277	Hs.731446	NM_005931	ENSG00000	MICB	PERB11.2	MHC class	protein-coding
chr1-1682	8.547447	-1.31426	0.755818	-1.73886	0.082059	0.452103	chr1	1.68E+08	1.68E+08	+	0	NA	Intergeni	L1MC|LINE	-8706	NR_026844	84832	Hs.537067	NR_026844	ENSG00000	ANKRD36BP	ANKRD26L1	ankyrin r	pseudo
chr12-950	8.547447	-1.31426	0.755818	-1.73886	0.082059	0.452103	chr12	95051348	95051606	+	0	NA	intron (N	Tigger4|D	22141	NM_001032	7181	Hs.108301	NM_003297	ENSG00000	NR2C1	TR2	nuclear r	protein-coding
chr15-515	8.547447	-1.31426	0.755818	-1.73886	0.082059	0.452103	chr15	51527235	51527434	+	0	NA	intron (N	L1MA2|LIN	95437	NM_015263	23312	Hs.511386	NM_015263	ENSG00000	DMXL2	DFNA71|PE	Dmx like	protein-coding
chr1-1738	9.504588	-1.19885	0.692882	-1.73024	0.083588	0.459855	chr1	1.74E+08	1.74E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-7634	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr3-3850	9.018723	-1.25192	0.724842	-1.72716	0.084139	0.462211	chr3	38507133	38507385	+	0	NA	intron (N	L2c|LINE|	10919	NR_134938	9941	Hs.517897	NM_005107	ENSG00000	EXOG	ENDOGL1|E	exo/endon	protein-coding
chr1-1831	11.7616	-0.95847	0.556373	-1.72271	0.084942	0.464587	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	AluSq10|S	8247	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr11-520	11.7616	-0.95847	0.556373	-1.72271	0.084942	0.464587	chr11	52046817	52047538	+	0	NA	Intergeni	ALR/Alpha	1638030	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-9219	11.7616	-0.95847	0.556373	-1.72271	0.084942	0.464587	chr2	92198845	92200155	+	0	NA	Intergeni	ALR/Alpha	258367	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-1573	83.62257	-0.43162	0.252189	-1.71151	0.086988	0.475086	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	10018	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6o	transmemb	protein-coding
chr12-352	13.98502	-0.79537	0.465082	-1.71018	0.087233	0.475734	chr12	35290497	35291367	+	0	NA	Intergeni	ALR/Alpha	1268436	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr15-646	8.545239	-1.30862	0.768069	-1.70378	0.088421	0.481519	chr15	64622964	64623354	+	0	NA	intron (N	intron (N	80122	NM_001301	4947	Hs.744924	NM_002537	ENSG00000	OAZ2	AZ2	ornithine	protein-coding
chr1-1499	11.27574	-0.98828	0.581584	-1.69928	0.089266	0.485122	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	3328	NM_005850	10262	Hs.516160	NM_005850	ENSG00000	SF3B4	AFD1|Hsh4	splicing	protein-coding
chr1-1602	11.24877	-0.98866	0.581945	-1.69889	0.089341	0.485122	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJb|SIN	-2710	NR_002190	474338	Hs.621179	NR_002190		SUMO1P3	-	SUMO1 pse	pseudo
chr1-1734	11.26115	-0.98694	0.581769	-1.69645	0.0898	0.486214	chr1	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	7593	NM_004905	9588	Hs.120	NM_004905	ENSG00000	PRDX6	1-Cys|AOP	peroxired	protein-coding
chr6-5934	11.26115	-0.98694	0.581769	-1.69645	0.0898	0.486214	chr6	59342877	59344383	+	0	NA	Intergeni	ALR/Alpha	-1382184	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr19-937	13.47439	-0.81536	0.481953	-1.69178	0.090688	0.490316	chr19	9373729	9390069	+	0	NA	3’ UTR (N	3’ UTR (N	5583	NM_001172	7730	Hs.728944	NM_003451	ENSG00000	ZNF177	PIGX	zinc fing	protein-coding
chr19-349	11.24656	-0.98559	0.583033	-1.69046	0.09094	0.490971	chr19	34954927	34960508	+	0	NA	3’ UTR (N	3’ UTR (N	6512	NM_175872	126375	Hs.50405	NM_175872	ENSG00000	ZNF792	-	zinc fing	protein-coding
chr3-5727	8.530649	-1.3063	0.773571	-1.68866	0.091285	0.491422	chr3	57270006	57270274	+	0	NA	3’ UTR (N	3’ UTR (N	574	NR_135535	1.05E+08	Hs.745243	NR_135535		LOC105377	-	uncharact	ncRNA
chrX-5319	8.530649	-1.3063	0.773571	-1.68866	0.091285	0.491422	chrX	53193063	53193538	+	0	NA	exon (NM_	exon (NM_	2188	NR_106955	1.02E+08		NR_106955	ENSG00000	MIR6895	hsa-mir-6	microRNA	ncRNA
chr1-2027	10.7629	-1.02149	0.608269	-1.67933	0.093087	0.49789	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-40728	NM_177402	127833	Hs.25422	NM_177402	ENSG00000	SYT2	CMS7|MYSP	synaptota	protein-coding
chr9-1130	10.7629	-1.02149	0.608269	-1.67933	0.093087	0.49789	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	9578	NM_003408	7539	Hs.150406	NM_003408	ENSG00000	ZFP37	ZNF906|zf	ZFP37 zin	protein-coding
chr1-1715	10.74831	-1.02002	0.60907	-1.67472	0.093989	0.49789	chr1	1.72E+08	1.72E+08	+	0	NA	exon (NM_	exon (NM_	-53127	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-2037	10.74831	-1.02002	0.60907	-1.67472	0.093989	0.49789	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	intron (N	-11366	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNO	small nuc	snoRNA
chr3-1238	10.74831	-1.02002	0.60907	-1.67472	0.093989	0.49789	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L1MA5A|LI	58062	NM_053028	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr6-1341	10.77528	-1.01956	0.609051	-1.67402	0.094127	0.49789	chr6	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	3207	NM_001291	6446	Hs.510078	NM_005627	ENSG00000	SGK1	SGK	serum/glu	protein-coding
chr14-710	13.00532	-0.83806	0.50191	-1.66974	0.09497	0.49789	chr14	71019055	71020455	+	0	NA	intron (N	intron (N	112296	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr5-4908	15.65625	-0.69335	0.415261	-1.66968	0.094983	0.49789	chr5	49083144	49083343	+	0	NA	Intergeni	ALR/Alpha	1358045	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1738	10.26465	-1.05988	0.637286	-1.66312	0.096288	0.49789	chr1	1.74E+08	1.74E+08	+	0	NA	exon (NM_	exon (NM_	-2120	NR_152521	60674	Hs.531856	NR_002578	ENSG00000	GAS5	NCRNA0003	growth ar	ncRNA
chr1-1490	10.27703	-1.05774	0.637117	-1.66021	0.096873	0.49789	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	(GACAGA)n	26233	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr1-2396	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr1	23960836	23963344	+	0	NA	3’ UTR (N	3’ UTR (N	2262	NM_017761	55629	Hs.7862	NM_017761	ENSG00000	PNRC2	-	proline r	protein-coding
chr1-1514	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	7438	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr1-2359	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	85519	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr17-721	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr17	72124004	72124468	+	0	NA	exon (NM_	exon (NM_	3216	NM_000346	6662	Hs.647409	NM_000346	ENSG00000	SOX9	CMD1|CMPD	SRY-box t	protein-coding
chr17-757	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr17	75776496	75779378	+	0	NA	3’ UTR (N	3’ UTR (N	1842	NM_005324	3021	Hs.180877	NM_005324	ENSG00000	H3F3B	H3.3B	H3 histon	protein-coding
chr19-125	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr19	1253727	1258523	+	0	NA	intron (N	intron (N	7572	NM_177401	90007	Hs.465529	NM_177401	ENSG00000	MIDN	-	midnolin	protein-coding
chr2-1889	10.26244	-1.05615	0.637295	-1.65724	0.097472	0.49789	chr2	1.89E+08	1.89E+08	+	0	NA	exon (NM_	exon (NM_	-2193	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr17-757	10.23547	-1.05669	0.639058	-1.65351	0.098227	0.49789	chr17	7573145	7578546	+	0	NA	promoter-	promoter-	-966	NR_002604	652966	Hs.742526	NR_002604	ENSG00000	SNORD10	mgU6-77	small nuc	snoRNA
chr15-846	10.24785	-1.05453	0.63889	-1.65057	0.098826	0.49789	chr15	84619879	84624759	+	0	NA	3’ UTR (N	3’ UTR (N	-9141	NR_004859	54581	Hs.658114	NM_022050		SCAND2P	SCAND2	SCAN doma	pseudo
chr6-1113	10.24785	-1.05453	0.63889	-1.65057	0.098826	0.49789	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSq2|SI	74245	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr11-755	9.764195	-1.09866	0.667	-1.64717	0.099522	0.49789	chr11	755612	762356	+	0	NA	exon (NM_	exon (NM_	11520	NM_006755	6888	Hs.438678	NM_006755	ENSG00000	TALDO1	TAL|TAL-H	transaldo	protein-coding
chr2-8490	9.764195	-1.09866	0.667	-1.64717	0.099522	0.49789	chr2	84905844	84907474	+	0	NA	TTS (NM_0	TTS (NM_0	1003	NM_021103	9168	Hs.446574	NM_021103	ENSG00000	TMSB10	MIG12|TB1	thymosin	protein-coding
chr2-2031	9.764195	-1.09866	0.667	-1.64717	0.099522	0.49789	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	-47691	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr7-9439	9.764195	-1.09866	0.667	-1.64717	0.099522	0.49789	chr7	94395708	94413975	+	0	NA	exon (NM_	exon (NM_	10280	NM_000089	1278	Hs.489142	NM_000089	ENSG00000	COL1A2	EDSARTH2|	collagen	protein-coding
chr2-9248	9.793375	-1.10216	0.669866	-1.64534	0.0999	0.49789	chr2	92486571	92487259	+	0	NA	Intergeni	ALR/Alpha	545782	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo

chr1-2155	9.749604	-1.09693	0.667961	-1.64221	0.100547	0.49789	chr1	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	13054	NM_016121	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr19-467	9.749604	-1.09693	0.667961	-1.64221	0.100547	0.49789	chr19	46773856	46783675	+	0	NA	exon (NM_	exon (NM_	6049	NM_001145	6510	Hs.631582	NM_005628	ENSG00000	SLC1A5	AAAT|ASCT	solute ca	protein-coding
chr11-684	8.252651	-1.25449	0.763984	-1.64203	0.100583	0.49789	chr11	68428293	68430709	+	0	NA	intron (N	intron (N	-31251	NM_001352	55291	Hs.503022	NM_018312	ENSG00000	PPP6R3	C11orf23|	protein p	protein-coding
chr13-236	8.252651	-1.25449	0.763984	-1.64203	0.100583	0.49789	chr13	23658641	23662293	+	0	NA	exon (NM_	exon (NM_	81107	NM_018647	55504	Hs.149168	NM_018647	ENSG00000	TNFRSF19	TAJ|TAJ-a	TNF recep	protein-coding
chr3-5840	8.252651	-1.25449	0.763984	-1.64203	0.100583	0.49789	chr3	58406047	58412073	+	0	NA	intron (N	intron (N	24772	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr16-685	12.47569	-0.85655	0.521655	-1.64198	0.100593	0.49789	chr16	68540875	68564606	+	0	NA	intron (N	L2c|LINE|	13449	NR_130977	146198	Hs.461074	NM_133458	ENSG00000	ZFP90	FIK|NK10|	ZFP90 zin	protein-coding
chr7-7536	12.47569	-0.85655	0.521655	-1.64198	0.100593	0.49789	chr7	75361451	75366802	+	0	NA	intron (N	AluSz|SIN	4926	NR_040583	54441	Hs.632310	NM_018991		STAG3L1	STAG3L1P|	stromal a	pseudo
chr11-519	12.50266	-0.85632	0.521799	-1.6411	0.100776	0.49789	chr11	51948627	51949492	+	0	NA	Intergeni	ALR/Alpha	1539912	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr2-1890	9.776577	-1.09628	0.668197	-1.64065	0.100871	0.49789	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	MER106A|D	10394	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr6-2836	9.265946	-1.14644	0.699172	-1.63972	0.101064	0.49789	chr6	28363180	28366884	+	0	NA	intron (N	intron (N	-8761	NM_001135	64288	Hs.656413	NM_030899	ENSG00000	ZSCAN31	ZNF20-Lp|	zinc fing	protein-coding
chr1-1231	9.280536	-1.14834	0.700823	-1.63856	0.101306	0.49789	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1666479	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1971	12.48807	-0.85527	0.521977	-1.63852	0.101313	0.49789	chr1	1.97E+08	1.97E+08	+	0	NA	intron (N	AluSx1|SI	13941	NM_194314	360023	Hs.529439	NM_194314	ENSG00000	ZBTB41	FRBZ1|ZNF	zinc fing	protein-coding
chr1-5507	8.265033	-1.25128	0.763929	-1.63795	0.101432	0.49789	chr1	55073514	55073804	+	0	NA	intron (N	intron (N	33437	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr12-588	8.265033	-1.25128	0.763929	-1.63795	0.101432	0.49789	chr12	58880104	58880789	+	0	NA	intron (N	intron (N	39100	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr15-496	8.265033	-1.25128	0.763929	-1.63795	0.101432	0.49789	chr15	49613927	49615156	+	0	NA	intron (N	LOR1a|LTR	6277	NM_001330	196951	Hs.712959	NM_152647	ENSG00000	FAM227B	C15orf33	family wi	protein-coding
chr4-4126	8.265033	-1.25128	0.763929	-1.63795	0.101432	0.49789	chr4	41260372	41267496	+	0	NA	intron (N	intron (N	7006	NM_004181	7345	Hs.518731	NM_004181	ENSG00000	UCHL1	HEL-117|H	ubiquitin	protein-coding
chr5-1283	8.265033	-1.25128	0.763929	-1.63795	0.101432	0.49789	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	205983	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr4-5426	8.78008	-1.19756	0.731675	-1.63674	0.101685	0.49789	chr4	54261390	54267811	+	0	NA	intron (N	intron (N	30640	NM_001347	5156	Hs.74615	NM_006206	ENSG00000	PDGFRA	CD140A|PD	platelet	protein-coding
chr1-1553	9.251356	-1.14457	0.69931	-1.63671	0.101691	0.49789	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSc8|SI	5000	NM_001278	23623	Hs.226499	NM_014328	ENSG00000	RUSC1	NESCA	RUN and S	protein-coding
chr1-2024	9.251356	-1.14457	0.69931	-1.63671	0.101691	0.49789	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSc8|SI	-13381	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr22-413	9.278329	-1.1438	0.699032	-1.63627	0.101784	0.49789	chr22	41304874	41305178	+	0	NA	intron (N	AluSx1|SI	-2657	NM_001317	5905	Hs.183800	NM_002883	ENSG00000	RANGAP1	Fug1|RANG	Ran GTPas	protein-coding
chr3-1493	9.278329	-1.1438	0.699032	-1.63627	0.101784	0.49789	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	3846	NM_014220	4071	Hs.351316	NM_014220	ENSG00000	TM4SF1	H-L6|L6|M	transmemb	protein-coding
chr1-1093	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1MB4|LIN	-33245	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-2064	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-14890	NM_182663	83593	Hs.497579	NM_031437	ENSG00000	RASSF5	Maxp1|NOR	Ras assoc	protein-coding
chr1-2309	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	L1ME3F|LI	50180	NM_024525	79573	Hs.424788	NM_024525	ENSG00000	TTC13	-	tetratric	protein-coding
chr17-425	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr17	42581686	42582808	+	0	NA	non-codin	non-codin	-4416	NR_045670	29893	Hs.383019	NM_013290	ENSG00000	PSMC3IP	GT198|HOP	PSMC3 int	protein-coding
chr2-4205	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr2	42051672	42060789	+	0	NA	intron (N	intron (N	8209	NM_138370	91461	Hs.408542	NM_138370	ENSG00000	PKDCC	SGK493|VL	protein k	protein-coding
chr2-2298	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	-103393	NM_139072	92737	Hs.234074	NM_139072	ENSG00000	DNER	UNQ26|bet	delta/not	protein-coding
chr7-7704	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr7	77044912	77045589	+	0	NA	intron (N	LTR45B|LT	5770	NR_028058	1E+08	Hs.292996	NM_001129851		PMS2P9	PMS2L17|P	PMS1 homo	pseudo
chr9-1104	8.76549	-1.19554	0.730771	-1.636	0.10184	0.49789	chr9	1.1E+08	1.11E+08	+	0	NA	intron (N	MLT2A2|LT	83345	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr5-9353	9.761987	-1.09453	0.669166	-1.63565	0.101912	0.49789	chr5	93536466	93537248	+	0	NA	intron (N	THE1B|LTR	34486	NR_109825	441094	Hs.457407	NR_015369	ENSG00000	NR2F1-AS1	-	NR2F1 ant	ncRNA
chr5-1283	8.753107	-1.19847	0.732752	-1.63557	0.10193	0.49789	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	218869	NM_001046	6558	Hs.162585	NM_001046	ENSG00000	SLC12A2	BSC|BSC2|	solute ca	protein-coding
chr8-1178	9.292919	1.145683	0.700683	1.635094	0.102029	0.49789	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	90762	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr4-4998	8.23806	1.252319	0.766195	1.634465	0.102161	0.49789	chr4	49987791	49988390	+	0	NA	Intergeni	ALR/Alpha	1001448	NM_001286	80157	Hs.479703	NM_025087	ENSG00000	CWH43	CWH43-C|F	cell wall	protein-coding
chr7-8175	8.23806	1.252319	0.766195	1.634465	0.102161	0.49789	chr7	81751249	81752888	+	0	NA	3’ UTR (N	3’ UTR (N	17979	NM_001010	3082	Hs.396530	NM_000601	ENSG00000	HGF	DFNB39|F-	hepatocyt	protein-coding
chr9-4377	17.40263	0.615215	0.376421	1.63438	0.102179	0.49789	chr9	43777445	43777877	+	0	NA	Intergeni	ALR/Alpha	651495	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1213	9.735014	1.095169	0.67054	1.633263	0.102414	0.49789	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	10584	NR_104189	1.01E+08	Hs.568525	NR_104189	ENSG00000	SRGAP2-AS	-	SRGAP2 an	ncRNA
chr1-1717	9.263738	1.141926	0.699172	1.633255	0.102415	0.49789	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	L1ME1|LIN	15186	NR_033704	8674	Hs.6651	NM_003762	ENSG00000	VAMP4	VAMP-4|VA	vesicle a	protein-coding
chr1-1801	9.263738	1.141926	0.699172	1.633255	0.102415	0.49789	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSq2|SI	25559	NM_002826	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr2-1890	9.263738	1.141926	0.699172	1.633255	0.102415	0.49789	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	56910	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr21-268	9.263738	1.141926	0.699172	1.633255	0.102415	0.49789	chr21	26837463	26844796	+	0	NA	exon (NM_	exon (NM_	4280	NM_006988	9510	Hs.643357	NM_006988	ENSG00000	ADAMTS1	C3-C5|MET	ADAM meta	protein-coding
chr4-1196	9.263738	1.141926	0.699172	1.633255	0.102415	0.49789	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	(TGAA)n|S	21477	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr2-1124	9.238973	1.147243	0.702691	1.632641	0.102544	0.49789	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSc8|SI	22922	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr17-554	8.750899	1.193518	0.731848	1.630829	0.102926	0.49789	chr17	55406343	55411609	+	0	NA	intron (N	AluSz|SIN	12859	NM_012329	23531	Hs.463483	NM_012329	ENSG00000	MMD	MMA|MMD1|	monocyte	protein-coding
chr4-5428	8.750899	1.193518	0.731848	1.630829	0.102926	0.49789	chr4	54285235	54299083	+	0	NA	intron (N	L1PA11|LI	-40733	NR_147160	1.05E+08	Hs.157697	NR_147160		LINC02283	-	long inte	ncRNA
chr9-4383	8.750899	1.193518	0.731848	1.630829	0.102926	0.49789	chr9	43830184	43830603	+	0	NA	Intergeni	ALR/Alpha	704227	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1809	8.738517	1.196445	0.733835	1.630402	0.103017	0.49789	chr1	1.81E+08	1.81E+08	+	0	NA	exon (NM_	exon (NM_	4006	NM_020950	57710	Hs.734816	NM_020950	ENSG00000	KIAA1614	-	KIAA1614	protein-coding
chr13-322	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr13	32239091	32241078	+	0	NA	intron (N	intron (N	71870	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr13-950	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr13	95097608	95098083	+	0	NA	intron (N	L1ME2|LIN	-112499	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr16-675	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr16	67545194	67546624	+	0	NA	intron (N	intron (N	8447	NM_001193	79567	Hs.152717	NM_024519	ENSG00000	RIPOR1	FAM65A	RHO famil	protein-coding
chr17-291	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr17	29108391	29111758	+	0	NA	exon (NM_	exon (NM_	30315	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr2-1331	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1PA4|LIN	-136992	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr4-7309	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr4	73090047	73092335	+	0	NA	exon (NM_	exon (NM_	-21432	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr6-1121	8.250443	1.249091	0.766144	1.63036	0.103025	0.49789	chr6	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	25121	NM_001033	619208	Hs.591340	NM_001033	ENSG00000	FAM229B	C6orf225	family wi	protein-coding
chr12-708	9.236765	1.142687	0.701242	1.629518	0.103203	0.49789	chr12	7080493	7083591	+	0	NA	exon (NM_	exon (NM_	9851	NM_001354	715	Hs.524224	NM_001733	ENSG00000	C1R	EDSPD1	complemen	protein-coding
chr3-1296	9.236765	1.142687	0.701242	1.629518	0.103203	0.49789	chr3	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	18121	NM_001349	23023	Hs.477547	NM_015008	ENSG00000	TMCC1	-	transmemb	protein-coding
chrX-4114	8.796878	1.204739	0.741647	1.62441	0.104288	0.50061	chrX	41149290	41149653	+	0	NA	intron (N	intron (N	64026	NM_001039	8239	Hs.77578	NM_004652	ENSG00000	USP9X	DFFRX|FAF	ubiquitin	protein-coding
chr1-2064	8.277416	1.247994	0.768334	1.624286	0.104315	0.50061	chr1	2.06E+08	2.06E+08	+	0	NA	exon (NM_	exon (NM_	-17214	NM_001193	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr2-1344	8.277416	1.247994	0.768334	1.624286	0.104315	0.50061	chr2	1.34E+08	1.34E+08	+	0	NA	exon (NM_	exon (NM_	194752	NM_002410	4249	Hs.4988	NM_002410	ENSG00000	MGAT5	GNT-V|GNT	alpha-1,6	protein-coding
chr1-1489	8.763282	1.19057	0.733639	1.622828	0.104626	0.50061	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	AluSx|SIN	5598	NR_037182	653513	Hs.632434	NR_037182		LOC653513	-	phosphodi	pseudo
chr1-2254	8.763282	1.19057	0.733639	1.622828	0.104626	0.50061	chr1	2.25E+08	2.25E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-68878	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr1-1225	8.736309	1.191469	0.73494	1.621178	0.10498	0.50061	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	998723	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr7-1001	8.736309	1.191469	0.73494	1.621178	0.10498	0.50061	chr7	1E+08	1E+08	+	0	NA	intron (N	AluSx1|SI	8406	NM_001364	6878	Hs.489309	NM_005641	ENSG00000	TAF6	ALYUS|MGC	TATA-box	protein-coding
chr14-100	8.723926	1.194415	0.736948	1.620757	0.10507	0.50061	chr14	1.01E+08	1.01E+08	+	0	NA	intron (N	MIRb|SINE	41558	NM_001159	57596	Hs.211751	NM_020836	ENSG00000	BEGAIN	-	brain enr	protein-coding
chr19-579	11.97744	0.881169	0.544042	1.619671	0.105303	0.50061	chr19	57971943	58001383	+	0	NA	intron (N	L1M4|LINE	-12129	NM_152474	147685	Hs.134209	NM_152474	ENSG00000	C19orf18	-	chromosom	protein-coding
chr1-1235	11.96506	0.882619	0.545404	1.618285	0.105601	0.50061	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2070827	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-4029	8.235853	1.246847	0.770634	1.61795	0.105673	0.50061	chr1	40291896	40293001	+	0	NA	exon (NM_	exon (NM_	24838	NM_001852	1298	Hs.418012	NM_001852	ENSG00000	COL9A2	DJ39G22.4	collagen	protein-coding
chr1-1479	8.235853	1.246847	0.770634	1.61795	0.105673	0.50061	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	AluJb|SIN	17399	NM_016334	51463	Hs.504320	NM_016334	ENSG00000	GPR89B	GPHR|GPR8	G protein	protein-coding
chr11-122	8.235853	1.246847	0.770634	1.61795	0.105673	0.50061	chr11	1.22E+08	1.22E+08	+	0	NA	promoter-	promoter-	-140	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr2-1710	8.235853	1.246847	0.770634	1.61795	0.105673	0.50061	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSz6|SI	38974	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr1-2243	11.98982	0.879735	0.543874	1.617536	0.105763	0.50061	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJr|SIN	-13477	NR_039896	1.01E+08		NR_039896	ENSG00000	MIR4742	mir-4742	microRNA	ncRNA
chr4-5208	8.211087	1.253393	0.775283	1.61669	0.105945	0.500844	chr4	52082621	52082862	+	0	NA	intron (N	intron (N	31437	NM_001297	132671	Hs.527090	NM_145263	ENSG00000	SPATA18	Mieap|SPE	spermatog	protein-coding
chr2-9261	11.96285	-0.88	0.544663	-1.61568	0.106163	0.501243	chr2	92617681	92618734	+	0	NA	Intergeni	ALR/Alpha	677074	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-5663	9.261531	-1.1373	0.70425	-1.61491	0.10633	0.501404	chr6	56636242	56637061	+	0	NA	exon (NM_	exon (NM_	6238	NM_001723	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-8465	8.748692	-1.18848	0.73676	-1.61312	0.106718	0.502602	chr1	84655942	84656462	+	0	NA	intron (N	intron (N	-21182	NR_027379	439927	Hs.407054	NM_001033	ENSG00000	LINC01555	C1orf180	long inte	ncRNA
chr5-7121	14.18848	-0.73532	0.456118	-1.61213	0.106933	0.502987	chr5	71218812	71222518	+	0	NA	intron (N	AluJr|SIN	-12534	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr16-468	8.790255	-1.18957	0.738299	-1.61123	0.107129	0.503279	chr16	4680383	4680673	+	0	NA	intron (N	intron (N	9210	NR_106827	1.02E+08		NR_106827	ENSG00000	MIR6769A	hsa-mir-6	microRNA	ncRNA
chr4-9988	11.98761	-0.8771	0.54553	-1.6078	0.107879	0.50614	chr4	99881770	99882029	+	0	NA	non-codin	non-codin	12528	NM_021970	8649	Hs.433332	NM_021970	ENSG00000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr7-1075	9.815933	-1.09297	0.680114	-1.60704	0.108046	0.50614	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA7|LIN	-26812	NR_073005	11062	Hs.97627	NM_181581	ENSG00000	DUS4L	DUS4|PP35	dihydrour	protein-coding
chr18-172	8.775665	-1.1875	0.739417	-1.60599	0.108276	0.50614	chr18	17240247	17240454	+	0	NA	Intergeni	ALR/Alpha	-1914431	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chrX-1045	8.775665	-1.1875	0.739417	-1.60599	0.108276	0.50614	chrX	10454629	10454851	+	0	NA	intron (N	intron (N	112863	NM_001193	4281	Hs.27695	NM_000381	ENSG00000	MID1	BBBG1|FXY	midline 1	protein-coding
chr19-496	8.20888	-1.24785	0.777598	-1.60475	0.108549	0.506787	chr19	4961424	4961676	+	0	NA	3’ UTR (N	3’ UTR (N	-7563	NM_015015	23030	Hs.654816	NM_015015	ENSG00000	KDM4B	JMJD2B|TD	lysine de	protein-coding
chr4-1593	8.248235	-1.24346	0.775158	-1.60414	0.108684	0.506787	chr4	1.59E+08	1.59E+08	+	0	NA	intron (N	AluSx4|SI	56225	NM_014247	9693	Hs.744884	NM_014247	ENSG00000	RAPGEF2	CNrasGEF|	Rap guani	protein-coding
chr1-1008	9.24694	-1.13531	0.7081	-1.60331	0.108865	0.507006	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	17397	NM_001033	2135	Hs.357637	NM_001439	ENSG00000	EXTL2	EXTR2	exostosin	protein-coding
chr1-1489	11.49157	-0.90663	0.567925	-1.5964	0.1104	0.513517	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	14812	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr1-1542	11.47698	-0.90535	0.56811	-1.59361	0.111023	0.515142	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-13208	NR_145714	1.1E+08		NR_145714	ENSG00000	SNORA58B	-	small nuc	snoRNA
chr6-1473	11.47698	-0.90535	0.56811	-1.59361	0.111023	0.515142	chr6	1.47E+08	1.47E+08	+	0	NA	intron (N	THE1C-int	-99433	NR_034115	729178	Hs.557608	NR_034115		STXBP5-AS	-	STXBP5 an	ncRNA
chr19-955	13.7172	-0.75158	0.47246	-1.59077	0.111661	0.517465	chr19	9559998	9569955	+	0	NA	3’ UTR (N	3’ UTR (N	19528	NM_001308	7675	Hs.501537	NM_001008	ENSG00000	ZNF121	D19S204|Z	zinc fing	protein-coding
chr19-513	9.259323	-1.13235	0.714928	-1.58387	0.113223	0.523412	chr19	51345710	51346231	+	0	NA	intron (N	intron (N	-3846	NM_001163	147645	Hs.293236	NM_001163	ENSG00000	VSIG10L	-	V-set and	protein-coding
chr22-402	9.259323	-1.13235	0.714928	-1.58387	0.113223	0.523412	chr22	40286285	40287076	+	0	NA	intron (N	intron (N	-59820	NM_001123	158	Hs.75527	NM_000026	ENSG00000	ADSL	AMPS|ASAS	adenylosu	protein-coding
chr11-518	15.90347	-0.6432	0.407555	-1.57819	0.114523	0.528772	chr11	51810430	51811089	+	0	NA	Intergeni	ALR/Alpha	1401612	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-1612	10.99112	-0.93311	0.593853	-1.57128	0.116118	0.535481	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSz|SIN	-3819	NM_004106	2207	Hs.433300	NM_004106	ENSG00000	FCER1G	FCRG	Fc fragme	protein-coding
chr19-264	13.19198	-0.76953	0.491218	-1.56657	0.117216	0.538991	chr19	26437200	26438043	+	0	NA	Intergeni	ALR/Alpha	-1355810	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr15-101	10.96194	-0.93024	0.596622	-1.55918	0.118955	0.538991	chr15	1.02E+08	1.02E+08	+	0	NA	Intergeni	CpG	-17122	NM_001321	1E+08	Hs.104864	NM_001321551		LOC100128	-	putative	protein-coding
chr17-163	10.49287	-0.96566	0.621347	-1.55415	0.120149	0.538991	chr17	16381908	16384390	+	0	NA	TTS (NM_0	TTS (NM_0	1684	NM_001281	7314	Hs.356190	NM_018955	ENSG00000	UBB	HEL-S-50	ubiquitin	protein-coding
chr1-2014	10.47828	-0.96412	0.62153	-1.5512	0.120854	0.538991	chr1	2.01E+08	2.01E+08	+	0	NA	non-codin	non-codin	3067	NR_073080	23612	Hs.153944	NM_012396	ENSG00000	PHLDA3	TIH1	pleckstri	protein-coding
chr17-165	10.47828	-0.96412	0.62153	-1.5512	0.120854	0.538991	chr17	1650455	1667269	+	0	NA	intron (N	intron (N	-8996	NM_031430	83547	Hs.534497	NM_031430	ENSG00000	RILP	PP10141	Rab inter	protein-coding
chr2-2153	10.47828	-0.96412	0.62153	-1.5512	0.120854	0.538991	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	51333	NM_212474	2335	Hs.203717	NM_002026	ENSG00000	FN1	CIG|ED-B|	fibronect	protein-coding
chr2-2154	10.47828	-0.96412	0.62153	-1.5512	0.120854	0.538991	chr2	2.15E+08	2.15E+08	+	0	NA	intron (N	intron (N	12787	NM_212474	2335	Hs.203717	NM_002026	ENSG00000	FN1	CIG|ED-B|	fibronect	protein-coding
chr1-1458	10.50525	-0.96365	0.622214	-1.54874	0.121443	0.538991	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSz|SIN	4281	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr15-771	10.50525	-0.96365	0.622214	-1.54874	0.121443	0.538991	chr15	77198585	77200448	+	0	NA	intron (N	Tigger2|D	25888	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr1-2330	10.49066	-0.9621	0.622399	-1.54579	0.122156	0.538991	chr1	23309840	23310764	+	0	NA	3’ UTR (N	3’ UTR (N	-24784	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr22-139	9.98003	-1.00023	0.650813	-1.53689	0.12432	0.538991	chr22	13927444	13927682	+	0	NA	Intergeni	ALR/Alpha	-1600596	NM_001005	81061	Hs.554706	NM_001005	ENSG00000	OR11H1	OR11H12|O	olfactory	protein-coding
chr1-2354	10.007	-0.99968	0.651257	-1.535	0.124783	0.538991	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluJb|SIN	9954	NM_001277	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr1-1543	9.992412	-0.99799	0.65066	-1.53382	0.125074	0.538991	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	3110	NM_001367	57198	Hs.435700	NM_020452	ENSG00000	ATP8B2	ATPID	ATPase ph	protein-coding
chr1-1717	9.992412	-0.99799	0.65066	-1.53382	0.125074	0.538991	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	MER63B|DN	8175	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr1-2227	9.992412	-0.99799	0.65066	-1.53382	0.125074	0.538991	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	-11660	NM_207468	400823	Hs.697608	NM_207468	ENSG00000	FAM177B	-	family wi	protein-coding
chr17-590	9.992412	-0.99799	0.65066	-1.53382	0.125074	0.538991	chr17	59043462	59043759	+	0	NA	intron (N	L1M4b|LIN	63270	NM_001353	4591	Hs.579079	NM_015294	ENSG00000	TRIM37	MUL|POB1|	tripartit	protein-coding
chr4-1865	9.992412	-0.99799	0.65066	-1.53382	0.125074	0.538991	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	L1ME3G|LI	-46857	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonin	protein-coding
chr3-1959	14.92953	-0.66397	0.433138	-1.53294	0.125292	0.538991	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	L1MA9|LIN	9594	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr2-9256	9.965439	-0.99854	0.65176	-1.53207	0.125506	0.538991	chr2	92560716	92562618	+	0	NA	Intergeni	ALR/Alpha	620534	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr1-1800	9.977822	-0.9963	0.651608	-1.52899	0.126268	0.538991	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx1|SI	-73681	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2024	9.977822	-0.9963	0.651608	-1.52899	0.126268	0.538991	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluYk11|S	-30782	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr14-884	9.977822	-0.9963	0.651608	-1.52899	0.126268	0.538991	chr14	88414816	88418859	+	0	NA	exon (NM_	exon (NM_	31180	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr16-160	9.977822	-0.9963	0.651608	-1.52899	0.126268	0.538991	chr16	16075283	16090856	+	0	NA	intron (N	intron (N	133453	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr21-372	9.977822	-0.9963	0.651608	-1.52899	0.126268	0.538991	chr21	37226096	37228796	+	0	NA	intron (N	intron (N	18943	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr10-294	9.984445	-1.00839	0.661554	-1.52428	0.127439	0.538991	chr10	29465094	29465848	+	0	NA	intron (N	MIR|SINE|	55228	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr1-1490	9.494164	-1.03817	0.681176	-1.52408	0.127489	0.538991	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	MIRb|SINE	52310	NM_001350	9659	Hs.584841	NM_014644	ENSG00000	PDE4DIP	CMYA2|MMG	phosphodi	protein-coding
chr1-1681	9.494164	-1.03817	0.681176	-1.52408	0.127489	0.538991	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	20811	NM_152902	261726	Hs.209431	NM_152902	ENSG00000	TIPRL	TIP|TIP41	TOR signa	protein-coding
chr19-122	9.494164	-1.03817	0.681176	-1.52408	0.127489	0.538991	chr19	12269258	12285207	+	0	NA	intron (N	MER68|LTR	17380	NM_001353	51710	Hs.296731	NM_016264	ENSG00000	ZNF44	GIOT-2|KO	zinc fing	protein-coding
chr2-1743	9.494164	-1.03817	0.681176	-1.52408	0.127489	0.538991	chr2	1.74E+08	1.74E+08	+	0	NA	exon (NM_	exon (NM_	13978	NM_001145	1E+08		NM_001145	ENSG00000	SP9	ZNF990	Sp9 trans	protein-coding
chr10-500	9.950849	-0.99684	0.654283	-1.52355	0.12762	0.538991	chr10	50008155	50009504	+	0	NA	exon (NM_	exon (NM_	20511	NM_001365	414189	Hs.536158	NM_001077	ENSG00000	AGAP6	AGAP-6|CT	ArfGAP wi	protein-coding
chr1-1481	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	25070	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding

chr1-1562	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJo|SIN	-7608	NM_001272	79957	Hs.235873	NM_024897	ENSG00000	PAQR6	PRdelta	progestin	protein-coding
chr1-2017	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluY|SINE	-23645	NR_031599	1E+08		NR_031599	ENSG00000	MIR1231	MIRN1231|	microRNA	ncRNA
chr1-2028	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr1	2.03E+08	2.03E+08	+	0	NA	exon (NM_	exon (NM_	-5445	NM_002871	5877	Hs.90875	NM_002871	ENSG00000	RABIF	MSS4|RASC	RAB inter	protein-coding
chr1-2029	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	L1PB3|LIN	12579	NM_001290	51094	Hs.5298	NM_015999	ENSG00000	ADIPOR1	ACDCR1|CG	adiponect	protein-coding
chr11-515	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr11	51523027	51523950	+	0	NA	Intergeni	ALR/Alpha	1114341	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr11-660	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr11	66053395	66069441	+	0	NA	intron (N	MIR3|SINE	8274	NR_145738	1.1E+08		NR_145738		SNORD13F	-	small nuc	snoRNA
chr17-313	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr17	31373745	31374231	+	0	NA	intron (N	intron (N	-17687	NM_032932	84440	Hs.406788	NM_032932	ENSG00000	RAB11FIP4	FIP4-Rab1	RAB11 fam	protein-coding
chr17-803	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr17	80350829	80355093	+	0	NA	exon (NM_	exon (NM_	-62206	NM_001352	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr19-377	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr19	37737261	37740659	+	0	NA	exon (NM_	exon (NM_	-19199	NM_032689	84775	Hs.116622	NM_032689	ENSG00000	ZNF607	-	zinc fing	protein-coding
chr19-576	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr19	57698819	57706889	+	0	NA	intron (N	intron (N	6350	NR_110975	7710	Hs.646378	NM_003444	ENSG00000	ZNF154	pHZ-92	zinc fing	protein-coding
chr2-1214	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	-83215	NR_023343	1E+08	Hs.689638	NR_023343	ENSG00000	RNU4ATAC	MOPD1|RFM	RNA, U4at	snRNA
chr22-362	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr22	36278886	36301624	+	0	NA	intron (N	AluJr|SIN	-3348	NR_106877	1.02E+08		NR_106877	ENSG00000	MIR6819	hsa-mir-6	microRNA	ncRNA
chr3-1343	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	-1585	NR_106885	1.02E+08		NR_106885	ENSG00000	MIR6827	hsa-mir-6	microRNA	ncRNA
chr5-1516	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-10235	NR_109873	1.02E+08	Hs.571023	NR_109873	ENSG00000	CLMAT3	CTB-113P1	colorecta	ncRNA
chr6-8219	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr6	82198736	82200899	+	0	NA	intron (N	L2c|LINE|	47927	NM_001300	25998	Hs.306425	NM_015525	ENSG00000	IBTK	BTBD26|BT	inhibitor	protein-coding
chr7-4456	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr7	44567257	44572729	+	0	NA	intron (N	intron (N	4545	NM_001257	54606	Hs.654762	NM_019082	ENSG00000	DDX56	DDX21|DDX	DEAD-box	protein-coding
chr9-1223	9.479573	-1.03634	0.681333	-1.52104	0.128249	0.538991	chr9	1.22E+08	1.22E+08	+	0	NA	intron (N	MER58A|DN	5232	NM_001271	5742	Hs.201978	NM_000962	ENSG00000	PTGS1	COX1|COX3	prostagla	protein-coding
chr4-8734	9.963232	-0.99457	0.654132	-1.52045	0.128399	0.538991	chr4	87344815	87345408	+	0	NA	intron (N	AluJo|SIN	-22229	NM_178135	345275	Hs.284414	NM_178135	ENSG00000	HSD17B13	HMFN0376|	hydroxyst	protein-coding
chr10-405	9.990205	-0.99401	0.653937	-1.52004	0.1285	0.538991	chr10	40545676	40546475	+	0	NA	Intergeni	ALR/Alpha	1821970	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr1-1243	9.469398	-1.04323	0.687341	-1.51777	0.129072	0.538991	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2846695	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-5649	8.495459	-1.12947	0.744583	-1.51692	0.129287	0.538991	chr1	56493952	56496811	+	0	NA	3’ UTR (N	3’ UTR (N	80418	NR_147163	1.05E+08	Hs.183974	NR_147163	ENSG00000	LINC01767	-	long inte	ncRNA
chr1-2064	8.495459	-1.12947	0.744583	-1.51692	0.129287	0.538991	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-64578	NM_001193	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr13-952	8.495459	-1.12947	0.744583	-1.51692	0.129287	0.538991	chr13	95205828	95213365	+	0	NA	promoter-	promoter-	-748	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr19-123	8.495459	-1.12947	0.744583	-1.51692	0.129287	0.538991	chr19	12318068	12322723	+	0	NA	intron (N	AluJb|SIN	13238	NM_145276	147837	Hs.663510	NM_145276	ENSG00000	ZNF563	-	zinc fing	protein-coding
chr19-183	8.495459	-1.12947	0.744583	-1.51692	0.129287	0.538991	chr19	18386690	18389759	+	0	NA	intron (N	intron (N	1662	NR_036156	1E+08		NR_036156	ENSG00000	MIR3189	mir-3189	microRNA	ncRNA
chr17-676	8.981325	-1.08141	0.713061	-1.51658	0.129374	0.538991	chr17	6764278	6774769	+	0	NA	intron (N	L1MEd|LIN	-6692	NM_153230	162517	Hs.368364	NM_153230	ENSG00000	FBXO39	CT144|Fbx	F-box pro	protein-coding
chr4-1851	8.510049	-1.13161	0.746696	-1.51549	0.129648	0.538991	chr4	1.85E+08	1.85E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19258	NM_001151	291	Hs.246506	NM_001151	ENSG00000	SLC25A4	AAC1|ANT|	solute ca	protein-coding
chr14-100	8.497667	-1.13466	0.748742	-1.51543	0.129664	0.538991	chr14	1.01E+08	1.01E+08	+	0	NA	promoter-	promoter-	-326	NR_003203	767588		NR_003203	ENSG00000	SNORD114-	14q(II-10	small nuc	snoRNA
chr11-625	9.491956	-1.03384	0.68264	-1.51448	0.129905	0.538991	chr11	62593855	62598975	+	0	NA	intron (N	intron (N	4835	NM_001330	9219	Hs.173043	NM_004739	ENSG00000	MTA2	MTA1L1|PI	metastasi	protein-coding
chr2-1053	9.491956	-1.03384	0.68264	-1.51448	0.129905	0.538991	chr2	1.05E+08	1.05E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9455	NM_024093	79074	Hs.549577	NM_024093	ENSG00000	C2orf49	asw	chromosom	protein-coding
chr8-6722	9.491956	-1.03384	0.68264	-1.51448	0.129905	0.538991	chr8	67225417	67227682	+	0	NA	intron (N	MIR|SINE|	117232	NM_006421	10565	Hs.656902	NM_006421	ENSG00000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-9943	9.010506	-1.08542	0.71676	-1.51433	0.129941	0.538991	chr8	99432410	99434053	+	0	NA	intron (N	intron (N	103499	NR_030329	693184		NR_030329	ENSG00000	MIR599	MIRN599|h	microRNA	ncRNA
chr4-1195	9.464983	-1.03449	0.683239	-1.5141	0.13	0.538991	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	62692	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr5-3712	9.464983	-1.03449	0.683239	-1.5141	0.13	0.538991	chr5	37121395	37121648	+	0	NA	intron (N	intron (N	-127525	NR_134263	1.05E+08	Hs.170993	NR_134263	ENSG00000	LOC105374	-	uncharact	ncRNA
chr7-5520	9.464983	-1.03449	0.683239	-1.5141	0.13	0.538991	chr7	55200102	55203631	+	0	NA	intron (N	intron (N	-12917	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr1-3538	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr1	35381441	35381992	+	0	NA	exon (NM_	exon (NM_	-15639	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr1-1988	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr1	1.99E+08	1.99E+08	+	0	NA	TTS (NR_0	TTS (NR_0	240	NR_029612	406955		NR_029612	ENSG00000	MIR181B1	MIRN181B1	microRNA	ncRNA
chr1-2011	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	8103	NM_001288	252839	Hs.181444	NM_016456	ENSG00000	TMEM9	DERM4|TME	transmemb	protein-coding
chr1-2067	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr1	2.07E+08	2.07E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-38352	NM_153758	29949	Hs.661017	NM_013371	ENSG00000	IL19	IL-10C|MD	interleuk	protein-coding
chr1-2309	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	49426	NR_110681	1.02E+08	Hs.638929	NR_110681	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-731	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr10	73174758	73182877	+	0	NA	intron (N	intron (N	10698	NM_173348	317662	Hs.408577	NM_173348	ENSG00000	FAM149B1	KIAA0974	family wi	protein-coding
chr12-571	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr12	57172397	57213926	+	0	NA	intron (N	intron (N	-1343	NR_031597	1E+08		NR_031597	ENSG00000	MIR1228	MIRN1228|	microRNA	ncRNA
chr16-160	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr16	16097884	16127555	+	0	NA	intron (N	intron (N	110752	NM_001171	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr17-817	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr17	817722	820297	+	0	NA	intron (N	AluSx1|SI	36656	NM_001317	55178	Hs.182729	NM_018146	ENSG00000	MRM3	RMTL1|RNM	mitochond	protein-coding
chr17-803	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr17	80385201	80391645	+	0	NA	intron (N	intron (N	-26744	NM_001352	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr17-809	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr17	80995030	80997843	+	0	NA	intron (N	intron (N	4595	NM_024591	79643	Hs.514560	NM_024591	ENSG00000	CHMP6	VPS20	charged m	protein-coding
chr2-7027	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr2	70274883	70277280	+	0	NA	intron (N	AluSx1|SI	17143	NM_001317	6637	Hs.465167	NM_003096	ENSG00000	SNRPG	SMG|Sm-G	small nuc	protein-coding
chr21-269	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr21	26927428	26927975	+	0	NA	intron (N	L2a|LINE|	-26260	NR_039916	1.01E+08		NR_039916	ENSG00000	MIR4759	-	microRNA	ncRNA
chr22-207	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr22	20763583	20765635	+	0	NA	intron (N	intron (N	-9504	NM_000185	3053	Hs.474270	NM_000185	ENSG00000	SERPIND1	D22S673|H	serpin fa	protein-coding
chr5-4763	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr5	47631951	47633692	+	0	NA	Intergeni	ALR/Alpha	-1936441	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr7-1119	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr7	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	135431	NR_103806	1.01E+08	Hs.677513	NR_103806	ENSG00000	DOCK4-AS1	-	DOCK4 ant	ncRNA
chr9-1274	8.480868	-1.12735	0.744634	-1.51397	0.130034	0.538991	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	AluY|SINE	33216	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr5-1283	8.468486	-1.13037	0.746662	-1.5139	0.130052	0.538991	chr5	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	187995	NM_001999	2201	Hs.519294	NM_001999	ENSG00000	FBN2	CCA|DA9|E	fibrillin	protein-coding
chr1-1510	8.993707	-1.07867	0.712957	-1.51296	0.130291	0.538991	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	-7065	NM_138278	149428	Hs.591473	NM_138278	ENSG00000	BNIPL	BNIP-S|BN	BCL2 inte	protein-coding
chr11-108	8.993707	-1.07867	0.712957	-1.51296	0.130291	0.538991	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L2c|LINE|	12654	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serin	protein-coding
chr19-268	8.993707	-1.07867	0.712957	-1.51296	0.130291	0.538991	chr19	26826473	26827436	+	0	NA	Intergeni	ALR/Alpha	-966477	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-1916	8.993707	-1.07867	0.712957	-1.51296	0.130291	0.538991	chr2	1.92E+08	1.92E+08	+	0	NA	intron (N	intron (N	5839	NR_045623	64859	Hs.591610	NM_022837	ENSG00000	NABP1	OBFC2A|SO	nucleic a	protein-coding
chr9-1281	8.993707	-1.07867	0.712957	-1.51296	0.130291	0.538991	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	5945	NR_049766	114789	Hs.5476	NM_052901	ENSG00000	SLC25A25	MCSC|PCSC	solute ca	protein-coding
chr7-7320	12.19107	-0.80532	0.532535	-1.51223	0.130475	0.538991	chr7	73206823	73207660	+	0	NA	TTS (NR_0	TTS (NR_0	-13398	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr1-1552	8.966734	-1.07943	0.714148	-1.5115	0.130661	0.538991	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	-3248	NM_001005	2629	Hs.282997	NM_000157	ENSG00000	GBA	GBA1|GCB|	glucosylc	protein-coding
chr19-112	8.966734	-1.07943	0.714148	-1.5115	0.130661	0.538991	chr19	11220333	11224577	+	0	NA	intron (N	intron (N	-17164	NM_018687	55908	Hs.534467	NM_018687	ENSG00000	ANGPTL8	C19orf80|	angiopoie	protein-coding
chr19-123	8.966734	-1.07943	0.714148	-1.5115	0.130661	0.538991	chr19	12346969	12354224	+	0	NA	exon (NM_	exon (NM_	15087	NM_030824	79973	Hs.253193	NM_030824	ENSG00000	ZNF442	-	zinc fing	protein-coding
chr3-4456	8.966734	-1.07943	0.714148	-1.5115	0.130661	0.538991	chr3	44568641	44572844	+	0	NA	exon (NM_	exon (NM_	-14222	NR_147692	1.1E+08	Hs.157035	NM_001351732		ZNF660-ZN	-	ZNF660-ZN	protein-coding
chr4-7155	8.966734	-1.07943	0.714148	-1.5115	0.130661	0.538991	chr4	71557622	71557927	+	0	NA	exon (NM_	exon (NM_	218721	NM_003759	8671	Hs.5462	NM_003759	ENSG00000	SLC4A4	HNBC1|KNB	solute ca	protein-coding
chr7-1287	8.512257	-1.13689	0.753121	-1.50957	0.131152	0.538991	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	AluJo|SIN	17596	NM_001199	813	Hs.7753	NM_001219	ENSG00000	CALU	-	calumenin	protein-coding
chr1-2470	14.41669	-0.67607	0.447982	-1.50915	0.131261	0.538991	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	3909	NM_024804	79862	Hs.163754	NM_024804	ENSG00000	ZNF669	-	zinc fing	protein-coding
chr3-1237	8.507842	-1.12645	0.746497	-1.50898	0.131303	0.538991	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	L2a|LINE|	62210	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr8-7206	8.507842	-1.12645	0.746497	-1.50898	0.131303	0.538991	chr8	72061206	72062494	+	0	NA	intron (N	intron (N	13734	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr13-952	9.948641	-0.99279	0.658311	-1.50808	0.131533	0.538991	chr13	95246141	95247553	+	0	NA	intron (N	intron (N	36503	NR_145733	1.1E+08		NR_145733		SNORD13G	-	small nuc	snoRNA
chr20-520	8.979117	-1.07669	0.714046	-1.50787	0.131589	0.538991	chr20	52086602	52087909	+	0	NA	intron (N	(TTTCTAT)	18229	NM_001319	55734	Hs.473082	NM_018197	ENSG00000	ZFP64	ZNF338	ZFP64 zin	protein-coding
chr3-1250	8.979117	-1.07669	0.714046	-1.50787	0.131589	0.538991	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L1MEc|LIN	-35170	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr1-1239	8.466278	-1.12521	0.746851	-1.50661	0.131911	0.538991	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2395909	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr13-952	8.466278	-1.12521	0.746851	-1.50661	0.131911	0.538991	chr13	95262091	95266784	+	0	NA	intron (N	L1MC4|LIN	37009	NM_005845	10257	Hs.508423	NM_005845	ENSG00000	ABCC4	MOAT-B|MO	ATP bindi	protein-coding
chr4-1216	8.493251	-1.12432	0.74655	-1.50602	0.132062	0.538991	chr4	1.22E+08	1.22E+08	+	0	NA	TTS (NM_0	TTS (NM_0	29417	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr5-1391	8.493251	-1.12432	0.74655	-1.50602	0.132062	0.538991	chr5	13918391	13920898	+	0	NA	intron (N	L1MA4A|LI	24836	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr7-4741	9.518929	-1.03313	0.686795	-1.50427	0.132512	0.539864	chr7	47417214	47417416	+	0	NA	intron (N	intron (N	47488	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr19-745	25.71514	0.460242	0.305997	1.504072	0.132563	0.539864	chr19	7450651	7452558	+	0	NA	intron (N	AluJo|SIN	11916	NM_001130	23370	Hs.465761	NM_015318	ENSG00000	ARHGEF18	P114-RhoG	Rho/Rac g	protein-coding
chr19-191	9.020681	-1.07788	0.717149	-1.503	0.132839	0.540403	chr19	19123234	19124171	+	0	NA	intron (N	L1MEd|LIN	14776	NM_017814	54929	Hs.631629	NM_017814	ENSG00000	TMEM161A	AROS-29	transmemb	protein-coding
chr10-405	8.952144	-1.07744	0.71722	-1.50224	0.133035	0.540618	chr10	40542935	40544007	+	0	NA	Intergeni	ALR/Alpha	1824574	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr2-1105	8.478661	-1.12215	0.748788	-1.49862	0.133971	0.542321	chr2	1.11E+08	1.11E+08	+	0	NA	intron (N	AluSc|SIN	-49839	NM_001205	1E+08	Hs.535619	NM_001205	ENSG00000	LIMS4	LIMS3L	LIM zinc	protein-coding
chr17-291	8.964527	-1.07466	0.717121	-1.49858	0.133983	0.542321	chr17	29165363	29166951	+	0	NA	exon (NM_	exon (NM_	10616	NM_001346	399687	Hs.462590	NM_078471	ENSG00000	MYO18A	MAJN|MYSP	myosin XV	protein-coding
chr1-1489	8.9915	-1.07388	0.717386	-1.49693	0.134411	0.542321	chr1	1.49E+08	1.49E+08	+	0	NA	TTS (NR_0	TTS (NR_0	3854	NR_037182	653513	Hs.632434	NR_037182		LOC653513	-	phosphodi	pseudo
chr5-1382	8.9915	-1.07388	0.717386	-1.49693	0.134411	0.542321	chr5	13828112	13829676	+	0	NA	intron (N	MLT1E1A|L	115586	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr6-1308	8.9915	-1.07388	0.717386	-1.49693	0.134411	0.542321	chr6	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	42029	NM_001195	1.01E+08	Hs.388715	NM_001195	ENSG00000	SMLR1	-	small leu	protein-coding
chr8-3264	8.9915	-1.07388	0.717386	-1.49693	0.134411	0.542321	chr8	32643362	32643703	+	0	NA	intron (N	MLT1H1|LT	-3200	NM_013959	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr7-5986	8.941969	-1.08509	0.724973	-1.49673	0.134463	0.542321	chr7	59864237	59865150	+	0	NA	Intergeni	ALR/Alpha	2414516	NM_001159	441234	Hs.533121	NM_001159	ENSG00000	ZNF716	-	zinc fing	protein-coding
chr18-763	8.451688	-1.12303	0.751315	-1.49475	0.13498	0.543283	chr18	76361390	76362505	+	0	NA	3’ UTR (N	3’ UTR (N	-129705	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr10-608	8.439305	-1.12609	0.753386	-1.4947	0.134993	0.543283	chr10	60884990	60886340	+	0	NA	intron (N	MIR3|SINE	58520	NM_014836	9886	Hs.737374	NM_014836	ENSG00000	RHOBTB1	-	Rho relat	protein-coding
chr2-1890	9.489748	-1.02936	0.688925	-1.49416	0.135135	0.543283	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	63970	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr19-365	11.71979	-0.82784	0.555196	-1.49107	0.135942	0.545834	chr19	36511038	36527083	+	0	NA	intron (N	intron (N	9211	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr15-553	8.505634	-1.12117	0.752627	-1.48967	0.13631	0.545834	chr15	55379770	55379969	+	0	NA	intron (N	AluSq2|SI	-6835	NR_030358	693213		NR_030358	ENSG00000	MIR628	MIRN628|h	microRNA	ncRNA
chr17-106	13.93304	-0.69061	0.463646	-1.48952	0.13635	0.545834	chr17	1062218	1073276	+	0	NA	intron (N	MER117|DN	11246	NM_001282	29	Hs.159306	NM_001092	ENSG00000	ABR	MDB	ABR activ	protein-coding
chr19-441	13.93304	-0.69061	0.463646	-1.48952	0.13635	0.545834	chr19	44165980	44177862	+	0	NA	intron (N	intron (N	6757	NM_001032	7769	Hs.145956	NM_015919	ENSG00000	ZNF226	-	zinc fing	protein-coding
chr1-2448	11.7052	-0.8266	0.555383	-1.48834	0.136662	0.545924	chr1	2.45E+08	2.45E+08	+	0	NA	intron (N	intron (N	-2172	NR_132782	1.07E+08		NR_132782		SNORA100	-	small nuc	snoRNA
chr17-701	11.7052	-0.8266	0.555383	-1.48834	0.136662	0.545924	chr17	70174962	70177742	+	0	NA	3’ UTR (N	3’ UTR (N	6817	NM_000891	3759	Hs.1547	NM_000891	ENSG00000	KCNJ2	ATFB9|HHE	potassium	protein-coding
chr2-6990	8.491044	-1.11895	0.75492	-1.48222	0.138283	0.551812	chr2	69904462	69904805	+	0	NA	non-codin	non-codin	-10408	NM_001202	4084	Hs.468908	NM_002357	ENSG00000	MXD1	BHLHC58|M	MAX dimer	protein-coding
chr1-9988	9.003883	-1.07091	0.724448	-1.47825	0.139341	0.555445	chr1	99885341	99885743	+	0	NA	intron (N	MER1A|DNA	34567	NM_000646	178	Hs.904	NM_000028	ENSG00000	AGL	GDE	amylo-alp	protein-coding
chr1-1828	11.20695	-0.85153	0.579967	-1.46824	0.142038	0.565597	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	L3|LINE|C	-25996	NR_148933	647070	Hs.191518	NR_148933		LOC647070	-	uncharact	ncRNA
chr9-1014	13.4202	-0.70482	0.481289	-1.46445	0.143072	0.566268	chr9	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	6378	NM_001278	7743	Hs.50123	NM_003452	ENSG00000	ZNF189	-	zinc fing	protein-coding
chr1-1536	11.19236	-0.85016	0.580722	-1.46398	0.143201	0.566268	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	5958	NM_004515	3608	Hs.75117	NM_004515	ENSG00000	ILF2	NF45|PRO3	interleuk	protein-coding
chr1-1552	11.19236	-0.85016	0.580722	-1.46398	0.143201	0.566268	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-5216	NM_052837	10067	Hs.200600	NM_005698	ENSG00000	SCAMP3	C1orf3	secretory	protein-coding
chr19-120	11.19236	-0.85016	0.580722	-1.46398	0.143201	0.566268	chr19	12011844	12023535	+	0	NA	intron (N	AluJb|SIN	18052	NM_001080	163059	Hs.667776	NM_152602	ENSG00000	ZNF433	-	zinc fing	protein-coding
chr3-1843	11.19236	-0.85016	0.580722	-1.46398	0.143201	0.566268	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	1323	NR_003055	692107		NR_003055	ENSG00000	SNORD66	HBII-142	small nuc	snoRNA
chr14-884	8.518017	-1.11778	0.763609	-1.46381	0.143246	0.566268	chr14	88431260	88431477	+	0	NA	intron (N	L1MA5A|LI	45711	NM_018418	55812	Hs.525518	NM_018418	ENSG00000	SPATA7	HEL-S-296	spermatog	protein-coding
chr14-697	11.21933	-0.84983	0.580584	-1.46376	0.14326	0.566268	chr14	69767981	69775731	+	0	NA	3’ UTR (N	3’ UTR (N	-4143	NR_029378	1E+08	Hs.729250	NR_029378		LOC100289	-	uncharact	ncRNA
chr19-584	13.43258	-0.70383	0.481122	-1.46289	0.143497	0.56661	chr19	58430472	58439382	+	0	NA	exon (NM_	exon (NM_	5226	NM_003433	7691	Hs.156169	NM_003433	ENSG00000	ZNF132	pHZ-12	zinc fing	protein-coding
chr12-492	11.20474	-0.84845	0.581344	-1.45947	0.144436	0.569721	chr12	49269081	49274112	+	0	NA	intron (N	MIRb|SINE	6514	NM_032704	84790	Hs.652390	NM_032704	ENSG00000	TUBA1C	TUBA6|bcm	tubulin a	protein-coding
chr16-295	15.64362	-0.60004	0.413325	-1.45174	0.146574	0.570268	chr16	29505378	29505750	+	0	NA	exon (NM_	exon (NM_	310	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr1-1750	10.72109	-0.87722	0.606775	-1.44571	0.148259	0.570268	chr1	1.75E+08	1.75E+08	+	0	NA	non-codin	non-codin	10039	NM_022100	63931	Hs.654858	NM_022100	ENSG00000	MRPS14	COXPD38|M	mitochond	protein-coding
chr1-2244	10.72109	-0.87722	0.606775	-1.44571	0.148259	0.570268	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	intron (N	4984	NM_025160	80232	Hs.497873	NM_025160	ENSG00000	WDR26	CDW2|GID7	WD repeat	protein-coding
chr19-124	10.72109	-0.87722	0.606775	-1.44571	0.148259	0.570268	chr19	12463102	12468080	+	0	NA	exon (NM_	exon (NM_	19225	NM_152601	163051	Hs.631623	NM_152601	ENSG00000	ZNF709	-	zinc fing	protein-coding
chr1-1510	10.7065	-0.87572	0.606963	-1.44279	0.149081	0.570268	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	5793	NM_020239	56882	Hs.22065	NM_020239	ENSG00000	CDC42SE1	SCIP1|SPE	CDC42 sma	protein-coding
chr1-1511	10.7065	-0.87572	0.606963	-1.44279	0.149081	0.570268	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSp|SIN	-6268	NM_013353	29765	Hs.709681	NM_013353	ENSG00000	TMOD4	SK-TMOD	tropomodu	protein-coding
chr19-573	10.7065	-0.87572	0.606963	-1.44279	0.149081	0.570268	chr19	57370596	57379502	+	0	NA	intron (N	THE1D|LTR	11498	NM_001355	10597	Hs.446620	NM_001355	ENSG00000	TRAPPC2B	MIP-2A|SE	trafficki	protein-coding
chr20-264	46.44845	-0.46259	0.321558	-1.4386	0.150263	0.570268	chr20	26488627	26488843	+	0	NA	Intergeni	ALR/Alpha	-279502	NR_040095	284801	Hs.370699	NR_040095	ENSG00000	MIR663AHG	-	MIR663A h	ncRNA
chr12-122	10.22284	-0.90763	0.635332	-1.42859	0.153123	0.570268	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	-12051	NM_001351	65082	Hs.487883	NM_022916	ENSG00000	VPS33A	MPSPS	VPS33A co	protein-coding
chr19-494	10.22284	-0.90763	0.635332	-1.42859	0.153123	0.570268	chr19	49497243	49500258	+	0	NA	TTS (NR_0	TTS (NR_0	1031	NR_001285	84546		NR_001285	ENSG00000	SNORD35B	RNU35B|U3	small nuc	snoRNA
chr7-1212	10.22284	-0.90763	0.635332	-1.42859	0.153123	0.570268	chr7	1.21E+08	1.21E+08	+	0	NA	intron (N	L1PA7|LIN	-35072	NM_016087	51384	Hs.272375	NM_016087	ENSG00000	WNT16	-	Wnt famil	protein-coding
chr1-1508	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	-7406	NM_000396	1513	Hs.632466	NM_000396	ENSG00000	CTSK	CTSO2|CTS	cathepsin	protein-coding
chr1-1560	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	7891	NM_003145	6746	Hs.74564	NM_003145	ENSG00000	SSR2	HSD25|TLA	signal se	protein-coding
chr1-2308	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	2726	NM_001136	84886	Hs.520494	NM_032800	ENSG00000	C1orf198	-	chromosom	protein-coding
chr17-171	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr17	1711180	1714398	+	0	NA	non-codin	non-codin	1198	NR_029494	407004		NR_029494	ENSG00000	MIR22	MIRN22|hs	microRNA	ncRNA
chr17-166	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr17	16622575	16635820	+	0	NA	intron (N	AluSx1|SI	24653	NM_020787	57547	Hs.128078	NM_020787	ENSG00000	ZNF624	-	zinc fing	protein-coding

chr2-2373	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr2	2.37E+08	2.37E+08	+		0	NA	intron (N	intron (N	56858	NM_057165	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr20-589	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr20	58908372	58912472	+		0	NA	intron (N	intron (N	18259	NR_132272	2778	Hs.125898	NM_000516	ENSG00000	GNAS	AHO|C20or	GNAS comp	protein-coding
chr3-7573	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr3	75737578	75744829	+		0	NA	intron (N	intron (N	2923	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr3-1280	10.20825	-0.90599	0.634768	-1.42727	0.153502	0.570268	chr3	1.28E+08	1.28E+08	+		0	NA	exon (NM_	exon (NM_	-8659	NR_046645	1.01E+08	Hs.581603	NR_046645	ENSG00000	RUVBL1-AS	-	RUVBL1 an	ncRNA
chr19-250	10.23522	-0.90552	0.63629	-1.42312	0.1547	0.570268	chr19	25058553	25059514	+		0	NA	Intergeni	ALR/Alpha	-895586	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-1469	10.19366	-0.90434	0.635696	-1.4226	0.154851	0.570268	chr1	1.47E+08	1.47E+08	+		0	NA	intron (N	L1PA4|LIN	42213	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr11-578	10.19366	-0.90434	0.635696	-1.4226	0.154851	0.570268	chr11	57801447	57817908	+		0	NA	intron (N	intron (N	47875	NM_001206	1500	Hs.166011	NM_001331	ENSG00000	CTNND1	BCDS2|CAS	catenin d	protein-coding
chr5-9588	10.19366	-0.90434	0.635696	-1.4226	0.154851	0.570268	chr5	95886105	95901734	+		0	NA	intron (N	intron (N	41687	NR_026936	202299	Hs.8373	NM_175616	ENSG00000	LINC01554	C5orf27|F	long inte	ncRNA
chr1-2019	10.22063	-0.90388	0.635722	-1.42181	0.15508	0.570268	chr1	2.02E+08	2.02E+08	+		0	NA	intron (N	AluJo|SIN	8531	NM_006335	10440	Hs.20716	NM_006335	ENSG00000	TIMM17A	TIM17|TIM	transloca	protein-coding
chr19-441	10.22063	-0.90388	0.635722	-1.42181	0.15508	0.570268	chr19	44143241	44158782	+		0	NA	intron (N	AluSg|SIN	9457	NM_006630	10780	Hs.235992	NM_006630	ENSG00000	ZNF234	HZF4|ZNF2	zinc fing	protein-coding
chr21-633	9.785251	0.954811	0.675417	1.413661	0.157461	0.570268	chr21	6332954	6333847	+		0	NA	Intergeni	L1MB1|LIN	-66064	NM_001322	1.03E+08	Hs.743984	NM_001322047		LOC102724	-	uncharact	protein-coding
chr1-1545	9.709999	-0.93976	0.664981	-1.41321	0.157595	0.570268	chr1	1.55E+08	1.55E+08	+		0	NA	promoter-	promoter-	-790	NR_046668	1.01E+08		NR_046668	ENSG00000	UBE2Q1-AS	-	UBE2Q1 an	ncRNA
chr2-9253	9.709999	-0.93976	0.664981	-1.41321	0.157595	0.570268	chr2	92533517	92534424	+		0	NA	Intergeni	ALR/Alpha	592837	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-3061	9.724589	-0.94156	0.666513	-1.41266	0.157755	0.570268	chr6	30619549	30622441	+		0	NA	intron (N	intron (N	3155	NM_014046	28973	Hs.655329	NM_014046	ENSG00000	MRPS18B	C6orf14|H	mitochond	protein-coding
chr18-352	12.43387	-0.73541	0.520748	-1.41221	0.157888	0.570268	chr18	35242559	35255020	+		0	NA	3’ UTR (N	3’ UTR (N	7755	NM_001135	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr20-294	17.3732	-0.53058	0.375804	-1.41187	0.157989	0.570268	chr20	29457938	29459789	+		0	NA	TTS (NR_1	TTS (NR_1	10346	NR_134504	1.05E+08	Hs.702270	NR_134504		LOC105379	-	uncharact	ncRNA
chr1-1559	9.695408	-0.93797	0.665149	-1.41017	0.15849	0.570268	chr1	1.56E+08	1.56E+08	+		0	NA	intron (N	intron (N	-6816	NR_106796	1.02E+08		NR_106796	ENSG00000	MIR6738	hsa-mir-6	microRNA	ncRNA
chr1-2402	9.695408	-0.93797	0.665149	-1.41017	0.15849	0.570268	chr1	2.4E+08	2.4E+08	+		0	NA	intron (N	intron (N	166232	NM_001305	56776	Hs.24889	NM_020066	ENSG00000	FMN2	-	formin 2	protein-coding
chr12-578	9.695408	-0.93797	0.665149	-1.41017	0.15849	0.570268	chr12	57820511	57829592	+		0	NA	promoter-	promoter-	-359	NR_029847	407016		NR_029847	ENSG00000	MIR26A2	MIRN26A2|	microRNA	ncRNA
chr18-124	9.695408	-0.93797	0.665149	-1.41017	0.15849	0.570268	chr18	12426802	12430050	+		0	NA	intron (N	intron (N	-4348	NR_136514	1.05E+08	Hs.515283	NR_136514		LOC105371	-	uncharact	ncRNA
chr10-436	9.722381	-0.93743	0.664846	-1.40999	0.158543	0.570268	chr10	43614916	43617401	+		0	NA	intron (N	intron (N	9720	NM_145312	220992	Hs.147440	NM_145312	ENSG00000	ZNF485	-	zinc fing	protein-coding
chr14-710	10.19145	-0.90053	0.639125	-1.409	0.158834	0.570268	chr14	71064429	71065655	+		0	NA	intron (N	L1PA7|LIN	157583	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr1-1739	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr1	1.74E+08	1.74E+08	+		0	NA	intron (N	intron (N	-30247	NM_000488	462	Hs.75599	NM_000488	ENSG00000	SERPINC1	AT3|AT3D|	serpin fa	protein-coding
chr1-2036	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr1	2.04E+08	2.04E+08	+		0	NA	intron (N	intron (N	-29087	NR_003019	677843	Hs.676135	NR_003019	ENSG00000	SNORA77	ACA63|SNO	small nuc	snoRNA
chr10-933	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr10	93371767	93376127	+		0	NA	intron (N	L1PA6|LIN	108387	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr11-281	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr11	28173004	28174771	+		0	NA	intron (N	L1MC3|LIN	65499	NM_001297	196074	Hs.243326	NM_152636	ENSG00000	METTL15	METT5D1	methyltra	protein-coding
chr12-571	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr12	57152614	57171574	+		0	NA	intron (N	intron (N	-14475	NR_131938	1.06E+08	Hs.609540	NR_131938	ENSG00000	LRP1-AS	-	LRP1 anti	ncRNA
chr21-388	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr21	38807544	38823689	+		0	NA	intron (N	intron (N	9687	NM_005239	2114	Hs.644231	NM_005239	ENSG00000	ETS2	ETS2IT1	ETS proto	protein-coding
chr3-5219	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr3	52198972	52215594	+		0	NA	intron (N	AluY|SINE	9123	NM_000688	211	Hs.476308	NM_000688	ENSG00000	ALAS1	ALAS|ALAS	5’-aminol	protein-coding
chr3-1877	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr3	1.88E+08	1.88E+08	+		0	NA	intron (N	intron (N	6736	NM_001134	604	Hs.478588	NM_001706	ENSG00000	BCL6	BCL5|BCL6	BCL6 tran	protein-coding
chr5-3937	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr5	39370700	39394709	+		0	NA	exon (NM_	exon (NM_	-18209	NM_001737	735	Hs.654443	NM_001737	ENSG00000	C9	ARMD15|C9	complemen	protein-coding
chr9-1275	9.707791	-0.93564	0.665015	-1.40695	0.159443	0.570268	chr9	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	54470	NM_022833	64855	Hs.522401	NM_022833	ENSG00000	NIBAN2	C9orf88|F	niban apo	protein-coding
chr7-4083	9.21175	-0.97764	0.697793	-1.40104	0.161201	0.570268	chr7	40839918	40840392	+		0	NA	intron (N	MER5A|DNA	139784	NR_110831	1.02E+08	Hs.639767	NR_110831	ENSG00000	LINC01450	-	long inte	ncRNA
chr5-4883	9.224133	-0.97504	0.696155	-1.40061	0.16133	0.570268	chr5	48836112	48836587	+		0	NA	Intergeni	ALR/Alpha	1604939	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-2113	9.693201	-0.93383	0.666888	-1.40029	0.161428	0.570268	chr1	2.11E+08	2.11E+08	+		0	NA	TTS (NM_0	TTS (NM_0	-13286	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr14-228	9.19716	-0.97569	0.696972	-1.3999	0.161544	0.570268	chr14	22839411	22847356	+		0	NA	exon (NM_	exon (NM_	6798	NM_004995	4323	Hs.2399	NM_004995	ENSG00000	MMP14	MMP-14|MM	matrix me	protein-coding
chr1-2053	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr1	2.05E+08	2.05E+08	+		0	NA	intron (N	intron (N	14839	NM_030952	81788	Hs.497512	NM_030952	ENSG00000	NUAK2	SNARK	NUAK fami	protein-coding
chr13-414	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr13	41459394	41471770	+		0	NA	intron (N	MIR3|SINE	8032	NM_014059	28984	Hs.507866	NM_014059	ENSG00000	RGCC	C13orf15|	regulator	protein-coding
chr17-751	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr17	7511214	7514851	+		0	NA	exon (NM_	exon (NM_	28666	NM_000937	5430	Hs.270017	NM_000937		POLR2A	POLR2|POL	RNA polym	protein-coding
chr19-483	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr19	48381501	48389685	+		0	NA	intron (N	intron (N	5958	NM_006801	10945	Hs.515515	NM_006801	ENSG00000	KDELR1	ERD2|ERD2	KDEL endo	protein-coding
chr22-412	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr22	41244946	41285041	+		0	NA	intron (N	L2c|LINE|	-11943	NR_106949	1.02E+08		NR_106949	ENSG00000	MIR6889	hsa-mir-6	microRNA	ncRNA
chr5-1436	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr5	14364063	14398855	+		0	NA	intron (N	intron (N	-82524	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr7-1344	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr7	1.34E+08	1.34E+08	+		0	NA	intron (N	MIRb|SINE	12177	NM_001628	231	Hs.521212	NM_001628	ENSG00000	AKR1B1	ADR|ALDR1	aldo-keto	protein-coding
chr8-1022	9.209542	-0.97311	0.69534	-1.39947	0.161672	0.570268	chr8	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	28266	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr12-290	9.238723	-0.977	0.698901	-1.39791	0.162139	0.570268	chr12	2909387	2910920	+		0	NA	intron (N	AluYk4|SI	19262	NM_001160	7289	Hs.655333	NM_003324	ENSG00000	TULP3	TUBL3	TUB like	protein-coding
chr18-240	8.213045	-1.06337	0.760919	-1.39748	0.162268	0.570268	chr18	24097070	24097413	+		0	NA	intron (N	HSMAR2|DN	-16086	NM_001292	125488	Hs.128576	NM_153211	ENSG00000	TTC39C	C18orf17|	tetratric	protein-coding
chr1-6699	8.225428	-1.06025	0.758848	-1.39718	0.16236	0.570268	chr1	66998216	66999062	+		0	NA	TTS (NM_0	TTS (NM_0	55509	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-1680	8.225428	-1.06025	0.758848	-1.39718	0.16236	0.570268	chr1	1.68E+08	1.68E+08	+		0	NA	intron (N	L2|LINE|L	28363	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr12-220	8.198455	-1.06112	0.759745	-1.39667	0.162512	0.570268	chr12	22056629	22057208	+		0	NA	intron (N	intron (N	10700	NM_018686	55907	Hs.311346	NM_018686	ENSG00000	CMAS	CSS	cytidine	protein-coding
chr8-1189	8.198455	-1.06112	0.759745	-1.39667	0.162512	0.570268	chr8	1.19E+08	1.19E+08	+		0	NA	intron (N	intron (N	19231	NM_002546	4982	Hs.81791	NM_002546	ENSG00000	TNFRSF11B	OCIF|OPG|	TNF recep	protein-coding
chr1-1459	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr1	1.46E+08	1.46E+08	+		0	NA	intron (N	L2c|LINE|	2913	NR_073493	8799	Hs.714608	NM_003846	ENSG00000	PEX11B	PEX11-BET	peroxisom	protein-coding
chr11-111	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr11	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	43798	NM_001177	5519	Hs.269128	NM_002716	ENSG00000	PPP2R1B	PP2A-Abet	protein p	protein-coding
chr14-962	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr14	96236258	96242890	+		0	NA	intron (N	intron (N	-16636	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1F	bradykini	protein-coding
chr15-484	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr15	48429322	48438401	+		0	NA	intron (N	intron (N	101664	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr15-648	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr15	64857336	64862131	+		0	NA	intron (N	intron (N	17818	NM_025201	80301	Hs.709337	NM_025201	ENSG00000	PLEKHO2	PLEKHQ1|F	pleckstri	protein-coding
chr15-671	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr15	67179219	67182803	+		0	NA	intron (N	intron (N	14856	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr17-156	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr17	15624411	15631790	+		0	NA	3’ UTR (N	3’ UTR (N	-8396	NM_006382	374286	Hs.548021	NM_006382	ENSG00000	CDRT1	C17ORF1|C	CMT1A dup	protein-coding
chr20-381	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr20	38158190	38161842	+		0	NA	intron (N	intron (N	5254	NM_198951	7052	Hs.517033	NM_004613	ENSG00000	TGM2	TG(C)|TGC	transglut	protein-coding
chr3-5240	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr3	52403584	52408308	+		0	NA	intron (N	intron (N	4062	NM_004656	8314	Hs.106674	NM_004656	ENSG00000	BAP1	HUCEP-13|	BRCA1 ass	protein-coding
chr3-5312	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr3	53121748	53125800	+		0	NA	exon (NM_	exon (NM_	6661	NM_052859	91869	Hs.631910	NM_052859	ENSG00000	RFT1	CDG1N	RFT1 homo	protein-coding
chr3-1872	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr3	1.87E+08	1.87E+08	+		0	NA	intron (N	MLT1H-int	-21657	NR_135551	1.02E+08		NR_135551	ENSG00000	LOC101929	-	uncharact	ncRNA
chr4-1381	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr4	1.38E+08	1.38E+08	+		0	NA	intron (N	intron (N	-49569	NR_037866	641365	Hs.435630	NR_037866	ENSG00000	LINC00616	-	long inte	ncRNA
chr5-1670	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr5	16709056	16711688	+		0	NA	intron (N	intron (N	-93314	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr7-2646	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr7	2646732	2648629	+		0	NA	intron (N	intron (N	15694	NM_025250	80727	Hs.440899	NM_025250	ENSG00000	TTYH3	-	tweety fa	protein-coding
chr7-1308	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr7	1.31E+08	1.31E+08	+		0	NA	intron (N	intron (N	14018	NR_110472	378805	Hs.150556	NM_001085	ENSG00000	LINC-PINT	LincRNA-F	long inte	ncRNA
chr8-3067	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr8	30678704	30685430	+		0	NA	intron (N	intron (N	-23831	NM_002095	2961	Hs.77100	NM_002095	ENSG00000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr8-1411	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr8	1.41E+08	1.41E+08	+		0	NA	intron (N	AluSx1|SI	29405	NM_001362	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-1115	8.210838	-1.05801	0.757684	-1.39637	0.162602	0.570268	chr9	1.12E+08	1.12E+08	+		0	NA	intron (N	AluJr|SIN	13161	NM_001007	158399	Hs.584864	NM_133464	ENSG00000	ZNF483	ZKSCAN16|	zinc fing	protein-coding
chr15-636	8.711294	-1.01537	0.727303	-1.39608	0.162691	0.570268	chr15	63672333	63672891	+		0	NA	exon (NM_	exon (NM_	-71785	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr7-8022	8.711294	-1.01537	0.727303	-1.39608	0.162691	0.570268	chr7	80222408	80222939	+		0	NA	3’ UTR (N	3’ UTR (N	86889	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G protein	protein-coding
chr1-2310	9.199367	-0.98032	0.702614	-1.39525	0.162941	0.570268	chr1	2.31E+08	2.31E+08	+		0	NA	promoter-	promoter-	61	NR_031593	1E+08		NR_031593	ENSG00000	MIR1182	MIRN1182|	microRNA	ncRNA
chr1-1205	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr1	1.21E+08	1.21E+08	+		0	NA	intron (N	AluSg|SIN	-99500	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1556	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr1	1.56E+08	1.56E+08	+		0	NA	exon (NM_	exon (NM_	3488	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-2019	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr1	2.02E+08	2.02E+08	+		0	NA	intron (N	intron (N	-6214	NR_106798	1.02E+08		NR_106798	ENSG00000	MIR6740	hsa-mir-6	microRNA	ncRNA
chr11-351	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr11	35139548	35142456	+		0	NA	intron (N	AluSx|SIN	1831	NM_001001	960	Hs.502328	NM_000610	ENSG00000	CD44	CDW44|CSF	CD44 mole	protein-coding
chr12-563	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr12	56341053	56358050	+		0	NA	intron (N	intron (N	10556	NM_198332	6773	Hs.530595	NM_005419	ENSG00000	STAT2	IMD44|ISG	signal tr	protein-coding
chr16-697	9.194952	-0.97117	0.69643	-1.3945	0.163166	0.570268	chr16	69707693	69718425	+		0	NA	exon (NM_	exon (NM_	-4384	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr18-362	9.184777	-0.97834	0.701775	-1.3941	0.163288	0.570268	chr18	36248842	36249291	+		0	NA	intron (N	intron (N	-48647	NM_001281	80206	Hs.436636	NM_025135	ENSG00000	FHOD3	FHOS2|For	formin ho	protein-coding
chr6-1085	9.236516	-0.97246	0.697576	-1.39406	0.1633	0.570268	chr6	1.09E+08	1.09E+08	+		0	NA	intron (N	CpG-23918	969	NM_001455	2309	Hs.220950	NM_001455	ENSG00000	FOXO3	AF6q21|FK	forkhead	protein-coding
chr10-119	9.666228	-0.93435	0.67066	-1.39319	0.163564	0.570268	chr10	1.19E+08	1.19E+08	+		0	NA	intron (N	AluSz6|SI	8751	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr1-2862	8.696703	-1.01329	0.727384	-1.39306	0.163603	0.570268	chr1	28621600	28621936	+		0	NA	intron (N	intron (N	21299	NM_001135	6883	Hs.530251	NM_005644	ENSG00000	TAF12	TAF2J|TAF	TATA-box	protein-coding
chr1-1538	8.696703	-1.01329	0.727384	-1.39306	0.163603	0.570268	chr1	1.54E+08	1.54E+08	+		0	NA	intron (N	AluJb|SIN	33078	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr2-3881	8.696703	-1.01329	0.727384	-1.39306	0.163603	0.570268	chr2	38810624	38811603	+		0	NA	intron (N	intron (N	32903	NM_024775	79833	Hs.143818	NM_024775	ENSG00000	GEMIN6	-	gem nucle	protein-coding
chr13-238	9.221925	-0.97053	0.696758	-1.39292	0.163645	0.570268	chr13	23883301	23885901	+		0	NA	intron (N	MIR|SINE|	-4267	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr13-514	9.221925	-0.97053	0.696758	-1.39292	0.163645	0.570268	chr13	51449779	51450842	+		0	NA	3’ UTR (N	3’ UTR (N	2726	NM_001039	26512	Hs.439440	NM_012141	ENSG00000	INTS6	DBI-1|DDX	integrato	protein-coding
chr1-1538	8.723677	-1.01254	0.727238	-1.39231	0.163829	0.570268	chr1	1.54E+08	1.54E+08	+		0	NA	intron (N	intron (N	17328	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglo	pseudo
chr1-1567	8.723677	-1.01254	0.727238	-1.39231	0.163829	0.570268	chr1	1.57E+08	1.57E+08	+		0	NA	non-codin	non-codin	-2347	NM_024540	79590	Hs.418233	NM_024540	ENSG00000	MRPL24	L24mt|MRP	mitochond	protein-coding
chr15-485	8.723677	-1.01254	0.727238	-1.39231	0.163829	0.570268	chr15	48524542	48527037	+		0	NA	intron (N	intron (N	119999	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr22-386	8.723677	-1.01254	0.727238	-1.39231	0.163829	0.570268	chr22	38670844	38672120	+		0	NA	intron (N	L2c|LINE|	-10475	NM_020243	56993	Hs.595072	NM_020243	ENSG00000	TOMM22	1C9-2|MST	transloca	protein-coding
chr12-496	8.183864	-1.05888	0.760934	-1.39155	0.164058	0.570268	chr12	49653606	49654262	+		0	NA	intron (N	intron (N	23390	NM_001363	25766	Hs.706827	NM_012272	ENSG00000	PRPF40B	HYPC	pre-mRNA	protein-coding
chr16-297	8.183864	-1.05888	0.760934	-1.39155	0.164058	0.570268	chr16	29798486	29798714	+		0	NA	exon (NM_	exon (NM_	-7524	NM_001276	4150	Hs.23650	NM_002383	ENSG00000	MAZ	PUR1|Pur-	MYC assoc	protein-coding
chr9-9545	8.183864	-1.05888	0.760934	-1.39155	0.164058	0.570268	chr9	95455633	95456847	+		0	NA	intron (N	intron (N	-7369	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr6-1327	8.738267	-1.01463	0.72929	-1.39126	0.164147	0.570268	chr6	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	-15622	NM_078488	8875	Hs.293130	NM_004665	ENSG00000	VNN2	FOAP-4|GF	vanin 2	protein-coding
chr1-1499	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr1	1.5E+08	1.5E+08	+		0	NA	intron (N	intron (N	-2213	NM_005850	10262	Hs.516160	NM_005850	ENSG00000	SF3B4	AFD1|Hsh4	splicing	protein-coding
chr1-2360	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr1	2.36E+08	2.36E+08	+		0	NA	intron (N	intron (N	40745	NM_002508	4811	Hs.356624	NM_002508	ENSG00000	NID1	NID	nidogen 1	protein-coding
chr10-399	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr10	39936636	39937584	+		0	NA	Intergeni	ALR/Alpha	1240514	NR_045000	399746	Hs.742607	NR_045000		ACTR3BP5	FKSG74	ACTR3B ps	pseudo
chr15-434	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr15	43403219	43410401	+		0	NA	3’ UTR (N	3’ UTR (N	35709	NM_014444	27229	Hs.584887	NM_014444	ENSG00000	TUBGCP4	76P|GCP-4	tubulin g	protein-coding
chr16-161	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr16	16130871	16147211	+		0	NA	intron (N	L2a|LINE|	84430	NM_001171	368	Hs.442182	NM_001171	ENSG00000	ABCC6	ABC34|ARA	ATP bindi	protein-coding
chr19-124	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr19	12458423	12458962	+		0	NA	Intergeni	AluSc|SIN	-17671	NM_005815	10224	Hs.636894	NM_005815	ENSG00000	ZNF443	ZK1	zinc fing	protein-coding
chr6-1365	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr6	1.37E+08	1.37E+08	+		0	NA	intron (N	THE1B|LTR	-38038	NR_125858	1.02E+08	Hs.666518	NR_125858		LOC101928	-	uncharact	ncRNA
chr7-1079	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr7	1.08E+08	1.08E+08	+		0	NA	intron (N	intron (N	22738	NM_002291	3912	Hs.650585	NM_002291	ENSG00000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr8-9197	8.196247	-1.05577	0.758867	-1.39125	0.16415	0.570268	chr8	91970184	91970618	+		0	NA	intron (N	intron (N	47279	NM_175636	862	Hs.368431	NM_004349	ENSG00000	RUNX1T1	AML1-MTG8	RUNX1 par	protein-coding
chr1-1247	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr1	1.25E+08	1.25E+08	+		0	NA	Intergeni	ALR/Alpha	3264670	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-2308	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr1	2.31E+08	2.31E+08	+		0	NA	intron (N	L1MB3|LIN	13968	NM_001136	84886	Hs.520494	NM_032800	ENSG00000	C1orf198	-	chromosom	protein-coding
chr17-426	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr17	42611332	42616925	+		0	NA	intron (N	intron (N	4445	NM_001070	7283	Hs.279669	NM_001070	ENSG00000	TUBG1	CDCBM4|GC	tubulin g	protein-coding
chr19-638	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr19	6384949	6391517	+		0	NA	intron (N	intron (N	1470	NR_106945	1.02E+08		NR_106945	ENSG00000	MIR6885	hsa-mir-6	microRNA	ncRNA
chr2-1602	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr2	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	-3967	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG00000	LINC02478	-	long inte	ncRNA
chr20-556	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr20	5560060	5581177	+		0	NA	intron (N	intron (N	40388	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr4-1222	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr4	1.22E+08	1.22E+08	+		0	NA	intron (N	intron (N	85700	NM_015312	84162	Hs.408142	NM_015312	ENSG00000	KIAA1109	ALKKUCS|F	KIAA1109	protein-coding
chr5-1379	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr5	13790145	13792093	+		0	NA	intron (N	intron (N	153361	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr5-1445	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr5	14457661	14486234	+		0	NA	intron (N	L2b|LINE|	7964	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr7-1056	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr7	1.06E+08	1.06E+08	+		0	NA	intron (N	L1MB3|LIN	-44915	NM_001355	1E+08	Hs.719432	NM_001355	ENSG00000	EFCAB10	-	EF-hand c	protein-coding
chr8-4316	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr8	43161093	43166760	+		0	NA	intron (N	intron (N	23462	NM_001363	138050	Hs.600384	NM_152419	ENSG00000	HGSNAT	HGNAT|MPS	heparan-a	protein-coding
chr9-3568	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr9	35681819	35688855	+		0	NA	exon (NM_	exon (NM_	4588	NM_001301	7169	Hs.300772	NM_003289	ENSG00000	TPM2	AMCD1|DA1	tropomyos	protein-coding
chr9-6691	8.709086	-1.01046	0.727321	-1.38928	0.164746	0.570268	chr9	66911826	66920059	+		0	NA	intron (N	AluSg|SIN	12581	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr14-584	9.170187	-0.97639	0.702892	-1.38911	0.164799	0.570268	chr14	58416726	58417226	+		0	NA	intron (N	THE1B|LTR	10266	NM_001304	26520	Hs.440525	NM_012460	ENSG00000	TIMM9	TIM9|TIM9	transloca	protein-coding
chr1-1201	9.207335	-0.96857	0.697857	-1.38793	0.16516	0.570268	chr1	1.2E+08	1.2E+08	+		0	NA	intron (N	intron (N	944	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr1-1787	9.207335	-0.96857	0.697857	-1.38793	0.16516	0.570268	chr1	1.79E+08	1.79E+08	+		0	NA	intron (N	L1PA2|LIN	53286	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-1559	11.92104	-0.75336	0.543176	-1.38696	0.165453	0.570268	chr1	1.56E+08	1.56E+08	+		0	NA	intron (N	AluYa5|SI	2964	NR_003005	677771	Hs.678903	NR_003005	ENSG00000	SCARNA4	ACA26	small Ca	ncRNA
chr1-2312	11.92104	-0.75336	0.543176	-1.38696	0.165453	0.570268	chr1	2.31E+08	2.31E+08	+		0	NA	intron (N	intron (N	19666	NM_014236	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr5-1434	11.92104	-0.75336	0.543176	-1.38696	0.165453	0.570268	chr5	14343624	14347423	+		0	NA	intron (N	intron (N	-118460	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr12-491	11.9626	-0.75433	0.544158	-1.38624	0.165675	0.570268	chr12	49126567	49129942	+		0	NA	exon (NM_	exon (NM_	3141	NM_006082	10376	Hs.524390	NM_006082	ENSG00000	TUBA1B	K-ALPHA-1	tubulin a	protein-coding
chr1-1510	9.167979	-0.97181	0.701115	-1.38609	0.165721	0.570268	chr1	1.51E+08	1.51E+08	+		0	NA	exon (NM_	exon (NM_	10156	NM_001303	58497	Hs.78524	NM_021222	ENSG00000	PRUNE1	DRES-17|I	prune exo	protein-coding

chr11-111	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr11	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	19505	NM_001258	143903	Hs.503831	NM_178834	ENSG00000	LAYN	-	layilin	protein-coding
chr17-738	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr17	7389387	7393029	+	0	NA	intron (N	intron (N	3317	NM_001369	57048	Hs.534591	NM_020360	ENSG00000	PLSCR3	-	phospholi	protein-coding
chr6-1113	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr6	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	-85063	NR_034110	643749	Hs.486228	NR_034108	ENSG00000	TRAF3IP2-	C6UAS|C6c	TRAF3IP2	ncRNA
chr6-1572	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr6	1.57E+08	1.57E+08	+	0	NA	exon (NM_	exon (NM_	122994	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6c	transmemb	protein-coding
chr7-6470	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr7	64706147	64707135	+	0	NA	exon (NM_	exon (NM_	27577	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr8-3275	8.20863	-1.05264	0.760922	-1.38338	0.166549	0.570268	chr8	32759252	32761593	+	0	NA	3’ UTR (N	3’ UTR (N	38587	NM_001322	3084	Hs.453951	NM_004495	ENSG00000	NRG1	ARIA|GGF|	neureguli	protein-coding
chr1-2064	8.694496	-1.00835	0.729543	-1.38216	0.166922	0.571023	chr1	2.06E+08	2.06E+08	+	0	NA	promoter-	promoter-	79	NR_106919	1.02E+08		NR_106919	ENSG00000	MIR6769B	hsa-mir-6	microRNA	ncRNA
chr2-1890	9.192744	-0.96658	0.70091	-1.37903	0.167885	0.573718	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	15613	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr7-1079	8.721469	-1.00757	0.730857	-1.37861	0.168014	0.573718	chr7	1.08E+08	1.08E+08	+	0	NA	intron (N	AluSc8|SI	5735	NM_002291	3912	Hs.650585	NM_002291	ENSG00000	LAMB1	CLM|LIS5	laminin s	protein-coding
chr16-183	9.639254	-0.93487	0.679094	-1.37665	0.168622	0.575271	chr16	18338489	18338804	+	0	NA	intron (N	Tigger6a|	-2786	NM_001282	1.01E+08	Hs.636569	NM_001282	ENSG00000	NPIPA8	LCR16a9|N	nuclear p	protein-coding
chr12-112	8.667523	-1.00907	0.734038	-1.37468	0.16923	0.575385	chr12	1.12E+08	1.12E+08	+	0	NA	exon (NM_	exon (NM_	-21445	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr4-1139	8.667523	-1.00907	0.734038	-1.37468	0.16923	0.575385	chr4	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	76628	NM_024590	79642	Hs.22895	NM_024590	ENSG00000	ARSJ	ASJ	arylsulfa	protein-coding
chr1-6666	8.19404	-1.05033	0.764529	-1.37383	0.169495	0.575385	chr1	66666577	66667549	+	0	NA	intron (N	intron (N	38623	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr2-9589	8.19404	-1.05033	0.764529	-1.37383	0.169495	0.575385	chr2	95893183	95893477	+	0	NA	intron (N	intron (N	-66349	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr7-1286	8.19404	-1.05033	0.764529	-1.37383	0.169495	0.575385	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	Intergeni	-22247	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr3-1224	8.250193	-1.05393	0.767288	-1.37358	0.169573	0.575385	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	AluYg6|SI	22941	NM_002264	3836	Hs.161008	NM_002264	ENSG00000	KPNA1	IPOA5|NPI	karyopher	protein-coding
chr11-108	8.706879	-1.00542	0.733112	-1.37145	0.170236	0.576568	chr11	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	102027	NM_152587	160140	Hs.653180	NM_152587	ENSG00000	C11orf65	-	chromosom	protein-coding
chr4-1412	8.706879	-1.00542	0.733112	-1.37145	0.170236	0.576568	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	12509	NM_014487	27309	Hs.120766	NM_014487	ENSG00000	ZNF330	HSA6591|N	zinc fing	protein-coding
chr5-4329	8.679905	-1.00618	0.733982	-1.37085	0.17042	0.576568	chr5	43293779	43294120	+	0	NA	intron (N	AluSx|SIN	19232	NM_001324	3157	Hs.397729	NM_002130	ENSG00000	HMGCS1	HMGCS	3-hydroxy	protein-coding
chr11-519	16.34532	-0.54275	0.396027	-1.37049	0.170534	0.576568	chr11	51963373	51963612	+	0	NA	Intergeni	ALR/Alpha	1554345	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-2312	8.221013	-1.04938	0.767321	-1.36759	0.171441	0.578595	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	MSTB1|LTR	14754	NM_152379	128061	Hs.743464	NM_152379	ENSG00000	C1orf131	-	chromosom	protein-coding
chr5-6829	8.221013	-1.04938	0.767321	-1.36759	0.171441	0.578595	chr5	68293328	68293708	+	0	NA	intron (N	intron (N	941	NM_001242	5295	Hs.132225	NM_181504	ENSG00000	PIK3R1	AGM7|GRB1	phosphoir	protein-coding
chr22-223	8.692288	-1.00321	0.737616	-1.36007	0.173809	0.585389	chr22	22306489	22307065	+	0	NA	intron (N	intron (N	8679	NR_027293	96610	Hs.449601	NM_080926		BMS1P20	IGL|IGLV|	BMS1 pseu	pseudo
chr3-1839	8.179449	-1.04793	0.770688	-1.35974	0.173912	0.585389	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-18660	NR_046570	1.01E+08	Hs.570696	NR_046570	ENSG00000	ABCC5-AS1	-	ABCC5 ant	ncRNA
chr20-277	13.62144	-0.64303	0.472914	-1.35971	0.173921	0.585389	chr20	27758540	27758824	+	0	NA	Intergeni	ALR/Alpha	843983	NR_132315	1E+08	Hs.529357	NR_132315	ENSG00000	FRG1CP	-	FSHD regi	pseudo
chr3-1809	9.190537	-0.9617	0.710761	-1.35306	0.176036	0.591978	chr3	1.81E+08	1.81E+08	+	0	NA	intron (N	AluSp|SIN	28133	NM_001363	8087	Hs.478407	NM_005087	ENSG00000	FXR1	FXR1P	FMR1 auto	protein-coding
chr9-1282	8.677698	-1.00088	0.744529	-1.34432	0.178846	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	LTR13A|LT	3653	NM_001318	375757	Hs.259594	NM_001040	ENSG00000	SWI5	C9orf119|	SWI5 homo	protein-coding
chr4-1832	8.191832	-1.04453	0.77724	-1.3439	0.17898	0.59423	chr4	1.83E+08	1.83E+08	+	0	NA	exon (NM_	exon (NM_	-20773	NR_126473	1.02E+08	Hs.570713	NR_126473	ENSG00000	WWC2-AS1	-	WWC2 anti	ncRNA
chr17-392	10.93692	-0.79566	0.592662	-1.34252	0.179426	0.59423	chr17	39200746	39204971	+	0	NA	intron (N	MIR|SINE|	2535	NM_001330	6143	Hs.381061	NM_000981	ENSG00000	RPL19	L19	ribosomal	protein-coding
chr1-2434	8.164859	-1.04542	0.779643	-1.34089	0.179956	0.59423	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	80665	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr1-2257	10.92233	-0.79421	0.592854	-1.33964	0.180362	0.59423	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSg|SIN	10663	NM_001130	6726	Hs.511425	NM_003133	ENSG00000	SRP9	ALURBP	signal re	protein-coding
chr18-494	10.92233	-0.79421	0.592854	-1.33964	0.180362	0.59423	chr18	49489068	49492177	+	0	NA	TTS (NR_0	TTS (NR_0	307	NM_001369	6139	Hs.293653	NM_000985	ENSG00000	RPL17	L17|PD-1|	ribosomal	protein-coding
chr19-117	10.92233	-0.79421	0.592854	-1.33964	0.180362	0.59423	chr19	11770240	11785813	+	0	NA	intron (N	Tigger2a|	11026	NM_152355	126068	Hs.675132	NM_152355	ENSG00000	ZNF441	-	zinc fing	protein-coding
chr8-1308	10.92233	-0.79421	0.592854	-1.33964	0.180362	0.59423	chr8	13082422	13101003	+	0	NA	intron (N	intron (N	24532	NM_001164	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|H	DLC1 Rho	protein-coding
chr5-6991	13.17714	-0.65627	0.490712	-1.33738	0.181099	0.59423	chr5	69913813	69916129	+	0	NA	intron (N	AluJo|SIN	-10951	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr1-2464	10.93471	-0.79242	0.593544	-1.33507	0.181852	0.59423	chr1	24645332	24659660	+	0	NA	non-codin	non-codin	8917	NM_001366	10250	Hs.18192	NM_005839	ENSG00000	SRRM1	160-KD|PC	serine ar	protein-coding
chr1-1448	10.93471	-0.79242	0.593544	-1.33507	0.181852	0.59423	chr1	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	174388	NR_027354	645166	Hs.744183	NR_027354		LSP1P5	-	LSP1 pseu	pseudo
chr2-9282	10.93471	-0.79242	0.593544	-1.33507	0.181852	0.59423	chr2	92823857	92824740	+	0	NA	Intergeni	ALR/Alpha	883165	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr6-3659	10.93471	-0.79242	0.593544	-1.33507	0.181852	0.59423	chr6	36595116	36610684	+	0	NA	non-codin	non-codin	8538	NM_003017	6428	Hs.405144	NM_003017	ENSG00000	SRSF3	SFRS3|SRp	serine ar	protein-coding
chr16-322	13.14796	-0.65442	0.490469	-1.33427	0.182116	0.59423	chr16	3221576	3233748	+	0	NA	intron (N	THE1D|LTR	7496	NM_001145	7752	Hs.632222	NM_003454	ENSG00000	ZNF200	-	zinc fing	protein-coding
chr14-711	10.89315	-0.79125	0.597059	-1.32524	0.185091	0.59423	chr14	71102312	71102533	+	0	NA	intron (N	AluJb|SIN	194963	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr1-1239	10.42408	-0.8195	0.620232	-1.32127	0.18641	0.59423	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2451193	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr9-1277	10.42408	-0.8195	0.620232	-1.32127	0.18641	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3953	NM_001261	1025	Hs.150423	NM_001261	ENSG00000	CDK9	C-2k|CDC2	cyclin de	protein-coding
chr5-4836	10.45106	-0.81911	0.62062	-1.31983	0.186892	0.59423	chr5	48364399	48365273	+	0	NA	Intergeni	ALR/Alpha	2076452	NM_198449	133418	Hs.561411	NM_198449	ENSG00000	EMB	GP70	embigin	protein-coding
chr1-1541	10.43647	-0.81752	0.620088	-1.31839	0.187372	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-10195	NM_001159	91181	Hs.67639	NM_207308	ENSG00000	NUP210L	-	nucleopor	protein-coding
chr1-1571	10.43647	-0.81752	0.620088	-1.31839	0.187372	0.59423	chr1	1.57E+08	1.57E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4574	NR_001560	360155	Hs.491808	NR_001560	ENSG00000	CYCSP52	HC6|HCP2	CYCS pseu	pseudo
chr12-566	10.43647	-0.81752	0.620088	-1.31839	0.187372	0.59423	chr12	56637816	56645633	+	0	NA	intron (N	AluSc8|SI	2030	NR_003046	692090		NR_003046		SNORD59B	U59B	small nuc	snoRNA
chr12-112	10.43647	-0.81752	0.620088	-1.31839	0.187372	0.59423	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	3138	NM_001320	6128	Hs.528668	NM_000970	ENSG00000	RPL6	L6|SHUJUN	ribosomal	protein-coding
chr1-1564	10.42187	-0.81592	0.620997	-1.31389	0.188883	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	10760	NM_001271	4209	Hs.314327	NM_005920	ENSG00000	MEF2D	-	myocyte e	protein-coding
chr1-2018	10.42187	-0.81592	0.620997	-1.31389	0.188883	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-7253	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr1-2243	10.42187	-0.81592	0.620997	-1.31389	0.188883	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MB8|LIN	7681	NR_039896	1.01E+08		NR_039896	ENSG00000	MIR4742	mir-4742	microRNA	ncRNA
chr10-916	10.3949	-0.81629	0.623518	-1.30917	0.190477	0.59423	chr10	91628713	91632250	+	0	NA	exon (NM_	exon (NM_	2590	NM_005398	5507	Hs.303090	NM_005398	ENSG00000	PPP1R3C	PPP1R5|PT	protein p	protein-coding
chr19-251	17.6138	-0.48571	0.371255	-1.30829	0.190776	0.59423	chr19	25108820	25109029	+	0	NA	Intergeni	ALR/Alpha	-945477	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr1-2335	14.86075	-0.56514	0.433037	-1.30506	0.191873	0.59423	chr1	23357501	23367676	+	0	NA	exon (NM_	exon (NM_	5798	NM_030634	80818	Hs.293798	NM_030634	ENSG00000	ZNF436	ZNF|Zfp46	zinc fing	protein-coding
chr18-489	9.940424	-0.84941	0.651642	-1.30349	0.192409	0.59423	chr18	48920327	48921866	+	0	NA	3’ UTR (N	3’ UTR (N	21711	NM_001190	4092	Hs.465087	NM_005904	ENSG00000	SMAD7	CRCS3|MAD	SMAD fami	protein-coding
chr19-374	9.938216	-0.84544	0.648855	-1.30297	0.192584	0.59423	chr19	37470362	37486930	+	0	NA	intron (N	L1MEd|LIN	9075	NM_001321	148268	Hs.126962	NM_144694	ENSG00000	ZNF570	-	zinc fing	protein-coding
chr1-1228	9.911243	-0.8459	0.650341	-1.3007	0.19336	0.59423	chr1	1.23E+08	1.23E+08	+	0	NA	Intergeni	ALR/Alpha	1301923	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr1-1512	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSq2|SI	15534	NM_020832	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr1-1563	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	-15855	NM_144627	128229	Hs.534539	NM_144627	ENSG00000	TSACC	C1orf182|	TSSK6 act	protein-coding
chr1-1739	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSc8|SI	18879	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-1863	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	AluY|SINE	25731	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr11-627	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr11	62710976	62724348	+	0	NA	intron (N	AluSx1|SI	-8043	NR_037948	26580	Hs.533709	NM_032667	ENSG00000	BSCL2	GNG3LG|HM	BSCL2 lip	protein-coding
chr14-354	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr14	35400299	35404716	+	0	NA	exon (NM_	exon (NM_	2247	NM_020529	4792	Hs.81328	NM_020529	ENSG00000	NFKBIA	EDAID2|IK	NFKB inhi	protein-coding
chr19-941	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr19	9411460	9425407	+	0	NA	intron (N	intron (N	17140	NM_001370	10781	Hs.656185	NM_006631	ENSG00000	ZNF266	HZF1	zinc fing	protein-coding
chr19-252	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr19	25299806	25300554	+	0	NA	Intergeni	ALR/Alpha	-1136733	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-9248	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr2	92489951	92492151	+	0	NA	Intergeni	ALR/Alpha	549918	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr20-106	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr20	10638354	10649648	+	0	NA	intron (N	MER5B|DNA	5694	NR_106930	1.02E+08		NR_106930	ENSG00000	MIR6870	hsa-mir-6	microRNA	ncRNA
chr3-1343	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	8721	NR_106885	1.02E+08		NR_106885	ENSG00000	MIR6827	hsa-mir-6	microRNA	ncRNA
chr4-5059	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr4	505911	507755	+	0	NA	intron (N	intron (N	7623	NM_001345	54872	Hs.7099	NM_017733	ENSG00000	PIGG	GPI7|LAS2	phosphati	protein-coding
chr9-3569	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr9	35695685	35726476	+	0	NA	promoter-	promoter-	-339	NR_106911	1.02E+08		NR_106911	ENSG00000	MIR6852	hsa-mir-6	microRNA	ncRNA
chr9-1213	9.923626	-0.84371	0.649033	-1.29994	0.193621	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	13274	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr1-2312	9.950599	-0.84324	0.649899	-1.2975	0.194459	0.59423	chr1	2.31E+08	2.31E+08	+	0	NA	intron (N	AluY|SINE	3254	NM_152379	128061	Hs.743464	NM_152379	ENSG00000	C1orf131	-	chromosom	protein-coding
chr11-123	9.936009	-0.8415	0.650078	-1.29446	0.195506	0.59423	chr11	1.23E+08	1.23E+08	+	0	NA	promoter-	promoter-	301	NR_001454	85390		NR_001454	ENSG00000	SNORD14D	-	small nuc	snoRNA
chr12-574	9.936009	-0.8415	0.650078	-1.29446	0.195506	0.59423	chr12	57489084	57493144	+	0	NA	intron (N	AluSq|SIN	-2290	NM_001319	64333	Hs.437126	NM_032496	ENSG00000	ARHGAP9	10C|RGL1	Rho GTPas	protein-coding
chr12-893	9.936009	-0.8415	0.650078	-1.29446	0.195506	0.59423	chr12	89348409	89350952	+	0	NA	intron (N	intron (N	2821	NM_001946	1848	Hs.298654	NM_001946	ENSG00000	DUSP6	HH19|MKP3	dual spec	protein-coding
chr1-2156	9.921418	-0.83973	0.651918	-1.28809	0.197713	0.59423	chr1	2.16E+08	2.16E+08	+	0	NA	intron (N	L1PA11|LI	45730	NM_016121	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr6-3067	9.921418	-0.83973	0.651918	-1.28809	0.197713	0.59423	chr6	30676026	30679210	+	0	NA	intron (N	AluSz6|SI	-4565	NM_001363	8449	Hs.485060	NM_003587	ENSG00000	DHX16	DBP2|DDX1	DEAH-box	protein-coding
chr7-7319	12.15146	-0.68481	0.5317	-1.28795	0.197762	0.59423	chr7	73191204	73196549	+	0	NA	intron (N	intron (N	-26763	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr1-2434	9.425377	-0.87477	0.679276	-1.28779	0.197819	0.59423	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	69933	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr11-124	9.425377	-0.87477	0.679276	-1.28779	0.197819	0.59423	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	6234	NM_001130	4013	Hs.152944	NM_014622	ENSG00000	VWA5A	BCSC-1|BC	von Wille	protein-coding
chr12-109	9.425377	-0.87477	0.679276	-1.28779	0.197819	0.59423	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	AluSg|SIN	15187	NM_001145	121642	Hs.374458	NM_001001	ENSG00000	ALKBH2	ABH2	alkB homo	protein-coding
chr19-442	9.425377	-0.87477	0.679276	-1.28779	0.197819	0.59423	chr19	44285773	44290868	+	0	NA	exon (NM_	exon (NM_	16705	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr5-1360	9.425377	-0.87477	0.679276	-1.28779	0.197819	0.59423	chr5	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	17925	NR_030583	1E+08		NR_030583	ENSG00000	VTRNA2-1	CBL-3|CBL	vault RNA	ncRNA
chr22-243	9.452351	-0.87423	0.679933	-1.28576	0.198526	0.59423	chr22	24324279	24324758	+	0	NA	intron (N	AluYk11|S	-17590	NM_001254	23384	Hs.474384	NM_015330	ENSG00000	SPECC1L	CYTSA|GBE	sperm ant	protein-coding
chr1-1101	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr1	11013689	11028204	+	0	NA	intron (N	intron (N	8324	NM_007375	23435	Hs.300624	NM_007375	ENSG00000	TARDBP	ALS10|TDP	TAR DNA b	protein-coding
chr1-6636	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr1	66365332	66370698	+	0	NA	exon (NM_	exon (NM_	13480	NM_001297	5142	Hs.198072	NM_002600	ENSG00000	PDE4B	DPDE4|PDE	phosphodi	protein-coding
chr1-1611	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr1	1.61E+08	1.61E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3988	NM_001185	4817	Hs.146406	NM_005600	ENSG00000	NIT1	-	nitrilase	protein-coding
chr1-1760	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	MER61-int	108378	NM_001286	64326	Hs.523744	NM_022457	ENSG00000	COP1	RFWD2|RNF	COP1 E3 u	protein-coding
chr10-739	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr10	73912299	73917925	+	0	NA	intron (N	intron (N	3980	NM_002658	5328	Hs.77274	NM_002658	ENSG00000	PLAU	ATF|BDPLT	plasminog	protein-coding
chr11-627	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr11	62790194	62804399	+	0	NA	intron (N	intron (N	-4525	NR_106769	1.02E+08		NR_106769	ENSG00000	MIR6514	hsa-mir-6	microRNA	ncRNA
chr12-565	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr12	56595598	56624199	+	0	NA	exon (NM_	exon (NM_	20428	NM_001300	11176	Hs.314263	NM_013449	ENSG00000	BAZ2A	TIP5|WALp	bromodoma	protein-coding
chr15-484	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr15	48482977	48493206	+	0	NA	intron (N	intron (N	155894	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr17-803	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr17	80356138	80385106	+	0	NA	intron (N	Charliela	-44545	NM_001352	284131	Hs.389678	NM_173627	ENSG00000	ENDOV	-	endonucle	protein-coding
chr2-1909	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	27095	NM_139266	6772	Hs.642990	NM_007315	ENSG00000	STAT1	CANDF7|IM	signal tr	protein-coding
chr5-9136	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr5	91368915	91378920	+	0	NA	intron (N	intron (N	6180	NR_138071	57561	Hs.24684	NM_020801	ENSG00000	ARRDC3	TLIMP	arrestin	protein-coding
chr9-1213	9.43776	-0.87234	0.679163	-1.28444	0.198988	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	2750	NR_073037	2040	Hs.253903	NM_004099	ENSG00000	STOM	BND7|EPB7	stomatin	protein-coding
chr3-1238	9.948392	-0.83923	0.65356	-1.2841	0.199109	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	Kangalla|	8590	NM_053028	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr14-103	12.14925	-0.68232	0.531738	-1.28318	0.199428	0.59423	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	AluSx1|SI	2269	NR_002964	677811	Hs.658237	NR_002964	ENSG00000	SNORA28	ACA28	small nuc	snoRNA
chr19-578	12.14925	-0.68232	0.531738	-1.28318	0.199428	0.59423	chr19	57853119	57870531	+	0	NA	3’ UTR (N	3’ UTR (N	-5935	NR_144562	1.01E+08	Hs.654820	NR_144562		UBE2CP5	-	ubiquitin	pseudo
chr7-7320	12.14925	-0.68232	0.531738	-1.28318	0.199428	0.59423	chr7	73201128	73204206	+	0	NA	intron (N	intron (N	-17972	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr1-1909	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr1	19092410	19179593	+	0	NA	intron (N	L1MEd|LIN	74265	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr1-1863	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr1	1.86E+08	1.86E+08	+	0	NA	promoter-	promoter-	-443	NM_022375	10896	Hs.679230	NM_022375	ENSG00000	OCLM	TISR	oculomedi	protein-coding
chr1-2008	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	AluSx4|SI	-17345	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G protein	protein-coding
chr16-683	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr16	68337791	68342522	+	0	NA	intron (N	intron (N	29042	NM_001290	54496	Hs.640229	NM_019023	ENSG00000	PRMT7	SBIDDS	protein a	protein-coding
chr2-3025	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr2	30256665	30261107	+	0	NA	3’ UTR (N	3’ UTR (N	27352	NM_030915	81606	Hs.567598	NM_030915	ENSG00000	LBH	-	LBH regul	protein-coding
chr2-6187	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr2	61870483	61887388	+	0	NA	exon (NM_	exon (NM_	9721	NM_006430	10575	Hs.421509	NM_006430	ENSG00000	CCT4	CCT-DELTA	chaperoni	protein-coding
chr2-1332	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1M5|LINE	-58797	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr21-461	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr21	46109338	46122799	+	0	NA	intron (N	intron (N	17949	NM_058175	1292	Hs.420269	NM_001849	ENSG00000	COL6A2	BTHLM1|PF	collagen	protein-coding
chr22-365	9.42317	-0.87045	0.680252	-1.2796	0.200687	0.59423	chr22	36509919	36527660	+	0	NA	exon (NM_	exon (NM_	10377	NM_003753	8664	Hs.55682	NM_003753	ENSG00000	EIF3D	EIF3S7|eI	eukaryoti	protein-coding
chr12-307	8.927129	-0.90968	0.711598	-1.27836	0.201124	0.59423	chr12	30710103	30710429	+	0	NA	exon (NM_	exon (NM_	-14397	NM_006390	10526	Hs.505136	NM_006390	ENSG00000	IPO8	RANBP8	importin	protein-coding
chr16-248	8.927129	-0.90968	0.711598	-1.27836	0.201124	0.59423	chr16	24822583	24824020	+	0	NA	intron (N	intron (N	-22562	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr16-900	9.906828	-0.83791	0.655482	-1.27831	0.201141	0.59423	chr16	90031192	90032470	+	0	NA	intron (N	MIRb|SINE	-1930	NR_122031	750	Hs.633032	NM_001214	ENSG00000	GAS8-AS1	C16orf3	GAS8 anti	ncRNA
chr1-1201	8.939512	-0.907	0.709922	-1.27761	0.201389	0.59423	chr1	1.2E+08	1.2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	21237	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr12-562	8.939512	-0.907	0.709922	-1.27761	0.201389	0.59423	chr12	56205051	56219497	+	0	NA	intron (N	L1ME4b|LI	9427	NM_001242	10193	Hs.524502	NM_005785	ENSG00000	RNF41	FLRF|NRDP	ring fing	protein-coding
chr4-1223	8.939512	-0.907	0.709922	-1.27761	0.201389	0.59423	chr4	1.22E+08	1.22E+08	+	0	NA	exon (NM_	exon (NM_	-22312	NM_139243	132612	Hs.518957	NM_139243	ENSG00000	ADAD1	Tenr	adenosine	protein-coding
chr13-322	8.954102	-0.90905	0.711901	-1.27694	0.201624	0.59423	chr13	32237031	32238720	+	0	NA	exon (NM_	exon (NM_	74079	NM_001136	646799	Hs.569254	NM_001136	ENSG00000	ZAR1L	Z3CXXC7|Z	zygote ar	protein-coding
chr17-646	8.954102	-0.90905	0.711901	-1.27694	0.201624	0.59423	chr17	64660143	64661699	+	0	NA	intron (N	intron (N	1386	NM_022739	64750	Hs.515011	NM_022739	ENSG00000	SMURF2	-	SMAD spec	protein-coding
chr3-9088	8.954102	-0.90905	0.711901	-1.27694	0.201624	0.59423	chr3	90888721	90889568	+	0	NA	Intergeni	ALR/Alpha	1781523	NM_005233	2042	Hs.123642	NM_005233	ENSG00000	EPHA3	EK4|ETK|E	EPH recep	protein-coding
chr1-1611	8.912538	-0.90763	0.711707	-1.27529	0.202208	0.59423	chr1	1.61E+08	1.61E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4166	NM_001365	5498	Hs.517373	NM_000309	ENSG00000	PPOX	PPO|V290M	protopor	protein-coding
chr11-513	8.912538	-0.90763	0.711707	-1.27529	0.202208	0.59423	chr11	51308315	51309505	+	0	NA	Intergeni	ALR/Alpha	899763	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr12-589	8.912538	-0.90763	0.711707	-1.27529	0.202208	0.59423	chr12	58903678	58905720	+	0	NA	intron (N	intron (N	14847	NM_001136	121227	Hs.253736	NM_153377	ENSG00000	LRIG3	LIG3	leucine r	protein-coding
chr19-394	8.912538	-0.90763	0.711707	-1.27529	0.202208	0.59423	chr19	39407437	39408670	+	0	NA	exon (NM_	exon (NM_	1206	NM_003407	7538	Hs.534052	NM_003407	ENSG00000	ZFP36	GOS24|GOS	ZFP36 rin	protein-coding
chr1-1680	8.441263	-0.94617	0.74209	-1.27501	0.202306	0.59423	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	24543	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA

chr1-3517	9.396197	-0.87097	0.683348	-1.27456	0.202465	0.59423	chr1	35175358	35191998	+	0	NA	3’ UTR (N	3’ UTR (N	9467	NR_136703	6421	Hs.355934	NM_005066	ENSG00000	SFPQ	POMP100|P	splicing	protein-coding
chr1-2582	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	25825373	25834614	+	0	NA	intron (N	intron (N	-6387	NR_024498	646471	Hs.727271	NR_024498		LOC646471	-	uncharact	ncRNA
chr1-2683	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	26832566	26836498	+	0	NA	intron (N	L2c|LINE|	7844	NM_032283	84243	Hs.523710	NM_032283	ENSG00000	ZDHHC18	DHHC-18|D	zinc fing	protein-coding
chr1-4368	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	43689254	43705141	+	0	NA	intron (N	L2a|LINE|	10144	NR_033827	1E+08	Hs.655569	NR_033827		KDM4A-AS1	-	KDM4A ant	ncRNA
chr1-8421	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	84218796	84219642	+	0	NA	intron (N	L1MA4A|LI	37587	NM_001242	5567	Hs.487325	NM_002731	ENSG00000	PRKACB	PKA C-bet	protein k	protein-coding
chr1-9453	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	94531025	94533508	+	0	NA	intron (N	intron (N	9493	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-1545	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	14515	NM_001193	103	Hs.12341	NM_001111	ENSG00000	ADAR	ADAR1|AGS	adenosine	protein-coding
chr1-1627	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-20436	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1680	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	66479	NM_001267	23432	Hs.271809	NM_007369	ENSG00000	GPR161	RE2	G protein	protein-coding
chr1-1800	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx|SIN	-78877	NM_001004	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2226	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	L1MEg|LIN	12480	NM_001300	375056	Hs.118474	NM_198551	ENSG00000	MIA3	ARNT|D320	MIA SH3 c	protein-coding
chr10-379	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr10	37951752	37957700	+	0	NA	intron (N	intron (N	21254	NR_138069	219749	Hs.499429	NM_145011	ENSG00000	ZNF25	KOX19|Zfp	zinc fing	protein-coding
chr11-868	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr11	8683320	8686973	+	0	NA	promoter-	promoter-	-293	NR_002977	677826	Hs.745552	NR_002977	ENSG00000	SNORA3B	ACA3-2|SN	small nuc	snoRNA
chr11-647	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr11	64761282	64777349	+	0	NA	exon (NM_	exon (NM_	8446	NM_001178	7536	Hs.502829	NM_004630	ENSG00000	SF1	BBP|D11S6	splicing	protein-coding
chr12-104	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr12	1.04E+08	1.04E+08	+	0	NA	intron (N	intron (N	43389	NM_001008	493861	Hs.659857	NM_001008	ENSG00000	EID3	NS4EB|NSE	EP300 int	protein-coding
chr12-108	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	5632	NM_001320	23479	Hs.615131	NM_014301	ENSG00000	ISCU	2310020H2	iron-sulf	protein-coding
chr17-203	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr17	20304462	20308143	+	0	NA	intron (N	L1MEd|LIN	-14872	NR_023380	348254	Hs.462475	NR_023380		CCDC144CP	CCDC144C	coiled-cc	pseudo
chr17-399	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr17	39983756	39999726	+	0	NA	intron (N	intron (N	10934	NM_002809	5709	Hs.12970	NM_002809	ENSG00000	PSMD3	P58|RPN3|	proteasom	protein-coding
chr2-9520	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr2	95209551	95217792	+	0	NA	Intergeni	Intergeni	47862	NM_001282	7549	Hs.590916	NM_021088	ENSG00000	ZNF2	A1-5|ZNF6	zinc fing	protein-coding
chr20-385	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr20	3854181	3867260	+	0	NA	intron (N	AluSg|SIN	13886	NR_037921	57506	Hs.570362	NM_020746	ENSG00000	MAVS	CARDIF|IF	mitochonc	protein-coding
chr20-535	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr20	53564468	53578060	+	0	NA	intron (N	intron (N	11833	NM_006526	7764	Hs.155040	NM_006526	ENSG00000	ZNF217	ZABC1	zinc fing	protein-coding
chr3-2729	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr3	27298436	27301464	+	0	NA	intron (N	THE1B-int	69433	NM_199347	152110	Hs.506115	NM_152534	ENSG00000	NEK10	-	NIMA rela	protein-coding
chr3-7572	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr3	75728666	75729659	+	0	NA	TTS (NM_C	TTS (NM_C	-9118	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr4-1866	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-77884	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonir	protein-coding
chr8-1310	8.924921	-0.90496	0.710032	-1.27454	0.202474	0.59423	chr8	13109183	13114847	+	0	NA	intron (N	AluJo|SIN	4229	NM_001164	10395	Hs.134296	NM_006094	ENSG00000	DLC1	ARHGAP7|F	DLC1 Rho	protein-coding
chr1-2470	8.426673	-0.94397	0.740975	-1.27395	0.202679	0.59423	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	-30076	NM_020394	57116	Hs.669893	NM_020394	ENSG00000	ZNF695	SBZF3	zinc fing	protein-coding
chr12-121	8.426673	-0.94397	0.740975	-1.27395	0.202679	0.59423	chr12	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	21061	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr13-102	8.426673	-0.94397	0.740975	-1.27395	0.202679	0.59423	chr13	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	32987	NR_160411	7174	Hs.432424	NM_003291	ENSG00000	TPP2	TPP-2|TPF	tripeptic	protein-coding
chr2-2737	8.426673	-0.94397	0.740975	-1.27395	0.202679	0.59423	chr2	27373107	27378983	+	0	NA	intron (N	intron (N	4399	NM_001201	130557	Hs.515872	NM_144631	ENSG00000	ZNF513	HMFT0656|	zinc fing	protein-coding
chr3-5322	8.426673	-0.94397	0.740975	-1.27395	0.202679	0.59423	chr3	53221251	53242314	+	0	NA	intron (N	intron (N	24240	NM_001064	7086	Hs.89643	NM_001064	ENSG00000	TKT	HEL-S-48|	transketc	protein-coding
chr17-241	12.14705	-0.67978	0.533704	-1.2737	0.202768	0.59423	chr17	24188150	24188723	+	0	NA	Intergeni	ALR/Alpha	1665325	NM_001190	1E+08	Hs.740185	NM_001190	ENSG00000	MTRNR2L1	HN1	MT-RNR2 l	protein-coding
chr10-126	8.42888	-0.94915	0.745867	-1.27255	0.203177	0.59423	chr10	1.27E+08	1.27E+08	+	0	NA	intron (N	L4_A_Mam|	80136	NM_001290	1793	Hs.159195	NM_001380	ENSG00000	DOCK1	DOCK180|c	dedicator	protein-coding
chr6-1319	8.42888	-0.94915	0.745867	-1.27255	0.203177	0.59423	chr6	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	2485	NM_001901	1490	Hs.410037	NM_001901	ENSG00000	CCN2	CTGF|HCS2	cellular	protein-coding
chr14-213	8.453646	-0.94325	0.742068	-1.27111	0.20369	0.59423	chr14	21387433	21387632	+	0	NA	intron (N	AluSp|SIN	-3513	NM_007192	11198	Hs.213724	NM_007192	ENSG00000	SUPT16H	CDC68|FAC	SPT16 hom	protein-coding
chr2-9229	8.453646	-0.94325	0.742068	-1.27111	0.20369	0.59423	chr2	92296775	92297631	+	0	NA	Intergeni	ALR/Alpha	356070	NR_027714	440888	Hs.730239	NM_001032412		ACTR3BP2	FKSG73	ACTR3B ps	pseudo
chr4-3868	8.453646	-0.94325	0.742068	-1.27111	0.20369	0.59423	chr4	38681032	38683025	+	0	NA	intron (N	intron (N	-17400	NR_026804	79667	Hs.29725	NM_024614	ENSG00000	KLF3-AS1	-	KLF3 anti	ncRNA
chr1-1567	8.951894	-0.90433	0.711453	-1.2711	0.203693	0.59423	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	AluSq2|SI	22838	NM_005973	5546	Hs.516948	NM_005973	ENSG00000	PRCC	RCCP1|TPF	proline r	protein-coding
chr14-321	8.951894	-0.90433	0.711453	-1.2711	0.203693	0.59423	chr14	32153786	32157830	+	0	NA	3’ UTR (N	3’ UTR (N	-46237	NR_004394	26827		NR_004394	ENSG00000	RNU6-1	RNU6|RNU6	RNA, U6 s	snRNA
chr9-1104	8.951894	-0.90433	0.711453	-1.2711	0.203693	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-77303	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1213	8.951894	-0.90433	0.711453	-1.2711	0.203693	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	6038	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr1-6653	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	66534475	66542547	+	0	NA	intron (N	intron (N	4358	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr1-1537	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-14752	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr1-1569	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	-48503	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr1-2057	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	17250	NM_173854	254428	Hs.20274	NM_173854	ENSG00000	SLC41A1	MgtE	solute ca	protein-coding
chr1-2112	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	intron (N	-30312	NM_004619	7188	Hs.523930	NM_004619	ENSG00000	TRAF5	MGC:39780	TNF recep	protein-coding
chr1-2156	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr1	2.16E+08	2.16E+08	+	0	NA	intron (N	L2c|LINE|	41996	NM_016121	51133	Hs.335139	NM_016121	ENSG00000	KCTD3	NY-REN-45	potassium	protein-coding
chr11-351	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr11	35176062	35190687	+	0	NA	intron (N	intron (N	20424	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr18-938	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr18	9388544	9392364	+	0	NA	intron (N	AluY|SINE	55681	NM_020648	57045	Hs.514685	NM_020648	ENSG00000	TWSG1	TSG	twisted g	protein-coding
chr19-489	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr19	48904183	48919917	+	0	NA	intron (N	AluJr|SIN	6841	NR_046633	1.01E+08	Hs.569933	NR_046633	ENSG00000	NUCB1-AS1	-	NUCB1 ant	ncRNA
chr2-1119	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr2	11195171	11203140	+	0	NA	intron (N	AluSz|SIN	43688	NR_104231	130814	Hs.274415	NM_152391	ENSG00000	SLC66A3	C2orf22|F	solute ca	protein-coding
chr2-3925	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr2	39256957	39260857	+	0	NA	intron (N	intron (N	-14924	NR_144521	344387	Hs.403201	NM_001009	ENSG00000	CDKL4	-	cyclin de	protein-coding
chr2-4430	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr2	44308906	44324084	+	0	NA	intron (N	HAL1ME|LI	41015	NM_000341	6519	Hs.112916	NM_000341	ENSG00000	SLC3A1	ATR1|CSNU	solute ca	protein-coding
chr2-1482	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	Tigger1|D	-215260	NM_181742	5000	Hs.558364	NM_002552	ENSG00000	ORC4	ORC4L|ORC	origin re	protein-coding
chr2-1890	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	L2a|LINE|	43491	NR_037401	1.01E+08		NR_037401	ENSG00000	MIR3606	mir-3606	microRNA	ncRNA
chr3-5247	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr3	52472170	52483847	+	0	NA	intron (N	intron (N	-17330	NM_015136	23166	Hs.301989	NM_015136	ENSG00000	STAB1	CLEVER-1|	stabilin	protein-coding
chr3-1953	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	THE1D-int	-48004	NM_152531	152002	Hs.478741	NM_152531	ENSG00000	XXYLT1	C3orf21	xyloside	protein-coding
chr6-4225	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr6	42253409	42254794	+	0	NA	intron (N	intron (N	-36240	NM_018141	55173	Hs.380887	NM_018141	ENSG00000	MRPS10	MRP-S10|F	mitochonc	protein-coding
chr6-1334	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	L1MB5|LIN	228078	NM_001301	2070	Hs.596680	NM_004100	ENSG00000	EYA4	CMD1J|DFN	EYA trans	protein-coding
chr8-1447	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	intron (N	12507	NM_030580	80778	Hs.631854	NM_030580	ENSG00000	ZNF34	KOX32	zinc fing	protein-coding
chr9-1047	8.439055	-0.94105	0.740954	-1.27006	0.204065	0.59423	chr9	1.05E+08	1.05E+08	+	0	NA	exon (NM_	exon (NM_	22754	NM_018376	55335	Hs.429294	NM_018376	ENSG00000	NIPSNAP3B	FP944|NIF	nipsnap h	protein-coding
chr1-2024	8.443471	-0.95145	0.749387	-1.26963	0.204216	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	exon (NM_	exon (NM_	-17505	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr16-674	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr16	67438055	67439433	+	0	NA	intron (N	intron (N	7623	NM_000196	3291	Hs.1376	NM_000196	ENSG00000	HSD11B2	AME|AME1|	hydroxyst	protein-coding
chr2-1711	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluSz|SIN	-43307	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr22-451	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr22	45132145	45136157	+	0	NA	non-codin	non-codin	18433	NR_038957	1.01E+08	Hs.189902	NR_038956		NUP50-DT	NUP50-AS1	NUP50 div	ncRNA
chr5-1774	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr5	1.77E+08	1.77E+08	+	0	NA	TTS (NM_2	TTS (NM_2	8208	NM_005451	9260	Hs.533040	NM_005451	ENSG00000	PDLIM7	LMP1|LMP3	PDZ and L	protein-coding
chr8-1411	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr8	1.41E+08	1.41E+08	+	0	NA	exon (NM_	exon (NM_	39604	NM_001362	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-9351	8.412082	-0.94177	0.742179	-1.26893	0.204466	0.59423	chr9	93516011	93516613	+	0	NA	intron (N	intron (N	-60272	NM_005392	5253	Hs.211441	NM_005392	ENSG00000	PHF2	CENP-35|C	PHD finge	protein-coding
chr9-1213	8.937304	-0.90228	0.711566	-1.26802	0.20479	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	17715	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr1-1112	8.910331	-0.90291	0.712235	-1.26771	0.204902	0.59423	chr1	11129030	11130908	+	0	NA	intron (N	MIR|SINE|	-13929	NR_046600	1.01E+08	Hs.679133	NR_046600	ENSG00000	MTOR-AS1	-	MTOR anti	ncRNA
chr1-2024	8.910331	-0.90291	0.712235	-1.26771	0.204902	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	MLT1A|LTR	-27518	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr9-1285	8.910331	-0.90291	0.712235	-1.26771	0.204902	0.59423	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	47577	NM_001195	6709	Hs.372331	NM_003127	ENSG00000	SPTAN1	EIEE5|NEA	spectrin	protein-coding
chr1-1549	8.399699	-0.94472	0.745954	-1.26646	0.205348	0.59423	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	4811	NM_020524	57326	Hs.505806	NM_020524	ENSG00000	PBXIP1	HPIP	PBX homec	protein-coding
chr5-7390	8.399699	-0.94472	0.745954	-1.26646	0.205348	0.59423	chr5	73909250	73910230	+	0	NA	exon (NM_	exon (NM_	96194	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr1-1538	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	24244	NR_126565	343052	Hs.516530	NR_126565	ENSG00000	LOC343052	-	immunoglc	pseudo
chr1-1539	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	non-codin	non-codin	3305	NM_001272	5872	Hs.151536	NM_002870	ENSG00000	RAB13	GIG4	RAB13, me	protein-coding
chr1-2201	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	intron (N	34020	NR_031705	1E+08		NR_031705	ENSG00000	MIR664A	MIR664|MI	microRNA	ncRNA
chr10-102	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	4853	NM_003893	8861	Hs.454418	NM_003893	ENSG00000	LDB1	CLIM-2|CL	LIM domai	protein-coding
chr12-112	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	18369	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr15-424	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr15	42418224	42427178	+	0	NA	intron (N	intron (N	17922	NM_173089	825	Hs.143261	NM_000070	ENSG00000	CAPN3	CANP3|CAN	calpain 3	protein-coding
chr16-706	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr16	70662181	70681169	+	0	NA	intron (N	L1MC4a|LI	14378	NM_138383	92154	Hs.432387	NM_138383	ENSG00000	MTSS2	ABBA|ABBA	MTSS I-BA	protein-coding
chr17-762	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr17	762254	763067	+	0	NA	intron (N	intron (N	10327	NR_024120	1E+08	Hs.662289	NR_024120	ENSG00000	DBIL5P	ELP2P	diazepam	pseudo
chr2-1914	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	168902	NM_001130	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IE	protein-coding
chr4-1216	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	25486	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr4-1866	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr4	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-72016	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonir	protein-coding
chr6-3196	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr6	31960189	31968898	+	0	NA	intron (N	MIR|SINE|	5368	NM_006929	6499	Hs.89864	NM_006929	ENSG00000	SKIV2L	170A|DDX1	Ski2 like	protein-coding
chr7-7648	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr7	76482708	76485056	+	0	NA	intron (N	AluJo|SIN	3372	NM_001102	113878	Hs.187058	NM_020892	ENSG00000	DTX2	RNF58	deltex E3	protein-coding
chr9-4464	8.424465	-0.93885	0.742161	-1.26502	0.205864	0.59423	chr9	44649601	44650788	+	0	NA	Intergeni	ALR/Alpha	1524028	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr19-575	11.651	-0.6995	0.554571	-1.26134	0.207186	0.59423	chr19	57530544	57557803	+	0	NA	3’ UTR (N	3’ UTR (N	15690	NM_001277	162972	Hs.180257	NM_153231	ENSG00000	ZNF550	-	zinc fing	protein-coding
chr9-9675	11.651	-0.6995	0.554571	-1.26134	0.207186	0.59423	chr9	96757025	96776718	+	0	NA	intron (N	L1MCb|LIN	11216	NM_001314	22869	Hs.75264	NM_014930	ENSG00000	ZNF510	-	zinc fing	protein-coding
chr21-258	8.466028	-0.94029	0.745809	-1.26077	0.207392	0.59423	chr21	25891439	25891683	+	0	NA	intron (N	intron (N	-155907	NM_001003	522	Hs.246310	NM_001685	ENSG00000	ATP5PF	ATP5|ATP5	ATP synth	protein-coding
chr3-4783	8.397492	-0.93956	0.74575	-1.25988	0.207713	0.59423	chr3	47833554	47834655	+	0	NA	intron (N	AluSz|SIN	-15451	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr8-3774	8.451438	-0.93809	0.744683	-1.25972	0.207772	0.59423	chr8	37742560	37743094	+	0	NA	intron (N	L1PA11|LI	5219	NR_003671	728024	Hs.647135	NR_003671		LOC728024	-	chromosom	pseudo
chr7-7490	8.385109	-0.94251	0.749568	-1.25741	0.208606	0.59423	chr7	74905670	74905966	+	0	NA	non-codin	non-codin	15050	NR_027776	5383	Hs.292996	NM_174930		PMS2P5	PMS2L5|PM	PMS1 homc	pseudo
chr6-1703	26.02052	-0.3763	0.299544	-1.25624	0.209029	0.59423	chr6	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	68064	NR_039787	1.01E+08		NR_039787	ENSG00000	MIR4644	-	microRNA	ncRNA
chr1-1509	8.409875	-0.9366	0.745736	-1.25594	0.209137	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	8891	NM_001163	55793	Hs.743952	NM_018379	ENSG00000	MINDY1	FAM63A|MI	MINDY lys	protein-coding
chr8-8653	8.949687	-0.89951	0.716446	-1.25552	0.20929	0.59423	chr8	86537991	86538299	+	0	NA	intron (N	AluSz|SIN	23710	NM_003909	8895	Hs.191219	NM_003909	ENSG00000	CPNE3	CPN3|PRO1	copine 3	protein-coding
chr12-721	8.436848	-0.93586	0.745909	-1.25465	0.209605	0.59423	chr12	7212286	7214020	+	0	NA	intron (N	L1PA3|LIN	22791	NM_000319	5830	Hs.567327	NM_000319	ENSG00000	PEX5	PBD2A|PBD	peroxisom	protein-coding
chr16-563	8.436848	-0.93586	0.745909	-1.25465	0.209605	0.59423	chr16	56393517	56393726	+	0	NA	intron (N	L1PA5|LIN	31368	NM_001323	267	Hs.295137	NM_001144	ENSG00000	AMFR	GP78|RNF4	autocrine	protein-coding
chr20-361	8.436848	-0.93586	0.745909	-1.25465	0.209605	0.59423	chr20	36188830	36189683	+	0	NA	intron (N	L2a|LINE|	-33496	NR_147703	1E+08	Hs.570339	NR_147703		LOC100130	-	uncharact	ncRNA
chr19-129	11.15276	-0.71846	0.579669	-1.23943	0.215185	0.59423	chr19	12939967	12945405	+	0	NA	intron (N	AluSz6|SI	2202	NR_106770	1.02E+08		NR_106770	ENSG00000	MIR6515	hsa-mir-6	microRNA	ncRNA
chr1-2471	11.16514	-0.71679	0.579521	-1.23686	0.216139	0.59423	chr1	2.47E+08	2.47E+08	+	0	NA	exon (NM_	exon (NM_	15366	NM_001243	7678	Hs.421238	NM_003431	ENSG00000	ZNF124	HZF-16|HZ	zinc fing	protein-coding
chr19-574	11.16514	-0.71679	0.579521	-1.23686	0.216139	0.59423	chr19	57471424	57476570	+	0	NA	exon (NM_	exon (NM_	3569	NM_001330	400720	Hs.388810	NM_001024	ENSG00000	ZNF772	-	zinc fing	protein-coding
chr5-2148	13.39297	-0.59533	0.481344	-1.2368	0.216162	0.59423	chr5	21484899	21485247	+	0	NA	intron (N	AluSx3|SI	25593	NR_027026	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr12-132	11.13817	-0.71706	0.579863	-1.2366	0.216237	0.59423	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L4_A_Mam|	11451	NM_183238	1E+08	Hs.29698	NM_183238	ENSG00000	ZNF605	-	zinc fing	protein-coding
chr17-157	11.15055	-0.71538	0.579716	-1.23402	0.217195	0.59423	chr17	15700982	15724077	+	0	NA	intron (N	L2|LINE|L	12777	NM_001369	57335	Hs.585799	NM_020652	ENSG00000	ZNF286A	ZNF286	zinc fing	protein-coding
chr19-119	11.15055	-0.71538	0.579716	-1.23402	0.217195	0.59423	chr19	11945662	11954255	+	0	NA	exon (NM_	exon (NM_	-15082	NM_001367	284390	Hs.646386	NM_001012	ENSG00000	ZNF763	ZNF|ZNF44	zinc fing	protein-coding
chr19-125	11.15055	-0.71538	0.579716	-1.23402	0.217195	0.59423	chr19	12520472	12541969	+	0	NA	intron (N	intron (N	20262	NM_144976	163050	Hs.655615	NM_144976	ENSG00000	ZNF564	-	zinc fing	protein-coding
chr19-519	11.15055	-0.71538	0.579716	-1.23402	0.217195	0.59423	chr19	51990600	52006214	+	0	NA	intron (N	L2a|LINE|	9804	NM_001199	284370	Hs.368355	NM_198480	ENSG00000	ZNF615	-	zinc fing	protein-coding
chr19-564	11.15055	-0.71538	0.579716	-1.23402	0.217195	0.59423	chr19	56406640	56423814	+	0	NA	intron (N	intron (N	10895	NM_001159	147949	Hs.146854	NM_152478	ENSG00000	ZNF583	-	zinc fing	protein-coding
chr11-335	13.36379	-0.59356	0.481142	-1.23364	0.217336	0.59423	chr11	3357558	3378172	+	0	NA	intron (N	AluSp|SIN	11281	NM_001242	7748	Hs.386294	NM_007152	ENSG00000	ZNF195	HRF1|ZNFF	zinc fing	protein-coding
chr17-671	8.407667	-0.93117	0.755699	-1.2322	0.217874	0.59423	chr17	67150288	67151192	+	0	NA	intron (N	intron (N	-94036	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr8-7204	8.407667	-0.93117	0.755699	-1.2322	0.217874	0.59423	chr8	72045241	72046645	+	0	NA	intron (N	intron (N	29641	NM_007332	8989	Hs.716816	NM_007332	ENSG00000	TRPA1	ANKTM1|FE	transient	protein-coding
chr20-356	8.476204	-0.93163	0.765218	-1.21747	0.223425	0.59423	chr20	35678405	35678727	+	0	NA	intron (N	AluSz|SIN	-13666	NM_001198	10137	Hs.700188	NM_006047	ENSG00000	RBM12	HRIHFB209	RNA bindi	protein-coding
chr10-413	10.63992	-0.7379	0.606833	-1.21598	0.223991	0.59423	chr10	41313961	41314259	+	0	NA	Intergeni	ALR/Alpha	1053935	NR_024380	441666	Hs.255729	NR_024380	ENSG00000	LOC441666	-	zinc fing	pseudo
chr19-963	10.6523	-0.73603	0.60579	-1.215	0.224368	0.59423	chr19	963025	976164	+	0	NA	intron (N	(TA)n|Sim	-14734	NM_024100	57418	Hs.325321	NM_024100	ENSG00000	WDR18	Ipi3|R321	WD repeat	protein-coding
chr19-366	10.6523	-0.73603	0.60579	-1.215	0.224368	0.59423	chr19	36637364	36665237	+	0	NA	intron (N	L1MD2|LIN	15537	NM_153257	92283	Hs.590972	NM_153257	ENSG00000	ZNF461	GIOT-1|GI	zinc fing	protein-coding
chr19-529	10.63771	-0.73449	0.606674	-1.21068	0.226019	0.59423	chr19	52948665	52957880	+	0	NA	intron (N	AluSx3|SI	9609	NM_001202	125893	Hs.655592	NM_001031	ENSG00000	ZNF816	ZNF816A	zinc fing	protein-coding
chr4-1689	10.63771	-0.73449	0.606674	-1.21068	0.226019	0.59423	chr4	1.69E+08	1.69E+08	+	0	NA	3’ UTR (N	3’ UTR (N	83441	NM_032783	84869	Hs.659311	NM_032783	ENSG00000	CBR4	SDR45C1	carbonyl	protein-coding
chr1-1679	10.65009	-0.73261	0.607441	-1.20606	0.227796	0.59423	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSx|SIN	-17084	NM_001143	25874	Hs.517768	NM_015415	ENSG00000	MPC2	BRP44|SLC	mitochonc	protein-coding
chr19-271	10.15405	-0.75897	0.634216	-1.19671	0.23142	0.59423	chr19	27134791	27137273	+	0	NA	Intergeni	ALR/Alpha	-657399	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr1-4004	8.15584	0.940065	0.78654	1.19519	0.232013	0.59423	chr1	40048080	40048452	+	0	NA	intron (N	AluSx1|SI	7415	NM_001350	10487	Hs.370581	NM_006367	ENSG00000	CAP1	CAP|CAP1-	cyclase a	protein-coding
chr1-3943	10.16643	-0.75691	0.634085	-1.1937	0.232596	0.59423	chr1	39435737	39450227	+	0	NA	intron (N	intron (N	33909	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr10-131	10.16643	-0.75691	0.634085	-1.1937	0.232596	0.59423	chr10	13108557	13114624	+	0	NA	intron (N	AluSx|SIN	11427	NM_001008	10133	Hs.332706	NM_021980	ENSG00000	OPTN	ALS12|FIF	optineuri	protein-coding

chr15-851	10.16643	-0.75691	0.634085	-1.1937	0.232596	0.59423	chr15	85190784	85194205	+	0	NA	Intergeni	MamGypLTR	42287	NR_158179	1.02E+08	Hs.681665	NR_158179		LOC101929	-	golgin A2	pseudo
chr1-1384	10.13946	-0.75728	0.634401	-1.1937	0.232596	0.59423	chr1	1384692	1398441	+	0	NA	TTS (NM_0	TTS (NM_0	6776	NM_001350	81669	Hs.515704	NM_030937	ENSG00000	CCNL2	ANIA-6B|C	cyclin L2	protein-coding
chr1-1205	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr1	1.21E+08	1.21E+08	+	0	NA	non-codin	non-codin	-109016	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1490	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	8211	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr11-969	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr11	9694034	9696150	+	0	NA	intron (N	AluSq2|SI	31015	NM_001297	23075	Hs.153026	NM_015055	ENSG00000	SWAP70	HSPC321|S	switching	protein-coding
chr16-569	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr16	56933289	56945498	+	0	NA	intron (N	intron (N	7251	NM_014685	9709	Hs.146393	NM_014685	ENSG00000	HERPUD1	HERP|Mif1	homocyste	protein-coding
chr17-166	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr17	1669801	1683784	+	0	NA	intron (N	FLAM_A|SI	8075	NM_006445	10594	Hs.181368	NM_006445	ENSG00000	PRPF8	HPRP8|PRF	pre-mRNA	protein-coding
chr19-933	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr19	9335224	9345573	+	0	NA	intron (N	intron (N	15703	NM_001202	1.01E+08	Hs.728944	NM_001172	ENSG00000	ZNF559-ZN	-	ZNF559-ZN	protein-coding
chr2-3874	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr2	38744530	38750440	+	0	NA	intron (N	intron (N	3876	NM_001031	6432	Hs.309090	NM_006276	ENSG00000	SRSF7	9G8|AAG3|	serine ar	protein-coding
chr20-357	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr20	35700208	35740984	+	0	NA	intron (N	AluSx1|SI	21191	NM_080748	140823	Hs.472564	NM_080748	ENSG00000	ROMO1	C20orf52|	reactive	protein-coding
chr3-1292	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr3	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	-7612	NR_106884	1.02E+08		NR_106884	ENSG00000	MIR6826	hsa-mir-6	microRNA	ncRNA
chr3-1571	10.15184	-0.75522	0.634271	-1.19069	0.233777	0.59423	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	8165	NM_001308	57018	Hs.4859	NM_020307	ENSG00000	CCNL1	ANIA6A|BM	cyclin L1	protein-coding
chr19-520	12.37968	-0.61699	0.520587	-1.18518	0.235948	0.59423	chr19	52031860	52047999	+	0	NA	intron (N	L1MB8|LIN	8632	NM_001322	9668	Hs.655934	NM_014650	ENSG00000	ZNF432	-	zinc fing	protein-coding
chr19-291	10.13725	-0.75351	0.636053	-1.18466	0.23615	0.59423	chr19	2914407	2918752	+	0	NA	intron (N	AluY|SINE	9471	NM_001319	126295	Hs.591378	NM_173480	ENSG00000	ZNF57	ZNF424	zinc fing	protein-coding
chr6-4424	10.13725	-0.75351	0.636053	-1.18466	0.23615	0.59423	chr6	44248009	44256614	+	0	NA	intron (N	intron (N	1974	NR_039790	1.01E+08		NR_039790	ENSG00000	MIR4647	mir-4647	microRNA	ncRNA
chr20-392	10.16423	-0.75312	0.636289	-1.18362	0.236565	0.59423	chr20	3920258	3920859	+	0	NA	intron (N	intron (N	-2995	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr19-707	12.36509	-0.61588	0.520776	-1.18263	0.236956	0.59423	chr19	7070639	7092325	+	0	NA	intron (N	intron (N	11779	NM_001044	79230	Hs.591380	NM_024341	ENSG00000	ZNF557	-	zinc fing	protein-coding
chr19-440	12.36509	-0.61588	0.520776	-1.18263	0.236956	0.59423	chr19	44026622	44033536	+	0	NA	intron (N	intron (N	4700	NM_001129	7673	Hs.279840	NM_013360	ENSG00000	ZNF222	-	zinc fing	protein-coding
chr1-1852	9.668186	-0.78227	0.663879	-1.17833	0.238665	0.59423	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	AluJo|SIN	66062	NM_017673	54823	Hs.134183	NM_017673	ENSG00000	SWT1	C1orf26|H	SWT1 RNA	protein-coding
chr1-1458	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	Tigger3c|	10279	NM_001303	10623	Hs.515768	NM_006468	ENSG00000	POLR3C	RPC3|RPC6	RNA polym	protein-coding
chr1-1503	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	FLAM_C|SI	19194	NM_004698	9129	Hs.11776	NM_004698	ENSG00000	PRPF3	HPRP3|HPF	pre-mRNA	protein-coding
chr1-1512	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz6|SI	27453	NM_001135	8394	Hs.655131	NM_003557	ENSG00000	PIP5K1A	-	phosphati	protein-coding
chr1-1539	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx1|SI	2892	NM_001030	6232	Hs.546291	NM_001030	ENSG00000	RPS27	DBA17|MPS	ribosomal	protein-coding
chr1-1562	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	16969	NM_015327	23381	Hs.516837	NM_015327	ENSG00000	SMG5	EST1B|LPT	SMG5 nons	protein-coding
chr1-1715	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	52832	NM_015172	23215	Hs.494614	NM_015172	ENSG00000	PRRC2C	BAT2-iso|	proline r	protein-coding
chr1-2038	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluSx1|SI	-28951	NM_003094	6635	Hs.334612	NM_003094	ENSG00000	SNRPE	HYPT11|SM	small nuc	protein-coding
chr10-378	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr10	37827040	37838741	+	0	NA	exon (NM_	exon (NM_	24720	NR_147996	57209	Hs.528423	NM_021045	ENSG00000	ZNF248	bA162G10.	zinc fing	protein-coding
chr11-183	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr11	18394728	18408903	+	0	NA	intron (N	intron (N	5549	NM_001165	3939	Hs.2795	NM_005566	ENSG00000	LDHA	GSD11|HEL	lactate d	protein-coding
chr14-102	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	L1MC4|LIN	67247	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr19-397	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr19	3972125	3985074	+	0	NA	intron (N	AluY|SINE	3973	NR_002602	26812		NR_002602	ENSG00000	SNORD37	RNU37|U37	small nuc	snoRNA
chr19-218	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr19	21806262	21822540	+	0	NA	intron (N	intron (N	21781	NM_003423	7594	Hs.534365	NM_003423	ENSG00000	ZNF43	HTF6|KOX2	zinc fing	protein-coding
chr19-373	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr19	37372264	37390523	+	0	NA	intron (N	intron (N	10294	NM_032453	84503	Hs.590940	NM_032453	ENSG00000	ZNF527	-	zinc fing	protein-coding
chr19-388	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr19	38834494	38848755	+	0	NA	intron (N	intron (N	8353	NM_001533	3191	Hs.644906	NM_001533	ENSG00000	HNRNPL	HNRPL|P/C	heterogen	protein-coding
chr2-4634	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr2	46346469	46363407	+	0	NA	intron (N	intron (N	39229	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA
chr2-1973	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr2	1.97E+08	1.97E+08	+	0	NA	intron (N	AluJb|SIN	30195	NM_001308	23451	Hs.632554	NM_012433	ENSG00000	SF3B1	Hsh155|MD	splicing	protein-coding
chr3-1841	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	-4824	NM_001351	55324	Hs.361323	NM_018358	ENSG00000	ABCF3	EST201864	ATP bindi	protein-coding
chr3-1843	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	AluSc|SIN	4708	NM_001278	5708	Hs.518464	NM_002808	ENSG00000	PSMD2	P97|RPN1|	proteasom	protein-coding
chr6-2744	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr6	27449514	27467764	+	0	NA	intron (N	L1MA5|LIN	14259	NM_001318	7738	Hs.158174	NM_007149	ENSG00000	ZNF184	kr-ZNF3	zinc fing	protein-coding
chr6-1324	9.653595	-0.78043	0.663149	-1.17685	0.239254	0.59423	chr6	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	50323	NM_001326	8417	Hs.593148	NM_003569	ENSG00000	STX7	-	syntaxin	protein-coding
chr22-411	9.62883	-0.78506	0.668442	-1.17446	0.240211	0.59423	chr22	41176917	41178904	+	0	NA	exon (NM_	exon (NM_	19591	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr9-4368	20.03271	-0.39356	0.335505	-1.17304	0.240782	0.59423	chr9	43680400	43680705	+	0	NA	Intergeni	ALR/Alpha	554386	NR_160669	1.03E+08		NR_160669		LOC102724	-	methylene	pseudo
chr1-1918	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr1	19181106	19202358	+	0	NA	intron (N	intron (N	18534	NM_020765	23352	Hs.148078	NM_020765	ENSG00000	UBR4	RBAF600|Z	ubiquitin	protein-coding
chr1-2374	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr1	23749471	23761248	+	0	NA	intron (N	intron (N	11993	NM_003198	6924	Hs.15535	NM_003198	ENSG00000	ELOA	SIII|SIII	elongin A	protein-coding
chr14-230	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr14	23058834	23069507	+	0	NA	exon (NM_	exon (NM_	-6632	NM_144985	64403	Hs.155912	NM_022478	ENSG00000	CDH24	CDH11L	cadherin	protein-coding
chr16-892	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr16	89219061	89236208	+	0	NA	exon (NM_	exon (NM_	9931	NM_001201	197320	Hs.647385	NM_182531	ENSG00000	ZNF778	-	zinc fing	protein-coding
chr17-802	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr17	80287439	80314267	+	0	NA	intron (N	L1PA13|LI	40001	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr19-292	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr19	2929643	2940788	+	0	NA	intron (N	AluY|SINE	9756	NM_021217	58492	Hs.38004	NM_021217	ENSG00000	ZNF77	pT1	zinc fing	protein-coding
chr22-393	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr22	39310458	39319001	+	0	NA	promoter-	promoter-	578	NR_000027	116937		NR_000027	ENSG00000	SNORD83A	RNU83A|U8	small nuc	snoRNA
chr5-4762	9.639005	-0.77859	0.664222	-1.17218	0.241124	0.59423	chr5	47626449	47627365	+	0	NA	Intergeni	ALR/Alpha	-1930527	NM_021072	348980	Hs.353176	NM_021072	ENSG00000	HCN1	BCNG-1|BC	hyperpola	protein-coding
chr1-5878	9.665978	-0.77814	0.664282	-1.17141	0.241436	0.59423	chr1	58781060	58782790	+	0	NA	3’ UTR (N	3’ UTR (N	2122	NM_002228	3725	Hs.696684	NM_002228	ENSG00000	JUN	AP-1|AP1|	Jun proto	protein-coding
chr2-4657	9.665978	-0.77814	0.664282	-1.17141	0.241436	0.59423	chr2	46576755	46577164	+	0	NA	intron (N	intron (N	3279	NR_104182	1.01E+08	Hs.658541	NR_104182	ENSG00000	LOC100506	-	uncharact	ncRNA
chr3-1566	9.665978	-0.77814	0.664282	-1.17141	0.241436	0.59423	chr3	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	20414	NM_001184	25976	Hs.744050	NM_015508	ENSG00000	TIPARP	ARTD14|PA	TCDD indu	protein-coding
chr1-2352	9.695159	-0.78184	0.667593	-1.17113	0.241547	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	67870	NM_001206	51742	Hs.575782	NM_016374	ENSG00000	ARID4B	BCAA|BRCA	AT-rich i	protein-coding
chr1-1097	9.155347	-0.80868	0.694119	-1.16504	0.244001	0.59423	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	3763	NM_000849	2947	Hs.2006	NM_000849	ENSG00000	GSTM3	GST5|GSTB	glutathio	protein-coding
chr19-123	9.155347	-0.80868	0.694119	-1.16504	0.244001	0.59423	chr19	12387598	12394006	+	0	NA	exon (NM_	exon (NM_	10178	NM_001322	90576	Hs.546637	NM_203381	ENSG00000	ZNF799	HIT-40|ZN	zinc fing	protein-coding
chr4-4787	9.155347	-0.80868	0.694119	-1.16504	0.244001	0.59423	chr4	47872057	47875876	+	0	NA	intron (N	Tigger1|D	-35860	NM_001278	10699	Hs.518618	NM_006587	ENSG00000	CORIN	ATC2|CRN|	corin, se	protein-coding
chr1-2089	9.169937	-0.8107	0.696029	-1.16475	0.244122	0.59423	chr1	20892097	20893860	+	0	NA	intron (N	AluJr|SIN	95454	NR_031657	1E+08		NR_031657	ENSG00000	MIR1256	MIRN1256|	microRNA	ncRNA
chr6-1573	28.20679	-0.34639	0.297504	-1.16433	0.244289	0.59423	chr6	1.57E+08	1.57E+08	+	0	NA	intron (N	intron (N	12351	NM_018452	729515	Hs.157212	NM_018452	ENSG00000	TMEM242	BM033|C6o	transmemb	protein-coding
chr1-1627	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	-34669	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-2354	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	L1MEf|LIN	21171	NM_001277	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr17-750	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr17	75038296	75042517	+	0	NA	intron (N	MIR3|SINE	6563	NM_001003	10476	Hs.514465	NM_006356	ENSG00000	ATP5PD	APT5H|ATP	ATP synth	protein-coding
chr19-172	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr19	17298056	17298791	+	0	NA	intron (N	intron (N	5002	NM_024527	79575	Hs.515664	NM_024527	ENSG00000	ABHD8	-	abhydrola	protein-coding
chr6-3166	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr6	31667001	31673979	+	0	NA	promoter-	promoter-	-461	NM_021221	58496	Hs.708719	NM_021221	ENSG00000	LY6G5B	C6orf19|C	lymphocyt	protein-coding
chr7-9888	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr7	98881291	98884338	+	0	NA	TTS (NR_1	TTS (NR_1	1117	NR_132754	1.07E+08		NR_132754		SCARNA28	ZL1	small Caj	ncRNA
chr8-3038	9.140756	-0.80669	0.694255	-1.16194	0.245258	0.59423	chr8	30385995	30387635	+	0	NA	intron (N	intron (N	-1414	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chr1-2063	9.167729	-0.80617	0.694037	-1.16157	0.245412	0.59423	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	-75288	NM_001193	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr10-151	9.167729	-0.80617	0.694037	-1.16157	0.245412	0.59423	chr10	15132151	15135571	+	0	NA	intron (N	AluJr|SIN	21486	NR_036506	1E+08	Hs.714691	NR_036506	ENSG00000	PPIAP30	-	peptidylp	pseudo
chr2-1890	9.167729	-0.80617	0.694037	-1.16157	0.245412	0.59423	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	59960	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr21-465	9.167729	-0.80617	0.694037	-1.16157	0.245412	0.59423	chr21	46570165	46573385	+	0	NA	TTS (NM_0	TTS (NM_0	33307	NM_006272	6285	Hs.422181	NM_006272	ENSG00000	S100B	NEF|S100|	S100 calc	protein-coding
chr6-3147	9.167729	-0.80617	0.694037	-1.16157	0.245412	0.59423	chr6	3147155	3148397	+	0	NA	intron (N	MLT2B4|LT	9768	NM_001310	7280	Hs.654543	NM_001069	ENSG00000	TUBB2A	CDCBM5|TU	tubulin b	protein-coding
chr1-2850	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	28506482	28511434	+	0	NA	TTS (NR_0	TTS (NR_0	400	NR_004404	26768		NR_004404	ENSG00000	SNORA73B	105A|E1c|	small nuc	snoRNA
chr1-4338	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	43382423	43388547	+	0	NA	intron (N	intron (N	4315	NM_052877	112950	Hs.301756	NM_052877	ENSG00000	MED8	ARC32	mediator	protein-coding
chr1-1002	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1E+08	1E+08	+	0	NA	intron (N	AluYm1|SI	5060	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr1-1093	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	AluJr|SIN	-25460	NM_001265	343263	Hs.443402	NM_001010	ENSG00000	MYBPHL	-	myosin bi	protein-coding
chr1-1444	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	17754	NR_104076	1.02E+08		NR_104076	ENSG00000	RNVU1-15	RNU1-121|	RNA, vari	snRNA
chr1-1509	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	HAL1|LINE	20170	NM_022075	29956	Hs.744017	NM_013384	ENSG00000	CERS2	L3|LASS2|	ceramide	protein-coding
chr1-1715	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1.72E+08	1.72E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-26863	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-1930	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	L1MB4|LIN	-20828	NM_001350	51377	Hs.145469	NM_015984	ENSG00000	UCHL5	CGI-70|IN	ubiquitin	protein-coding
chr10-103	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	AluY|SINE	4551	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5’-nucleo	protein-coding
chr11-596	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr11	59604490	59610647	+	0	NA	intron (N	intron (N	8206	NM_002556	5007	Hs.597091	NM_002556	ENSG00000	OSBP	OSBP1	oxysterol	protein-coding
chr12-656	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr12	6569236	6605076	+	0	NA	intron (N	L4_C_Mam|	-5547	NR_003012	677780	Hs.689692	NR_003012	ENSG00000	SCARNA11	ACA57	small Caj	ncRNA
chr12-911	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr12	91149887	91153845	+	0	NA	intron (N	intron (N	26780	NM_133506	1634	Hs.156316	NM_001920	ENSG00000	DCN	CSCD|DSPC	decorin	protein-coding
chr12-110	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	59764	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr12-118	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	L2b|LINE|	14592	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr13-238	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr13	23822414	23825911	+	0	NA	intron (N	intron (N	-64706	NM_001014	542767	Hs.642624	NM_001014442		PCOTH	C1QTNF9B-	Pro-X-Gly	protein-coding
chr14-213	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr14	21388579	21432333	+	0	NA	intron (N	intron (N	-13055	NR_002916	319103	Hs.680078	NR_002916	ENSG00000	SNORD8	RNU6C|mgU	small nuc	snoRNA
chr14-617	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr14	61719749	61751315	+	0	NA	intron (N	L2c|LINE|	13557	NR_045406	1.01E+08	Hs.597216	NR_045406		HIF1A-AS2	3’aHIF-1A	HIF1A ant	ncRNA
chr17-286	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr17	28632827	28643788	+	0	NA	TTS (NM_0	TTS (NM_0	6851	NM_014680	9703	Hs.151761	NM_014680	ENSG00000	KIAA0100	BCOX|BCOX	KIAA0100	protein-coding
chr17-286	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr17	28669338	28706060	+	0	NA	intron (N	AluSx|SIN	22405	NM_001366	147011	Hs.207471	NM_152465	ENSG00000	PROCA1	-	protein i	protein-coding
chr17-302	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr17	30284428	30287939	+	0	NA	intron (N	intron (N	5761	NM_000386	642	Hs.371914	NM_000386	ENSG00000	BLMH	BH|BMH	bleomycin	protein-coding
chr17-685	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr17	68521217	68533957	+	0	NA	intron (N	intron (N	12193	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr2-2413	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	AluSz|SIN	-8454	NM_001282	9855	Hs.726316	NM_014808	ENSG00000	FARP2	FIR|FRG|F	FERM, ARH	protein-coding
chr3-7573	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr3	75730498	75735380	+	0	NA	intron (N	L1MCa|LIN	-5341	NR_036235	1E+08		NR_036235	ENSG00000	MIR4273	-	microRNA	ncRNA
chr5-3480	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr5	34807534	34834647	+	0	NA	intron (N	L2|LINE|L	-18074	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr5-1360	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr5	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	12109	NM_000358	7045	Hs.369397	NM_000358	ENSG00000	TGFBI	BIGH3|CDB	transform	protein-coding
chr5-1798	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJb|SIN	8918	NM_003900	8878	Hs.587290	NM_003900	ENSG00000	SQSTM1	A170|DMRV	sequestos	protein-coding
chr8-1022	9.153139	-0.80417	0.694174	-1.15846	0.246676	0.59423	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	17330	NM_001172	50484	Hs.512592	NM_015713	ENSG00000	RRM2B	MTDPS8A|M	ribonucle	protein-coding
chr7-7518	11.92299	-0.63213	0.546771	-1.15612	0.247631	0.59423	chr7	75184983	75185868	+	0	NA	TTS (NR_0	TTS (NR_0	-13427	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr1-2357	9.126166	-0.80468	0.696438	-1.15543	0.247916	0.59423	chr1	2.36E+08	2.36E+08	+	0	NA	intron (N	intron (N	-51917	NM_001098	2786	Hs.159711	NM_004485	ENSG00000	GNG4	-	G protein	protein-coding
chr17-724	9.126166	-0.80468	0.696438	-1.15543	0.247916	0.59423	chr17	7240311	7241166	+	0	NA	3’ UTR (N	3’ UTR (N	-1281	NM_001284	79142	Hs.644724	NM_024297	ENSG00000	PHF23	hJUNE-1b	PHD finge	protein-coding
chr7-6469	9.126166	-0.80468	0.696438	-1.15543	0.247916	0.59423	chr7	64699641	64700206	+	0	NA	intron (N	AluY|SINE	20859	NR_106898	1.02E+08		NR_106898	ENSG00000	MIR6839	hsa-mir-6	microRNA	ncRNA
chr15-632	8.669481	-0.83773	0.725136	-1.15528	0.247978	0.59423	chr15	63279301	63281149	+	0	NA	intron (N	intron (N	2620	NM_031301	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PR	aph-1 hom	protein-coding
chr15-635	8.669481	-0.83773	0.725136	-1.15528	0.247978	0.59423	chr15	63546580	63546836	+	0	NA	intron (N	AluY|SINE	42115	NR_046341	9960	Hs.458499	NM_006537	ENSG00000	USP3	SIH003|UE	ubiquitin	protein-coding
chr7-7489	8.669481	-0.83773	0.725136	-1.15528	0.247978	0.59423	chr7	74897471	74899904	+	0	NA	intron (N	L1ME4a|LI	7919	NR_027776	5383	Hs.292996	NM_174930		PMS2P5	PMS2L5|PM	PMS1 homo	pseudo
chr6-3586	8.642508	-0.83833	0.725783	-1.15507	0.24806	0.59423	chr6	35869110	35870508	+	0	NA	non-codin	non-codin	51289	NM_003137	6732	Hs.443861	NM_003137	ENSG00000	SRPK1	SFRSK1	SRSF prot	protein-coding
chr9-1278	8.642508	-0.83833	0.725783	-1.15507	0.24806	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	6456	NM_001287	30815	Hs.109672	NM_013443	ENSG00000	ST6GALNAC	SIAT7-F|S	ST6 N-ace	protein-coding
chr1-1040	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	10400808	10421575	+	0	NA	intron (N	intron (N	12127	NM_001304	5226	Hs.464071	NM_002631	ENSG00000	PGD	6PGD	phosphogl	protein-coding
chr1-6668	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	66687054	66695928	+	0	NA	intron (N	Helitron3	-60968	NM_152665	200132	Hs.479226	NM_152665	ENSG00000	TCTEX1D1	-	Tctex1 do	protein-coding
chr1-1204	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-59260	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1504	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	-15553	NM_025150	80222	Hs.288974	NM_025150	ENSG00000	TARS2	COXPD21|T	threonyl-	protein-coding
chr1-1537	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	(TG)n|Sim	16011	NM_023015	65123	Hs.438723	NM_023015	ENSG00000	INTS3	C1orf193|	integrato	protein-coding
chr1-1564	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	22122	NM_001271	4209	Hs.314327	NM_005920	ENSG00000	MEF2D	-	myocyte e	protein-coding
chr1-1835	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	41614	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr1-1851	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	HAL1|LINE	26251	NM_030934	81627	Hs.107149	NM_030934	ENSG00000	TRMT1L	C1orf25|M	tRNA meth	protein-coding
chr1-2241	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	non-codin	non-codin	-25298	NM_003676	8560	Hs.299878	NM_003676	ENSG00000	DEGS1	DEGS|DEGS	delta 4-d	protein-coding
chr11-119	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	6682	NM_006389	10525	Hs.277704	NM_006389	ENSG00000	HYOU1	GRP-170|C	hypoxia u	protein-coding
chr15-496	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr15	49628233	49640951	+	0	NA	exon (NM_	exon (NM_	13544	NM_020234	56986	Hs.127432	NM_020234	ENSG00000	DTWD1	MDS009	DTW domai	protein-coding
chr15-929	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr15	92991641	93029035	+	0	NA	intron (N	L1PB1|LIN	62818	NM_001166	56963	Hs.271277	NM_020211	ENSG00000	RGMA	RGM	repulsive	protein-coding
chr16-188	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr16	18827139	18838308	+	0	NA	intron (N	L1MD2|LIN	-31174	NM_015161	23204	Hs.634882	NM_015161	ENSG00000	ARL6IP1	AIP1|ARL6	ADP ribos	protein-coding
chr16-668	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr16	66815519	66822518	+	0	NA	intron (N	intron (N	11958	NM_003905	8883	Hs.460978	NM_003905	ENSG00000	NAE1	A-116A10.	NEDD8 act	protein-coding
chr17-803	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr17	80316004	80350231	+	0	NA	intron (N	AluY|SINE	72265	NM_020954	57674	Hs.195642	NM_020914	ENSG00000	RNF213	AL017|C17	ring fing	protein-coding
chr19-160	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr19	16080143	16104809	+	0	NA	intron (N	intron (N	15460	NM_001367	7171	Hs.631618	NM_003290	ENSG00000	TPM4	HEL-S-108	tropomyos	protein-coding
chr2-4636	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr2	46365497	46389423	+	0	NA	intron (N	intron (N	16707	NR_146999	1.05E+08	Hs.570163	NR_146999	ENSG00000	LINC01820	-	long inte	ncRNA

chr2-1891	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	23305	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr2-2312	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	36985	NM_001291	80210	Hs.162411	NM_025139	ENSG00000	ARMC9	ARM|JBTS3	armadillo	protein-coding
chr22-302	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr22	30240178	30246086	+	0	NA	3’ UTR (N	3’ UTR (N	-3078	NR_148946	91370	Hs.658999	NM_052856	ENSG00000	LOC91370	-	uncharact	ncRNA
chr22-352	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr22	35286444	35290946	+	0	NA	intron (N	intron (N	-10580	NM_001135	10043	Hs.474705	NM_005488	ENSG00000	TOM1	-	target of	protein-coding
chr3-1723	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	68626	NM_198407	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr5-3479	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr5	34795751	34806432	+	0	NA	intron (N	intron (N	-38073	NM_144725	153657	Hs.435742	NM_144725	ENSG00000	TTC23L	MC25-1	tetratric	protein-coding
chr7-1385	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	95123	NM_015905	8805	Hs.490287	NM_003852	ENSG00000	TRIM24	PTC6|RNF8	tripartit	protein-coding
chr8-3069	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr8	30690500	30693305	+	0	NA	intron (N	AluJb|SIN	-33666	NM_002095	2961	Hs.77100	NM_002095	ENSG00000	GTF2E2	FE|TF2E2|	general t	protein-coding
chr8-1177	8.65489	-0.83558	0.724076	-1.15399	0.248504	0.59423	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	Tigger3a|	118349	NR_145799	1.1E+08		NR_145799		SNORD168	-	small nuc	snoRNA
chr1-1558	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	exon (NM_	exon (NM_	21842	NM_152280	23208	Hs.32984	NM_152280	ENSG00000	SYT11	SYT12|syt	synaptota	protein-coding
chr1-2064	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	AluJo|SIN	-19436	NM_001193	9641	Hs.321045	NM_014002	ENSG00000	IKBKE	IKK-E|IKK	inhibitor	protein-coding
chr10-294	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr10	29468948	29470746	+	0	NA	TTS (NR_1	TTS (NR_1	59604	NR_110928	1.03E+08	Hs.499209	NR_003930	ENSG00000	SVIL-AS1	-	SVIL anti	ncRNA
chr10-102	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	MER102a|D	17634	NM_005736	10121	Hs.153961	NM_005736	ENSG00000	ACTR1A	ARP1|Arp1	actin rel	protein-coding
chr13-110	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	31312	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr19-447	8.156642	-0.87115	0.754963	-1.1539	0.248543	0.59423	chr19	44749896	44752989	+	0	NA	intron (N	intron (N	2734	NM_005178	602	Hs.31210	NM_005178	ENSG00000	BCL3	BCL4|D19S	BCL3 tran	protein-coding
chr16-667	9.609824	-0.77479	0.671991	-1.15297	0.248923	0.59423	chr16	66739779	66740001	+	0	NA	intron (N	intron (N	11719	NM_006141	1783	Hs.369068	NM_006141	ENSG00000	DYNC1LI2	DNCLI2|LI	dynein cy	protein-coding
chr20-198	8.144259	-0.8742	0.75882	-1.15205	0.249302	0.59423	chr20	19819067	19819426	+	0	NA	Intergeni	MLT1A|LTR	-67275	NM_001242	54453	Hs.472270	NM_018993	ENSG00000	RIN2	MACS|RASS	Ras and R	protein-coding
chr1-1988	9.138549	-0.80215	0.69636	-1.15193	0.249352	0.59423	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	intron (N	38283	NR_040073	1E+08	Hs.711077	NR_040073		MIR181A1H	-	MIR181A1	ncRNA
chr4-8281	9.138549	-0.80215	0.69636	-1.15193	0.249352	0.59423	chr4	82817126	82833490	+	0	NA	intron (N	L2c|LINE|	-26451	NM_024906	79966	Hs.379191	NM_024906	ENSG00000	SCD5	ACOD4|FAD	stearoyl-	protein-coding
chr1-1502	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr1	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	7743	NM_018997	54460	Hs.405880	NM_018997	ENSG00000	MRPS21	MDS016|MR	mitochond	protein-coding
chr1-1513	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	-2356	NR_131972	1.02E+08	Hs.634042	NR_131972		GBAT2	-	glioblast	ncRNA
chr1-1788	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L2a|LINE|	33871	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr10-587	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr10	5876109	5888211	+	0	NA	intron (N	intron (N	-7412	NM_001258	84893	Hs.498543	NM_032807	ENSG00000	FBH1	FBXO18|Fb	F-box DNA	protein-coding
chr11-722	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr11	72227101	72238527	+	0	NA	intron (N	intron (N	8047	NM_001567	3636	Hs.523875	NM_001567	ENSG00000	INPPL1	OPSMD|SHI	inositol	protein-coding
chr11-123	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	MLT1F2|LT	-53944	NM_153201	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr12-490	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr12	49001318	49005815	+	0	NA	exon (NM_	exon (NM_	-4191	NM_015086	23109	Hs.591044	NM_015086	ENSG00000	DDN	-	dendrin	protein-coding
chr13-304	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr13	30460445	30462691	+	0	NA	3’ UTR (N	3’ UTR (N	2759	NM_001313	3146	Hs.434102	NM_002128	ENSG00000	HMGB1	HMG-1|HMG	high mobi	protein-coding
chr16-446	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr16	4468453	4469588	+	0	NA	intron (N	intron (N	5605	NM_001351	57407	Hs.288969	NM_020677	ENSG00000	NMRAL1	HSCARG|SD	NmrA like	protein-coding
chr17-500	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr17	50075689	50085524	+	0	NA	intron (N	L2c|LINE|	-14131	NM_001199	5164	Hs.256667	NM_002611	ENSG00000	PDK2	PDHK2|PDK	pyruvate	protein-coding
chr19-102	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr19	1029787	1038974	+	0	NA	intron (N	CpG	-5723	NM_019112	10347	Hs.134514	NM_019112	ENSG00000	ABCA7	ABCA-SSN|	ATP bindi	protein-coding
chr2-1331	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L1P1|LINE	-164770	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 ar	ncRNA
chr3-4910	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr3	49108066	49118903	+	0	NA	intron (N	AluSc8|SI	7454	NM_001351	10869	Hs.255596	NM_006677	ENSG00000	USP19	ZMYND9	ubiquitin	protein-coding
chr3-9984	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr3	99847608	99851292	+	0	NA	exon (NM_	exon (NM_	-25585	NR_110821	1.02E+08	Hs.741615	NR_110821		HP09053	-	uncharact	ncRNA
chr4-5416	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr4	5416740	5418635	+	0	NA	intron (N	HAL1M8|LI	-106882	NR_126519	10141	Hs.177972	NM_005750	ENSG00000	LINC01587	C4orf6|aC	long inte	ncRNA
chr5-1511	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	MADE1|DNA	8808	NM_001193	309	Hs.412117	NM_001155	ENSG00000	ANXA6	ANX6|CBP6	annexin A	protein-coding
chr8-1447	8.142051	-0.86884	0.754965	-1.15083	0.249801	0.59423	chr8	1.45E+08	1.45E+08	+	0	NA	intron (N	LTR14B|LT	7993	NM_030580	80778	Hs.631854	NM_030580	ENSG00000	ZNF34	KOX32	zinc fing	protein-coding
chr10-579	9.165522	-0.80162	0.697026	-1.15006	0.25012	0.59423	chr10	5795457	5797291	+	0	NA	intron (N	intron (N	17060	NM_001494	2665	Hs.299055	NM_001494	ENSG00000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr10-933	9.165522	-0.80162	0.697026	-1.15006	0.25012	0.59423	chr10	93354606	93357032	+	0	NA	intron (N	intron (N	126515	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr1-1544	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-36904	NR_147855	1.02E+08	Hs.617089	NR_147855	ENSG00000	IL6R-AS1	-	IL6R anti	ncRNA
chr1-1787	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	Tigger2|D	72493	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr14-962	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr14	96258335	96259977	+	0	NA	intron (N	BLACKJACK	2946	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1R	bradykini	protein-coding
chr2-1021	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr2	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	3384	NM_000877	3554	Hs.701982	NM_000877	ENSG00000	IL1R1	CD121A|D2	interleuk	protein-coding
chr3-1723	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	115626	NM_198407	2693	Hs.130212	NM_004122	ENSG00000	GHSR	GHDP	growth ho	protein-coding
chr5-1666	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr5	16665381	16669340	+	0	NA	intron (N	intron (N	-50302	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr8-1334	8.169024	-0.86815	0.75499	-1.14989	0.25019	0.59423	chr8	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	108557	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr1-4054	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr1	40544123	40547591	+	0	NA	intron (N	intron (N	14220	NM_152373	127396	Hs.524767	NM_152373	ENSG00000	ZNF684	-	zinc fing	protein-coding
chr1-1502	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr1	1.5E+08	1.5E+08	+	0	NA	non-codin	non-codin	2688	NM_001077	51107	Hs.108408	NM_016022	ENSG00000	APH1A	6530402NO	aph-1 hom	protein-coding
chr1-1537	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-2509	NR_145826	11000	Hs.438723	NM_024330	ENSG00000	SLC27A3	ACSVL3|FA	solute ca	protein-coding
chr14-748	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr14	74887439	74904735	+	0	NA	intron (N	AluJo|SIN	14171	NM_001244	1743	Hs.525459	NM_001933	ENSG00000	DLST	DLTS	dihydroli	protein-coding
chr15-603	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr15	60344708	60349745	+	0	NA	TTS (NM_0	TTS (NM_0	50760	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr15-641	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr15	64134201	64139077	+	0	NA	intron (N	intron (N	-15092	NM_024798	79856	Hs.744250	NM_024798	ENSG00000	SNX22	-	sorting n	protein-coding
chr15-746	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr15	74619275	74631285	+	0	NA	intron (N	intron (N	10286	NM_001130	1198	Hs.511790	NM_001292	ENSG00000	CLK3	PHCLK3|PH	CDC like	protein-coding
chr19-406	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr19	40666802	40684294	+	0	NA	intron (N	intron (N	14616	NM_001289	9253	Hs.326953	NM_004756	ENSG00000	NUMBL	CAG3A|CTG	NUMB like	protein-coding
chr7-1288	8.6403	-0.83342	0.725293	-1.14908	0.250522	0.59423	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	15139	NM_001458	2318	Hs.58414	NM_001458	ENSG00000	FLNC	ABP-280|A	filamin C	protein-coding
chr15-446	8.129669	-0.87187	0.75882	-1.14898	0.250565	0.59423	chr15	44607349	44608774	+	0	NA	intron (N	LTR33A|LT	55601	NM_001160	80208	Hs.656271	NM_025137	ENSG00000	SPG11	ALS5|CMT2	SPG11 ves	protein-coding
chr15-992	8.129669	-0.87187	0.75882	-1.14898	0.250565	0.59423	chr15	99217725	99219000	+	0	NA	intron (N	intron (N	31219	NM_001288	64927	Hs.513195	NM_022905	ENSG00000	TTC23	HCC-8	tetratric	protein-coding
chr1-1512	8.681863	-0.83497	0.726784	-1.14886	0.250614	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	5’ UTR (N	5’ UTR (N	3054	NM_020832	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr3-1236	8.681863	-0.83497	0.726784	-1.14886	0.250614	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	-12765	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr2-1098	8.185823	-0.87589	0.762688	-1.14843	0.250792	0.59423	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	34358	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr11-116	8.667273	-0.83282	0.72572	-1.14758	0.251144	0.59423	chr11	1.17E+08	1.17E+08	+	0	NA	intron (N	intron (N	-32060	NM_000039	335	Hs.93194	NM_000039	ENSG00000	APOA1	apo(a)	apolipopr	protein-coding
chr2-1745	8.667273	-0.83282	0.72572	-1.14758	0.251144	0.59423	chr2	1.75E+08	1.75E+08	+	0	NA	exon (NM_	exon (NM_	-13611	NR_125730	1.04E+08		NR_125730	ENSG00000	RNU6-2	U6-2	RNA, U6 s	snRNA
chr2-1890	8.667273	-0.83282	0.72572	-1.14758	0.251144	0.59423	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	54194	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr4-1196	8.667273	-0.83282	0.72572	-1.14758	0.251144	0.59423	chr4	1.2E+08	1.2E+08	+	0	NA	intron (N	Tigger18a	15850	NM_033430	8654	Hs.647971	NM_001083	ENSG00000	PDE5A	CGB-PDE|C	phosphodi	protein-coding
chr1-3282	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	32826017	32833659	+	0	NA	intron (N	intron (N	4525	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bin	protein-coding
chr1-5509	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	55092537	55098453	+	0	NA	intron (N	intron (N	55273	NR_110451	255738	Hs.18844	NM_174936	ENSG00000	PCSK9	FH3|HCHOL	proprotei	protein-coding
chr1-6663	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	66638267	66646072	+	0	NA	intron (N	L2b|LINE|	13729	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1504	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	1.5E+08	1.51E+08	+	0	NA	intron (N	intron (N	3793	NR_106938	1.02E+08		NR_106938	ENSG00000	MIR6878	hsa-mir-6	microRNA	ncRNA
chr1-1553	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	1.55E+08	1.55E+08	+	0	NA	promoter-	promoter-	-672	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-1717	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	14712	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr1-2354	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	intron (N	26428	NM_001277	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr10-271	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr10	27107530	27123800	+	0	NA	intron (N	intron (N	-15167	NM_014915	22852	Hs.361041	NM_014915	ENSG00000	ANKRD26	THC2|bA14	ankyrin r	protein-coding
chr11-720	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr11	72002965	72024668	+	0	NA	promoter-	promoter-	-475	NR_104178	1E+08	Hs.713607	NR_104178	ENSG00000	LOC100128	-	uncharact	ncRNA
chr12-632	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr12	6326730	6335275	+	0	NA	intron (N	intron (N	11074	NM_001346	7132	Hs.279594	NM_001065	ENSG00000	TNFRSF1A	CD120a|FP	TNF recep	protein-coding
chr12-501	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr12	50176047	50182171	+	0	NA	intron (N	AluSz6|SI	-11576	NM_001281	91012	Hs.270525	NM_147190	ENSG00000	CERS5	LASS5|Trh	ceramide	protein-coding
chr14-497	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr14	49793471	49803880	+	0	NA	intron (N	AluY|SINE	30522	NM_014315	23588	Hs.509264	NM_014315	ENSG00000	KLHDC2	HCLP-1|HC	kelch dom	protein-coding
chr14-757	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr14	75776841	75777040	+	0	NA	intron (N	intron (N	115694	NM_015072	23093	Hs.709609	NM_015072	ENSG00000	TTLL5	CORD19|KI	tubulin t	protein-coding
chr15-484	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr15	48450409	48458232	+	0	NA	intron (N	intron (N	122123	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr15-889	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr15	88901681	88912049	+	0	NA	intron (N	intron (N	6303	NM_001310	4240	Hs.3745	NM_005928	ENSG00000	MFGE8	BA46|EDIL	milk fat	protein-coding
chr16-209	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr16	2096336	2104625	+	0	NA	exon (NM_	exon (NM_	6268	NR_106965	1.02E+08		NR_106965	ENSG00000	MIR6511B2	MIR6511B-	microRNA	ncRNA
chr16-298	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr16	29830002	29849085	+	0	NA	intron (N	AluJb|SIN	9028	NM_001293	9961	Hs.632177	NM_005115	ENSG00000	MVP	LRP|VAULT	major vau	protein-coding
chr17-130	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr17	13007359	13016845	+	0	NA	intron (N	intron (N	5925	NM_018127	60528	Hs.434232	NM_018127	ENSG00000	ELAC2	COXPD17|E	elaC ribo	protein-coding
chr17-283	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr17	28359022	28364162	+	0	NA	TTS (NR_0	TTS (NR_0	938	NR_039875	1.01E+08		NR_039875	ENSG00000	MIR4723	mir-4723	microRNA	ncRNA
chr17-426	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr17	42661508	42667052	+	0	NA	intron (N	AluJr|SIN	4996	NM_016437	27175	Hs.279669	NM_016437	ENSG00000	TUBG2	-	tubulin g	protein-coding
chr19-181	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr19	18161696	18164349	+	0	NA	exon (NM_	exon (NM_	9859	NM_005027	5296	Hs.371344	NM_005027	ENSG00000	PIK3R2	MPPH|MPPH	phosphoin	protein-coding
chr19-407	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr19	40757456	40767835	+	0	NA	intron (N	AluJb|SIN	11442	NM_004596	6626	Hs.466775	NM_004596	ENSG00000	SNRPA	Mud1|U1-A	small nuc	protein-coding
chr19-438	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr19	43872412	43874627	+	0	NA	exon (NM_	exon (NM_	6617	NM_001033	342908	Hs.76561	NM_001033	ENSG00000	ZNF404	-	zinc fing	protein-coding
chr2-3248	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr2	32485804	32492684	+	0	NA	intron (N	intron (N	-42909	NR_030285	693143		NR_030285	ENSG00000	MIR558	MIRN558|h	microRNA	ncRNA
chr2-3951	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr2	39516303	39522986	+	0	NA	intron (N	intron (N	82228	NR_037875	728730	Hs.655344	NR_037875	ENSG00000	MAP4K3-DT	-	MAP4K3 di	ncRNA
chr2-4660	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr2	46608109	46612055	+	0	NA	intron (N	Tigger9b|	6959	NM_173074	5281	Hs.468415	NM_002643	ENSG00000	PIGF	-	phosphati	protein-coding
chr2-7246	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr2	72460747	72466171	+	0	NA	intron (N	L1MEg1|LI	-315597	NM_019885	56603	Hs.91546	NM_019885	ENSG00000	CYP26B1	CYP26A2|P	cytochrom	protein-coding
chr2-1123	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	AluSx1|SI	36353	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr3-4856	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr3	48566519	48593694	+	0	NA	intron (N	intron (N	-1129	NR_031756	1E+08		NR_031756	ENSG00000	MIR711	hsa-mir-7	microRNA	ncRNA
chr3-5245	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr3	52456980	52461785	+	0	NA	intron (N	L1MC|LINE	3778	NM_001276	11188	Hs.435290	NM_007184	ENSG00000	NISCH	I-1|IR1|I	nischarin	protein-coding
chr3-1237	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	43808	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr3-1856	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	-42019	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr5-1448	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr5	14487108	14504231	+	0	NA	intron (N	Tigger1|D	31686	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-9359	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr5	93593463	93595725	+	0	NA	TTS (NM_0	TTS (NM_0	11372	NM_005654	7025	Hs.519445	NM_005654	ENSG00000	NR2F1	BBOAS|BBS	nuclear r	protein-coding
chr5-9594	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr5	95948890	95961057	+	0	NA	intron (N	intron (N	6878	NM_012081	22936	Hs.192221	NM_012081	ENSG00000	ELL2	MRCCAT1	elongatio	protein-coding
chr5-1772	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr5	1.77E+08	1.77E+08	+	0	NA	exon (NM_	exon (NM_	76439	NM_001365	64324	Hs.106861	NM_022455	ENSG00000	NSD1	ARA267|KM	nuclear r	protein-coding
chr9-3297	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr9	32973037	32973683	+	0	NA	non-codin	non-codin	28216	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr9-3346	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr9	33462455	33472443	+	0	NA	TTS (NR_1	TTS (NR_1	486	NR_106910	1.02E+08		NR_106910	ENSG00000	MIR6851	hsa-mir-6	microRNA	ncRNA
chr9-1104	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	97266	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|C	sushi, vo	protein-coding
chr9-1228	8.154434	-0.86584	0.754994	-1.14682	0.251456	0.59423	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	-2119	NR_003071	692206	Hs.693253	NR_003071	ENSG00000	SNORD90	HBII-295	small nuc	snoRNA
chr2-1098	8.198205	-0.87284	0.762714	-1.14438	0.252464	0.59423	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	19585	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr10-119	8.127461	-0.86652	0.75751	-1.14391	0.252663	0.59423	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	49943	NR_039829	1.01E+08		NR_039829	ENSG00000	MIR4681	-	microRNA	ncRNA
chr11-778	8.127461	-0.86652	0.75751	-1.14391	0.252663	0.59423	chr11	77840619	77841774	+	0	NA	promoter-	promoter-	58	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr7-7536	11.86242	-0.62445	0.546266	-1.14312	0.252987	0.59423	chr7	75367701	75368915	+	0	NA	TTS (NR_0	TTS (NR_0	9108	NR_040583	54441	Hs.632310	NM_018991		STAG3L1	STAG3L1P|	stromal a	pseudo
chr10-119	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr10	1.2E+08	1.2E+08	+	0	NA	intron (N	L1MC4|LIN	22436	NM_004281	9531	Hs.523309	NM_004281	ENSG00000	BAG3	BAG-3|BIS	BCL2 asso	protein-coding
chr12-797	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr12	79795250	79798262	+	0	NA	intron (N	intron (N	-105659	NM_001354	5074	Hs.643130	NM_002583	ENSG00000	PAWR	PAR4|Par-	pro-apopt	protein-coding
chr17-645	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr17	64542799	64556203	+	0	NA	intron (N	AluSx|SIN	42524	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr2-1676	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr2	1676254	1680588	+	0	NA	intron (N	L1MB8|LIN	66094	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COR	peroxidas	protein-coding
chr3-4782	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr3	47826558	47832936	+	0	NA	intron (N	intron (N	-19808	NR_031595	1E+08		NR_031595	ENSG00000	MIR1226	MIRN1226|	microRNA	ncRNA
chr7-7519	8.652683	-0.83065	0.726947	-1.14265	0.253184	0.59423	chr7	75193308	75194466	+	0	NA	intron (N	intron (N	-21889	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr2-2009	8.62571	-0.83123	0.728833	-1.1405	0.254079	0.59423	chr2	2.01E+08	2.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-17566	NM_006190	4999	Hs.444870	NM_006190	ENSG00000	ORC2	ORC2L	origin re	protein-coding
chr17-296	8.139844	-0.8635	0.757543	-1.13987	0.254339	0.59423	chr17	29683707	29684488	+	0	NA	intron (N	intron (N	-62674	NM_032854	84940	Hs.143046	NM_032854	ENSG00000	CORO6	-	coronin 6	protein-coding
chr19-556	8.139844	-0.8635	0.757543	-1.13987	0.254339	0.59423	chr19	55678301	55679686	+	0	NA	intron (N	intron (N	2368	NM_001130	29924	Hs.279953	NM_013333	ENSG00000	EPN1	-	epsin 1	protein-coding
chr3-1238	8.139844	-0.8635	0.757543	-1.13987	0.254339	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	MLT1G|LTR	18445	NM_053028	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr9-1110	8.139844	-0.8635	0.757543	-1.13987	0.254339	0.59423	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1PA7|LIN	9639	NM_001351	1902	Hs.126667	NM_001401	ENSG00000	LPAR1	EDG2|GPR2	lysophosp	protein-coding
chr1-1838	8.166817	-0.86279	0.758916	-1.13687	0.255594	0.59423	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	79187	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr12-122	8.166817	-0.86279	0.758916	-1.13687	0.255594	0.59423	chr12	1.23E+08	1.23E+08	+	0	NA	exon (NM_	exon (NM_	6433	NM_203444	23457	Hs.511951	NM_019624	ENSG00000	ABCB9	EST122234	ATP bindi	protein-coding
chr2-1604	8.166817	-0.86279	0.758916	-1.13687	0.255594	0.59423	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-23242	NR_039946	1.01E+08		NR_039946	ENSG00000	MIR4785	mir-4785	microRNA	ncRNA
chr8-9916	8.166817	-0.86279	0.758916	-1.13687	0.255594	0.59423	chr8	99165988	99166925	+	0	NA	intron (N	MER58D|DN	153190	NM_152564	157680	Hs.191540	NM_015243	ENSG00000	VPS13B	CHS1|COH1	vacuolar	protein-coding
chr3-1559	8.679656	-0.82998	0.730853	-1.13563	0.256112	0.59423	chr3	15598801	15599240	+	0	NA	intron (N	intron (N	-2332	NM_001281	686	Hs.444197	NM_001281	ENSG00000	BTD	-	biotinida	protein-coding

chr1-1512	8.112871	-0.86415	0.762708	-1.13301	0.25721	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	LTR12C|LT	-8548	NM_001304	57592	Hs.186756	NM_020832	ENSG00000	ZNF687	PDB6	zinc fing	protein-coding
chr19-975	11.36638	-0.64223	0.566998	-1.13269	0.257345	0.59423	chr19	9755033	9765202	+	0	NA	intron (N	AluSx|SIN	8621	NM_001353	162993	Hs.665717	NM_001077	ENSG00000	ZNF846	-	zinc fing	protein-coding
chr19-372	11.36638	-0.64223	0.566998	-1.13269	0.257345	0.59423	chr19	37219241	37246627	+	0	NA	intron (N	intron (N	6470	NM_152604	163087	Hs.590975	NM_152604	ENSG00000	ZNF383	HSD17	zinc fing	protein-coding
chr7-5047	13.59201	-0.53421	0.472303	-1.13107	0.258026	0.59423	chr7	5047521	5068537	+	0	NA	intron (N	intron (N	12169	NM_021163	57786	Hs.396178	NM_021163	ENSG00000	RBAK	ZNF769	RB associ	protein-coding
chr16-155	8.665065	-0.82777	0.732106	-1.13067	0.258193	0.59423	chr16	15585058	15585859	+	0	NA	intron (N	L1MEd|LIN	25637	NR_106761	1.02E+08		NR_106761	ENSG00000	MIR6506	hsa-mir-6	microRNA	ncRNA
chr19-473	8.665065	-0.82777	0.732106	-1.13067	0.258193	0.59423	chr19	47364923	47365200	+	0	NA	intron (N	intron (N	15746	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr1-6635	8.152226	-0.86041	0.761502	-1.12988	0.258525	0.59423	chr1	66355497	66356922	+	0	NA	intron (N	intron (N	1674	NM_001297	5142	Hs.198072	NM_002600	ENSG00000	PDE4B	DPDE4|PDE	phosphodi	protein-coding
chr6-1597	8.152226	-0.86041	0.761502	-1.12988	0.258525	0.59423	chr6	1.6E+08	1.6E+08	+	0	NA	intron (N	AluJb|SIN	-10079	NM_005891	39	Hs.571037	NM_005891	ENSG00000	ACAT2	-	acetyl-Cc	protein-coding
chr17-632	8.125253	-0.8611	0.762745	-1.12894	0.258921	0.59423	chr17	63213953	63214856	+	0	NA	intron (N	intron (N	225863	NM_001330	1534	Hs.355264	NM_001915	ENSG00000	CYB561	CYB561A1|	cytochrom	protein-coding
chr2-2031	8.125253	-0.8611	0.762745	-1.12894	0.258921	0.59423	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSx|SIN	-96808	NM_177538	57404	Hs.446065	NM_020674	ENSG00000	CYP20A1	CYP-M	cytochrom	protein-coding
chr20-637	8.125253	-0.8611	0.762745	-1.12894	0.258921	0.59423	chr20	63789921	63790342	+	0	NA	exon (NM_	exon (NM_	15372	NM_025224	140685	Hs.585028	NM_025224	ENSG00000	ZBTB46	BTBD4|BZE	zinc fing	protein-coding
chr5-7388	8.125253	-0.8611	0.762745	-1.12894	0.258921	0.59423	chr5	73885658	73886940	+	0	NA	intron (N	intron (N	72753	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr5-8348	8.125253	-0.8611	0.762745	-1.12894	0.258921	0.59423	chr5	83484654	83484904	+	0	NA	intron (N	L2b|LINE|	13035	NM_004385	1462	Hs.643801	NM_004385	ENSG00000	VCAN	CSPG2|ERV	versican	protein-coding
chr15-637	11.35179	-0.64086	0.568338	-1.12761	0.259484	0.59423	chr15	63744347	63749075	+	0	NA	intron (N	L2c|LINE|	87237	NM_003922	8925	Hs.210385	NM_003922	ENSG00000	HERC1	MDFPMR|p5	HECT and	protein-coding
chr1-2237	8.20838	-0.86428	0.769648	-1.12296	0.261454	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	MLT1G3|LT	16071	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr1-2225	8.650475	-0.82549	0.73574	-1.12199	0.261866	0.59423	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	-13153	NM_024746	79802	Hs.665660	NM_024746	ENSG00000	HHIPL2	KIAA1822L	HHIP like	protein-coding
chr4-8283	8.137636	-0.85794	0.766774	-1.1189	0.263183	0.59423	chr4	82836072	82836483	+	0	NA	intron (N	AluSx4|SI	-37420	NM_024906	79966	Hs.379191	NM_024906	ENSG00000	SCD5	ACOD4|FAD	stearoyl-	protein-coding
chr5-1068	8.721219	-0.83137	0.744507	-1.11667	0.264135	0.59423	chr5	10686966	10687423	+	0	NA	intron (N	Tigger1|D	74040	NM_004394	1611	Hs.75189	NM_004394	ENSG00000	DAP	-	death ass	protein-coding
chr19-581	10.86814	-0.65889	0.592618	-1.11184	0.266209	0.59423	chr19	58125669	58149624	+	0	NA	intron (N	L1MC|LINE	13143	NM_024620	79673	Hs.458377	NM_024620	ENSG00000	ZNF329	-	zinc fing	protein-coding
chr1-1444	10.89511	-0.65863	0.592945	-1.11078	0.266662	0.59423	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	8935	NM_173638	284565	Hs.523572	NM_173638	ENSG00000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr12-625	8.635885	-0.82311	0.741896	-1.10947	0.267226	0.59423	chr12	62560626	62561131	+	0	NA	exon (NM_	exon (NM_	42556	NR_121682	283416	Hs.375881	NM_175895	ENSG00000	LINC01465	C12orf61	long inte	ncRNA
chr12-133	10.88052	-0.65714	0.59248	-1.10913	0.267373	0.59423	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	20725	NM_015394	7556	Hs.573983	NM_015394	ENSG00000	ZNF10	KOX1	zinc fing	protein-coding
chr1-2241	10.86593	-0.65564	0.59334	-1.105	0.26916	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluSx1|SI	18113	NM_015176	23219	Hs.64691	NM_015176	ENSG00000	FBXO28	CENP-30|F	F-box prc	protein-coding
chr19-125	10.86593	-0.65564	0.59334	-1.105	0.26916	0.59423	chr19	12576988	12585363	+	0	NA	exon (NM_	exon (NM_	29638	NM_020714	57474	Hs.655860	NM_020714	ENSG00000	ZNF490	-	zinc fing	protein-coding
chr19-576	13.07917	-0.54242	0.490919	-1.1049	0.269205	0.59423	chr19	57615228	57626651	+	0	NA	exon (NM_	exon (NM_	6697	NM_003435	7693	Hs.469694	NM_003435	ENSG00000	ZNF134	pHZ-15	zinc fing	protein-coding
chr14-212	10.87831	-0.65385	0.59486	-1.09917	0.271696	0.59423	chr14	21261705	21263801	+	0	NA	intron (N	intron (N	6726	NM_031314	3183	Hs.508848	NM_004500	ENSG00000	HNRNPC	C1|C2|HNR	heteroger	protein-coding
chr1-4049	10.38227	-0.67544	0.619613	-1.09009	0.275671	0.59423	chr1	40495058	40500235	+	0	NA	Intergeni	L1ME4b|LI	-11073	NM_022774	64789	Hs.59584	NM_022774	ENSG00000	EXO5	C1orf176|	exonuclea	protein-coding
chr1-1509	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJo|SIN	6739	NM_001145	9869	Hs.643565	NM_012432	ENSG00000	SETDB1	ESET|H3-K	SET domai	protein-coding
chr12-497	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr12	49754217	49765207	+	0	NA	intron (N	AluSz6|SI	17903	NM_001098	7009	Hs.743965	NM_003217	ENSG00000	TMBIM6	BAXI1|BI-	transmemb	protein-coding
chr12-534	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr12	53454164	53479168	+	0	NA	intron (N	intron (N	2198	NR_109828	1.02E+08		NR_109828	ENSG00000	PCBP2-OT1	TUC.338|T	PCBP2 ove	ncRNA
chr12-122	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz6|SI	-12096	NM_001350	55596	Hs.37706	NM_017612	ENSG00000	ZCCHC8	-	zinc fing	protein-coding
chr19-120	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr19	12065665	12084962	+	0	NA	exon (NM_	exon (NM_	10582	NM_001136	284391	Hs.646391	NM_001136	ENSG00000	ZNF844	-	zinc fing	protein-coding
chr19-418	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr19	41860489	41872129	+	0	NA	intron (N	intron (N	-3318	NR_106855	1.02E+08		NR_106855	ENSG00000	MIR6797	hsa-mir-6	microRNA	ncRNA
chr19-523	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr19	52399028	52415799	+	0	NA	intron (N	AluJb|SIN	9564	NM_032423	84436	Hs.662043	NM_032423	ENSG00000	ZNF528	-	zinc fing	protein-coding
chr2-2314	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	intron (N	1715	NR_004398	25826		NR_004398	ENSG00000	SNORD82	RNU82|U82	small nuc	snoRNA
chr6-2814	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr6	28144028	28157667	+	0	NA	intron (N	AluSz6|SI	8636	NM_001278	7745	Hs.57679	NM_006298	ENSG00000	ZKSCAN8	LD5-1|ZNF	zinc fing	protein-coding
chr7-7299	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr7	72994878	73004408	+	0	NA	intron (N	intron (N	6300	NR_040582	442578	Hs.632310	NM_001013739		STAG3L3	STAG3L1|S	stromal a	pseudo
chr9-8396	10.36768	-0.6738	0.619805	-1.08712	0.276985	0.59423	chr9	83966515	83979374	+	0	NA	exon (NM_	exon (NM_	-3087	NR_029605	407043		NR_029605	ENSG00000	MIR7-1	MIRN7-1|h	microRNA	ncRNA
chr16-214	10.34071	-0.67411	0.622635	-1.08267	0.278957	0.59423	chr16	21421914	21425108	+	0	NA	intron (N	MIRb|SINE	1867	NM_130464	23117	Hs.611072	NM_130464		NPIPB3	KIAA0220L	nuclear p	protein-coding
chr11-753	10.38006	-0.67185	0.620643	-1.0825	0.279031	0.59423	chr11	75399914	75406761	+	0	NA	intron (N	MIRb|SINE	-1084	NR_000025	114599	Hs.689080	NR_000025	ENSG00000	SNORD15B	RNU15B|U1	small nuc	snoRNA
chr19-576	12.59331	-0.55117	0.51046	-1.07976	0.280251	0.59423	chr19	57634595	57644350	+	0	NA	intron (N	AluSx|SIN	6304	NR_049753	10520	Hs.590977	NM_006385	ENSG00000	ZNF211	C2H2-25|(	zinc fing	protein-coding
chr16-289	9.173489	-0.78838	0.734097	-1.07395	0.282846	0.59423	chr16	28956803	28957002	+	0	NA	intron (N	intron (N	-1681	NR_039742	1.01E+08		NR_039742	ENSG00000	MIR4517	mir-4517	microRNA	ncRNA
chr1-1661	8.386515	0.803333	0.750728	1.070072	0.284587	0.59423	chr1	16610520	16610972	+	0	NA	intron (N	L1ME2z|LI	2859	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr1-4048	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr1	40486927	40494351	+	0	NA	intron (N	intron (N	13349	NM_198494	339559	Hs.434385	NM_198494	ENSG00000	ZFP69	ZFP69A|ZK	ZFP69 zir	protein-coding
chr1-4550	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr1	45508746	45520655	+	0	NA	intron (N	intron (N	7184	NM_181697	5052	Hs.180909	NM_002574	ENSG00000	PRDX1	MSP23|NKE	peroxired	protein-coding
chr1-1558	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSx|SIN	-34966	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Caj	ncRNA
chr1-1831	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr1	1.83E+08	1.83E+08	+	0	NA	exon (NM_	exon (NM_	24455	NR_149048	1.11E+08	Hs.604063	NR_149048	ENSG00000	LAMC1-AS1	lnc-LAMC2	LAMC1 ant	ncRNA
chr10-620	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr10	62049797	62062769	+	0	NA	intron (N	intron (N	6926	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr11-144	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr11	14470442	14498552	+	0	NA	intron (N	AluSc|SIN	15361	NM_016451	1315	Hs.339278	NM_016451	ENSG00000	COPB1	COPB	coatomer	protein-coding
chr14-212	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr14	21207763	21217584	+	0	NA	intron (N	AluSx|SIN	-5773	NR_038971	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr14-520	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr14	52052877	52054261	+	0	NA	intron (N	intron (N	15490	NM_007361	22795	Hs.369840	NM_007361	ENSG00000	NID2	NID-2	nidogen 2	protein-coding
chr16-705	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr16	70530197	70540765	+	0	NA	intron (N	intron (N	-2524	NR_003079	692214		NR_003079	ENSG00000	SNORD111	HBII-82	small nuc	snoRNA
chr19-118	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr19	11899551	11906635	+	0	NA	intron (N	AluSc8|SI	15311	NM_001364	7620	Hs.565280	NM_021915	ENSG00000	ZNF69	Cos5|hZNF	zinc fing	protein-coding
chr19-366	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr19	36689450	36724044	+	0	NA	intron (N	AluJb|SIN	3066	NM_001363	163081	Hs.412517	NM_152603	ENSG00000	ZNF567	-	zinc fing	protein-coding
chr22-378	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr22	37868670	37879903	+	0	NA	intron (N	intron (N	24867	NM_016091	51386	Hs.446852	NM_016091	ENSG00000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr4-8283	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr4	82837349	82882025	+	0	NA	intron (N	intron (N	31466	NM_001077	22872	Hs.370024	NM_014933	ENSG00000	SEC31A	ABP125|AE	SEC31 hom	protein-coding
chr5-1504	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	AluJb|SIN	3921	NM_001025	6208	Hs.744846	NM_005617	ENSG00000	RPS14	EMTB|S14	ribosomal	protein-coding
chr5-1812	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr5	1.81E+08	1.81E+08	+	0	NA	intron (N	intron (N	2459	NR_002592	619571		NR_002592	ENSG00000	SNORD96A	U96A	small nuc	snoRNA
chr7-7317	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr7	73175252	73189997	+	0	NA	intron (N	intron (N	-27175	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr7-7474	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr7	74746808	74756213	+	0	NA	intron (N	intron (N	-22452	NM_000265	653361	Hs.647047	NM_000265	ENSG00000	NCF1	NCF1A|NOX	neutrophi	protein-coding
chr9-3240	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr9	32404336	32414215	+	0	NA	intron (N	intron (N	24632	NM_002197	48	Hs.567229	NM_002197	ENSG00000	ACO1	ACONS|HEI	aconitase	protein-coding
chr9-9284	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr9	92842394	92857915	+	0	NA	intron (N	MIR|SINE|	27814	NM_001354	83744	Hs.668378	NM_031486	ENSG00000	ZNF484	BA526D8.4	zinc fing	protein-coding
chr9-1104	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	-110645	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1274	9.881813	-0.69188	0.648358	-1.06712	0.285917	0.59423	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	MER21A|LT	10050	NR_002449	26783	Hs.408054	NR_002449	ENSG00000	SNORA65	RNU65|U65	small nuc	snoRNA
chr12-491	9.85484	-0.69224	0.649527	-1.06575	0.286535	0.59423	chr12	49183479	49187089	+	0	NA	exon (NM_	exon (NM_	3796	NM_006009	7846	Hs.654422	NM_006009	ENSG00000	TUBA1A	B-ALPHA-1	tubulin a	protein-coding
chr1-1657	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	intron (N	26615	NM_001366	54499	Hs.31498	NM_019026	ENSG00000	TMCO1	HP10122|F	transmemb	protein-coding
chr1-2217	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr1	2.22E+08	2.22E+08	+	0	NA	intron (N	intron (N	32999	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKF	dual spec	protein-coding
chr1-2431	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	69782	NM_014812	9859	Hs.533635	NM_014812	ENSG00000	CEP170	FAM68A|KA	centrosom	protein-coding
chr11-144	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr11	14457147	14469476	+	0	NA	intron (N	AluSx|SIN	36547	NM_016451	1315	Hs.339278	NM_016451	ENSG00000	COPB1	COPB	coatomer	protein-coding
chr13-497	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr13	49714480	49722509	+	0	NA	intron (N	intron (N	-27007	NM_001278	84650	Hs.433278	NM_032565	ENSG00000	EBPL	EBRP	EBP like	protein-coding
chr14-710	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr14	71072931	71079547	+	0	NA	exon (NM_	exon (NM_	168780	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr16-223	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr16	22361366	22365481	+	0	NA	intron (N	intron (N	11196	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr8-1449	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr8	1.45E+08	1.45E+08	+	0	NA	TTS (NM_0	TTS (NM_0	20746	NM_006958	7564	Hs.493225	NM_006958	ENSG00000	ZNF16	HZF1|KOX9	zinc fing	protein-coding
chr9-1102	9.867223	-0.69008	0.649414	-1.06262	0.287954	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	Tigger3b|	8652	NM_003329	7295	Hs.435136	NM_003329	ENSG00000	TXN	TRDX|TRX|	thioredox	protein-coding
chr1-2208	10.32391	-0.6687	0.629896	-1.0616	0.288419	0.59423	chr1	2.21E+08	2.21E+08	+	0	NA	exon (NM_	exon (NM_	-4375	NR_046901	1.01E+08	Hs.645593	NR_046901	ENSG00000	HLX-AS1	-	HLX antis	ncRNA
chr6-3173	9.894196	-0.6897	0.650521	-1.06023	0.289039	0.59423	chr6	31730626	31734519	+	0	NA	intron (N	AluSx1|SI	-2309	NM_013974	23564	Hs.247362	NM_013974	ENSG00000	DDAH2	DDAH|DDAH	dimethyla	protein-coding
chr5-3398	9.383564	-0.71427	0.678118	-1.05332	0.292195	0.59423	chr5	33988156	33989359	+	0	NA	non-codin	non-codin	-4064	NM_001012	51151	Hs.278962	NM_016180	ENSG00000	SLC45A2	1A1|AIM1|	solute ca	protein-coding
chr7-7474	9.383564	-0.71427	0.678118	-1.05332	0.292195	0.59423	chr7	74744046	74745964	+	0	NA	intron (N	intron (N	-16087	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr17-730	9.356591	-0.7147	0.679682	-1.05152	0.29302	0.59423	chr17	7309782	7313976	+	0	NA	TTS (NM_0	TTS (NM_0	3481	NM_004489	2874	Hs.438219	NM_004489	ENSG00000	GPS2	AMF-1	G protein	protein-coding
chr1-3955	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	39559762	39575715	+	0	NA	promoter-	promoter-	-228	NR_002983	677834	Hs.676660	NR_002983	ENSG00000	SNORA55	ACA55	small nuc	snoRNA
chr1-1485	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	3694	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr1-1556	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	18067	NR_132762	1.07E+08		NR_132762		SCARNA26A	-	small Caj	ncRNA
chr1-1556	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluY|SINE	3311	NR_132762	1.07E+08		NR_132762		SCARNA26A	-	small Caj	ncRNA
chr1-2070	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	2.07E+08	2.07E+08	+	0	NA	3' UTR (N	3' UTR (N	2676	NM_018566	55432	Hs.567533	NM_018566	ENSG00000	YOD1	DUBA8|OTU	YOD1 deub	protein-coding
chr1-2261	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	MIRc|SINE	10610	NR_146443	1.08E+08	Hs.735455	NR_146443	ENSG00000	ACBD3-AS1	-	ACBD3 ant	ncRNA
chr10-131	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr10	13115846	13146680	+	0	NA	intron (N	MLT1F|LTR	-30295	NM_018518	55388	Hs.198363	NM_018518	ENSG00000	MCM10	CNA43|DNA	minichrom	protein-coding
chr10-620	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr10	62064288	62076465	+	0	NA	intron (N	intron (N	21019	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr10-737	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr10	73758789	73771796	+	0	NA	intron (N	intron (N	-6984	NM_173540	170384	Hs.588854	NM_173540	ENSG00000	FUT11	FUCTXI	fucosyltr	protein-coding
chr11-477	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr11	47734920	47765616	+	0	NA	intron (N	AluSx1|SI	17073	NM_015308	23360	Hs.6834	NM_015308	ENSG00000	FNBP4	FBP30	formin bi	protein-coding
chr11-596	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr11	59648217	59659969	+	0	NA	intron (N	intron (N	14944	NM_152716	219988	Hs.591960	NM_152716	ENSG00000	PATL1	Pat1b|hPa	PAT1 homc	protein-coding
chr11-755	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr11	75566326	75575102	+	0	NA	intron (N	L2b|LINE|	8461	NM_001235	871	Hs.596449	NM_001235	ENSG00000	SERPINH1	AsTP3|CBF	serpin fa	protein-coding
chr12-102	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr12	10214346	10226006	+	0	NA	intron (N	intron (N	7299	NM_001363	23710	Hs.524250	NM_031412	ENSG00000	GABARAPL1	APG8-LIKE	GABA type	protein-coding
chr12-542	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr12	54281122	54287859	+	0	NA	intron (N	intron (N	3764	NR_135167	3178	Hs.546261	NM_002136	ENSG00000	HNRNPA1	ALS19|ALS	heteroger	protein-coding
chr14-904	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr14	90400876	90407167	+	0	NA	intron (N	intron (N	5771	NM_001363	801	Hs.282410	NM_006888	ENSG00000	CALM1	CALML2|CA	calmoduli	protein-coding
chr17-431	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr17	43173334	43210920	+	0	NA	intron (N	AluSg|SIN	-19748	NM_145041	113277	Hs.536474	NM_145041	ENSG00000	TMEM106A	-	transmemb	protein-coding
chr17-638	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr17	63817080	63826064	+	0	NA	exon (NM_	exon (NM_	-5859	NM_002805	5705	Hs.79387	NM_002805	ENSG00000	PSMC5	S8|SUG-1|	proteasom	protein-coding
chr17-822	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr17	82243881	82266791	+	0	NA	intron (N	intron (N	18364	NM_139062	1453	Hs.631725	NM_001893	ENSG00000	CSNK1D	ASPS|CKI-	casein ki	protein-coding
chr19-519	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr19	51929063	51946480	+	0	NA	intron (N	AluSz|SIN	10299	NM_001031	79898	Hs.183390	NM_024840	ENSG00000	ZNF613	-	zinc fing	protein-coding
chr19-565	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr19	56511312	56525138	+	0	NA	intron (N	intron (N	10370	NM_001321	57573	Hs.230188	NM_020813	ENSG00000	ZNF471	ERP1|Z197	zinc fing	protein-coding
chr22-363	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr22	36302447	36327990	+	0	NA	intron (N	Charlie4a	-28311	NR_106877	1.02E+08		NR_106877	ENSG00000	MIR6819	hsa-mir-6	microRNA	ncRNA
chr3-4444	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr3	44445873	44460052	+	0	NA	intron (N	AluSc|SIN	24708	NM_181489	353274	Hs.250481	NM_181489	ENSG00000	ZNF445	ZKSCAN15|	zinc fing	protein-coding
chr4-5547	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr4	55473441	55475162	+	0	NA	intron (N	Tigger1|D	71631	NM_001267	9575	Hs.436975	NM_004898	ENSG00000	CLOCK	KAT13D|bH	clock cir	protein-coding
chr6-3060	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr6	30600027	30611423	+	0	NA	intron (N	AluY|SINE	11518	NM_002714	5514	Hs.106019	NM_002714	ENSG00000	PPP1R10	CAT53|FB1	protein p	protein-coding
chr7-7473	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr7	74731524	74743845	+	0	NA	intron (N	intron (N	-8766	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chr8-9492	9.368974	-0.71233	0.678276	-1.05021	0.293624	0.59423	chr8	94927592	94946646	+	0	NA	intron (N	MER21-int	12259	NM_001135	94241	Hs.492261	NM_033285	ENSG00000	TP53INP1	SIP|TP53D	tumor prc	protein-coding
chr1-1551	9.395947	-0.7119	0.679342	-1.04793	0.294671	0.59423	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluJo|SIN	3153	NM_173852	200185	Hs.516671	NM_173852	ENSG00000	KRTCAP2	KCP2	keratinoc	protein-coding
chr9-2722	9.395947	-0.7119	0.679342	-1.04793	0.294671	0.59423	chr9	27227615	27231373	+	0	NA	3' UTR (N	3' UTR (N	53299	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr6-4037	9.825659	-0.68856	0.657095	-1.04788	0.294694	0.59423	chr6	4037482	4037775	+	0	NA	intron (N	intron (N	16328	NR_146784	8899	Hs.159014	NM_003913	ENSG00000	PRPF4B	PR4H|PRP4	pre-mRNA	protein-coding
chr11-134	16.57549	-0.40879	0.390531	-1.04676	0.295209	0.59423	chr11	134308	134744	+	0	NA	intron (N	AluJr|SIN	-2673	NR_028326	1E+08	Hs.518952	NR_028326		LINC01001	-	long inte	ncRNA
chr1-1679	9.381357	-0.70995	0.679503	-1.04481	0.296111	0.59423	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	intron (N	-5770	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr2-1935	9.381357	-0.70995	0.679503	-1.04481	0.296111	0.59423	chr2	19350029	19353754	+	0	NA	3' UTR (N	3' UTR (N	3462	NR_039914	1.01E+08		NR_039914	ENSG00000	MIR4757	-	microRNA	ncRNA
chr3-1280	9.381357	-0.70995	0.679503	-1.04481	0.296111	0.59423	chr3	1.28E+08	1.28E+08	+	0	NA	exon (NM_	exon (NM_	4342	NM_013336	29927	Hs.518236	NM_013336	ENSG00000	SEC61A1	HNFJ4|HSE	SEC61 tra	protein-coding
chr5-7355	9.381357	-0.70995	0.679503	-1.04481	0.296111	0.59423	chr5	73559086	73562891	+	0	NA	intron (N	L1MA7|LIN	4651	NM_023039	57763	Hs.239154	NM_023039	ENSG00000	ANKRA2	ANKRA	ankyrin r	protein-coding
chr9-6690	9.381357	-0.70995	0.679503	-1.04481	0.296111	0.59423	chr9	66906995	66910754	+	0	NA	intron (N	L1MB7|LIN	5513	NR_134255	26149	Hs.522147	NM_033160	ENSG00000	ZNF658	-	zinc fing	protein-coding
chr1-1352	9.354384	-0.71037	0.680426	-1.044	0.296484	0.59423	chr1	1352933	1355581	+	0	NA	intron (N	intron (N	4290	NM_001282	54587	Hs.515687	NM_032348	ENSG00000	MXRA8	ASP3	matrix re	protein-coding
chr1-2255	9.354384	-0.71037	0.680426	-1.044	0.296484	0.59423	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-77929	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr1-3087	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr1	30871562	30876990	+	0	NA	intron (N	intron (N	34482	NM_014654	9672	Hs.158287	NM_014654	ENSG00000	SDC3	SDCN|SYND	syndecan	protein-coding
chr1-1552	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	(TA)n|Sim	4474	NM_000157	2629	Hs.282997	NM_000157	ENSG00000	GBA	GBA1|GCB|	glucosylc	protein-coding
chr10-102	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSc8|SI	-29612	NM_001322	4791	Hs.73090	NM_002502	ENSG00000	NFKB2	CVID10|H2	nuclear f	protein-coding
chr12-122	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L2a|LINE|	-18330	NR_135044	1.01E+08	Hs.536336	NR_135044	ENSG00000	LOC100506	-	uncharact	ncRNA
chr16-293	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr16	2936207	2945297	+	0	NA	TTS (NM_0	TTS (NM_0	-23523	NM_001253	79412	Hs.661128	NM_024507	ENSG00000	KREMEN2	KRM2	kringle c	protein-coding
chr19-111	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr19	11191285	11194679	+	0	NA	exon (NM_	exon (NM_	1608	NM_015493	25959	Hs.284208	NM_015493	ENSG00000	KANK2	ANKRD25|M	KN motif	protein-coding
chr19-137	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr19	13768260	13770867	+	0	NA	intron (N	intron (N	-4893	NM_014047	28974	Hs.231616	NM_014047	ENSG00000	C19orf53	HSPC023|I	chromosom	protein-coding

chr2-1632	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr2	1632500	1636186	+	0	NA	intron (N	intron (N	110172	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COF	peroxidas	protein-coding
chr5-1787	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	MLT1C|LTR	10284	NM_005649	6940	Hs.484324	NM_005649	ENSG00000	ZNF354A	EZNF|HEL1	zinc fing	protein-coding
chr6-3284	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr6	32845261	32851816	+	0	NA	intron (N	intron (N	-3859	NM_004159	5696	Hs.180062	NM_004159	ENSG00000	PSMB8	ALDD|D6S2	proteasom	protein-coding
chr9-1108	8.870725	-0.73732	0.708663	-1.04044	0.298136	0.59423	chr9	1.11E+08	1.11E+08	+	0	NA	3’ UTR (N	3’ UTR (N	145968	NM_001369	4593	Hs.521653	NM_005592	ENSG00000	MUSK	CMS9|FADS	muscle as	protein-coding
chr4-1028	9.42292	-0.71144	0.685154	-1.03836	0.299102	0.59423	chr4	1.03E+08	1.03E+08	+	0	NA	promoter-	promoter-	-289	NM_001300	7323	Hs.518773	NM_003340	ENSG00000	UBE2D3	E2(17)KB3	ubiquitin	protein-coding
chr2-1199	8.897698	-0.73684	0.709624	-1.03835	0.299109	0.59423	chr2	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-55836	NR_138472	57669	Hs.369232	NM_020909	ENSG00000	EPB41L5	BE37|YMO1	erythrocy	protein-coding
chr1-1100	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	12532	NM_001242	10768	Hs.743973	NM_006621	ENSG00000	AHCYL1	DCAL|IRBI	adenosylh	protein-coding
chr1-1557	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluSx1|SI	8261	NR_132767	1.07E+08		NR_132767		SCARNA26B	-	small Ca	ncRNA
chr1-1617	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	1.62E+08	1.62E+08	+	0	NA	intron (N	L1ME3G|LI	5874	NM_007240	11266	Hs.416216	NM_007240	ENSG00000	DUSP12	DUSP1|YVH	dual spec	protein-coding
chr1-1680	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	1.68E+08	1.68E+08	+	0	NA	exon (NM_	exon (NM_	5288	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-1835	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	intron (N	56216	NM_000433	4688	Hs.587558	NM_000433	ENSG00000	NCF2	NCF-2|NOX	neutrophi	protein-coding
chr1-2050	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	-17431	NM_203376	388730	Hs.146928	NM_203376	ENSG00000	TMEM81	HC3107|KV	transmemb	protein-coding
chr1-2124	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	MER1B|DNA	5856	NM_018252	55248	Hs.445386	NM_018252	ENSG00000	PACC1	C1orf75|F	proton ac	protein-coding
chr1-2226	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	MER68|LTR	26110	NM_022831	64853	Hs.156625	NM_022831	ENSG00000	AIDA	C1orf80	axin inte	protein-coding
chr1-2354	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	TTS (NM_1	TTS (NM_1	57256	NM_001277	148789	Hs.498143	NM_152490	ENSG00000	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr1-2468	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	66502	NR_015422	149134	Hs.720494	NM_207326		LINC01341	-	long inte	ncRNA
chr10-272	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr10	27222837	27223345	+	0	NA	intron (N	intron (N	17395	NM_001301	91452	Hs.530597	NM_145698	ENSG00000	ACBD5	-	acyl-CoA	protein-coding
chr10-101	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSq2|SI	17104	NM_012215	10724	Hs.500842	NM_012215	ENSG00000	OGA	MEA5|MGEA	O-GlcNAca	protein-coding
chr12-559	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr12	55983644	55995613	+	0	NA	intron (N	intron (N	-7648	NM_001032	6821	Hs.558403	NM_000456	ENSG00000	SUOX	-	sulfite o	protein-coding
chr14-101	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	53732	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr15-429	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr15	42954818	42957900	+	0	NA	intron (N	AluSz|SIN	-35581	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr15-484	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr15	48410082	48413586	+	0	NA	intron (N	intron (N	79637	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyurid	protein-coding
chr15-641	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr15	64154322	64162008	+	0	NA	TTS (NM_0	TTS (NM_0	4990	NM_000942	5479	Hs.434937	NM_000942	ENSG00000	PPIB	B|CYP-S1|	peptidylp	protein-coding
chr16-317	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr16	31752777	31762236	+	0	NA	intron (N	L1MC4a|LI	44277	NM_001130	124411	Hs.528826	NM_001004	ENSG00000	ZNF720	-	zinc fing	protein-coding
chr17-503	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr17	50380092	50396658	+	0	NA	intron (N	AluJr|SIN	9148	NM_018509	55379	Hs.370927	NM_018509	ENSG00000	LRRC59	PRO1855|p	leucine r	protein-coding
chr17-596	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr17	59665113	59668253	+	0	NA	intron (N	intron (N	40915	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAP	peptidyl-	protein-coding
chr19-118	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr19	11801485	11808352	+	0	NA	intron (N	intron (N	6395	NM_152356	126069	Hs.631634	NM_152356	ENSG00000	ZNF491	-	zinc fing	protein-coding
chr2-2620	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr2	26207896	26221959	+	0	NA	intron (N	intron (N	29705	NM_000182	3030	Hs.516032	NM_000182	ENSG00000	HADHA	ECHA|GBP|	hydroxyac	protein-coding
chr2-5523	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr2	55233157	55237041	+	0	NA	TTS (NR_0	TTS (NR_0	935	NR_039624	1.01E+08		NR_039624	ENSG00000	MIR4426	-	microRNA	ncRNA
chr2-6903	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr2	69039861	69045590	+	0	NA	intron (N	L2|LINE|L	29581	NM_053034	84168	Hs.165859	NM_018153	ENSG00000	ANTXR1	ATR|GAPO|	ANTXR cel	protein-coding
chr2-6910	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr2	69101989	69106720	+	0	NA	TTS (NR_0	TTS (NR_0	672	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA
chr2-1866	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	intron (N	-24073	NM_177454	165215	Hs.28872	NM_177454	ENSG00000	FAM171B	KIAA1946	family wi	protein-coding
chr20-621	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr20	62135401	62141226	+	0	NA	intron (N	intron (N	5081	NM_002792	5688	Hs.233952	NM_002792	ENSG00000	PSMA7	C6|HEL-S-	proteasom	protein-coding
chr22-378	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr22	37862451	37867847	+	0	NA	intron (N	AluJo|SIN	15730	NM_016091	51386	Hs.446852	NM_016091	ENSG00000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr3-1017	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	L1MB3|LIN	7632	NM_001348	91775	Hs.595933	NM_145037	ENSG00000	NXPE3	FAM55C|MS	neurexoph	protein-coding
chr4-7528	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr4	75282	88293	+	0	NA	intron (N	L1MB2|LIN	28466	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr4-1866	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr4	1.87E+08	1.87E+08	+	0	NA	exon (NM_	exon (NM_	-63302	NM_005958	4543	Hs.243467	NM_005958	ENSG00000	MTNR1A	MEL-1A-R|	melatonin	protein-coding
chr5-1796	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	1277	NM_001364	3187	Hs.604001	NM_005520	ENSG00000	HNRNPH1	HNRPH|HNR	heterogen	protein-coding
chr7-6497	8.883108	-0.73473	0.708618	-1.03685	0.299807	0.59423	chr7	64978144	64993326	+	0	NA	intron (N	AluSx3|SI	5301	NM_015852	51351	Hs.250693	NM_015852	ENSG00000	ZNF117	H-plk|HPF	zinc fing	protein-coding
chr1-1931	9.32741	-0.71076	0.686088	-1.03596	0.300221	0.59423	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	3853	NM_024529	79577	Hs.378996	NM_024529	ENSG00000	CDC73	C1orf28|F	cell divi	protein-coding
chr11-653	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr11	65337898	65353703	+	0	NA	exon (NM_	exon (NM_	-8951	NM_145719	220359	Hs.632121	NM_145719	ENSG00000	TIGD3	-	tigger tr	protein-coding
chr16-225	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr16	2252801	2266480	+	0	NA	intron (N	AluY|SINE	7697	NM_001286	10921	Hs.355643	NM_006711	ENSG00000	RNPS1	E5.1	RNA bindi	protein-coding
chr19-147	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr19	14704769	14723334	+	0	NA	intron (N	intron (N	24003	NM_001352	84449	Hs.515215	NM_032433	ENSG00000	ZNF333	-	zinc fing	protein-coding
chr2-2014	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	22857	NM_001206	55437	Hs.652338	NM_018571	ENSG00000	STRADB	ALS2CR2|C	STE20 rel	protein-coding
chr5-7120	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr5	71202244	71204595	+	0	NA	intron (N	AluJo|SIN	4712	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr7-4572	8.856135	-0.73521	0.709887	-1.03568	0.300354	0.59423	chr7	45726135	45729223	+	0	NA	intron (N	intron (N	41339	NR_024271	641977	Hs.723477	NR_024271	ENSG00000	SEPTIN7P2	SEPT13|SE	septin 7	pseudo
chr6-3529	8.843752	-0.73783	0.713006	-1.03481	0.300756	0.59423	chr6	35294482	35295676	+	0	NA	intron (N	intron (N	-2739	NM_022047	50619	Hs.15476	NM_022047	ENSG00000	DEF6	IBP|SLAT|	DEF6 guar	protein-coding
chr20-469	9.339793	-0.70836	0.684649	-1.03463	0.300843	0.59423	chr20	4698746	4700813	+	0	NA	exon (NM_	exon (NM_	13323	NM_001080	5621	Hs.472010	NM_000311	ENSG00000	PRNP	ASCR|AltP	prion pro	protein-coding
chr8-1822	8.372477	-0.76554	0.740347	-1.03402	0.301125	0.59423	chr8	18222323	18222599	+	0	NA	exon (NM_	exon (NM_	793	NM_001160	9	Hs.591847	NM_000662	ENSG00000	NAT1	AAC1|MNAT	N-acetylt	protein-coding
chr8-1334	8.372477	-0.76554	0.740347	-1.03402	0.301125	0.59423	chr8	1.33E+08	1.33E+08	+	0	NA	3’ UTR (N	3’ UTR (N	113327	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr1-2171	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr1	21711186	21715206	+	0	NA	intron (N	AluJb|SIN	-43839	NM_001350	5909	Hs.148178	NM_002885	ENSG00000	RAP1GAP	RAP1GA1|R	RAP1 GTPa	protein-coding
chr1-2563	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr1	25635346	25636876	+	0	NA	intron (N	MER11A|LT	18643	NM_001289	57134	Hs.197043	NM_020379	ENSG00000	MAN1C1	HMIC|MAN1	mannosida	protein-coding
chr1-2687	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr1	26876926	26889736	+	0	NA	intron (N	intron (N	6952	NM_018066	54707	Hs.14333	NM_018066	ENSG00000	GPN2	ATPBD1B	GPN-loop	protein-coding
chr1-1787	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MEc|LIN	17671	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-1847	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr1	1.85E+08	1.85E+08	+	0	NA	intron (N	AluSx1|SI	41586	NR_135118	80267	Hs.523811	NM_025191	ENSG00000	EDEM3	C1orf22	ER degrad	protein-coding
chr12-685	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr12	6854132	6866680	+	0	NA	exon (NM_	exon (NM_	-7014	NM_001159	7167	Hs.524219	NM_000365	ENSG00000	TPI1	HEL-S-49|	triosepho	protein-coding
chr12-501	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr12	50195866	50201026	+	0	NA	intron (N	AluJr|SIN	3087	NM_001243	51474	Hs.525419	NM_016357	ENSG00000	LIMA1	EPLIN|LDL	LIM domai	protein-coding
chr12-962	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr12	96283078	96290470	+	0	NA	intron (N	intron (N	31276	NM_001303	2004	Hs.46523	NM_005230	ENSG00000	ELK3	ERP|NET|S	ETS trans	protein-coding
chr16-742	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr16	74298407	74309025	+	0	NA	intron (N	intron (N	6902	NM_002811	5713	Hs.440604	NM_002811	ENSG00000	PSMD7	MOV34|P40	proteasom	protein-coding
chr19-109	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr19	10907705	10910253	+	0	NA	intron (N	intron (N	19660	NM_001321	78992	Hs.164026	NM_024029	ENSG00000	YIPF2	FinGER2	Yip1 doma	protein-coding
chr2-3257	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr2	32573862	32576797	+	0	NA	promoter-	promoter-	-511	NR_125793	1.04E+08	Hs.666092	NR_125793	ENSG00000	BIRC6-AS2	linc-birc	BIRC6 ant	ncRNA
chr20-646	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr20	646107	651820	+	0	NA	intron (N	intron (N	4237	NM_080725	140809	Hs.516830	NM_080725	ENSG00000	SRXN1	C20orf139	sulfiredo	protein-coding
chr21-326	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr21	32638084	32638961	+	0	NA	intron (N	AluSx1|SI	-25651	NM_001350	56683	Hs.5811	NM_017835	ENSG00000	CFAP298	C21orf48|	cilia and	protein-coding
chr3-1841	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr3	1.84E+08	1.84E+08	+	0	NA	exon (NM_	exon (NM_	5169	NM_001351	55324	Hs.361323	NM_018358	ENSG00000	ABCF3	EST201864	ATP bindi	protein-coding
chr5-1360	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr5	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	24842	NR_030583	1E+08		NR_030583	ENSG00000	VTRNA2-1	CBL-3|CBL	vault RNA	ncRNA
chr6-7288	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr6	7288615	7304512	+	0	NA	intron (N	intron (N	16636	NM_001292	6745	Hs.114033	NM_003144	ENSG00000	SSR1	TRAPA	signal se	protein-coding
chr6-2994	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr6	29943313	29946219	+	0	NA	intron (N	intron (N	2234	NM_002116	3105	Hs.181244	NM_002116	ENSG00000	HLA-A	HLAA	major his	protein-coding
chr7-6433	8.384859	-0.7627	0.738616	-1.0326	0.30179	0.59423	chr7	64335624	64346186	+	0	NA	intron (N	L1MA9|LIN	26944	NM_001170	728927	Hs.386162	NM_001170	ENSG00000	ZNF736	-	zinc fing	protein-coding
chr10-740	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr10	74093085	74110233	+	0	NA	intron (N	AluYb8|SI	49169	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr14-311	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr14	31132034	31132246	+	0	NA	intron (N	intron (N	75653	NM_015382	25831	Hs.708017	NM_015382	ENSG00000	HECTD1	EULIR	HECT doma	protein-coding
chr14-100	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr14	1E+08	1E+08	+	0	NA	intron (N	intron (N	15498	NM_213646	7453	Hs.497599	NM_004184	ENSG00000	WARS	GAMMA-2|H	tryptopha	protein-coding
chr17-406	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	40628817	40638256	+	0	NA	intron (N	intron (N	14282	NM_003079	6605	Hs.743978	NM_003079	ENSG00000	SMARCE1	BAF57|CSS	SWI/SNF r	protein-coding
chr17-434	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	43489435	43510543	+	0	NA	exon (NM_	exon (NM_	16014	NM_001322	1659	Hs.463105	NM_004941	ENSG00000	DHX8	DDX8|Dhr2	DEAH-box	protein-coding
chr17-476	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	47651352	47685092	+	0	NA	exon (NM_	exon (NM_	17157	NM_001276	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr17-637	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	63786433	63816486	+	0	NA	intron (N	7SLRNA|sr	-25972	NM_002805	5705	Hs.79387	NM_002805	ENSG00000	PSMC5	S8|SUG-1|	proteasom	protein-coding
chr17-645	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	64556645	64566089	+	0	NA	intron (N	intron (N	54390	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr17-671	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr17	67106194	67109904	+	0	NA	intron (N	intron (N	63495	NM_000727	786	Hs.147989	NM_000727	ENSG00000	CACNG1	CACNLG	calcium v	protein-coding
chr18-487	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr18	48718389	48719463	+	0	NA	intron (N	L3|LINE|C	48326	NR_039897	1.01E+08		NR_039897	ENSG00000	MIR4743	-	microRNA	ncRNA
chr2-1874	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr2	1.87E+08	1.87E+08	+	0	NA	intron (N	AluSx|SIN	-46508	NM_001369	10203	Hs.470882	NM_005795	ENSG00000	CALCRL	CGRPR|CRL	calcitoni	protein-coding
chr20-559	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr20	5591449	5604050	+	0	NA	intron (N	MIR3|SINE	13257	NM_019593	56261	Hs.636359	NM_019593	ENSG00000	GPCPD1	EDI3|GDE5	glyceroph	protein-coding
chr20-138	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr20	13801534	13804412	+	0	NA	intron (N	intron (N	17945	NR_029377	79133	Hs.472165	NM_024120	ENSG00000	NDUFAF5	C20orf7|M	NADH:ubiq	protein-coding
chr22-356	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr22	35656911	35660459	+	0	NA	exon (NM_	exon (NM_	10239	NM_030641	80830	Hs.257352	NM_030641	ENSG00000	APOL6	APOL-VI|A	apolipopr	protein-coding
chr3-1237	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	exon (NM_	exon (NM_	47743	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr5-1191	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr5	1.19E+08	1.19E+08	+	0	NA	intron (N	MER58A|DN	43743	NR_049892	1.01E+08		NR_049892	ENSG00000	MIR5706	-	microRNA	ncRNA
chr6-4351	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr6	43510739	43516211	+	0	NA	intron (N	intron (N	-3129	NM_001271	221424	Hs.445552	NM_001012	ENSG00000	LRRC73	C6orf154	leucine r	protein-coding
chr7-1008	8.868518	-0.73261	0.709843	-1.03207	0.302037	0.59423	chr7	1.01E+08	1.01E+08	+	0	NA	intron (N	AluSz6|SI	3264	NR_106935	1.02E+08		NR_106935	ENSG00000	MIR6875	hsa-mir-6	microRNA	ncRNA
chr1-2258	8.357886	-0.76326	0.740386	-1.0309	0.302589	0.59423	chr1	2.26E+08	2.26E+08	+	0	NA	exon (NM_	exon (NM_	17081	NM_001120	2052	Hs.89649	NM_000120	ENSG00000	EPHX1	EPHX|EPOX	epoxide h	protein-coding
chr11-123	8.357886	-0.76326	0.740386	-1.0309	0.302589	0.59423	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	AluSz6|SI	-19695	NM_153201	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr22-193	8.357886	-0.76326	0.740386	-1.0309	0.302589	0.59423	chr22	19360480	19362057	+	0	NA	exon (NM_	exon (NM_	-69549	NM_001835	8218	Hs.368266	NM_001835	ENSG00000	CLTCL1	CHC22|CLH	clathrin	protein-coding
chr2-1526	8.910081	-0.73422	0.712654	-1.03025	0.302891	0.59423	chr2	1.53E+08	1.53E+08	+	0	NA	exon (NM_	exon (NM_	54365	NM_001365	55660	Hs.643580	NM_017892	ENSG00000	PRPF40A	FBP-11|FE	pre-mRNA	protein-coding
chr2-2267	8.401658	-0.77024	0.747913	-1.02985	0.303081	0.59423	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	MLT1H|LTR	14666	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr1-3928	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	39282121	39386920	+	0	NA	intron (N	intron (N	-74553	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-7022	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	70228248	70247478	+	0	NA	intron (N	intron (N	16483	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-1510	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	non-codin	non-codin	-1757	NM_138278	149428	Hs.591473	NM_138278	ENSG00000	BNIPL	BNIP-S|BN	BCL2 inte	protein-coding
chr1-1602	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-18723	NR_123725	729867	Hs.674191	NR_123725	ENSG00000	LOC729867	-	uncharact	ncRNA
chr1-1863	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	23922	NM_001127	10216	Hs.647723	NM_005807	ENSG00000	PRG4	CACP|HAPO	proteogly	protein-coding
chr1-2017	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	L1MB7|LIN	-12417	NR_031599	1E+08		NR_031599	ENSG00000	MIR1231	MIRN1231|	microRNA	ncRNA
chr1-2028	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.03E+08	2.03E+08	+	0	NA	intron (N	intron (N	15182	NM_021633	59349	Hs.706793	NM_021633	ENSG00000	KLHL12	C3IP1|DKI	kelch lik	protein-coding
chr1-2051	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	AluSx|SIN	-38960	NM_001193	5929	Hs.519230	NM_005057	ENSG00000	RBBP5	RBQ3|SWD1	RB bindin	protein-coding
chr1-2112	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.11E+08	2.11E+08	+	0	NA	intron (N	MamRTE1|L	13700	NM_018254	55758	Hs.356399	NM_018254	ENSG00000	RCOR3	-	REST core	protein-coding
chr1-2282	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	L1MEg|LIN	-31499	NR_073154	574407	Hs.650039	NM_001025	ENSG00000	OBSCN-AS1	C1orf145	OBSCN ant	ncRNA
chr1-2431	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	-34393	NR_029401	731275	Hs.722350	NR_029401	ENSG00000	LINC01347	-	long inte	ncRNA
chr10-102	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	-3267	NM_001284	9221	Hs.523238	NM_004741	ENSG00000	NOLC1	NOPP130|N	nucleolar	protein-coding
chr11-864	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr11	8646038	8646522	+	0	NA	intron (N	intron (N	12556	NM_014818	9866	Hs.130836	NM_014818	ENSG00000	TRIM66	C11orf29|	tripartit	protein-coding
chr11-118	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr11	1.18E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	-21242	NM_001346	143941	Hs.653449	NM_001080	ENSG00000	TTC36	HBP21	tetratric	protein-coding
chr11-119	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSc|SIN	8336	NM_001290	55823	Hs.234282	NM_021729	ENSG00000	VPS11	END1|HLD1	VPS11 cor	protein-coding
chr12-674	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr12	6745049	6751996	+	0	NA	non-codin	non-codin	4394	NM_005439	8079	Hs.524214	NM_005439	ENSG00000	MLF2	NTN4	myeloid l	protein-coding
chr12-561	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr12	56164027	56187274	+	0	NA	intron (N	MIR|SINE|	13833	NM_139067	6601	Hs.236030	NM_003075	ENSG00000	SMARCC2	BAF170|CR	SWI/SNF r	protein-coding
chr12-112	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr12	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	-80697	NR_106921	1.02E+08		NR_106921	ENSG00000	MIR6861	hsa-mir-6	microRNA	ncRNA
chr15-414	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr15	41469254	41484234	+	0	NA	intron (N	intron (N	-17130	NM_002220	3706	Hs.2722	NM_002220	ENSG00000	ITPKA	IP3-3KA|I	inositol-	protein-coding
chr15-484	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr15	48498709	48516447	+	0	NA	intron (N	intron (N	138210	NM_000138	2200	Hs.591133	NM_000138	ENSG00000	FBN1	ACMICD|EC	fibrillin	protein-coding
chr16-160	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr16	16034594	16068971	+	0	NA	intron (N	MER68|LTR	102166	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr16-219	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr16	21957288	21986518	+	0	NA	intron (N	intron (N	18542	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr16-247	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr16	24792766	24822010	+	0	NA	intron (N	intron (N	-38475	NM_001258	115584	Hs.164118	NM_052944	ENSG00000	SLC5A11	KST1|RKST	solute ca	protein-coding
chr16-469	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr16	46956000	46972064	+	0	NA	intron (N	AluSx|SIN	9642	NM_005880	10294	Hs.368078	NM_005880	ENSG00000	DNAJA2	CPR3|DJ3|	DnaJ heat	protein-coding
chr16-885	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr16	88598330	88601196	+	0	NA	intron (N	intron (N	29360	NM_001294	124245	Hs.93670	NM_144604	ENSG00000	ZC3H18	NHN1	zinc fing	protein-coding
chr17-160	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr17	16068961	16073107	+	0	NA	intron (N	AluJb|SIN	71210	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-389	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr17	38913131	38921703	+	0	NA	intron (N	(T)n|Simp	2438	NR_106837	1.02E+08		NR_106837	ENSG00000	MIR6779	hsa-mir-6	microRNA	ncRNA
chr17-503	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr17	50366572	50370858	+	0	NA	intron (N	intron (N	4469	NM_016504	51264	Hs.7736	NM_016504	ENSG00000	MRPL27	L27mt	mitochond	protein-coding
chr17-645	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr17	64566834	64572691	+	0	NA	intron (N	L1M5|LINE	62785	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr17-827	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr17	82737918	82743834	+	0	NA	intron (N	intron (N	5261	NM_022158	64122	Hs.151135	NM_022158	ENSG00000	FN3K	-	fructosam	protein-coding
chr19-111	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	1110713	1130072	+	0	NA	intron (N	AluSz|SIN	11829	NM_001100	22904	Hs.408708	NM_014963	ENSG00000	SBNO2	KIAA0963|	strawberr	protein-coding
chr19-365	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	3656865	3657695	+	0	NA	intron (N	intron (N	-30465	NM_021231	58509	Hs.128425	NM_021231	ENSG00000	CACTIN	C19orf29|	cactin, s	protein-coding

chr19-880	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	8805503	8825919	+	0	NA	intron (N	AluJr|SIN	6352	NM_001304	148156	Hs.349444	NM_144693	ENSG00000	ZNF558	-	zinc fing	protein-coding
chr19-119	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	11940268	11943105	+	0	NA	intron (N	LTR12C|LT	16579	NM_144566	90592	Hs.528486	NM_144566	ENSG00000	ZNF700	-	zinc fing	protein-coding
chr19-171	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	17158167	17179082	+	0	NA	intron (N	intron (N	-46733	NM_018467	55850	Hs.16187	NM_018467	ENSG00000	USE1	D12|MDS03	unconvent	protein-coding
chr19-369	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr19	36936437	36952799	+	0	NA	intron (N	MER20|DNA	28286	NM_001204	374900	Hs.404220	NM_198539	ENSG00000	ZNF568	ZFP568	zinc fing	protein-coding
chr2-1657	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	1657624	1667387	+	0	NA	intron (N	intron (N	82010	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COP	peroxidas	protein-coding
chr2-1667	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	1667502	1675309	+	0	NA	intron (N	L1MEd|LIN	73110	NM_012293	7837	Hs.332197	NM_012293	ENSG00000	PXDN	ASGD7|COP	peroxidas	protein-coding
chr2-1992	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	19926892	19929339	+	0	NA	intron (N	MER9a2|LT	-26132	NM_001008	130502	Hs.591547	NM_001008	ENSG00000	TTC32	-	tetratric	protein-coding
chr2-2840	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	28402154	28418676	+	0	NA	intron (N	intron (N	-15743	NR_103831	403150	Hs.562970	NR_103831	ENSG00000	FLJ31356	-	uncharact	ncRNA
chr2-4715	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	47157155	47173713	+	0	NA	intron (N	intron (N	8773	NM_001305	805	Hs.468442	NM_001743	ENSG00000	CALM2	CALM|CALM	calmoduli	protein-coding
chr2-9587	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	95874286	95875520	+	0	NA	intron (N	L1PA3|LIN	-47922	NR_103734	150759	Hs.503463	NR_103734		LINC00342	NCRNA0034	long inte	ncRNA
chr2-1772	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	MIR|SINE|	20860	NR_138470	220988	Hs.516539	NM_194247	ENSG00000	HNRNPA3	2610510D1	heteroger	protein-coding
chr20-106	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr20	10654623	10664899	+	0	NA	intron (N	intron (N	-10066	NR_106930	1.02E+08		NR_106930	ENSG00000	MIR6870	hsa-mir-6	microRNA	ncRNA
chr20-356	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr20	35668339	35676022	+	0	NA	intron (N	AluY|SINE	-7280	NM_001198	10137	Hs.700188	NM_006047	ENSG00000	RBM12	HRIHFB209	RNA bindi	protein-coding
chr20-449	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr20	44902306	44907968	+	0	NA	intron (N	intron (N	-4923	NR_134983	80336	Hs.641481	NM_001124	ENSG00000	PABPC1L	C20orf119	poly(A) b	protein-coding
chr20-638	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr20	63866411	63879581	+	0	NA	intron (N	AluY|SINE	7726	NM_199361	7165	Hs.473296	NM_003288	ENSG00000	TPD52L2	D54|TPD54	TPD52 lik	protein-coding
chr22-193	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr22	19381334	19384320	+	0	NA	intron (N	intron (N	48906	NM_003325	7290	Hs.474206	NM_003325	ENSG00000	HIRA	DGCR1|TUP	histone c	protein-coding
chr22-504	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr22	50414626	50425676	+	0	NA	intron (N	L2c|LINE|	12709	NR_162128	1.13E+08		NR_162128		MIR12114	-	microRNA	ncRNA
chr3-9461	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr3	9461980	9469190	+	0	NA	intron (N	intron (N	67885	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-9797	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr3	9797419	9809209	+	0	NA	intron (N	L3|LINE|C	-6601	NM_001025	26140	Hs.726435	NM_015644	ENSG00000	TTLL3	HOTTL	tubulin t	protein-coding
chr3-1465	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr3	14654797	14667904	+	0	NA	intron (N	intron (N	9588	NM_016474	51244	Hs.517820	NM_016474	ENSG00000	CCDC174	C3orf19|H	coiled-co	protein-coding
chr3-4595	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr3	45950898	45970131	+	0	NA	intron (N	intron (N	17050	NM_006564	10663	Hs.34526	NM_006564	ENSG00000	CXCR6	BONZO|CD1	C-X-C mot	protein-coding
chr3-1138	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr3	1.14E+08	1.14E+08	+	0	NA	intron (N	L1M5|LINE	-30548	NM_017577	54762	Hs.24583	NM_017577	ENSG00000	GRAMD1C	-	GRAM doma	protein-coding
chr4-1762	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr4	17620297	17635228	+	0	NA	3’ UTR (N	3’ UTR (N	13121	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr4-7076	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr4	70768649	70771778	+	0	NA	intron (N	Tigger1|D	35803	NM_001291	22902	Hs.740904	NM_014961	ENSG00000	RUFY3	RIPX|SINC	RUN and F	protein-coding
chr5-1430	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr5	14306504	14322782	+	0	NA	intron (N	intron (N	-149340	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-1381	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr5	1.38E+08	1.38E+08	+	0	NA	exon (NM_	exon (NM_	10656	NM_001300	10902	Hs.519337	NM_006696	ENSG00000	BRD8	SMAP|SMAP	bromodoma	protein-coding
chr5-1798	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L1ME3Cz|L	10382	NM_016175	51149	Hs.741169	NM_016175	ENSG00000	MRNIP	C5orf45	MRN compl	protein-coding
chr6-3696	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr6	36966469	36981742	+	0	NA	intron (N	intron (N	12446	NM_001271	23787	Hs.485262	NM_014341	ENSG00000	MTCH1	CGI-64|PI	mitochond	protein-coding
chr6-1523	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr6	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	-22724	NR_120501	1.01E+08	Hs.571203	NR_120501		SYNE1-AS1	-	SYNE1 ant	ncRNA
chr7-1286	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr7	1.29E+08	1.29E+08	+	0	NA	Intergeni	AluJo|SIN	-6198	NR_024368	402483	Hs.722350	NM_001039682		LINC01000	-	long inte	ncRNA
chr8-7057	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr8	70573030	70607416	+	0	NA	intron (N	intron (N	17446	NM_001317	23471	Hs.491988	NM_014294	ENSG00000	TRAM1	PNAS8|TRA	transloca	protein-coding
chr8-9811	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr8	98118864	98131068	+	0	NA	intron (N	intron (N	7126	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr8-1023	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	L2c|LINE|	68739	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-1088	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.09E+08	1.09E+08	+	0	NA	intron (N	intron (N	16846	NM_006687	10881	Hs.123530	NM_006687	ENSG00000	ACTL7A	-	actin lik	protein-coding
chr9-1213	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	29425	NM_000177	2934	Hs.522373	NM_000177	ENSG00000	GSN	ADF|AGEL	gelsolin	protein-coding
chr9-1281	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	AluSp|SIN	11694	NM_001131	25792	Hs.212395	NM_012127	ENSG00000	CIZ1	LSFR1|NP9	CDKN1A in	protein-coding
chr9-1282	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-5813	NM_001318	375757	Hs.259594	NM_001040	ENSG00000	SWI5	C9orf119|	SWI5 homo	protein-coding
chr9-1322	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	84515	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxin	protein-coding
chr9-1330	8.370269	-0.76043	0.738656	-1.02948	0.303256	0.59423	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	MIRc|SINE	16759	NM_001271	5900	Hs.106185	NM_006266	ENSG00000	RALGDS	RGDS|RGF|	ral guani	protein-coding
chr3-4465	11.5946	-0.57111	0.55509	-1.02886	0.303545	0.59423	chr3	44650666	44662284	+	0	NA	intron (N	AluSx1|SI	7743	NM_003420	7584	Hs.288658	NM_003420	ENSG00000	ZNF35	HF.10|HF1	zinc fing	protein-coding
chr11-123	8.895491	-0.7321	0.711638	-1.02875	0.303596	0.59423	chr11	1.23E+08	1.23E+08	+	0	NA	intron (N	MIR1_Amn|	-22861	NM_153201	3312	Hs.180414	NM_006597	ENSG00000	HSPA8	HEL-33|HE	heat shoc	protein-coding
chr20-294	13.78087	-0.47818	0.464993	-1.02835	0.303785	0.59423	chr20	29481298	29483859	+	0	NA	intron (N	intron (N	14756	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr2-1710	8.345504	-0.76616	0.745732	-1.02739	0.304236	0.59423	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	AluYc|SIN	-24965	NM_001136	9874	Hs.744917	NM_012290	ENSG00000	TLK1	PKU-beta	tousled l	protein-coding
chr4-1478	8.397242	-0.75986	0.74037	-1.02633	0.304738	0.59423	chr4	1.48E+08	1.48E+08	+	0	NA	intron (N	intron (N	93235	NR_039962	1.01E+08		NR_039962	ENSG00000	MIR4799	-	microRNA	ncRNA
chr6-2811	8.397242	-0.75986	0.74037	-1.02633	0.304738	0.59423	chr6	28115006	28119591	+	0	NA	Intergeni	Intergeni	-7258	NM_001320	80345	Hs.656641	NM_025231	ENSG00000	ZSCAN16	ZNF392|ZN	zinc fing	protein-coding
chr8-7065	8.397242	-0.75986	0.74037	-1.02633	0.304738	0.59423	chr8	70655267	70657591	+	0	NA	intron (N	L1PB1|LIN	12756	NM_016027	51110	Hs.118554	NM_016027	ENSG00000	LACTB2	CGI-83	lactamase	protein-coding
chr5-7929	8.343296	-0.76098	0.742941	-1.02429	0.305699	0.59423	chr5	79290640	79291296	+	0	NA	intron (N	AluSg7|SI	54837	NM_152405	133746	Hs.482605	NM_152405	ENSG00000	JMY	WHAMM2|WH	junction	protein-coding
chr7-5520	8.853927	-0.73045	0.713349	-1.02397	0.305848	0.59423	chr7	55203646	55206672	+	0	NA	intron (N	intron (N	-16210	NR_047551	1.01E+08	Hs.720489	NR_047551	ENSG00000	EGFR-AS1	-	EGFR anti	ncRNA
chr1-2085	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr1	20857597	20859047	+	0	NA	intron (N	L2a|LINE|	-71634	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-7024	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr1	70247877	70252030	+	0	NA	exon (NM_	exon (NM_	28573	NM_001350	9295	Hs.479693	NM_004768	ENSG00000	SRSF11	NET2|SFRS	serine ar	protein-coding
chr1-1201	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	14729	NM_004892	9554	Hs.632438	NM_004892	ENSG00000	SEC22B	ERS-24|SE	SEC22 hom	protein-coding
chr1-2024	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	-23454	NM_032104	4660	Hs.444403	NM_002481	ENSG00000	PPP1R12B	MYPT2|PP1	protein p	protein-coding
chr12-118	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr12	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	-44525	NM_001346	51347	Hs.644420	NM_016281	ENSG00000	TAOK3	DPK|JIK|M	TAO kinas	protein-coding
chr19-531	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr19	53164421	53167015	+	0	NA	exon (NM_	exon (NM_	-6658	NM_001172	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr20-459	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr20	45956399	45960244	+	0	NA	intron (N	AluSx1|SI	13882	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr4-1216	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	15132	NM_001154	308	Hs.480653	NM_001154	ENSG00000	ANXA5	ANX5|ENX2	annexin A	protein-coding
chr5-1772	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr5	1.77E+08	1.77E+08	+	0	NA	intron (N	AluSz|SIN	28799	NM_001031	53917	Hs.16258	NM_130781	ENSG00000	RAB24	-	RAB24, me	protein-coding
chr9-1274	8.382652	-0.75758	0.740413	-1.02319	0.306218	0.59423	chr9	1.27E+08	1.27E+08	+	0	NA	intron (N	L1MC5a|LI	31229	NM_001005	90678	Hs.495188	NM_138361	ENSG00000	LRSAM1	CMT2P|RIF	leucine r	protein-coding
chr1-3332	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr1	33322118	33327877	+	0	NA	exon (NM_	exon (NM_	-3899	NM_001080	127550		NM_001080	ENSG00000	A3GALT2	A3GALT2P|	alpha 1,3	protein-coding
chr1-3797	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr1	37971272	37988302	+	0	NA	intron (N	AluJr|SIN	10235	NM_001320	10946	Hs.77897	NM_006802	ENSG00000	SF3A3	PRP9|PRPF	splicing	protein-coding
chr1-1512	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	10290	NM_002810	5710	Hs.505059	NM_002810	ENSG00000	PSMD4	AF|AF-1|A	proteasom	protein-coding
chr1-2444	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr1	2.44E+08	2.44E+08	+	0	NA	Intergeni	L1MB7|LIN	49002	NM_001126	159	Hs.498313	NM_001126	ENSG00000	ADSS	ADEH|ADSS	adenylosu	protein-coding
chr12-575	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr12	57529148	57536405	+	0	NA	non-codin	non-codin	9952	NM_052897	114785	Hs.524523	NM_052897	ENSG00000	MBD6	-	methyl-Cp	protein-coding
chr15-657	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr15	65721588	65722981	+	0	NA	intron (N	AluJb|SIN	-2952	NR_039736	1.01E+08		NR_039736	ENSG00000	MIR4511	mir-4511	microRNA	ncRNA
chr15-727	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr15	72751038	72753312	+	0	NA	3’ UTR (N	3’ UTR (N	-30660	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr2-1331	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr2	1.33E+08	1.33E+08	+	0	NA	intron (N	L4_C_Mam|	-111691	NR_110294	1.02E+08	Hs.661917	NR_110294	ENSG00000	NCKAP5-AS	-	NCKAP5 an	ncRNA
chr22-200	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr22	20036690	20037690	+	0	NA	intron (N	intron (N	4051	NR_029706	406961		NR_029706	ENSG00000	MIR185	MIRN185|m	microRNA	ncRNA
chr4-5344	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr4	53443904	53445243	+	0	NA	intron (N	intron (N	-55504	NR_046622	1.01E+08	Hs.662372	NR_046622	ENSG00000	LNX1-AS1	-	LNX1 anti	ncRNA
chr7-7541	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr7	75414935	75425852	+	0	NA	intron (N	intron (N	10071	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WB	NSUN5 pse	pseudo
chr9-3389	8.355679	-0.75814	0.741199	-1.02286	0.306375	0.59423	chr9	33899290	33903136	+	0	NA	intron (N	L1MC3|LIN	33151	NM_001282	55833	Hs.493739	NM_018449	ENSG00000	UBAP2	UBAP-2	ubiquitin	protein-coding
chr1-3540	9.406122	-0.70493	0.690351	-1.02112	0.307199	0.59423	chr1	35403344	35403560	+	0	NA	intron (N	AluSx1|SI	-37375	NR_046659	1.01E+08	Hs.585397	NR_046659	ENSG00000	ZMYM4-AS1	-	ZMYM4 ant	ncRNA
chr2-1590	8.368061	-0.75527	0.742974	-1.01655	0.309368	0.59423	chr2	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	97851	NR_146421	85461	Hs.61590	NM_033394	ENSG00000	TANC1	ROLSB|TAN	tetratric	protein-coding
chr2-1913	8.368061	-0.75527	0.742974	-1.01655	0.309368	0.59423	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	126315	NM_001130	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr4-7311	8.368061	-0.75527	0.742974	-1.01655	0.309368	0.59423	chr4	73114793	73115506	+	0	NA	intron (N	intron (N	-45390	NM_001300	285521	Hs.356697	NM_173827	ENSG00000	COX18	COX18HS	cytochrom	protein-coding
chr5-1669	8.368061	-0.75527	0.742974	-1.01655	0.309368	0.59423	chr5	16697480	16698129	+	0	NA	intron (N	intron (N	-80746	NM_001034	54463	Hs.481704	NM_019000	ENSG00000	RETREG1	FAM134B|J	reticulop	protein-coding
chr10-875	8.86631	-0.72776	0.71643	-1.01581	0.30972	0.59423	chr10	87513383	87515894	+	0	NA	intron (N	L1MC4|LIN	6805	NM_001178	9562	Hs.121260	NM_004897	ENSG00000	MINPP1	HIPER1|MI	multiple	protein-coding
chr21-440	8.937054	-0.73364	0.722324	-1.01566	0.309789	0.59423	chr21	44076603	44076808	+	0	NA	intron (N	intron (N	2381	NM_001351	7109	Hs.126221	NM_003274	ENSG00000	TRAPPC10	EHOC-1|EH	trafficki	protein-coding
chr10-593	8.328706	-0.75867	0.748121	-1.0141	0.310534	0.59423	chr10	5936443	5936830	+	0	NA	intron (N	intron (N	32292	NM_001351	3601	Hs.445124	NM_002189	ENSG00000	IL15RA	CD215	interleuk	protein-coding
chr9-9544	8.328706	-0.75867	0.748121	-1.0141	0.310534	0.59423	chr9	95445312	95445683	+	0	NA	non-codin	non-codin	-18112	NR_038982	1.01E+08	Hs.661847	NR_038982		LOC100507	-	uncharact	ncRNA
chr1-7548	8.341088	-0.7558	0.746354	-1.01265	0.311225	0.59423	chr1	754876	755300	+	0	NA	Intergeni	MER11C|LT	23600	NR_033908	1E+08	Hs.527521	NR_033908		LOC100288	-	uncharact	ncRNA
chr1-1147	8.341088	-0.7558	0.746354	-1.01265	0.311225	0.59423	chr1	1.15E+08	1.15E+08	+	0	NA	exon (NM_	exon (NM_	-9462	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr11-949	8.341088	-0.7558	0.746354	-1.01265	0.311225	0.59423	chr11	9490805	9491722	+	0	NA	intron (N	intron (N	30251	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr5-1280	8.341088	-0.7558	0.746354	-1.01265	0.311225	0.59423	chr5	1.28E+08	1.28E+08	+	0	NA	non-codin	non-codin	60234	NR_152807	644873	Hs.340623	NR_015360	ENSG00000	LINC01184	-	long inte	ncRNA
chr19-365	11.09635	-0.584	0.579531	-1.00772	0.31359	0.59423	chr19	36534750	36557855	+	0	NA	3’ UTR (N	3’ UTR (N	-18031	NM_001166	339324	Hs.18103	NM_001012	ENSG00000	ZNF260	OZRF1|PEX	zinc fing	protein-coding
chr6-2663	11.09635	-0.584	0.579531	-1.00772	0.31359	0.59423	chr6	26633106	26646823	+	0	NA	intron (N	L2a|LINE|	19782	NM_024639	79692	Hs.126280	NM_024639	ENSG00000	ZNF322	HCG12|ZNF	zinc fing	protein-coding
chr7-7319	11.09635	-0.584	0.579531	-1.00772	0.31359	0.59423	chr7	73197436	73199989	+	0	NA	non-codin	non-codin	-21927	NR_003186	654816	Hs.655201	NR_003186	ENSG00000	NCF1B	NCF-1B|SH	neutrophi	pseudo
chr10-936	8.353471	-0.75288	0.748163	-1.0063	0.314269	0.59423	chr10	93693982	93694843	+	0	NA	intron (N	intron (N	8160	NM_001347	118924	Hs.586650	NM_145246	ENSG00000	FRA10AC1	C10orf4|F	FRA10A as	protein-coding
chr7-6683	13.32198	-0.48396	0.481337	-1.00546	0.314676	0.59423	chr7	6683922	6705642	+	0	NA	intron (N	intron (N	12165	NM_016265	7559	Hs.431471	NM_006956	ENSG00000	ZNF12	GIOT-3|HZ	zinc fing	protein-coding
chr6-5871	13.29501	-0.48405	0.48197	-1.00432	0.315225	0.59423	chr6	58715455	58715659	+	0	NA	Intergeni	ALR/Alpha	-754111	NR_132994	1.07E+08	Hs.561539	NR_125727	ENSG00000	LINC00680	-	long inte	ncRNA
chr22-507	11.10874	-0.58234	0.580138	-1.0038	0.315473	0.59423	chr22	50798688	50801263	+	0	NA	TTS (NR_0	TTS (NR_0	16246	NR_026982	284942	Hs.406135	NM_203302		RPL23AP82	RPL23A_43	ribosomal	pseudo
chr2-9514	11.08176	-0.58256	0.580362	-1.00378	0.315483	0.59423	chr2	95145210	95157613	+	0	NA	intron (N	MLT1E3|LT	8174	NM_001318	84874	Hs.355664	NM_032788	ENSG00000	ZNF514	-	zinc fing	protein-coding
chr3-1194	11.09415	-0.58089	0.580974	-0.99985	0.317382	0.59423	chr3	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	32994	NM_018266	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr19-438	10.5959	-0.59489	0.60634	-0.98112	0.326534	0.59423	chr19	43827962	43853429	+	0	NA	intron (N	AluY|SINE	13374	NM_001297	284349	Hs.652513	NM_181845	ENSG00000	ZNF283	HZF19|HZF	zinc fing	protein-coding
chr19-440	10.5959	-0.59489	0.60634	-0.98112	0.326534	0.59423	chr19	44096578	44111376	+	0	NA	intron (N	AluSz6|SI	9206	NR_033341	1E+08	Hs.585869	NR_033341	ENSG00000	LOC100379	-	uncharact	ncRNA
chr19-519	10.5959	-0.59489	0.60634	-0.98112	0.326534	0.59423	chr19	51962903	51978303	+	0	NA	intron (N	intron (N	16237	NM_021632	59348	Hs.407694	NM_021632	ENSG00000	ZNF350	ZBRK1|ZFQ	zinc fing	protein-coding
chrX-4133	10.5959	-0.59489	0.60634	-0.98112	0.326534	0.59423	chrX	41335286	41349320	+	0	NA	intron (N	intron (N	8137	NM_001363	1654	Hs.728563	NM_001356	ENSG00000	DDX3X	CAP-Rf|DE	DEAD-box	protein-coding
chr19-581	12.83611	-0.49027	0.500632	-0.97931	0.327428	0.59423	chr19	58184222	58214813	+	0	NA	intron (N	AluSz|SIN	16456	NM_133502	10782	Hs.83761	NM_016324	ENSG00000	ZNF274	HFB101|ZF	zinc fing	protein-coding
chr20-294	15.0078	-0.4166	0.426885	-0.97591	0.32911	0.59423	chr20	29478612	29480452	+	0	NA	intron (N	intron (N	17802	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr19-488	10.09765	-0.61048	0.633772	-0.96324	0.335427	0.59423	chr19	48872647	48878451	+	0	NA	intron (N	intron (N	3157	NM_014330	23645	Hs.631593	NM_014330	ENSG00000	PPP1R15A	GADD34	protein p	protein-coding
chr1-2255	10.13921	-0.61194	0.637716	-0.95958	0.337268	0.59423	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-71883	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr1-1204	10.08306	-0.60873	0.634804	-0.95893	0.337592	0.59423	chr1	1.2E+08	1.2E+08	+	0	NA	intron (N	L1P2|LINE	-24468	NR_003242	767846	Hs.657186	NR_003242	ENSG00000	PFN1P2	C1orf152|	profilin	pseudo
chr1-1514	10.08306	-0.60873	0.634804	-0.95893	0.337592	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	L1MB3|LIN	16643	NM_207171	23126	Hs.489873	NM_015100	ENSG00000	POGZ	MRD37|WHS	pogo tran	protein-coding
chr1-2008	10.08306	-0.60873	0.634804	-0.95893	0.337592	0.59423	chr1	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	-23178	NM_005298	2848	Hs.534316	NM_005298	ENSG00000	GPR25	-	G protein	protein-coding
chr15-496	10.08306	-0.60873	0.634804	-0.95893	0.337592	0.59423	chr15	49624088	49626422	+	0	NA	exon (NM_	exon (NM_	4207	NM_020234	56986	Hs.127432	NM_020234	ENSG00000	DTWD1	MDS009	DTW domai	protein-coding
chr19-577	10.08306	-0.60873	0.634804	-0.95893	0.337592	0.59423	chr19	57718979	57725871	+	0	NA	exon (NM_	exon (NM_	5199	NM_024833	79891	Hs.180402	NM_024833	ENSG00000	ZNF671	-	zinc fing	protein-coding
chr20-358	10.11003	-0.60844	0.634683	-0.95866	0.337732	0.59423	chr20	35841583	35844420	+	0	NA	intron (N	AluSg4|SI	70986	NM_016436	51230	Hs.517044	NM_016436	ENSG00000	PHF20	C20orf104	PHD finge	protein-coding
chr3-1504	10.11003	-0.60844	0.634683	-0.95866	0.337732	0.59423	chr3	1.5E+08	1.5E+08	+	0	NA	exon (NM_	exon (NM_	2678	NM_014779	9819	Hs.722470	NM_014779	ENSG00000	TSC22D2	TILZ4a|TI	TSC22 dom	protein-coding
chr5-1634	10.11003	-0.60844	0.634683	-0.95866	0.337732	0.59423	chr5	1.63E+08	1.63E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6331	NM_004060	900	Hs.79101	NM_004060	ENSG00000	CCNG1	CCNG	cyclin G1	protein-coding
chr15-664	10.09544	-0.60669	0.635721	-0.95433	0.339916	0.59423	chr15	66498245	66504392	+	0	NA	promoter-	promoter-	0	NR_002443	595100		NR_002443	ENSG00000	SNORD18C	U18C	small nuc	snoRNA
chr5-7008	10.59148	-0.5877	0.616513	-0.95327	0.340452	0.59423	chr5	70082328	70082580	+	0	NA	Intergeni	L1PA3|LIN	32931	NM_022874	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr19-528	12.2963	-0.49733	0.521873	-0.95298	0.340602	0.59423	chr19	52835707	52856041	+	0	NA	intron (N	AluSp|SIN	11745	NR_102301	90333	Hs.467223	NM_199132	ENSG00000	ZNF468	-	zinc fing	protein-coding
chr9-4099	14.32234	0.429541	0.452495	0.949273	0.342482	0.59423	chr9	40995501	40997202	+	0	NA	intron (N	L1MEc|LIN	4090	NR_156730	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr1-1542	9.584809	-0.62599	0.66361	-0.94331	0.345521	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-5816	NM_001010	388701	Hs.104967	NM_001010	ENSG00000	C1orf189	-	chromosom	protein-coding
chr4-1867	9.584809	-0.62599	0.66361	-0.94331	0.345521	0.59423	chr4	1.87E+08	1.87E+08	+	0	NA	exon (NM_	exon (NM_	16354	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr7-7518	9.584809	-0.62599	0.66361	-0.94331	0.345521	0.59423	chr7	75188916	75191574	+	0	NA	intron (N	intron (N	-18247	NR_003187	654817	Hs.647047	NR_003187	ENSG00000	NCF1C	SH3PXD1C	neutrophi	pseudo
chr12-110	9.611782	-0.62566	0.663341	-0.94319	0.345585	0.59423	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	L1M4c|LIN	32609	NM_001347	28981	Hs.528382	NM_014055	ENSG00000	IFT81	CDV-1|CDV	intraflag	protein-coding
chr5-4082	9.611782	-0.62566	0.663341	-0.94319	0.345585	0.59423	chr5	40825179	40834722	+	0	NA	3’ UTR (N	3’ UTR (N	2785	NR_002583	619564		NR_002583	ENSG00000	SNORD72	HBII-240	small nuc	snoRNA
chr21-912	12.30648	-0.49362	0.524056	-0.94192	0.346233	0.59423	chr21	9126152	9126861	+	0	NA	intron (N	LTR6A|LTR	3255	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr1-2045	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	AluSq2|SI	24078	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr1-2200	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	AluSz6|SI	36574	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUP	glutamyl-	protein-coding
chr1-2243	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	exon (NM_	exon (NM_	14512	NM_001277	29097	Hs.445890	NM_014184	ENSG00000	CNIH4	CNIH-4|CN	cornichon	protein-coding
chr10-320	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr10	32008275	32023809	+	0	NA	intron (N	AluJb|SIN	40383	NM_004521	3799	Hs.327736	NM_004521	ENSG00000	KIF5B	HEL-S-61|	kinesin f	protein-coding
chr11-105	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr11	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	5107	NM_033292	834	Hs.2490	NM_001223	ENSG00000	CASP1	ICE|IL1BC	caspase 1	protein-coding

chr12-791	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr12	7917590	7935474	+	0	NA	intron (N	intron (N	9655	NM_006931	6515	Hs.419240	NM_006931	ENSG00000	SLC2A3	GLUT3	solute ca	protein-coding
chr15-603	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr15	60350534	60362489	+	0	NA	intron (N	L1MA4|LIN	41475	NM_001002	302	Hs.511605	NM_004039	ENSG00000	ANXA2	ANX2|ANX2	annexin A	protein-coding
chr15-929	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr15	92931043	92990931	+	0	NA	intron (N	AluSz6|SI	56588	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr17-186	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr17	18666786	18681103	+	0	NA	intron (N	L2|LINE|L	8370	NM_001368	2310	Hs.592126	NM_001368134		FOXO3B	FKHRL1P1|	forkhead	protein-coding
chr17-289	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr17	28909690	28925612	+	0	NA	intron (N	intron (N	-8624	NR_110803	1.02E+08	Hs.665702	NR_110803	ENSG00000	LOC101927	-	uncharact	ncRNA
chr17-801	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr17	80132313	80145418	+	0	NA	intron (N	intron (N	8263	NM_014740	9775	Hs.389649	NM_014740	ENSG00000	EIF4A3	DDX48|Fal	eukaryoti	protein-coding
chr19-483	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr19	4837094	4845158	+	0	NA	intron (N	L1MB7|LIN	-9384	NM_182919	148022	Hs.29344	NM_014261	ENSG00000	TICAM1	IIAE6|MyD	toll like	protein-coding
chr2-2622	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr2	26222422	26239777	+	0	NA	intron (N	intron (N	13533	NM_000182	3030	Hs.516032	NM_000182	ENSG00000	HADHA	ECHA|GBP|	hydroxyac	protein-coding
chr2-1010	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr2	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	2830	NM_000993	6160	Hs.469473	NM_000993	ENSG00000	RPL31	L31	ribosomal	protein-coding
chr2-2008	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr2	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	7176	NM_001162	1195	Hs.433732	NM_004071	ENSG00000	CLK1	CLK|CLK/S	CDC like	protein-coding
chr2-2182	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr2	2.18E+08	2.18E+08	+	0	NA	intron (N	intron (N	-15613	NM_001321	151306	Hs.160954	NM_170699	ENSG00000	GPBAR1	BG37|GPCR	G protein	protein-coding
chr3-5009	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr3	50090063	50121102	+	0	NA	non-codir	non-codir	-4594	NR_045388	1.01E+08	Hs.439480	NR_045388	ENSG00000	RBM5-AS1	LUST	RBM5 anti	ncRNA
chr5-1506	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	5741	NM_018047	55696	Hs.713564	NM_018047	ENSG00000	RBM22	Cwc2|ZC3H	RNA bindi	protein-coding
chr6-3152	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr6	31529647	31541049	+	0	NA	intron (N	intron (N	1101	NR_003140	692233		NR_003140	ENSG00000	SNORD117	U83	small nuc	snoRNA
chr6-6357	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr6	63576260	63583859	+	0	NA	exon (NM_	exon (NM_	8047	NM_003463	7803	Hs.227777	NM_003463	ENSG00000	PTP4A1	HH72|PRL-	protein t	protein-coding
chr7-2351	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr7	23512135	23522091	+	0	NA	intron (N	AluSc|SIN	14868	NM_001362	29896	Hs.445652	NM_013293	ENSG00000	TRA2A	AWMS1|HSL	transform	protein-coding
chr7-2618	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr7	26188508	26199513	+	0	NA	intron (N	intron (N	6736	NM_002137	3181	Hs.487774	NM_002137	ENSG00000	HNRNPA2B1	HNRNPA2|H	heteroger	protein-coding
chr7-6628	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr7	66287094	66287732	+	0	NA	intron (N	L1HS|LINE	82079	NM_003596	8460	Hs.421194	NM_003596	ENSG00000	TPST1	TANGO13A	tyrosylpr	protein-coding
chr7-7542	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr7	75426723	75442472	+	0	NA	intron (N	AluSx|SIN	24275	NR_104013	155400	Hs.436034	NM_001039	ENSG00000	NSUN5P1	NSUN5B|WE	NSUN5 pse	pseudo
chr8-1168	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr8	1.17E+08	1.17E+08	+	0	NA	intron (N	MSTB|LTR|	-26559	NR_033886	644660	Hs.706174	NR_033886	ENSG00000	RAD21-AS1	C8orf81|N	RAD21 ant	ncRNA
chr9-9214	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr9	92142573	92145603	+	0	NA	intron (N	MIRb|SINE	2621	NR_027341	158314	Hs.149940	NR_027341		LINC00475	C9orf44	long inte	ncRNA
chr9-1286	9.597192	-0.62376	0.663515	-0.94008	0.347176	0.59423	chr9	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	4310	NM_001248	6418	Hs.436687	NM_003011	ENSG00000	SET	2PP2A|I2P	SET nucle	protein-coding
chr10-500	9.582601	-0.62184	0.665624	-0.93422	0.350192	0.59423	chr10	50097180	50102099	+	0	NA	intron (N	intron (N	31685	NM_001005	387680	Hs.365286	NM_018232	ENSG00000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr12-561	9.582601	-0.62184	0.665624	-0.93422	0.350192	0.59423	chr12	56158949	56163016	+	0	NA	intron (N	intron (N	2623	NM_021019	4637	Hs.632717	NM_021019	ENSG00000	MYL6	ESMLC|LC1	myosin li	protein-coding
chr2-2267	9.582601	-0.62184	0.665624	-0.93422	0.350192	0.59423	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	L1PA3|LIN	12952	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding
chr9-1278	9.08656	-0.64535	0.694407	-0.92936	0.352704	0.59423	chr9	1.28E+08	1.28E+08	+	0	NA	intron (N	LTR41|LTR	2181	NM_001287	30815	Hs.109672	NM_013443	ENSG00000	ST6GALNAC	SIAT7-F|S	ST6 N-ace	protein-coding
chr12-133	11.81044	-0.50475	0.543583	-0.92857	0.353113	0.59423	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	LTR5A|LTR	16217	NM_001300	7699	Hs.181552	NM_003440	ENSG00000	ZNF140	pHZ-39	zinc fing	protein-coding
chr1-3945	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	39451899	39475036	+	0	NA	intron (N	AluSp|SIN	-28169	NM_181809	353500	Hs.472497	NM_181809	ENSG00000	BMP8A	-	bone morp	protein-coding
chr1-1178	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.18E+08	1.18E+08	+	0	NA	intron (N	MSTB1-int	54574	NM_017686	54834	Hs.310809	NM_017686	ENSG00000	GDAP2	MACROD3|S	gangliosi	protein-coding
chr1-1508	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	33267	NM_001197	405	Hs.632446	NM_001668	ENSG00000	ARNT	HIF-1-bet	aryl hydr	protein-coding
chr1-1562	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	intron (N	7848	NM_015327	23381	Hs.516837	NM_015327	ENSG00000	SMG5	EST1B|LPT	SMG5 nons	protein-coding
chr1-1602	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.6E+08	1.6E+08	+	0	NA	TTS (NR_C	TTS (NR_C	-22526	NR_147618	1E+08	Hs.657648	NR_147618	ENSG00000	LOC100287	-	uncharact	ncRNA
chr1-1698	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.7E+08	1.7E+08	+	0	NA	intron (N	L2b|LINE|	27353	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr1-1734	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	1.73E+08	1.73E+08	+	0	NA	non-codir	non-codir	242	NR_125960	1.02E+08	Hs.674889	NR_125960	ENSG00000	LOC101928	-	uncharact	ncRNA
chr1-2329	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	7778	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|H	nucleosic	protein-coding
chr10-149	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr10	14916581	14922559	+	0	NA	intron (N	intron (N	34526	NM_001033	64421	Hs.655932	NM_022487	ENSG00000	DCLRE1C	A-SCID|DC	DNA cross	protein-coding
chr12-530	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr12	53015392	53042827	+	0	NA	intron (N	AluSz|SIN	-17917	NM_198316	23371	Hs.6147	NM_015319	ENSG00000	TNS2	C1-TEN|C1	tensin 2	protein-coding
chr12-561	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr12	56106400	56114432	+	0	NA	exon (NM_	exon (NM_	5857	NM_006191	5036	Hs.524498	NM_006191	ENSG00000	PA2G4	EBP1|HG4-	prolifera	protein-coding
chr12-567	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr12	56710712	56716257	+	0	NA	intron (N	MER20|DNA	11815	NM_001113	4666	Hs.505735	NM_005594	ENSG00000	NACA	HSD48|NAC	nascent p	protein-coding
chr14-688	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr14	68869644	68894777	+	0	NA	intron (N	AluSx|SIN	-85967	NM_001244	677	Hs.85155	NM_004926	ENSG00000	ZFP36L1	BRF1|Berg	ZFP36 rir	protein-coding
chr14-103	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSq2|SI	39075	NM_001371231								
chr15-785	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr15	78542493	78550107	+	0	NA	intron (N	AluJo|SIN	5614	NM_001330	5685	Hs.251531	NM_002789	ENSG00000	PSMA4	HC9|HsT17	proteasom	protein-coding
chr17-766	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr17	7667929	7676330	+	0	NA	intron (N	AluSx1|SI	3115	NM_001276	7157	Hs.437460	NM_000546	ENSG00000	TP53	BCC7|BMFS	tumor pro	protein-coding
chr17-418	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr17	41866569	41894935	+	0	NA	intron (N	AluY|SINE	-15329	NM_018143	55175	Hs.13268	NM_018143	ENSG00000	KLHL11	-	kelch lik	protein-coding
chr17-645	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr17	64509227	64513317	+	0	NA	intron (N	MER11C|LT	4295	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr19-836	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	8368021	8374664	+	0	NA	exon (NM_	exon (NM_	7187	NM_001039	51129	Hs.9613	NM_016109	ENSG00000	ANGPTL4	ARP4|FIAF	angiopoie	protein-coding
chr19-118	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	11815588	11836841	+	0	NA	intron (N	FLAM_C|SI	11941	NM_152357	126070	Hs.418192	NM_152357	ENSG00000	ZNF440	-	zinc fing	protein-coding
chr19-236	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	23652432	23664417	+	0	NA	intron (N	AluSg|SIN	28788	NM_138330	171392	Hs.264345	NM_138330	ENSG00000	ZNF675	TBZF|TIZ	zinc fing	protein-coding
chr19-367	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	36744547	36766599	+	0	NA	intron (N	L1MEd|LIN	17234	NM_001193	342892	Hs.406307	NM_001193	ENSG00000	ZNF850	ZNF850P	zinc fing	protein-coding
chr19-440	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	44054074	44068885	+	0	NA	intron (N	MLT1D|LTR	9443	NM_013361	7766	Hs.720813	NM_013361	ENSG00000	ZNF223	-	zinc fing	protein-coding
chr19-523	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr19	52345827	52369232	+	0	NA	intron (N	AluY|SINE	12100	NM_173530	162963	Hs.147025	NM_173530	ENSG00000	ZNF610	-	zinc fing	protein-coding
chr2-3710	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr2	37106862	37109938	+	0	NA	intron (N	L2b|LINE|	23949	NM_001322	253635	Hs.595250	NM_174931	ENSG00000	GPATCH11	CCDC75|CE	G-patch c	protein-coding
chr2-2083	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr2	2.08E+08	2.08E+08	+	0	NA	exon (NM_	exon (NM_	-34079	NM_001309	5746	Hs.570296	NM_005048	ENSG00000	PTH2R	PTHR2	parathyro	protein-coding
chr2-2164	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr2	2.16E+08	2.16E+08	+	0	NA	intron (N	intron (N	16673	NM_001127	50485	Hs.516674	NM_014140	ENSG00000	SMARCAL1	HARP|HHAR	SWI/SNF r	protein-coding
chr2-2412	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr2	2.41E+08	2.41E+08	+	0	NA	exon (NM_	exon (NM_	23900	NM_001320	3069	Hs.471851	NM_005336	ENSG00000	HDLBP	HBP|PRO29	high dens	protein-coding
chr20-144	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr20	1442002	1465365	+	0	NA	intron (N	intron (N	14009	NR_038164	55968	Hs.12865	NM_016143	ENSG00000	NSFL1C	P47|UBX1|	NSFL1 cof	protein-coding
chr22-287	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr22	28792791	28798860	+	0	NA	intron (N	intron (N	4747	NM_005080	7494	Hs.437638	NM_005080	ENSG00000	XBP1	TREB-5|TR	X-box bir	protein-coding
chr22-292	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr22	29271081	29301570	+	0	NA	intron (N	intron (N	18057	NM_001163	2130	Hs.374477	NM_005243	ENSG00000	EWSR1	EWS|EWS-F	EWS RNA b	protein-coding
chr22-384	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr22	38480492	38491647	+	0	NA	exon (NM_	exon (NM_	17973	NM_006855	11015	Hs.745072	NM_006855	ENSG00000	KDELR3	ERD2L3	KDEL endo	protein-coding
chr3-5268	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr3	52687225	52699330	+	0	NA	TTS (NR_C	TTS (NR_C	541	NR_003057	692109		NR_003057	ENSG00000	SNORD69	HBII-210	small nuc	snoRNA
chr5-7290	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr5	72900420	72910191	+	0	NA	exon (NM_	exon (NM_	26714	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr5-1393	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-16011	NR_109830	51247	Hs.396644	NM_016480	ENSG00000	PAIP2	PAIP-2|PA	poly(A) b	protein-coding
chr5-1802	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	AluSx1|SI	21737	NM_001308	5601	Hs.484371	NM_002752	ENSG00000	MAPK9	JNK-55|JN	mitogen-a	protein-coding
chr6-7525	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr6	75254089	75266291	+	0	NA	intron (N	AluSx3|SI	-9892	NM_001865	1347	Hs.70312	NM_001865	ENSG00000	COX7A2	COX7AL|CO	cytochrom	protein-coding
chr7-1287	9.098943	-0.6429	0.69297	-0.92774	0.353541	0.59423	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	Charlie2b	9476	NM_001708	611	Hs.656404	NM_001708	ENSG00000	OPN1SW	BCP|BOP|(	opsin 1,	protein-coding
chr9-1104	9.594984	-0.61954	0.667962	-0.92751	0.353662	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSg4|SI	-104596	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr21-665	8.671136	0.676478	0.730752	0.925729	0.354587	0.59423	chr21	6655410	6656879	+	0	NA	Intergeni	AluSc|SIN	94224	NM_001363	1409	Hs.184085	NM_000394	ENSG00000	CRYAA	CRYA1|CTR	crystalli	protein-coding
chr15-494	9.07197	-0.64329	0.695634	-0.92475	0.355094	0.59423	chr15	49483126	49484746	+	0	NA	intron (N	intron (N	60694	NM_002009	2252	Hs.567268	NM_002009	ENSG00000	FGF7	HBGF-7|KG	fibroblas	protein-coding
chr16-849	9.125916	-0.6425	0.695246	-0.92414	0.355414	0.59423	chr16	84973932	84977565	+	0	NA	3’ UTR (N	3’ UTR (N	35787	NM_001145	55625	Hs.461610	NM_017740	ENSG00000	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr2-1743	9.125916	-0.6425	0.695246	-0.92414	0.355414	0.59423	chr2	1.74E+08	1.74E+08	+	0	NA	intron (N	L1PA6|LIN	24944	NM_001145	1E+08		NM_001145	ENSG00000	SP9	ZNF990	Sp9 trans	protein-coding
chr1-8857	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr1	8857078	8873475	+	0	NA	intron (N	intron (N	1314	NR_106786	1.02E+08		NR_106786	ENSG00000	MIR6728	hsa-mir-6	microRNA	ncRNA
chr1-1444	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr1	1.44E+08	1.44E+08	+	0	NA	intron (N	L1MC2|LIN	2257	NM_173638	284565	Hs.523572	NM_173638	ENSG00000	NBPF15	AB14|AG3|	NBPF memb	protein-coding
chr1-2237	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	MIR3|SINE	45256	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr10-779	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr10	7798186	7808566	+	0	NA	intron (N	MER2|DNA|	-15129	NM_031923	83860	Hs.527688	NM_031923	ENSG00000	TAF3	TAF140|TA	TATA-box	protein-coding
chr11-625	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr11	62561804	62573212	+	0	NA	promoter-	promoter-	-437	NR_106805	1.02E+08		NR_106805	ENSG00000	MIR6747	hsa-mir-6	microRNA	ncRNA
chr12-128	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr12	12824046	12830553	+	0	NA	exon (NM_	exon (NM_	13953	NM_016355	51202	Hs.719938	NM_016355	ENSG00000	DDX47	E4-DBP|HG	DEAD-box	protein-coding
chr15-671	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr15	67183647	67193610	+	0	NA	intron (N	intron (N	22473	NM_001145	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr16-756	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr16	75654237	75658732	+	0	NA	exon (NM_	exon (NM_	8711	NM_018975	54386	Hs.301419	NM_018975	ENSG00000	TERF2IP	DRIP5|RAP	TERF2 int	protein-coding
chr17-402	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr17	40256740	40258723	+	0	NA	intron (N	AluSz|SIN	-30148	NM_001254	990	Hs.405958	NM_001254	ENSG00000	CDC6	CDC18L|Hs	cell divi	protein-coding
chr18-460	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr18	46075995	46096438	+	0	NA	exon (NM_	exon (NM_	12080	NM_001257	498	Hs.298280	NM_004046	ENSG00000	ATP5F1A	ATP5A|ATP	ATP synth	protein-coding
chr19-173	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr19	17313649	17317008	+	0	NA	intron (N	(AT)n|Sim	5765	NM_024050	79016	Hs.466154	NM_024050	ENSG00000	DDA1	C19orf58|	DET1 and	protein-coding
chr2-2002	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr2	20027796	20042161	+	0	NA	exon (NM_	exon (NM_	16650	NM_014713	9741	Hs.467807	NM_014713	ENSG00000	LAPTM4A	HUMORF13|	lysosomal	protein-coding
chr2-3339	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr2	33397118	33398783	+	0	NA	intron (N	intron (N	-20566	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr22-287	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr22	28743917	28747416	+	0	NA	intron (N	MIR3|SINE	2985	NM_001318	150274	Hs.632780	NM_172002	ENSG00000	HSCB	DNAJC20|H	HscB mito	protein-coding
chr3-9425	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr3	9425268	9452007	+	0	NA	intron (N	intron (N	40937	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-4906	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr3	49062817	49066238	+	0	NA	intron (N	AluSx1|SI	29105	NM_001320	54870	Hs.297389	NM_017730	ENSG00000	QRICH1	AB-DIP|VE	glutamine	protein-coding
chr4-3944	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr4	39448906	39458455	+	0	NA	TTS (NM_C	TTS (NM_C	5268	NM_000661	6133	Hs.412370	NM_000661	ENSG00000	RPL9	L9|NPC-A-	ribosomal	protein-coding
chr5-2747	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr5	27473395	27482331	+	0	NA	intron (N	MER61C|LT	5571	NR_038848	643401	Hs.533212	NR_038848	ENSG00000	PURPL	LINC01021	p53 upreg	ncRNA
chr6-3062	9.084353	-0.64084	0.694193	-0.92314	0.355936	0.59423	chr6	30628271	30631314	+	0	NA	intron (N	AluY|SINE	2918	NM_001031	79969	Hs.654798	NM_024909	ENSG00000	ATAT1	C6orf134|	alpha tub	protein-coding
chr15-281	9.140507	-0.64459	0.69843	-0.92291	0.356056	0.59423	chr15	28174280	28174512	+	0	NA	exon (NM_	exon (NM_	-75081	NM_000275	4948	Hs.654411	NM_000275	ENSG00000	OCA2	BEY|BEY1|	OCA2 mela	protein-coding
chr18-764	9.140507	-0.64459	0.69843	-0.92291	0.356056	0.59423	chr18	76458428	76459141	+	0	NA	intron (N	CpG	-32868	NR_136504	1.02E+08	Hs.665186	NR_136504	ENSG00000	LOC101927	-	uncharact	ncRNA
chr11-170	9.111326	-0.64044	0.694291	-0.92244	0.356299	0.59423	chr11	17073563	17077302	+	0	NA	promoter-	promoter-	436	NR_001452	85388		NR_001452	ENSG00000	SNORD14B	RNU14B|U1	small nuc	snoRNA
chr15-101	9.111326	-0.64044	0.694291	-0.92244	0.356299	0.59423	chr15	1.01E+08	1.01E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4804	NM_018445	55829	Hs.32148	NM_018445	ENSG00000	SELENOS	AD-015|AD	selenopro	protein-coding
chr17-161	9.111326	-0.64044	0.694291	-0.92244	0.356299	0.59423	chr17	16112563	16121102	+	0	NA	intron (N	Charlie1a	36364	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr2-2743	9.111326	-0.64044	0.694291	-0.92244	0.356299	0.59423	chr2	27433230	27441406	+	0	NA	exon (NM_	exon (NM_	-5048	NM_001168	200634	Hs.59509	NM_173853	ENSG00000	KRTCAP3	KCP3	keratinoc	protein-coding
chr7-5981	9.111326	-0.64044	0.694291	-0.92244	0.356299	0.59423	chr7	5981498	5983383	+	0	NA	intron (N	AluSq2|SI	-11757	NM_173565	222967	Hs.442339	NM_173565	ENSG00000	RSPH10B	-	radial sp	protein-coding
chr20-535	11.8352	-0.50191	0.545578	-0.91995	0.357596	0.59423	chr20	53580623	53582447	+	0	NA	exon (NM_	exon (NM_	1562	NM_006526	7764	Hs.155040	NM_006526	ENSG00000	ZNF217	ZABC1	zinc fing	protein-coding
chr1-1830	9.580394	-0.61752	0.672135	-0.91875	0.358227	0.59423	chr1	1.83E+08	1.83E+08	+	0	NA	intron (N	L1PA7|LIN	43276	NM_002293	3915	Hs.609663	NM_002293	ENSG00000	LAMC1	LAMB2	laminin s	protein-coding
chr1-2201	8.615285	-0.66671	0.726032	-0.91829	0.358466	0.59423	chr1	2.2E+08	2.2E+08	+	0	NA	intron (N	FLAM_C|SI	-34566	NR_029711	406969		NR_029711	ENSG00000	MIR194-1	MIRN194-1	microRNA	ncRNA
chr19-266	8.615285	-0.66671	0.726032	-0.91829	0.358466	0.59423	chr19	26627738	26628599	+	0	NA	Intergeni	ALR/Alpha	-1165263	NR_146735	1.02E+08	Hs.567934	NR_110687	ENSG00000	LOC101927	-	uncharact	ncRNA
chr2-6130	8.615285	-0.66671	0.726032	-0.91829	0.358466	0.59423	chr2	61304951	61307161	+	0	NA	intron (N	L1PA5|LIN	111321	NR_003707	1E+08	Hs.675825	NR_003707	ENSG00000	SNORA70B	-	small nuc	snoRNA
chr6-1473	8.615285	-0.66671	0.726032	-0.91829	0.358466	0.59423	chr6	1.47E+08	1.47E+08	+	0	NA	exon (NM_	exon (NM_	-149424	NM_001030	389432	Hs.567973	NM_001030	ENSG00000	SAMD5	dJ875H10.	sterile a	protein-coding
chr1-4284	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr1	42848222	42852449	+	0	NA	intron (N	MamRep38|	3722	NM_001242	51058	Hs.20879	NM_015911	ENSG00000	ZNF691	Zfp691	zinc fing	protein-coding
chr1-1613	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluSz6|SI	14968	NM_001035	6391	Hs.444472	NM_003001	ENSG00000	SDHC	CYB560|CY	succinate	protein-coding
chr1-2432	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr1	2.43E+08	2.43E+08	+	0	NA	intron (N	intron (N	26131	NM_006642	10806	Hs.591530	NM_006642	ENSG00000	SDCCAG8	BBS16|CCC	serologic	protein-coding
chr10-545	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr10	5456667	5457071	+	0	NA	non-codir	non-codir	10260	NM_005863	10276	Hs.25155	NM_005863	ENSG00000	NET1	ARHGEF8|N	neuroepit	protein-coding
chr11-209	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr11	209371	215428	+	0	NA	intron (N	intron (N	3063	NR_106801	1.02E+08		NR_106801	ENSG00000	MIR6743	hsa-mir-6	microRNA	ncRNA
chr19-186	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr19	18667923	18669259	+	0	NA	TTS (NM_C	TTS (NM_C	-15089	NM_015321	23373	Hs.371096	NM_015321	ENSG00000	CRTC1	MAML2|MEC	CREB regu	protein-coding
chr7-1344	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr7	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	2428	NM_001628	231	Hs.521212	NM_001628	ENSG00000	AKR1B1	ADR|ALDR1	aldo-keto	protein-coding
chr8-4729	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr8	47291283	47292088	+	0	NA	intron (N	intron (N	30747	NM_001080	23514	Hs.381058	NM_001080	ENSG00000	SPIDR	KIAA0146	scaffold	protein-coding
chr8-9623	8.600694	-0.66446	0.72365	-0.9182	0.358513	0.59423	chr8	96230358	96232944	+	0	NA	intron (N	MIR3|SINE	3983	NM_006294	7381	Hs.131255	NM_006294	ENSG00000	UQCRB	MC3DN3|QC	ubiquinol	protein-coding
chr12-293	9.096735	-0.63836	0.695522	-0.91782	0.358713	0.59423	chr12	29371119	29371416	+	0	NA	intron (N	MIR|SINE|	9905	NM_016570	51290	Hs.339453	NM_016570	ENSG00000	ERGIC2	CDA14|Erv	ERGIC anc	protein-coding
chr16-895	9.096735	-0.63836	0.695522	-0.91782	0.358713	0.59423	chr16	89560937	89565355	+	0	NA	3’ UTR (N	3’ UTR (N	1716	NR_002450	606500		NR_002450		SNORD68	HBII-202	small nuc	snoRNA
chr3-1056	9.096735	-0.63836	0.695522	-0.91782	0.358713	0.59423	chr3	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	174253	NM_001321	868	Hs.430589	NM_170662	ENSG00000	CBLB	Cbl-b|Nbl	Cbl proto	protein-coding
chr9-4118	8.64637	0.672311	0.734357	0.91551	0.359924	0.59423	chr9	41182109	41182524	+	0	NA	intron (N	intron (N	7048	NM_001085	644019	Hs.597638	NM_001085	ENSG00000	CBWD6	CBWD7	COBW doma	protein-coding
chr1-9448	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr1	94488435	94493777	+	0	NA	intron (N	L1MA9|LIN	50653	NM_001993	2152	Hs.62192	NM_001993	ENSG00000	F3	CD142|TF|	coagulati	protein-coding
chr1-1809	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr1	1.81E+08	1.81E+08	+	0	NA	3’ UTR (N	3’ UTR (N	7731	NR_145481	1.03E+08	Hs.665319	NR_145481	ENSG00000	KIAA1614-	-	KIAA1614	ncRNA
chr10-300	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr10	30022295	30029576	+	0	NA	intron (N	intron (N	33651	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr11-704	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr11	70404342	70439929	+	0	NA	intron (N	intron (N	23606	NM_001184	2017	Hs.596164	NM_005231	ENSG00000	CTTN	EMS1	cortactin	protein-coding
chr12-537	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr12	53712829	53725581	+	0	NA	intron (N	intron (N	8247	NR_026554	57658	Hs.156667	NM_020898	ENSG00000	CALCOCO1	Cocoa|PP1	calcium b	protein-coding
chr12-881	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr12	88162632	88163672	+	0	NA	intron (N	AluSp|SIN	20845	NR_159381	160418	Hs.331268	NM_181783	ENSG00000	TMTC3	LIS8|SMII	transmemb	protein-coding
chr12-121	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	L4_B_Mam|	4769	NM_001353	23067	Hs.507122	NM_015048	ENSG00000	SETD1B	KMT2G|Set	SET domai	protein-coding
chr12-132	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	22994	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding

chr17-182	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr17	18263169	18265581	+	0	NA	exon (NM_	exon (NM_	3265	NM_148886	125170	Hs.655555	NM_139162	ENSG00000	MIEF2	MID49|SMC	mitochonc	protein-coding
chr19-118	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr19	11860696	11870684	+	0	NA	promoter-	promoter-	-339	NM_152262	90594	Hs.528731	NM_152262	ENSG00000	ZNF439	-	zinc fing	protein-coding
chr2-2373	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr2	2.37E+08	2.37E+08	+	0	NA	intron (N	intron (N	23505	NM_057165	1293	Hs.233240	NM_004369	ENSG00000	COL6A3	BTHLM1|DY	collagen	protein-coding
chr3-5386	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr3	53869090	53880142	+	0	NA	intron (N	AluSz6|SI	7536	NM_022899	93973	Hs.412186	NM_022899	ENSG00000	ACTR8	ARP8|INO8	actin rel	protein-coding
chr3-6414	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr3	64145861	64149373	+	0	NA	exon (NM_	exon (NM_	-39927	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr6-3441	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr6	34414623	34425359	+	0	NA	intron (N	AluJo|SIN	6078	NM_001203	6204	Hs.406620	NM_001014	ENSG00000	RPS10	DBA9|S10	ribosomal	protein-coding
chr7-8399	8.586104	-0.66223	0.723725	-0.91503	0.360174	0.59423	chr7	83994901	83995341	+	0	NA	intron (N	L1PA2|LIN	199668	NM_006080	10371	Hs.252451	NM_006080	ENSG00000	SEMA3A	COLL1|HH1	semaphori	protein-coding
chr12-121	8.627668	-0.66402	0.726024	-0.9146	0.360402	0.59423	chr12	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	18793	NM_001270	10645	Hs.297343	NM_006549	ENSG00000	CAMKK2	CAMKK|CAM	calcium/c	protein-coding
chr11-333	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr11	33345635	33354083	+	0	NA	intron (N	AluSx1|SI	-26249	NM_012194	25758	Hs.502266	NM_012194	ENSG00000	KIAA1549L	C11orf41|	KIAA1549	protein-coding
chr17-283	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr17	28328797	28332156	+	0	NA	exon (NM_	exon (NM_	4996	NM_001267	90410	Hs.705431	NM_174887	ENSG00000	IFT20	-	intraflag	protein-coding
chr19-477	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr19	47723839	47728525	+	0	NA	exon (NM_	exon (NM_	12760	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domair	protein-coding
chr20-344	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr20	34438081	34448720	+	0	NA	intron (N	AluSc|SIN	-22925	NR_030374	693229		NR_030374	ENSG00000	MIR644A	MIR644|MI	microRNA	ncRNA
chr21-372	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr21	37200009	37203840	+	0	NA	3' UTR (N	3' UTR (N	-6579	NR_026719	257203	Hs.505159	NM_148675	ENSG00000	DSCR9	NCRNA0003	Down sync	ncRNA
chr8-6577	8.613077	-0.66178	0.723644	-0.91452	0.360445	0.59423	chr8	65774986	65783570	+	0	NA	intron (N	intron (N	9779	NM_002603	5150	Hs.527119	NM_002603	ENSG00000	PDE7A	HCP1|PDE7	phosphodi	protein-coding
chr1-1612	8.102446	-0.68887	0.755482	-0.91182	0.361862	0.59423	chr1	1.61E+08	1.61E+08	+	0	NA	TTS (NM_0	TTS (NM_0	2097	NR_049819	1.01E+08		NR_049819	ENSG00000	MIR5187	mir-5187	microRNA	ncRNA
chr3-1324	8.102446	-0.68887	0.755482	-0.91182	0.361862	0.59423	chr3	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	56269	NM_015268	23317	Hs.12707	NM_015268	ENSG00000	DNAJC13	PARK21|RM	DnaJ heat	protein-coding
chr1-2677	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr1	26773335	26781916	+	0	NA	intron (N	AluJb|SIN	-10338	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr1-3237	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr1	32373503	32391250	+	0	NA	intron (N	AluJb|SIN	12065	NR_125352	55108	Hs.353454	NM_018045	ENSG00000	BSDC1	-	BSD domai	protein-coding
chr1-1853	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr1	1.85E+08	1.85E+08	+	0	NA	exon (NM_	exon (NM_	10171	NM_006469	10625	Hs.497183	NM_006469	ENSG00000	IVNS1ABP	ARA3|FLAF	influenza	protein-coding
chr1-2045	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr1	2.05E+08	2.05E+08	+	0	NA	intron (N	intron (N	32427	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr1-2329	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr1	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	21088	NR_138027	84284	Hs.642715	NM_032324	ENSG00000	NTPCR	C1orf57|H	nucleosic	protein-coding
chr10-779	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr10	77984482	78028319	+	0	NA	intron (N	AluSx1|SI	23115	NM_007055	11128	Hs.436896	NM_007055	ENSG00000	POLR3A	ADDH|HLD7	RNA polym	protein-coding
chr11-344	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr11	34449291	34473437	+	0	NA	exon (NM_	exon (NM_	22430	NM_001752	847	Hs.502302	NM_001752	ENSG00000	CAT	-	catalase	protein-coding
chr11-351	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr11	35191985	35203096	+	0	NA	intron (N	intron (N	34590	NR_145794	1.1E+08		NR_145794		SNORD164	-	small nuc	snoRNA
chr11-612	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr11	61299108	61331322	+	0	NA	intron (N	intron (N	-17967	NM_001351	26007	Hs.6278	NM_015533	ENSG00000	TKFC	DAK|NET45	triokinas	protein-coding
chr11-778	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr11	77842800	77846578	+	0	NA	intron (N	L1M4b|LIN	3551	NM_001363	28971	Hs.745040	NM_024684	ENSG00000	AAMDC	C11orf67|	adipogene	protein-coding
chr12-543	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr12	54393791	54411130	+	0	NA	intron (N	AluSg7|SI	-11162	NM_001130	25946	Hs.505653	NM_015481	ENSG00000	ZNF385A	HZF|RZF|Z	zinc fing	protein-coding
chr12-688	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr12	68808916	68843043	+	0	NA	intron (N	intron (N	16955	NM_001145	4193	Hs.484551	NM_002392	ENSG00000	MDM2	ACTFS|HDM	MDM2 prot	protein-coding
chr12-716	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr12	71606029	71638476	+	0	NA	intron (N	L2a|LINE|	41596	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr12-911	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr12	91154841	91177011	+	0	NA	intron (N	intron (N	12720	NM_133506	1634	Hs.156316	NM_001920	ENSG00000	DCN	CSCD|DSPC	decorin	protein-coding
chr13-370	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr13	37032068	37040234	+	0	NA	intron (N	Tigger1|D	23336	NM_001278	55578	Hs.435815	NM_017569	ENSG00000	SUPT20H	C13|C13or	SPT20 hom	protein-coding
chr13-110	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	86499	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr14-517	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr14	51701933	51730742	+	0	NA	promoter-	promoter-	-946	NM_001267	122786	Hs.434914	NM_152330	ENSG00000	FRMD6	C14orf31|	FERM doma	protein-coding
chr14-710	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr14	71051794	71053940	+	0	NA	intron (N	intron (N	145408	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr14-774	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr14	77459675	77469460	+	0	NA	intron (N	intron (N	6474	NM_012111	10598	Hs.204041	NM_012111	ENSG00000	AHSA1	AHA1|C14c	activator	protein-coding
chr15-434	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr15	43465930	43483013	+	0	NA	intron (N	(A)n|Simp	18685	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDF	tumor prc	protein-coding
chr15-447	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr15	44714471	44719801	+	0	NA	promoter-	promoter-	-708	NR_162102	1.13E+08		NR_162102		MIR10393	-	microRNA	ncRNA
chr16-211	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr16	21178294	21182549	+	0	NA	non-codir	non-codir	-20980	NM_017539	55567	Hs.526500	NM_017539	ENSG00000	DNAH3	DNAHC3-B|	dynein ax	protein-coding
chr17-418	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr17	41894958	41910162	+	0	NA	intron (N	intron (N	16391	NM_001096	47	Hs.387567	NM_001096	ENSG00000	ACLY	ACL|ATPCL	ATP citra	protein-coding
chr17-423	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr17	42313567	42341941	+	0	NA	intron (N	intron (N	39698	NM_001288	6776	Hs.437058	NM_003152	ENSG00000	STAT5A	MGF|STAT5	signal tr	protein-coding
chr17-435	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr17	43520814	43524940	+	0	NA	intron (N	AluSx1|SI	7558	NM_001261	2118	Hs.434059	NM_001986	ENSG00000	ETV4	E1A-F|E1A	ETS varia	protein-coding
chr17-682	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr17	68269981	68272868	+	0	NA	exon (NM_	exon (NM_	12242	NM_001352	22901	Hs.437249	NM_014960	ENSG00000	ARSG	USH4	arylsulfa	protein-coding
chr17-732	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr17	73204425	73210163	+	0	NA	TTS (NM_0	TTS (NM_0	14239	NM_018714	9382	Hs.103555	NM_018714	ENSG00000	COG1	CDG2G|LDL	component	protein-coding
chr18-361	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr18	36141533	36149724	+	0	NA	intron (N	intron (N	15729	NM_001242	55250	Hs.8739	NM_018255	ENSG00000	ELP2	MRT58|SHI	elongator	protein-coding
chr19-484	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr19	4846058	4863678	+	0	NA	intron (N	AluJo|SIN	12799	NM_005817	10226	Hs.140452	NM_005817	ENSG00000	PLIN3	M6PRBP1|F	perilipir	protein-coding
chr19-458	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr19	45824975	45852193	+	0	NA	exon (NM_	exon (NM_	-23276	NM_030785	81492	Hs.146544	NM_030785	ENSG00000	RSPH6A	RSHL1|RSF	radial sp	protein-coding
chr2-8537	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr2	85376528	85381936	+	0	NA	intron (N	AluSg|SIN	24463	NR_138131	84173	Hs.269990	NM_032213	ENSG00000	ELMOD3	DFNB88|LS	ELMO doma	protein-coding
chr2-8553	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr2	85539688	85546719	+	0	NA	intron (N	intron (N	4035	NM_005911	4144	Hs.516157	NM_005911	ENSG00000	MAT2A	MATA2|MAT	methionir	protein-coding
chr2-1098	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr2	1.1E+08	1.1E+08	+	0	NA	intron (N	L1MC5a|LI	-49255	NR_027145	1E+08	Hs.535619	NR_027144	ENSG00000	LIMS3-LOC	-	LIMS3-LOC	ncRNA
chr20-384	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr20	38418617	38433937	+	0	NA	promoter-	promoter-	-947	NR_002910	26776	Hs.400876	NR_002910	ENSG00000	SNORA71B	RNU71B|U7	small nuc	snoRNA
chr22-411	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr22	41168372	41176046	+	0	NA	intron (N	intron (N	25292	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr3-2391	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr3	23917850	23921798	+	0	NA	3' UTR (N	3' UTR (N	2692	NM_001253	6138	Hs.381219	NM_002948	ENSG00000	RPL15	DBA12|EC4	ribosomal	protein-coding
chr3-2741	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr3	27417837	27421545	+	0	NA	intron (N	intron (N	37087	NM_003615	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr4-3890	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr4	38901371	38945630	+	0	NA	intron (N	AluSc|SIN	55468	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-7702	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr4	77023018	77035788	+	0	NA	intron (N	intron (N	45507	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr4-1435	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr4	1.44E+08	1.44E+08	+	0	NA	intron (N	intron (N	-21370	NR_003675	441046	Hs.135705	NM_001011	ENSG00000	GUSBP5	GYPELOC44	GUSB pseu	pseudo
chr4-1682	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr4	1.68E+08	1.68E+08	+	0	NA	intron (N	MER1B|DNA	58077	NM_017631	55601	Hs.591710	NM_017631	ENSG00000	DDX60	-	DExD/H-bc	protein-coding
chr5-7287	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr5	72878988	72899267	+	0	NA	intron (N	AluSz|SIN	10536	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr5-1406	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	L2b|LINE|	-8291	NM_017706	54853	Hs.286261	NM_017706	ENSG00000	WDR55	-	WD repeat	protein-coding
chr5-1790	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr5	1.79E+08	1.79E+08	+	0	NA	intron (N	L1MEb|LIN	12195	NM_014594	30832	Hs.272328	NM_014594	ENSG00000	ZNF354C	KID3	zinc fing	protein-coding
chr7-7520	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr7	75202690	75215329	+	0	NA	intron (N	AluSz|SIN	-28178	NR_146079	643862		NR_146079		SPDYE10P	-	speedy/RI	pseudo
chr7-1512	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr7	1.51E+08	1.51E+08	+	0	NA	intron (N	AluSz6|SI	6286	NR_160983	1.14E+08	Hs.654958	NM_005692		LOC114483	-	ABCF2-H2E	protein-coding
chr8-3070	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr8	30701188	30710167	+	0	NA	intron (N	AluJo|SIN	22169	NM_000637	2936	Hs.271510	NM_000637	ENSG00000	GSR	GR|HEL-75	glutathic	protein-coding
chr8-1335	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr8	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	27958	NM_003033	6482	Hs.374257	NM_003033	ENSG00000	ST3GAL1	Gal-NAc6S	ST3 beta-	protein-coding
chr9-1103	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	L1PA4|LIN	-60976	NM_001286	255220	Hs.147064	NM_001003	ENSG00000	TXNDC8	SPTRX-3|S	thioredox	protein-coding
chr9-1213	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr9	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	23112	NR_073037	2040	Hs.253903	NM_004099	ENSG00000	STOM	BND7|EPB7	stomatin	protein-coding
chr9-1253	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr9	1.25E+08	1.25E+08	+	0	NA	non-codir	non-codir	102229	NM_001354	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1323	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chr9	1.32E+08	1.32E+08	+	0	NA	intron (N	AluJb|SIN	15518	NM_001351	23064	Hs.460317	NM_015046	ENSG00000	SETX	ALS4|AOA2	senataxir	protein-coding
chrX-4719	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chrX	47195477	47216585	+	0	NA	TTS (NR_0	TTS (NR_0	1183	NR_024616	8552	Hs.657350	NM_003669	ENSG00000	INE1	NCRNA0001	inactivat	ncRNA
chrX-5319	8.598487	-0.65956	0.72372	-0.91135	0.362114	0.59423	chrX	53193645	53222998	+	0	NA	intron (N	intron (N	-9376	NR_106954	1.02E+08		NR_106954	ENSG00000	MIR6894	hsa-mir-6	microRNA	ncRNA
chr1-3283	8.087855	-0.68645	0.754111	-0.91028	0.362675	0.59423	chr1	32834522	32835099	+	0	NA	intron (N	L1MC4|LIN	9497	NR_135106	64766	Hs.440880	NM_022753	ENSG00000	S100PBP	S100PBPR	S100P bir	protein-coding
chr10-864	8.087855	-0.68645	0.754111	-0.91028	0.362675	0.59423	chr10	86436470	86439249	+	0	NA	intron (N	intron (N	-71064	NM_017551	2894	Hs.530653	NM_017551	ENSG00000	GRID1	GluD1	glutamate	protein-coding
chr12-295	8.087855	-0.68645	0.754111	-0.91028	0.362675	0.59423	chr12	29571206	29572498	+	0	NA	intron (N	intron (N	-72159	NM_001353	341350	Hs.674588	NM_183378	ENSG00000	OVCH1	OVCH	ovochymas	protein-coding
chr7-7661	8.087855	-0.68645	0.754111	-0.91028	0.362675	0.59423	chr7	76617430	76619278	+	0	NA	intron (N	AluSz|SIN	8949	NM_152992	22932	Hs.488877	NM_012230	ENSG00000	POMZP3	POM-ZP3|F	POM121 ar	protein-coding
chr11-776	8.114829	-0.68594	0.753734	-0.91006	0.362793	0.59423	chr11	77665710	77667919	+	0	NA	3' UTR (N	3' UTR (N	-29008	NM_001311	1207	Hs.430733	NM_001293	ENSG00000	CLNS1A	CLCI|CLNS	chloride	protein-coding
chr17-421	8.114829	-0.68594	0.753734	-0.91006	0.362793	0.59423	chr17	42124532	42130959	+	0	NA	intron (N	AluJb|SIN	4941	NM_033194	94086	Hs.620611	NM_033194	ENSG00000	HSPB9	CT51	heat shoc	protein-coding
chr3-1342	8.114829	-0.68594	0.753734	-0.91006	0.362793	0.59423	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	L2c|LINE|	39773	NM_002958	6259	Hs.654562	NM_002958	ENSG00000	RYK	D3S3195|J	receptor	protein-coding
chr15-651	8.571514	-0.66	0.726258	-0.90876	0.363475	0.59423	chr15	65156695	65159980	+	0	NA	intron (N	intron (N	-24529	NM_005707	10081	Hs.458596	NM_005707	ENSG00000	PDCD7	ES18|HES1	programme	protein-coding
chr16-307	8.571514	-0.66	0.726258	-0.90876	0.363475	0.59423	chr16	30762783	30774694	+	0	NA	intron (N	intron (N	6416	NM_001286	9810	Hs.65238	NM_014771	ENSG00000	RNF40	BRE1B|RBF	ring fing	protein-coding
chr19-101	8.571514	-0.66	0.726258	-0.90876	0.363475	0.59423	chr19	10113818	10118628	+	0	NA	TTS (NM_0	TTS (NM_0	3676	NM_003755	8666	Hs.529059	NM_003755	ENSG00000	EIF3G	EIF3-P42|	eukaryoti	protein-coding
chr19-531	8.571514	-0.66	0.726258	-0.90876	0.363475	0.59423	chr19	53178680	53182137	+	0	NA	intron (N	AluSq|SIN	12950	NM_001353	79788	Hs.745230	NM_024733	ENSG00000	ZNF665	ZFP160L	zinc fing	protein-coding
chr2-2229	8.571514	-0.66	0.726258	-0.90876	0.363475	0.59423	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	57996	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr1-2741	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	27411015	27418158	+	0	NA	intron (N	intron (N	21964	NM_005281	2827	Hs.66542	NM_005281	ENSG00000	GPR3	ACCA	G proteir	protein-coding
chr1-2775	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	27759118	27760761	+	0	NA	intron (N	AluJr|SIN	-13280	NM_177424	23673	Hs.523855	NM_177424	ENSG00000	STX12	STX13|STX	syntaxin	protein-coding
chr1-3942	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	39428054	39431539	+	0	NA	intron (N	intron (N	20723	NM_015038	643314	Hs.658760	NM_015038	ENSG00000	KIAA0754	-	KIAA0754	protein-coding
chr1-9386	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	93866163	93877636	+	0	NA	intron (N	intron (N	7307	NM_014597	30836	Hs.85769	NM_014597	ENSG00000	DNTTIP2	ERBP|FCF2	deoxynucl	protein-coding
chr1-1516	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	HAL1|LINE	47390	NM_001172	11189	Hs.26047	NM_007185	ENSG00000	CELF3	BRUNOL1|C	CUGBP Ela	protein-coding
chr1-1539	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	TTS (NM_0	TTS (NM_0	3071	NM_006694	10899	Hs.6396	NM_006694	ENSG00000	JTB	HJTB|HSPC	jumping t	protein-coding
chr1-1557	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	1.56E+08	1.56E+08	+	0	NA	intron (N	AluJb|SIN	9212	NR_024117	1E+08	Hs.656361	NR_024117		MSTO2P	MSTO2	misato fa	pseudo
chr1-1787	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	Tigger2a|	60791	NM_152663	55103	Hs.632485	NM_018037	ENSG00000	RALGPS2	dJ595C2.1	Ral GEF w	protein-coding
chr1-2065	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	intron (N	14112	NM_006893	1939	Hs.497581	NM_006893	ENSG00000	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr1-2143	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	AluSg|SIN	100846	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-2200	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr1	2.2E+08	2.2E+08	+	0	NA	exon (NM_	exon (NM_	-16449	NM_004446	2058	Hs.497788	NM_004446	ENSG00000	EPRS	EARS|GLUF	glutamyl-	protein-coding
chr10-100	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr10	1005263	1021164	+	0	NA	intron (N	AluSx1|SI	-9424	NR_027709	55853	Hs.728538	NM_018470	ENSG00000	IDI2-AS1	C10orf110	IDI2 anti	ncRNA
chr10-300	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr10	30030472	30049853	+	0	NA	intron (N	intron (N	19424	NM_001350	57608	Hs.533953	NM_020848	ENSG00000	JCAD	KIAA1462	junctiona	protein-coding
chr10-741	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr10	74111017	74118378	+	0	NA	intron (N	L2c|LINE|	36131	NM_001320	26985	Hs.500104	NM_012095	ENSG00000	AP3M1	-	adaptor r	protein-coding
chr10-103	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr10	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	56933	NM_001351	22978	Hs.97439	NM_012229	ENSG00000	NT5C2	GMP|NT5B|	5'-nuclec	protein-coding
chr11-238	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr11	238461	249339	+	0	NA	intron (N	L2b|LINE|	6924	NM_175932	5719	Hs.134688	NM_002817	ENSG00000	PSMD13	HSPC027|F	proteason	protein-coding
chr11-660	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr11	6607733	6611736	+	0	NA	exon (NM_	exon (NM_	2482	NM_006284	6881	Hs.5158	NM_006284	ENSG00000	TAF10	TAF2A|TAF	TATA-box	protein-coding
chr11-656	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr11	65653838	65662100	+	0	NA	intron (N	MIR|SINE|	4947	NM_001243	5970	Hs.502875	NM_021975	ENSG00000	RELA	CMCU|NFKE	RELA prot	protein-coding
chr12-359	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	35990067	35991094	+	0	NA	Intergeni	ALR/Alpha	1968084	NM_032834	84920	Hs.102971	NM_032834	ENSG00000	ALG10	ALG10A|DI	ALG10 alp	protein-coding
chr12-490	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	49020603	49051567	+	0	NA	intron (N	MIR|SINE|	-17309	NM_001206	5571	Hs.530862	NM_002733	ENSG00000	PRKAG1	AMPKG	protein k	protein-coding
chr12-490	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	49099577	49107742	+	0	NA	intron (N	intron (N	7241	NM_001352	55716	Hs.272838	NM_018113	ENSG00000	LMBR1L	LIMR	limb deve	protein-coding
chr12-500	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	50088619	50102436	+	0	NA	intron (N	AluSx1|SI	-8481	NM_001257	2819	Hs.524418	NM_005276	ENSG00000	GPD1	GPD-C|GPD	glycerol-	protein-coding
chr12-114	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	20523	NM_181486	6910	Hs.381715	NM_000192	ENSG00000	TBX5	HOS	T-box tra	protein-coding
chr12-120	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	AluY|SINE	2816	NM_001002	6175	Hs.546285	NM_001002	ENSG00000	RPLP0	L10E|LP0|	ribosomal	protein-coding
chr12-120	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	14159	NR_038924	1.01E+08	Hs.569205	NR_038924	ENSG00000	PXN-AS1	EyeLinc4	PXN antis	ncRNA
chr13-286	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr13	28660139	28679907	+	0	NA	intron (N	AluSz|SIN	10893	NM_015932	51371	Hs.268742	NM_015932	ENSG00000	POMP	C13orf12|	proteason	protein-coding
chr13-727	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr13	72757402	72778676	+	0	NA	intron (N	MIR3|SINE	13861	NM_001128	22894	Hs.744104	NM_014953	ENSG00000	DIS3	2810028NC	DIS3 homc	protein-coding
chr13-110	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	L1ME1|LIN	49636	NR_148221	1.05E+08	Hs.134728	NR_148221		LOC105370	-	uncharact	ncRNA
chr13-110	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr13	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	24615	NM_001267	1E+08	Hs.640035	NM_001267044		COL4A2-AS	-	COL4A2 ar	protein-coding
chr14-313	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr14	31357747	31358888	+	0	NA	intron (N	intron (N	62233	NM_015473	25938	Hs.744979	NM_015473	ENSG00000	HEATR5A	C14orf125	HEAT repe	protein-coding
chr14-774	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr14	77439834	77453518	+	0	NA	intron (N	L1ME4b|LI	10925	NM_001193	63894	Hs.16157	NM_022067	ENSG00000	VIPAS39	C14orf133	VPS33B ir	protein-coding
chr14-902	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr14	90257686	90273527	+	0	NA	intron (N	AluSx4|SI	7667	NM_001330	5700	Hs.356654	NM_002802	ENSG00000	PSMC1	P26S4|S4|	proteason	protein-coding
chr14-102	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr14	1.03E+08	1.03E+08	+	0	NA	intron (N	Tigger3a|	44846	NM_030943	81693	Hs.534494	NM_030943	ENSG00000	AMN	PRO1028|a	amnion as	protein-coding
chr15-979	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr15	97962183	97974244	+	0	NA	intron (N	intron (N	7510	NM_183376	91947	Hs.6093	NM_183376	ENSG00000	ARRDC4	-	arrestin	protein-coding
chr16-156	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr16	15634811	15640175	+	0	NA	intron (N	MamRep605	5661	NM_014647	9665	Hs.173524	NM_014647	ENSG00000	MARF1	KIAA0430|	meiosis r	protein-coding
chr16-235	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr16	23558583	23571922	+	0	NA	intron (N	intron (N	7525	NM_019116	56061	Hs.3459	NM_019116	ENSG00000	UBFD1	UBPH	ubiquitir	protein-coding
chr16-273	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr16	27337013	27357631	+	0	NA	intron (N	AluSx1|SI	33348	NM_001257	3566	Hs.513457	NM_000418	ENSG00000	IL4R	CD124|IL-	interleuk	protein-coding
chr16-288	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr16	28824626	28845334	+	0	NA	intron (N	MIRb|SINE	9027	NR_039872	1.01E+08		NR_039872	ENSG00000	MIR4721	-	microRNA	ncRNA
chr16-858	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr16	85801284	85808527	+	0	NA	intron (N	intron (N	5210	NM_001318	1327	Hs.433419	NM_001861	ENSG00000	COX4I1	COX IV-1|	cytochron	protein-coding
chr17-763	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	763730	772833	+	0	NA	intron (N	intron (N	13999	NM_001366	51031	Hs.279061	NM_016080	ENSG00000	GLOD4	C17orf25|	glyoxalas	protein-coding
chr17-773	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	773133	779424	+	0	NA	intron (N	intron (N	6002	NM_001366	51031	Hs.279061	NM_016080	ENSG00000	GLOD4	C17orf25|	glyoxalas	protein-coding

chr17-759	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	7591714	7609480	+	0	NA	intron (N	FLAM_C|SI	-10503	NM_006942	6665	Hs.95582	NM_006942	ENSG0000C	SOX15	SOX20|SO	SRY-box t	protein-coding
chr17-286	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	28613895	28632034	+	0	NA	intron (N	AluSg|SIN	-8779	NM_001174	124923	Hs.729077	NM_144610	ENSG0000C	RSKR	SGK494	ribosomal	protein-coding
chr17-384	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	38466291	38508917	+	0	NA	intron (N	AluSx1|SI	59140	NM_001199	57636	Hs.374446	NM_020876	ENSG0000C	ARHGAP23	-	Rho GTPas	protein-coding
chr17-387	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	38768983	38787411	+	0	NA	intron (N	intron (N	21708	NM_003559	8396	Hs.260603	NM_003559	ENSG0000C	PIP4K2B	PI5P4KB|F	phosphati	protein-coding
chr17-425	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	42568245	42576848	+	0	NA	non-codir	non-codir	5170	NM_001256	29893	Hs.383019	NM_013290	ENSG0000C	PSMC3IP	GT198|HOF	PSMC3 int	protein-coding
chr17-428	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	42834176	42846145	+	0	NA	intron (N	AluSp|SIN	-4420	NM_001158	314	Hs.143102	NM_001158	ENSG0000C	AOC2	DAO2|RAO|	amine oxi	protein-coding
chr17-759	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	75946081	75958227	+	0	NA	intron (N	intron (N	-13922	NM_001319	85302	Hs.720068	NM_001080	ENSG0000C	FBF1	Alb|FBF-1	Fas bindi	protein-coding
chr17-802	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr17	80225999	80242944	+	0	NA	intron (N	L1MEc|LIN	14044	NM_173626	284129	Hs.4866	NM_173626	ENSG0000C	SLC26A11	-	solute ca	protein-coding
chr19-241	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	24115168	24123738	+	0	NA	intron (N	AluSx|SIN	32266	NM_001278	9534	Hs.434406	NM_004876	ENSG0000C	ZNF254	BMZF-5|HD	zinc fing	protein-coding
chr19-363	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	36392005	36402896	+	0	NA	intron (N	L1MD|LINE	-18249	NM_020917	57677	Hs.35524	NM_020917	ENSG0000C	ZFP14	ZNF531	ZFP14 zir	protein-coding
chr19-371	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	37147189	37171526	+	0	NA	intron (N	L1MC5a|LI	13079	NM_199126	199704	Hs.659236	NM_152655	ENSG0000C	ZNF585A	-	zinc fing	protein-coding
chr19-371	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	37183031	37201194	+	0	NA	intron (N	intron (N	18424	NM_152279	92285	Hs.390568	NM_152279	ENSG0000C	ZNF585B	SZFP41	zinc fing	protein-coding
chr19-412	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	41267903	41307009	+	0	NA	intron (N	L1MC4|LIN	22375	NM_001321	11100	Hs.155218	NM_007040	ENSG0000C	HNRNPUL1	E1B-AP5|F	heteroger	protein-coding
chr19-458	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	45897942	45901358	+	0	NA	intron (N	AluSx1|SI	2963	NM_001012	339344	Hs.515478	NM_001012	ENSG0000C	MYPOP	P42pop	Myb relat	protein-coding
chr19-466	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	46672408	46711649	+	0	NA	intron (N	intron (N	17326	NR_036157	1E+08		NR_036157	ENSG0000C	MIR320E	mir-320e	microRNA	ncRNA
chr19-492	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr19	49210072	49212003	+	0	NA	exon (NM_	exon (NM_	53245	NM_001195	54795	Hs.467101	NM_017636	ENSG0000C	TRPM4	LTrpC4|PF	transient	protein-coding
chr2-3249	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	32498358	32511511	+	0	NA	intron (N	intron (N	-27219	NR_030285	693143		NR_030285	ENSG0000C	MIR558	MIRN558|h	microRNA	ncRNA
chr2-6907	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	69070052	69074176	+	0	NA	intron (N	intron (N	-31568	NR_036073	1E+08		NR_036073	ENSG0000C	MIR3126	mir-3126	microRNA	ncRNA
chr2-1602	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-12705	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG0000C	LINC02478	-	long inte	ncRNA
chr2-1603	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	1.6E+08	1.6E+08	+	0	NA	intron (N	AluSx1|SI	-30896	NR_103775	1.01E+08	Hs.729532	NR_103775	ENSG0000C	LINC02478	-	long inte	ncRNA
chr2-1913	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	145428	NM_001130	4430	Hs.439620	NM_012223	ENSG0000C	MYO1B	MMI-alpha	myosin IE	protein-coding
chr2-2186	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	2.19E+08	2.19E+08	+	0	NA	exon (NM_	exon (NM_	6000	NM_022453	64320	Hs.471403	NM_022453	ENSG0000C	RNF25	AO7	ring fing	protein-coding
chr2-2328	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	2.33E+08	2.33E+08	+	0	NA	intron (N	intron (N	-40567	NM_001172	3769	Hs.467338	NM_002242	ENSG0000C	KCNJ13	KIR1.4|KI	potassium	protein-coding
chr2-2410	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr2	2.41E+08	2.41E+08	+	0	NA	intron (N	intron (N	5270	NM_001080	25992	Hs.471834	NM_001080	ENSG0000C	SNED1	IRE-BP1|S	sushi, ni	protein-coding
chr20-245	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr20	2457067	2469651	+	0	NA	promoter-	promoter-	-312	NR_003684	1E+08		NR_003684		SNORD119	-	small nuc	snoRNA
chr20-459	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr20	45966631	45969024	+	0	NA	exon (NM_	exon (NM_	4376	NM_022095	63925	Hs.174193	NM_022095	ENSG0000C	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr22-414	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr22	41460455	41467703	+	0	NA	intron (N	MIR|SINE|	4613	NM_032758	84844	Hs.474980	NM_032758	ENSG0000C	PHF5A	INI|Rds3|	PHD finge	protein-coding
chr3-1523	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr3	15239842	15244194	+	0	NA	intron (N	intron (N	-12166	NR_046084	1.01E+08	Hs.745026	NR_046084	ENSG0000C	SH3BP5-AS	-	SH3BP5 ar	ncRNA
chr3-1203	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr3	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-9666	NR_029584	406975		NR_029584	ENSG0000C	MIR198	MIRN198|m	microRNA	ncRNA
chr3-1490	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-29993	NR_046648	1.01E+08	Hs.742423	NR_046648	ENSG0000C	HLTF-AS1	-	HLTF anti	ncRNA
chr5-3493	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr5	34932619	34947162	+	0	NA	intron (N	intron (N	10297	NM_194283	134218	Hs.131887	NM_194283	ENSG0000C	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr5-1516	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr5	1.52E+08	1.52E+08	+	0	NA	intron (N	MER4A|LTF	-3134	NR_109873	1.02E+08	Hs.571023	NR_109873	ENSG0000C	CLMAT3	CTB-113P1	colorecta	ncRNA
chr5-1547	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr5	1.55E+08	1.55E+08	+	0	NA	intron (N	intron (N	-23685	NR_039667	1.01E+08		NR_039667	ENSG0000C	MIR378H	-	microRNA	ncRNA
chr6-2470	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr6	24701156	24719966	+	0	NA	intron (N	AluSp|SIN	8593	NM_030939	81688	Hs.744857	NM_030939	ENSG0000C	C6orf62	Nbla00237	chromosom	protein-coding
chr6-2597	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr6	25972156	25986485	+	0	NA	intron (N	L1M5|LINE	16518	NM_006355	10475	Hs.584851	NM_006355	ENSG0000C	TRIM38	RNF15|ROF	tripartit	protein-coding
chr6-2646	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr6	26462673	26469934	+	0	NA	intron (N	intron (N	8348	NM_007049	11120	Hs.159028	NM_007049	ENSG0000C	BTN2A1	BK14H9.1|	butyrophi	protein-coding
chr6-4266	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr6	42662166	42664488	+	0	NA	exon (NM_	exon (NM_	59270	NM_000322	5961	Hs.654489	NM_000322	ENSG0000C	PRPH2	AOFMD|AVM	peripheri	protein-coding
chr7-5214	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr7	5214439	5233425	+	0	NA	intron (N	intron (N	9663	NM_001033	26100	Hs.122363	NM_015610	ENSG0000C	WIPI2	ATG18B|At	WD repeat	protein-coding
chr7-2331	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr7	23316651	23319935	+	0	NA	intron (N	AluJb|SIN	18954	NM_138446	115416	Hs.87385	NM_138446	ENSG0000C	MALSU1	C7orf30|m	mitochond	protein-coding
chr7-7605	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr7	76054689	76067302	+	0	NA	intron (N	intron (N	12889	NM_005918	4191	Hs.520967	NM_005918	ENSG0000C	MDH2	EIEE51|M-	malate de	protein-coding
chr7-1396	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	85637	NM_001353	154790	Hs.57806	NM_001080	ENSG0000C	CLEC2L	-	C-type le	protein-coding
chr8-1411	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	L2c|LINE|	12143	NM_001362	22898	Hs.18166	NM_014957	ENSG0000C	DENND3	-	DENN doma	protein-coding
chr9-3326	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr9	33266114	33282237	+	0	NA	intron (N	AluJb|SIN	9126	NM_016410	51510	Hs.635313	NM_016410	ENSG0000C	CHMP5	C9orf83|C	charged m	protein-coding
chr9-1228	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr9	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	25618	NR_003071	692206	Hs.693253	NR_003071	ENSG0000C	SNORD90	HBII-295	small nuc	snoRNA
chr9-1364	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chr9	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-16304	NM_152571	158055	Hs.212613	NM_152571		C9orf163	-	chromosom	protein-coding
chrX-1675	8.100238	-0.68354	0.752372	-0.90852	0.363604	0.59423	chrX	16752516	16761624	+	0	NA	intron (N	intron (N	-29362	NM_001168	55787	Hs.555961	NM_018360	ENSG0000C	TXLNG	CXorf15|E	taxilin g	protein-coding
chr8-6729	8.559131	-0.66269	0.729479	-0.90845	0.363642	0.59423	chr8	67291617	67292320	+	0	NA	exon (NM_	exon (NM_	51813	NM_006421	10565	Hs.656902	NM_006421	ENSG0000C	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr10-619	8.129419	-0.68838	0.757877	-0.9083	0.363721	0.59423	chr10	61940257	61943283	+	0	NA	intron (N	intron (N	40071	NM_032199	84159	Hs.535297	NM_032199	ENSG0000C	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr7-1438	8.075473	-0.68943	0.75958	-0.90765	0.364064	0.59423	chr7	1.44E+08	1.44E+08	+	0	NA	TTS (NM_C	TTS (NM_C	-14255	NR_015421	154761	Hs.716689	NR_015421	ENSG0000C	LOC154761	-	family wi	pseudo
chr9-1002	8.64005	-0.66132	0.729237	-0.90687	0.364478	0.59423	chr9	1E+08	1E+08	+	0	NA	intron (N	L1MDa|LIN	67779	NM_001161	54881	Hs.494648	NM_017746	ENSG0000C	TEX10	Ipi1|bA2C	testis ex	protein-coding
chr11-942	13.52543	-0.42881	0.473134	-0.90631	0.364773	0.59423	chr11	94237846	94238401	+	0	NA	Intergeni	L1PA2|LIN	-67514	NM_001199	390243	Hs.553758	NM_001080	ENSG0000C	IZUMO1R	FOLR4|Fol	IZUMO1 re	protein-coding
chr13-233	8.073265	-0.68406	0.755473	-0.90547	0.365217	0.59423	chr13	23358089	23359314	+	0	NA	intron (N	intron (N	16807	NM_001278	26278	Hs.159492	NM_014363	ENSG0000C	SACS	ARSACS|DN	sacsin mc	protein-coding
chr2-6981	8.073265	-0.68406	0.755473	-0.90547	0.365217	0.59423	chr2	69818328	69822533	+	0	NA	intron (N	intron (N	-9230	NM_178439	64395	Hs.293971	NM_178439	ENSG0000C	GMCL1	BTBD13|GC	germ cell	protein-coding
chr6-4320	8.073265	-0.68406	0.755473	-0.90547	0.365217	0.59423	chr6	43204480	43207266	+	0	NA	intron (N	intron (N	23608	NM_006443	10591	Hs.109752	NM_006443	ENSG0000C	DNPH1	C6orf108|	2’-deoxyr	protein-coding
chr1-1535	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr1	1.54E+08	1.54E+08	+	0	NA	exon (NM_	exon (NM_	1216	NM_014624	6277	Hs.275243	NM_014624	ENSG0000C	S100A6	2A9|5B10|	S100 calc	protein-coding
chr11-628	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr11	62813418	62830311	+	0	NA	intron (N	AluSc|SIN	10187	NM_001330	6811	Hs.654602	NM_003164	ENSG0000C	STX5	SED5|STX5	syntaxin	protein-coding
chr11-686	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr11	68600020	68609356	+	0	NA	intron (N	L1M5|LINE	-79856	NM_015973	51083	Hs.278959	NM_015973	ENSG0000C	GAL	ETL8|GAL-	galanin a	protein-coding
chr12-640	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr12	64055026	64055963	+	0	NA	intron (N	L1P1|LINE	166802	NM_152440	144577	Hs.444671	NM_152440	ENSG0000C	C12orf66	-	chromosom	protein-coding
chr2-3202	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr2	32028136	32029135	+	0	NA	intron (N	AluSc|SIN	11170	NM_001321	84661	Hs.531788	NM_032574	ENSG0000C	DPY30	Cps25|HDF	dpy-30 hi	protein-coding
chr2-8608	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr2	86088183	86089790	+	0	NA	intron (N	intron (N	16900	NM_015425	25885	Hs.531818	NM_015425	ENSG0000C	POLR1A	A190|AFDC	RNA polym	protein-coding
chr5-1389	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	29195	NM_001324	1495	Hs.445981	NM_001903	ENSG0000C	CTNNA1	CAP102|MD	catenin a	protein-coding
chr9-1298	8.583896	-0.6573	0.726256	-0.90506	0.365434	0.59423	chr9	1.3E+08	1.3E+08	+	0	NA	exon (NM_	exon (NM_	4293	NM_016520	51759	Hs.278429	NM_016520	ENSG0000C	C9orf78	CSU2|HCA5	chromosom	protein-coding
chr10-102	9.030406	-0.64159	0.709381	-0.90443	0.365765	0.59423	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	49829	NM_024541	79591	Hs.16004	NM_024541	ENSG0000C	ARMH3	C10orf76	armadillo	protein-coding
chr1-1988	8.127211	-0.68303	0.7556	-0.90396	0.366019	0.59423	chr1	1.99E+08	1.99E+08	+	0	NA	intron (N	L1PA5|LIN	-13257	NR_029626	406995		NR_029626	ENSG0000C	MIR181A1	MIR213|MI	microRNA	ncRNA
chr1-2354	8.127211	-0.68303	0.7556	-0.90396	0.366019	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSz|SIN	66197	NM_001287	6905	Hs.744998	NM_003193	ENSG0000C	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr15-807	8.127211	-0.68303	0.7556	-0.90396	0.366019	0.59423	chr15	80725199	80726170	+	0	NA	intron (N	AluJo|SIN	30374	NM_021214	58489	Hs.459072	NM_021214	ENSG0000C	ABHD17C	FAM108C1	abhydrola	protein-coding
chr3-1018	8.127211	-0.68303	0.7556	-0.90396	0.366019	0.59423	chr3	1.02E+08	1.02E+08	+	0	NA	exon (NM_	exon (NM_	22102	NM_001348	91775	Hs.595933	NM_145037	ENSG0000C	NXPE3	FAM55C|MS	neurexoph	protein-coding
chr1-1729	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	1729195	1740610	+	0	NA	intron (N	intron (N	-10545	NM_033529	728642	Hs.651228	NM_024011	ENSG0000C	CDK11A	CDC2L2|CD	cyclin de	protein-coding
chr1-4342	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	43422910	43435493	+	0	NA	intron (N	intron (N	-19338	NR_106793	1.02E+08		NR_106793	ENSG0000C	MIR6735	hsa-mir-6	microRNA	ncRNA
chr1-5235	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	52351089	52364710	+	0	NA	exon (NM_	exon (NM_	8306	NM_001330	200014	Hs.591451	NM_032449	ENSG0000C	CC2D1B	-	coiled-cc	protein-coding
chr1-6655	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	66554688	66561721	+	0	NA	intron (N	intron (N	24051	NM_032291	84251	Hs.132121	NM_032291	ENSG0000C	SGIP1	-	SH3 domai	protein-coding
chr1-1510	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	4943	NM_001163	55793	Hs.743952	NM_018379	ENSG0000C	MINDY1	FAM63A|MI	MINDY lys	protein-coding
chr1-1569	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	L2c|LINE|	-40242	NR_030527	768220		NR_030527	ENSG0000C	MIR765	MIRN765|h	microRNA	ncRNA
chr1-2021	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	AluSp|SIN	7151	NM_138795	127829	Hs.497399	NM_138795	ENSG0000C	ARL8A	ARL10B|GI	ADP ribos	protein-coding
chr11-459	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr11	45945224	45949693	+	0	NA	intron (N	intron (N	24802	NM_001300	120071	Hs.86543	NM_152312	ENSG0000C	LARGE2	GYLTL1B|F	LARGE xyl	protein-coding
chr11-626	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr11	62624790	62641174	+	0	NA	intron (N	intron (N	7236	NM_001329	23193	Hs.595071	NM_014610	ENSG0000C	GANAB	G2AN|GIIA	glucosida	protein-coding
chr11-778	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr11	77853445	77859246	+	0	NA	intron (N	MSTA-int|	15207	NM_001363	28971	Hs.745040	NM_024684	ENSG0000C	AAMDC	C11orf67|	adipogene	protein-coding
chr12-423	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr12	42375396	42377356	+	0	NA	intron (N	intron (N	44578	NM_001364	51535	Hs.444157	NM_016488	ENSG0000C	PPHLN1	CR|HSPC2C	periphili	protein-coding
chr12-565	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr12	56560988	56565020	+	0	NA	intron (N	AluY|SINE	41184	NM_002898	5939	Hs.505729	NM_002898	ENSG0000C	RBMS2	SCR3	RNA bindi	protein-coding
chr12-120	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr12	1.2E+08	1.2E+08	+	0	NA	intron (N	intron (N	-3992	NR_039719	1.01E+08		NR_039719	ENSG0000C	MIR4498	mir-4498	microRNA	ncRNA
chr14-233	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr14	23322587	23325995	+	0	NA	exon (NM_	exon (NM_	2285	NM_001360	8106	Hs.707712	NM_004643	ENSG0000C	PABPN1	OPMD|PAB2	poly(A) b	protein-coding
chr15-424	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr15	42412009	42418030	+	0	NA	3’ UTR (N	3’ UTR (N	10240	NM_173089	825	Hs.143261	NM_000070	ENSG0000C	CAPN3	CANP3|CAN	calpain 3	protein-coding
chr15-489	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr15	48990405	48994010	+	0	NA	3’ UTR (N	3’ UTR (N	-28288	NM_203349	399694	Hs.642615	NM_203349	ENSG0000C	SHC4	RaLP|SHCE	SHC adapt	protein-coding
chr15-560	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr15	56094038	56098390	+	0	NA	exon (NM_	exon (NM_	93718	NM_001370	64864	Hs.745089	NM_022841	ENSG0000C	RFX7	RFXDC2	regulator	protein-coding
chr15-893	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr15	89314457	89330528	+	0	NA	intron (N	intron (N	4318	NR_106824	1.02E+08		NR_106824	ENSG0000C	MIR6766	hsa-mir-6	microRNA	ncRNA
chr16-475	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr16	4750827	4766126	+	0	NA	intron (N	intron (N	8686	NM_021646	26048	Hs.513316	NM_021646	ENSG0000C	ZNF500	ZKSCAN18|	zinc fing	protein-coding
chr17-365	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr17	36554528	36566994	+	0	NA	intron (N	intron (N	15842	NM_024835	79893	Hs.514116	NM_024835	ENSG0000C	GGNBP2	DIF-3|DIF	gametoger	protein-coding
chr17-460	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr17	46030418	46040423	+	0	NA	intron (N	intron (N	36170	NM_001007	246744	Hs.661831	NM_001007	ENSG0000C	STH	MAPTIT	saitohin	protein-coding
chr18-277	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr18	2775735	2778923	+	0	NA	intron (N	intron (N	-69677	NM_032048	84034	Hs.532815	NM_032048	ENSG0000C	EMILIN2	EMILIN-2|	elastin m	protein-coding
chr19-374	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr19	37419269	37428485	+	0	NA	intron (N	L1ME4b|LI	43567	NM_001330	148266	Hs.511848	NM_152484	ENSG0000C	ZNF569	ZAP1|ZNF	zinc fing	protein-coding
chr19-477	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr19	47746464	47760705	+	0	NA	intron (N	intron (N	-2269	NR_003048	692091	Hs.745561	NR_003048	ENSG0000C	SNORD23	HBII-115	small nuc	snoRNA
chr19-498	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr19	49878810	49887773	+	0	NA	intron (N	intron (N	-4884	NR_039905	1.01E+08		NR_039905	ENSG0000C	MIR4750	mir-4750	microRNA	ncRNA
chr2-4609	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr2	46092743	46095509	+	0	NA	intron (N	HAL1|LINE	-203281	NM_001430	2034	Hs.468410	NM_001430	ENSG0000C	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr2-6360	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr2	63603094	63607798	+	0	NA	intron (N	intron (N	16295	NM_001199	4190	Hs.526521	NM_005917	ENSG0000C	MDH1	HEL-S-32|	malate de	protein-coding
chr2-1710	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr2	1.71E+08	1.71E+08	+	0	NA	intron (N	intron (N	17642	NM_001136	9874	Hs.744917	NM_012290	ENSG0000C	TLK1	PKU-beta	tousled l	protein-coding
chr3-1236	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx|SIN	5149	NM_053032	4638	Hs.477375	NM_005965	ENSG0000C	MYLK	AAT7|KRP|	myosin li	protein-coding
chr3-1250	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr3	1.25E+08	1.25E+08	+	0	NA	intron (N	L4_C_Mam|	31870	NM_020733	57493	Hs.477420	NM_020733	ENSG0000C	HEG1	HEG|MST11	heart dev	protein-coding
chr3-1723	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr3	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	137996	NM_198407	2693	Hs.130212	NM_004122	ENSG0000C	GHSR	GHDP	growth hc	protein-coding
chr4-7700	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr4	77003943	77006858	+	0	NA	intron (N	intron (N	55648	NM_001306	55752	Hs.128199	NM_018243	ENSG0000C	SEPTIN11	11-Sep	septin 11	protein-coding
chr5-1328	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSg|SIN	10611	NM_052971	116842	Hs.337588	NM_052971	ENSG0000C	LEAP2	LEAP-2	liver enr	protein-coding
chr6-3162	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr6	31622486	31651451	+	0	NA	intron (N	intron (N	3181	NR_106890	1.02E+08		NR_106890	ENSG0000C	MIR6832	hsa-mir-6	microRNA	ncRNA
chr6-3218	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr6	32186193	32188327	+	0	NA	exon (NM_	exon (NM_	-2938	NM_001206	177	Hs.534342	NM_001136	ENSG0000C	AGER	RAGE|SCAF	advanced	protein-coding
chr6-3341	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr6	33412386	33415164	+	0	NA	exon (NM_	exon (NM_	2761	NR_027692	5252	Hs.166204	NM_002636	ENSG0000C	PHF1	MTF2L2|PC	PHD finge	protein-coding
chr7-4727	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr7	47277155	47291228	+	0	NA	intron (N	intron (N	180612	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-5605	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr7	56052903	56061508	+	0	NA	intron (N	intron (N	1840	NR_145724	1.1E+08		NR_145724	ENSG0000C	SNORA22B	-	small nuc	snoRNA
chr7-7345	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr7	73454971	73471490	+	0	NA	intron (N	AluJr|SIN	29452	NM_003508	8326	Hs.647029	NM_003508	ENSG0000C	FZD9	CD349|FZD	frizzled	protein-coding
chr8-6729	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr8	67298238	67300904	+	0	NA	intron (N	intron (N	44210	NM_006421	10565	Hs.656902	NM_006421	ENSG0000C	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr8-1180	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr8	1.18E+08	1.18E+08	+	0	NA	intron (N	intron (N	9965	NM_000127	2131	Hs.492618	NM_000127	ENSG0000C	EXT1	EXT|LGCR|	exostosir	protein-coding
chr9-7098	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr9	709812	713222	+	0	NA	exon (NM_	exon (NM_	4840	NM_001354	23189	Hs.306764	NM_015158	ENSG0000C	KANK1	ANKRD15|C	KN motif	protein-coding
chr9-1322	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr9	1.32E+08	1.32E+08	+	0	NA	3’ UTR (N	3’ UTR (N	90809	NM_001351	23064	Hs.460317	NM_015046	ENSG0000C	SETX	ALS4|AOA2	senataxir	protein-coding
chr9-1375	8.085648	-0.68115	0.753729	-0.90371	0.366151	0.59423	chr9	1.38E+08	1.38E+08	+	0	NA	intron (N	L2|LINE|I	11699	NM_032477	64975	Hs.44017	NM_032477	ENSG0000C	MRPL41	BMRP|MRP-	mitochond	protein-coding
chr1-6768	8.61087	-0.65684	0.726911	-0.90361	0.366205	0.59423	chr1	67685589	67689294	+	0	NA	intron (N	intron (N	2240	NM_001199	1647	Hs.80409	NM_001924	ENSG0000C	GADD45A	DDIT1|GAD	growth ar	protein-coding
chr17-160	8.61087	-0.65684	0.726911	-0.90361	0.366205	0.59423	chr17	16023425	16027705	+	0	NA	intron (N	intron (N	25741	NM_017775	54902	Hs.462316	NM_017775	ENSG0000C	TTC19	201020401	tetratric	protein-coding
chr1-1516	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	48272	NM_001330	81609	Hs.192326	NM_030918	ENSG0000C	SNX27	MRT1|MY01	sorting r	protein-coding
chr1-2354	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr1	2.35E+08	2.35E+08	+	0	NA	TTS (NM_C	TTS (NM_C	51238	NM_001277	148789	Hs.498143	NM_152490	ENSG0000C	B3GALNT2	B3GalNAc-	beta-1,3-	protein-coding
chr11-130	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	L2c|LINE|	21000	NM_001301	399979	Hs.444024	NM_014758	ENSG0000C	SNX19	CHET8	sorting r	protein-coding
chr13-302	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr13	30228837	30231623	+	0	NA	intron (N	L2c|LINE|	76781	NM_001014	84056	Hs.243596	NM_032116	ENSG0000C	KATNAL1	-	katanin c	protein-coding
chr2-3684	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr2	36848746	36849807	+	0	NA	3’ UTR (N	3’ UTR (N	117260	NM_003162	6801	Hs.127486	NM_003162	ENSG0000C	STRN	PPP2R6A|S	striatin	protein-coding
chr2-8504	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr2	85048559	85052143	+	0	NA	intron (N	intron (N	16996	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG0000C	LINC01964	-	long inte	ncRNA
chr21-360	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr21	36071163	36074833	+	0	NA	3’ UTR (N	3’ UTR (N	2974	NM_001286	873	Hs.88778	NM_001757	ENSG0000C	CBR1	CBR|SDR21	carbonyl	protein-coding
chr21-393	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr21	39341023	39347768	+	0	NA	intron (N	intron (N	4693	NM_004965	3150	Hs.356285	NM_004965	ENSG0000C	HMGN1	HMG14	high mobi	protein-coding
chr3-5006	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr3	50061356	50063105	+	0	NA	intron (N	AluSc|SIN	-26689	NM_005778	10181	Hs.439480	NM_005778	ENSG0000C	RBM5	G15|H37|I	RNA bindi	protein-coding
chr3-1701	8.112621	-0.68063	0.754232	-0.90242	0.366834	0.59423	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	62595	NM_001308	80012	Hs.529592	NM_024947	ENSG0000C	PHC3	EDR3|HPH3	polyhomec	protein-coding

chr3-1959	11.30998	-0.51142	0.568215	-0.90005	0.368093	0.596013	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	24858	NR_003264	255812	Hs.566872	NR_003264	ENSG00000	SDHAP1	SDHAL1|SD	succinate	pseudo
chr1-6655	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr1	66550790	66553625	+	0	NA	intron (N	intron (N	18054	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr13-370	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr13	37027704	37029360	+	0	NA	intron (N	intron (N	27746	NM_181503	11340	Hs.294041	NM_181503	ENSG00000	EXOSC8	CIP3|EAP2	exosome c	protein-coding
chr15-434	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr15	43485062	43491758	+	0	NA	intron (N	L1MD2|LIN	4746	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDF	tumor prc	protein-coding
chr19-159	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr19	1595901	1599735	+	0	NA	3’ UTR (N	3’ UTR (N	-4953	NM_001281	53615	Hs.178728	NM_003926	ENSG00000	MBD3	-	methyl-Cp	protein-coding
chr2-5552	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr2	55523679	55527384	+	0	NA	intron (N	intron (N	5936	NM_080667	112942	Hs.264208	NM_080667	ENSG00000	CFAP36	BARTL1|CC	cilia and	protein-coding
chr3-1237	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	96699	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr4-4262	8.098031	-0.67822	0.7556	-0.89759	0.369404	0.596339	chr4	426211	427978	+	0	NA	intron (N	intron (N	47115	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr9-1248	8.596279	-0.65455	0.729479	-0.89729	0.369565	0.596344	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	MLT1E3|LT	2625	NM_007209	11224	Hs.182825	NM_007209	ENSG00000	RPL35	DBA19|L35	ribosomal	protein-coding
chr8-1044	8.569306	-0.65498	0.731362	-0.89557	0.370484	0.597064	chr8	1.04E+08	1.04E+08	+	0	NA	exon (NM_	exon (NM_	-6479	NR_030330	693127		NR_030330	ENSG00000	MIR548A3	MIRN548A3	microRNA	ncRNA
chr1-1680	8.071057	-0.67871	0.75787	-0.89555	0.370492	0.597064	chr1	1.68E+08	1.68E+08	+	0	NA	Intergeni	Intergeni	59207	NM_001267	23432	Hs.271809	NM_007369	ENSG00000	GPR161	RE2	G proteir	protein-coding
chr1-6483	9.121501	-0.63313	0.707	-0.89552	0.37051	0.597064	chr1	64833459	64834344	+	0	NA	TTS (NM_0	TTS (NM_0	88826	NM_018211	55225	Hs.591443	NM_018211	ENSG00000	RAVER2	-	ribonucle	protein-coding
chr9-4104	9.154794	0.624895	0.698001	0.895264	0.370646	0.597064	chr9	41046461	41046764	+	0	NA	intron (N	intron (N	28013	NR_002836	595135	Hs.571593	NR_002836	ENSG00000	PGM5P2	-	phosphogl	pseudo
chr22-378	8.637843	-0.65629	0.733444	-0.8948	0.370894	0.597207	chr22	37880100	37880566	+	0	NA	intron (N	AluY|SINE	-25964	NM_033386	85377	Hs.517610	NM_033386	ENSG00000	MICALL1	MICAL-L1|	MICAL lik	protein-coding
chr5-1135	8.110413	-0.67519	0.761233	-0.88697	0.375097	0.603716	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	53809	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr19-386	8.044084	-0.67916	0.766791	-0.88572	0.37577	0.604542	chr19	38635668	38635926	+	0	NA	intron (N	intron (N	-11852	NM_004924	81	Hs.270291	NM_004924	ENSG00000	ACTN4	ACTININ-4	actinin a	protein-coding
chr3-1075	8.608662	-0.65167	0.736155	-0.88524	0.37603	0.604701	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	L1PA16|LI	25968	NM_020235	56987	Hs.124366	NM_020235	ENSG00000	BBX	ARTC1|HBP	BBX high	protein-coding
chr14-607	8.056467	-0.67619	0.764996	-0.88391	0.376742	0.605588	chr14	60718908	60720404	+	0	NA	intron (N	intron (N	4695	NM_017420	51804	Hs.97849	NM_017420	ENSG00000	SIX4	AREC3	SIX homec	protein-coding
chr19-126	10.82632	-0.52336	0.592966	-0.88261	0.377447	0.606203	chr19	12611864	12632306	+	0	NA	intron (N	SVA_F|Ret	11165	NM_153358	163049	Hs.720677	NM_153358	ENSG00000	ZNF791	-	zinc fing	protein-coding
chr9-1115	10.82632	-0.52336	0.592966	-0.88261	0.377447	0.606203	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	25196	NM_012212	22949	Hs.584864	NM_012212	ENSG00000	PTGR1	LTB4DH|PC	prostagla	protein-coding
chr16-340	10.81173	-0.52182	0.593168	-0.87972	0.37901	0.608453	chr16	3402466	3412129	+	0	NA	intron (N	MLT1A0|LT	6082	NM_003450	7727	Hs.155204	NM_003450	ENSG00000	ZNF174	ZSCAN8	zinc fing	protein-coding
chr13-418	8.095823	-0.67266	0.765476	-0.87874	0.379542	0.609047	chr13	41816410	41816609	+	0	NA	intron (N	intron (N	144576	NM_001009	23078	Hs.368282	NM_015058	ENSG00000	VWA8	KIAA0564|	von Wille	protein-coding
chr4-8679	8.137386	-0.67448	0.769581	-0.87643	0.380796	0.610799	chr4	86799369	86799664	+	0	NA	intron (N	AluSx|SIN	49868	NM_197965	345274	Hs.452996	NM_197965	ENSG00000	SLC10A6	SOAT	solute ca	protein-coding
chr1-1705	10.82411	-0.52008	0.593839	-0.8758	0.381141	0.611092	chr1	1.71E+08	1.71E+08	+	0	NA	intron (N	MLT1M|LTR	-17709	NR_125958	1.02E+08	Hs.676662	NR_125958		GORAB-AS1	-	GORAB ant	ncRNA
chr10-329	8.081232	-0.67	0.772764	-0.86701	0.385934	0.618514	chr10	32931761	32932039	+	0	NA	intron (N	intron (N	3658	NM_033668	3688	Hs.643813	NM_002211	ENSG00000	ITGB1	CD29|FNRB	integrin	protein-coding
chr1-1931	10.34046	-0.53319	0.620806	-0.85887	0.390414	0.619909	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	L2a|LINE|	-4871	NR_031691	1E+08		NR_031691	ENSG00000	MIR1278	MIRN1278|	microRNA	ncRNA
chr1-4045	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr1	40451766	40464571	+	0	NA	intron (N	MIR|SINE|	7692	NM_023070	65243	Hs.133034	NM_023070	ENSG00000	ZFP69B	ZKSCAN23E	ZFP69 zir	protein-coding
chr1-1520	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr1	1.52E+08	1.52E+08	+	0	NA	TTS (NM_0	TTS (NM_0	4685	NM_005620	6282	Hs.417004	NM_005620	ENSG00000	S100A11	HEL-S-43|	S100 calc	protein-coding
chr13-114	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	-2166	NR_049839	1.01E+08		NR_049839	ENSG00000	MIR548AR	-	microRNA	ncRNA
chr16-196	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr16	1961473	1964532	+	0	NA	promoter-	promoter-	104	NR_002326	26784	Hs.745496	NR_002326	ENSG00000	SNORA64	RNU64|U64	small nuc	snoRNA
chr17-161	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr17	16151314	16153379	+	0	NA	TTS (NR_1	TTS (NR_1	850	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr19-523	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr19	52371342	52386961	+	0	NA	intron (N	intron (N	9228	NM_001145	400713	Hs.502314	NM_001145	ENSG00000	ZNF880	-	zinc fing	protein-coding
chr19-527	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr19	52798006	52812537	+	0	NA	intron (N	AluSc8|SI	16362	NM_001369	7576	Hs.732407	NM_006969	ENSG00000	ZNF28	KOX24	zinc fing	protein-coding
chr19-528	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr19	52877269	52895879	+	0	NA	intron (N	intron (N	11061	NM_001351	162967	Hs.369632	NM_207333	ENSG00000	ZNF320	ZFPL	zinc fing	protein-coding
chr9-1252	10.32587	-0.5315	0.620194	-0.85699	0.391448	0.619909	chr9	1.25E+08	1.25E+08	+	0	NA	exon (NM_	exon (NM_	2520	NM_005347	3309	Hs.743241	NM_005347	ENSG00000	HSPA5	BIP|GRP78	heat shoc	protein-coding
chr8-1448	12.53911	-0.43643	0.51097	-0.85412	0.393041	0.619909	chr8	1.45E+08	1.45E+08	+	0	NA	exon (NM_	exon (NM_	10726	NM_001081	28991	Hs.493218	NM_014066	ENSG00000	COMMD5	HCARG|HTC	COMM doma	protein-coding
chr12-252	10.31128	-0.52981	0.621202	-0.85288	0.393728	0.619909	chr12	2520207	2520483	+	0	NA	intron (N	intron (N	151875	NR_046579	1.01E+08	Hs.667644	NR_046579	ENSG00000	CACNA1C-A	-	CACNA1C a	ncRNA
chr16-300	10.31128	-0.52981	0.621202	-0.85288	0.393728	0.619909	chr16	30065813	30073718	+	0	NA	intron (N	intron (N	4005	NM_184041	226	Hs.513490	NM_000034	ENSG00000	ALDOA	ALDA|GSD1	aldolase,	protein-coding
chr19-376	10.31128	-0.52981	0.621202	-0.85288	0.393728	0.619909	chr19	37633362	37652930	+	0	NA	intron (N	intron (N	12319	NM_001320	22835	Hs.668737	NM_014898	ENSG00000	ZFP30	ZNF745	ZFP30 zir	protein-coding
chr2-2008	10.31128	-0.52981	0.621202	-0.85288	0.393728	0.619909	chr2	2.01E+08	2.01E+08	+	0	NA	exon (NM_	exon (NM_	6514	NM_001207	9689	Hs.355983	NM_014670	ENSG00000	BZW1	BZAP45|Nb	basic leu	protein-coding
chr9-6385	9.657458	0.568259	0.667894	0.850823	0.394868	0.619909	chr9	63856164	63856537	+	0	NA	intron (N	L1MEc|LIN	3284	NR_033907	642236	Hs.650100	NR_033907		FRG1JP	-	FSHD regi	pseudo
chr4-1218	10.29668	-0.52808	0.623866	-0.84646	0.397296	0.619909	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	L1MA5A|LI	3672	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr19-489	9.827617	-0.54427	0.648665	-0.83906	0.401436	0.619909	chr19	48955879	48958869	+	0	NA	intron (N	AluSz6|SI	2499	NM_138763	581	Hs.624291	NM_004324	ENSG00000	BAX	BCL2L4	BCL2 assc	protein-coding
chr1-1419	9.800644	-0.54454	0.650034	-0.83771	0.402195	0.619909	chr1	14199	18501	+	0	NA	intron (N	intron (N	1086	NR_128720	1.04E+08		NR_128720	ENSG00000	MIR6859-4	hsa-mir-6	microRNA	ncRNA
chr12-121	10.28209	-0.52628	0.628292	-0.83764	0.402234	0.619909	chr12	12158344	12159100	+	0	NA	intron (N	intron (N	46770	NR_128710	1.04E+08		NR_128710	ENSG00000	MIR1244-4	hsa-mir-1	microRNA	ncRNA
chr1-1536	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	intron (N	-7158	NM_001024	6284	Hs.516505	NM_005979	ENSG00000	S100A13	-	S100 calc	protein-coding
chr1-2259	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr1	2.26E+08	2.26E+08	+	0	NA	3’ UTR (N	3’ UTR (N	14824	NM_152608	163859	Hs.520192	NM_152608	ENSG00000	SDE2	C1orf55|c	SDE2 telc	protein-coding
chr10-752	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr10	75211799	75225341	+	0	NA	intron (N	AluSx1|SI	8416	NM_001184	7417	Hs.355927	NM_003375	ENSG00000	VDAC2	POR	voltage c	protein-coding
chr17-323	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr17	32350924	32375495	+	0	NA	intron (N	AluSx1|SI	13071	NM_001098	7756	Hs.500775	NM_003457	ENSG00000	ZNF207	BuGZ|hBuG	zinc fing	protein-coding
chr18-587	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr18	58743197	58751026	+	0	NA	intron (N	intron (N	-66769	NR_146904	1.05E+08	Hs.210837	NR_146904	ENSG00000	LINC01926	-	long inte	ncRNA
chr19-117	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr19	11719371	11726999	+	0	NA	exon (NM_	exon (NM_	15761	NM_017507	55552	Hs.142167	NM_017507	ENSG00000	ZNF823	HSZFP36	zinc fing	protein-coding
chr19-121	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr19	12141486	12155481	+	0	NA	intron (N	intron (N	-8133	NM_001203	7568	Hs.512823	NM_021143	ENSG00000	ZNF20	KOX13	zinc fing	protein-coding
chr19-347	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr19	34762201	34771859	+	0	NA	intron (N	intron (N	6185	NM_001007	148103	Hs.590961	NM_001007	ENSG00000	ZNF599	-	zinc fing	protein-coding
chr22-384	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr22	38492076	38505233	+	0	NA	intron (N	intron (N	7657	NM_006386	10521	Hs.528305	NM_006386	ENSG00000	DDX17	P72|RH70	DEAD-box	protein-coding
chr3-1415	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr3	14153673	14173485	+	0	NA	intron (N	L1MB5|LIN	15022	NM_001354	7508	Hs.475538	NM_004628	ENSG00000	XPC	RAD4|XP3|	XPC compl	protein-coding
chr3-1018	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	5528	NM_031419	64332	Hs.319171	NM_031419	ENSG00000	NFKBIZ	IKBZ|INAP	NFKB inhi	protein-coding
chr4-8242	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr4	82424606	82428905	+	0	NA	intron (N	intron (N	3470	NM_001207	9987	Hs.527105	NM_005463	ENSG00000	HNRNPDL	HNRNP|HNR	heteroger	protein-coding
chr7-1026	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	4666	NM_032959	246721	Hs.610255	NM_032958	ENSG00000	POLR2J2	HRPB11B|F	RNA polym	protein-coding
chr7-1071	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr7	1.07E+08	1.07E+08	+	0	NA	intron (N	intron (N	19890	NM_012257	26959	Hs.162032	NM_012257	ENSG00000	HBP1	-	HMG-box t	protein-coding
chr8-2313	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr8	23135118	23148093	+	0	NA	intron (N	L1PA16|LI	22422	NM_003840	8793	Hs.213467	NM_003840	ENSG00000	TNFRSF10D	CD264|DCR	TNF recep	protein-coding
chr8-1436	9.813027	-0.54243	0.64885	-0.83598	0.403166	0.619909	chr8	1.44E+08	1.44E+08	+	0	NA	promoter-	promoter-	-647	NM_014789	9831	Hs.43133	NM_014789	ENSG00000	ZNF623	-	zinc fing	protein-coding
chr4-5922	8.413737	0.61965	0.742342	0.834723	0.403873	0.619909	chr4	59228	59467	+	0	NA	intron (N	intron (N	6026	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr1-2038	9.84	-0.54216	0.649652	-0.83453	0.40398	0.619909	chr1	2.04E+08	2.04E+08	+	0	NA	intron (N	AluSq2|SI	7167	NM_001174	1E+08		NM_001174	ENSG00000	ZBED6	MGR	zinc fing	protein-coding
chr15-490	9.84	-0.54216	0.649652	-0.83453	0.40398	0.619909	chr15	49034282	49036454	+	0	NA	exon (NM_	exon (NM_	11078	NM_014701	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bir	protein-coding
chr1-2239	9.825409	-0.54031	0.649838	-0.83145	0.405721	0.619909	chr1	2.24E+08	2.24E+08	+	0	NA	non-codin	non-codin	40722	NR_132119	441124	Hs.520589	NR_132119		GTF2IP20	-	general t	pseudo
chr19-494	9.825409	-0.54031	0.649838	-0.83145	0.405721	0.619909	chr19	49487776	49493325	+	0	NA	promoter-	promoter-	-67	NR_000020	26818		NR_000020	ENSG00000	SNORD33	RNU33|U33	small nuc	snoRNA
chr2-1053	9.825409	-0.54031	0.649838	-0.83145	0.405721	0.619909	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	AluSz|SIN	16077	NM_001318	2274	Hs.443687	NM_001450	ENSG00000	FHL2	AAG11|DRA	four and	protein-coding
chr6-3049	9.798436	-0.54057	0.650902	-0.83049	0.406264	0.619909	chr6	30490361	30494212	+	0	NA	intron (N	intron (N	2777	NM_005516	3133	Hs.650174	NM_005516	ENSG00000	HLA-E	HLA-6.2|G	major his	protein-coding
chr1-1241	9.810819	-0.53843	0.651903	-0.82593	0.408844	0.619909	chr1	1.24E+08	1.24E+08	+	0	NA	Intergeni	ALR/Alpha	2677401	NR_003955	647121	Hs.697682	NR_003955	ENSG00000	EMBP1	-	embigin p	pseudo
chr12-133	12.03865	-0.43998	0.532767	-0.82583	0.408899	0.619909	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	MER68B|LT	13928	NM_001289	7637	Hs.445019	NM_003428	ENSG00000	ZNF84	HPF2	zinc fing	protein-coding
chr3-1956	14.23731	-0.37048	0.449068	-0.825	0.409373	0.619909	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	MER9a3|LT	-8828	NR_122105	440993	Hs.708999	NM_001013714		MIR570HG	LINC00969	MIR570 hc	ncRNA
chr13-410	9.329368	-0.55859	0.679387	-0.8222	0.410962	0.619909	chr13	41065769	41067681	+	0	NA	intron (N	L1M5|LINE	5216	NM_007187	11193	Hs.411300	NM_007187	ENSG00000	WBP4	FBP21	WW domair	protein-coding
chr12-130	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr12	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSz|SIN	2949	NM_006325	5901	Hs.10842	NM_006325	ENSG00000	RAN	ARA24|Gsp	RAN, memb	protein-coding
chr14-391	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr14	39176965	39185851	+	0	NA	exon (NM_	exon (NM_	6154	NM_002687	5411	Hs.409965	NM_002687	ENSG00000	PNN	DRS|DRSP|	pinin, de	protein-coding
chr16-115	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr16	11547849	11557985	+	0	NA	intron (N	AluSx|SIN	-25670	NM_001370	400499	Hs.459937	NM_001370	ENSG00000	LOC400499	-	putative	protein-coding
chr2-1084	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	L1P1|LINE	35559	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr6-4288	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr6	42880645	42889202	+	0	NA	intron (N	intron (N	5307	NM_001366	285855	Hs.520133	NM_198486	ENSG00000	RPL7L1	dJ475N16.	ribosomal	protein-coding
chr7-6698	9.314778	-0.55658	0.678488	-0.82032	0.412035	0.619909	chr7	66986650	66994239	+	0	NA	intron (N	Ricksha_c	5142	NM_016038	51119	Hs.110445	NM_016038	ENSG00000	SBDS	CGI-97|SI	SBDS ribc	protein-coding
chr1-1625	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	HAL1M8|LI	9112	NM_175866	127933	Hs.127310	NM_144624	ENSG00000	UHMK1	KIS|KIST|	U2AF homc	protein-coding
chr1-1715	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-43765	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr10-701	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr10	70148674	70162160	+	0	NA	intron (N	intron (N	-8677	NR_073582	219743	Hs.533655	NM_173555	ENSG00000	TYSND1	NET41	trypsin c	protein-coding
chr10-737	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr10	73745993	73757637	+	0	NA	intron (N	intron (N	7443	NM_004922	9632	Hs.81964	NM_004922	ENSG00000	SEC24C	-	SEC24 hom	protein-coding
chr14-551	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr14	55137949	55147874	+	0	NA	intron (N	intron (N	5928	NR_003225	3958	Hs.531081	NM_002306	ENSG00000	LGALS3	CBP35|GAL	galectin	protein-coding
chr15-630	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr15	63056061	63070084	+	0	NA	intron (N	intron (N	-13685	NR_147233	1.11E+08	Hs.602995	NR_147233		TPM1-AS	TPM1-AS1	TPM1 anti	ncRNA
chr16-319	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr16	31911178	31919712	+	0	NA	exon (NM_	exon (NM_	41638	NM_003414	10308	Hs.460645	NM_003414	ENSG00000	ZNF267	HZF2	zinc fing	protein-coding
chr18-234	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr18	23455203	23483720	+	0	NA	intron (N	AluSg|SIN	16174	NM_003831	8780	Hs.445511	NM_003831	ENSG00000	RIOK3	SUDD	RIO kinas	protein-coding
chr18-352	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr18	35291645	35310972	+	0	NA	intron (N	MER105|DN	11036	NR_024565	10778	Hs.314246	NM_006629	ENSG00000	ZNF271P	CT-ZFP48|	zinc fing	pseudo
chr19-241	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr19	24124587	24130866	+	0	NA	exon (NM_	exon (NM_	35721	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr2-6932	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr2	69322282	69378525	+	0	NA	intron (N	intron (N	36824	NM_002056	2673	Hs.580300	NM_002056	ENSG00000	GFPT1	CMS12|CMS	glutamine	protein-coding
chr2-1084	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr2	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	5277	NR_028063	9648	Hs.436505	NM_181453	ENSG00000	GCC2	GCC185|RA	GRIP and	protein-coding
chr4-3868	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr4	38688065	38692782	+	0	NA	intron (N	intron (N	-25795	NR_026804	79667	Hs.29725	NM_024614	ENSG00000	KLF3-AS1	-	KLF3 anti	ncRNA
chr5-1797	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr5	1.8E+08	1.8E+08	+	0	NA	intron (N	L2c|LINE|	-15785	NM_014757	9794	Hs.631951	NM_014757	ENSG00000	MAML1	Mam-1|Man	mastermir	protein-coding
chr8-1411	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSx|SIN	34281	NM_001362	22898	Hs.18166	NM_014957	ENSG00000	DENND3	-	DENN doma	protein-coding
chr9-7315	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr9	73156461	73171584	+	0	NA	intron (N	intron (N	12157	NM_000700	301	Hs.494173	NM_000700	ENSG00000	ANXA1	ANX1|LPC1	annexin A	protein-coding
chr9-9226	9.327161	-0.55426	0.678417	-0.817	0.413931	0.619909	chr9	92267014	92278043	+	0	NA	intron (N	intron (N	20019	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr19-532	9.300188	-0.55457	0.679705	-0.81589	0.414562	0.619909	chr19	53236751	53253504	+	0	NA	intron (N	L1MA10|LI	9723	NM_001317	342926	Hs.20506	NM_182609	ENSG00000	ZNF677	-	zinc fing	protein-coding
chr1-1510	9.360757	-0.56754	0.698436	-0.81259	0.416455	0.619909	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	AluY|SINE	12512	NM_001303	58497	Hs.78524	NM_021222	ENSG00000	PRUNE1	DRES-17|D	prune exc	protein-coding
chr1-2826	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr1	28268831	28285261	+	0	NA	intron (N	AluSc8|SI	17528	NM_031459	83667	Hs.469543	NM_031459	ENSG00000	SESN2	HI95|SES2	sestrin 2	protein-coding
chr1-1458	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	-2439	NR_106794	1.02E+08		NR_106794	ENSG00000	MIR6736	hsa-mir-6	microRNA	ncRNA
chr1-1715	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr1	1.72E+08	1.72E+08	+	0	NA	intron (N	intron (N	-31850	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-2143	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr1	2.14E+08	2.14E+08	+	0	NA	intron (N	intron (N	112101	NM_020197	56950	Hs.66170	NM_020197	ENSG00000	SMYD2	HSKM-B|KM	SET and M	protein-coding
chr1-2463	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr1	2.46E+08	2.46E+08	+	0	NA	intron (N	L1PA3|LIN	88150	NM_022743	64754	Hs.567571	NM_022743	ENSG00000	SMYD3	KMT3E|ZMY	SET and M	protein-coding
chr10-620	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr10	62085123	62093302	+	0	NA	intron (N	intron (N	39855	NM_001244	84159	Hs.535297	NM_032199	ENSG00000	ARID5B	DESRT|MRF	AT-rich i	protein-coding
chr2-1084	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr2	1.08E+08	1.08E+08	+	0	NA	exon (NM_	exon (NM_	38862	NR_135290	644903		NM_032658	ENSG00000	GCC2-AS1	-	GCC2 anti	ncRNA
chr9-1115	9.31257	-0.55224	0.679636	-0.81256	0.416471	0.619909	chr9	1.12E+08	1.12E+08	+	0	NA	intron (N	MER11D|LT	6986	NM_012212	22949	Hs.584864	NM_012212	ENSG00000	PTGR1	LTB4DH|PC	prostagla	protein-coding
chr8-1722	9.339544	-0.55192	0.680872	-0.81061	0.417588	0.619909	chr8	17226954	17228838	+	0	NA	3’ UTR (N	3’ UTR (N	18562	NM_001322	29883	Hs.587465	NM_013354	ENSG00000	CNOT7	CAF-1|CAF	CCR4-NOT	protein-coding
chr11-108	9.835584	-0.5339	0.660824	-0.80794	0.419128	0.619909	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	AluJr|SIN	-41300	NM_000019	38	Hs.232375	NM_000019	ENSG00000	ACAT1	ACAT|MAT|	acetyl-Cc	protein-coding
chr2-1483	8.843503	-0.57217	0.710617	-0.80517	0.420722	0.619909	chr2	1.48E+08	1.48E+08	+	0	NA	intron (N	L1PA16|LI	-301667	NM_015630	26122	Hs.23270	NM_015630	ENSG00000	EPC2	EPC-LIKE	enhancer	protein-coding
chr14-226	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr14	22606959	22612266	+	0	NA	intron (N	intron (N	11374	NM_022060	63874	Hs.445665	NM_022060	ENSG00000	ABHD4	ABH4	abhydrola	protein-coding
chr14-709	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr14	70975908	70978917	+	0	NA	exon (NM_	exon (NM_	69953	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr2-4230	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr2	42302686	42303910	+	0	NA	intron (N	intron (N	56740	NR_134948	9167	Hs.339639	NM_004718	ENSG00000	COX7A2L	COX7AR|CC	cytochrom	protein-coding
chr22-324	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr22	32495774	32499102	+	0	NA	intron (N	L1PB2|LIN	22201	NM_001257	25793	Hs.5912	NM_012179	ENSG00000	FBXO7	FBX|FBXO7	F-box prc	protein-coding
chr3-3741	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr3	37415764	37420275	+	0	NA	3’ UTR (N	3’ UTR (N	6881	NM_001302	339883	Hs.475945	NM_178339	ENSG00000	C3orf35	APRG1	chromosom	protein-coding
chr4-1688	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr4	1.69E+08	1.69E+08	+	0	NA	intron (N	AluJr|SIN	65429	NM_001367	23022	Hs.151220	NM_016081	ENSG00000	PALLD	CGI-151|C	palladin,	protein-coding
chr9-7402	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr9	740242	747519	+	0	NA	intron (N	intron (N	37203	NM_001354	23189	Hs.306764	NM_015158	ENSG00000	KANK1	ANKRD15|C	KN motif	protein-coding
chr9-1213	8.828912	-0.56997	0.708325	-0.80468	0.421007	0.619909	chr9	1.21E+08	1.21E+08	+	0	NA	non-codin	non-codin	30244	NR_073037	2040	Hs.253903	NM_004099	ENSG00000	STOM	BND7|EPB7	stomatin	protein-coding
chr12-133	11.54041	-0.44648	0.555648	-0.80353	0.421671	0.619909	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1A1|LT	12166	NM_001165	10795	Hs.124047	NM_003415	ENSG00000	ZNF268	HZF3	zinc fing	protein-coding
chr15-636	8.801939	-0.57032	0.709892	-0.8034	0.421746	0.619909	chr15	63645317	63645756	+	0	NA	exon (NM_	exon (NM_	-44709	NR_034080	1E+08	Hs.631163	NR_034080	ENSG00000	USP3-AS1	-	USP3 anti	ncRNA
chr3-1423	8.801939	-0.57032	0.709892	-0.8034	0.421746	0.619909	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	L1PA16|LI	92912	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exc	protein-coding
chr7-7705	8.801939	-0.57032	0.709892	-0.8034	0.421746	0.619909	chr7	77052538	77053667	+	0	NA	TTS (NR_0	TTS (NR_0	7779	NM_001351	1.01E+08	Hs.651846	NM_001351348		SPDYE18	-	speedy/RI	protein-coding
chr8-5616	8.801939	-0.57032	0.709892	-0.8034	0.421746	0.619909	chr8	56166240	56167659	+	0	NA	exon (NM_	exon (NM_	44324	NM_001114	5324	Hs.14968	NM_002655	ENSG00000	PLAG1	PSA|SGPA|	PLAG1 zir	protein-coding
chr1-1238	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	12381569	12391085	+	0	NA	exon (NM_	exon (NM_	-120919	NR_003025	677885	Hs.658450	NR_003025	ENSG00000	SNORA59A	ACA59	small nuc	snoRNA
chr1-1459	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	1.46E+08	1.46E+08	+	0	NA	non-codin	non-codin	-1951	NR_147182	1.05E+08	Hs.603633	NR_147182	ENSG00000	LIX1L-AS1	-	LIX1L anti	ncRNA

chr1-1602	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	1.6E+08	1.6E+08	+	0	NA	intron (N	intron (N	-3720	NR_123725	729867	Hs.674191	NR_123725	ENSG00000	LOC729867	-	uncharact	ncRNA
chr1-1798	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1ME3Cz|L	13531	NM_001349	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr1-2260	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	AluSx|SIN	6835	NR_002315	440926	Hs.533624	NR_002315		H3F3AP4	p13	H3 histor	pseudo
chr1-2351	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	L1ME4b|LI	15986	NM_001346	23029	Hs.535224	NM_015014	ENSG00000	RBM34	-	RNA bindi	protein-coding
chr10-457	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr10	45754555	45796151	+	0	NA	intron (N	AluSx|SIN	41971	NM_001351	643479	Hs.522900	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr11-185	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr11	18554308	18557852	+	0	NA	intron (N	intron (N	23438	NM_001261	55293	Hs.407991	NM_018314	ENSG00000	UEVLD	ATTP|UEV3	UEV and l	protein-coding
chr11-340	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr11	34076140	34101676	+	0	NA	intron (N	intron (N	-16721	NM_001144	55226	Hs.577281	NM_024662	ENSG00000	NAT10	ALP|Kre33	N-acetylt	protein-coding
chr11-576	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr11	57659517	57662811	+	0	NA	exon (NM_	exon (NM_	3402	NM_006831	10978	Hs.523687	NM_006831	ENSG00000	CLP1	HEAB|hClp	cleavage	protein-coding
chr11-108	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr11	1.08E+08	1.08E+08	+	0	NA	intron (N	L1P3|LINE	50745	NM_001351	472	Hs.367437	NM_000051	ENSG00000	ATM	AT1|ATA|A	ATM serir	protein-coding
chr11-125	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr11	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	9393	NM_001330	9538	Hs.643514	NM_004879	ENSG00000	EI24	EPG4|PIG8	EI24 autc	protein-coding
chr12-577	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr12	57747183	57751288	+	0	NA	promoter-	promoter-	-553	NR_106817	1.02E+08		NR_106817	ENSG00000	MIR6759	hsa-mir-6	microRNA	ncRNA
chr14-498	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr14	49807369	49851414	+	0	NA	exon (NM_	exon (NM_	23397	NM_004713	9147	Hs.655964	NM_004713	ENSG00000	NEMF	NY-CO-1|S	nuclear e	protein-coding
chr14-747	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr14	74778921	74785520	+	0	NA	exon (NM_	exon (NM_	18904	NM_019589	56252	Hs.531111	NM_019589	ENSG00000	YLPM1	C14orf170	YLP motif	protein-coding
chr16-275	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr16	2753621	2776180	+	0	NA	exon (NM_	exon (NM_	12262	NM_016333	23524	Hs.433343	NM_016333	ENSG00000	SRRM2	300-KD|CW	serine/ar	protein-coding
chr16-223	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr16	22344000	22352984	+	0	NA	intron (N	MER5B|DNA	26127	NM_001802	1039	Hs.513430	NM_001802	ENSG00000	CDR2	CDR62|Yo	cerebella	protein-coding
chr16-249	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr16	24956180	24970680	+	0	NA	intron (N	intron (N	51939	NM_018054	55114	Hs.373793	NM_018054	ENSG00000	ARHGAP17	MST066|MS	Rho GTPas	protein-coding
chr16-307	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr16	30700102	30739772	+	0	NA	intron (N	L1PA16|LI	9400	NR_002966	677813	Hs.689718	NR_002966	ENSG00000	SNORA30	ACA30|SNO	small nuc	snoRNA
chr16-705	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr16	70554032	70572964	+	0	NA	intron (N	intron (N	-16397	NM_152456	146433	Hs.461214	NM_152456	ENSG00000	IL34	C16orf77|	interleuk	protein-coding
chr17-388	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr17	38800815	38815607	+	0	NA	intron (N	AluSx3|SI	-8306	NM_003559	8396	Hs.260603	NM_003559	ENSG00000	PIP4K2B	PI5P4KB|P	phosphati	protein-coding
chr17-489	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr17	48916351	48943521	+	0	NA	TTS (NM_0	TTS (NM_0	14906	NM_001317	11267	Hs.127249	NM_007241	ENSG00000	SNF8	Dot3|EAP3	SNF8 subu	protein-coding
chr17-758	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr17	75845161	75853032	+	0	NA	intron (N	intron (N	-4379	NM_199242	201294	Hs.41045	NM_199242	ENSG00000	UNC13D	FHL3|HLH3	unc-13 ho	protein-coding
chr17-788	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr17	78808319	78822257	+	0	NA	intron (N	AluSc|SIN	25239	NM_001321	57602	Hs.464243	NM_025090	ENSG00000	USP36	DUB1	ubiquitin	protein-coding
chr18-352	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr18	35256044	35264821	+	0	NA	intron (N	L1PA10|LI	19398	NM_001135	84307	Hs.591061	NM_032347	ENSG00000	ZNF397	ZNF47|ZSC	zinc fing	protein-coding
chr19-560	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr19	5602820	5621750	+	0	NA	intron (N	intron (N	10491	NM_014649	9667	Hs.655392	NM_014649	ENSG00000	SAFB2	-	scaffold	protein-coding
chr19-356	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr19	35651026	35659143	+	0	NA	intron (N	AluSc8|SI	6761	NM_001863	1340	Hs.431668	NM_001863	ENSG00000	COX6B1	COX6B|COX	cytochrom	protein-coding
chr19-477	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr19	47729963	47742974	+	0	NA	exon (NM_	exon (NM_	-9078	NM_015710	29997	Hs.421907	NM_015710	ENSG00000	NOP53	GLTSCR2|F	NOP53 rib	protein-coding
chr2-8611	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr2	86115272	86139556	+	0	NA	intron (N	intron (N	-8456	NR_004378	692225	Hs.723087	NR_004378	ENSG00000	SNORD94	U94	small nuc	snoRNA
chr20-453	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr20	45325806	45336285	+	0	NA	intron (N	MER41B|LT	17379	NM_002999	6385	Hs.632267	NM_002999	ENSG00000	SDC4	SYND4	syndecan	protein-coding
chr20-492	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr20	49243272	49275786	+	0	NA	intron (N	AluJo|SIN	18528	NM_021035	57169	Hs.371794	NM_021035	ENSG00000	ZNFX1	-	zinc fing	protein-coding
chr22-411	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr22	41123924	41167309	+	0	NA	intron (N	intron (N	51885	NR_110514	1.02E+08	Hs.517517	NR_110514		EP300-AS1	-	EP300 ant	ncRNA
chr3-1699	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx1|SI	18489	NM_003262	7095	Hs.744859	NM_003262	ENSG00000	SEC62	Dtrp1|HTP	SEC62 hom	protein-coding
chr3-1979	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr3	1.98E+08	1.98E+08	+	0	NA	intron (N	intron (N	4730	NM_001316	6165	Hs.529631	NM_000996	ENSG00000	RPL35A	DBA5|L35A	ribosomal	protein-coding
chr4-7595	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr4	75954437	75983046	+	0	NA	intron (N	intron (N	-12049	NR_125906	1.02E+08	Hs.637575	NR_125906	ENSG00000	LOC101928	-	uncharact	ncRNA
chr4-7701	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr4	77016926	77021841	+	0	NA	intron (N	intron (N	55527	NM_001348	10983	Hs.518827	NM_006835	ENSG00000	CCNI	CCNI1|CYC	cyclin I	protein-coding
chr5-7286	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr5	72861092	72877076	+	0	NA	intron (N	BLACKJACK	-9507	NR_039968	1.01E+08		NR_039968	ENSG00000	MIR4804	-	microRNA	ncRNA
chr5-1324	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	4870	NM_001354	3659	Hs.436061	NM_002198	ENSG00000	IRF1	IRF-1|MAR	interfero	protein-coding
chr5-1419	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr5	1.42E+08	1.42E+08	+	0	NA	intron (N	AluJb|SIN	12545	NM_183401	9604	Hs.483616	NM_004290	ENSG00000	RNF14	ARA54|HFB	ring fing	protein-coding
chr6-5645	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr6	56456370	56460458	+	0	NA	3' UTR (N	3' UTR (N	-64286	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr7-4727	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr7	47276345	47276804	+	0	NA	3' UTR (N	3' UTR (N	188229	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-7283	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr7	72831117	72839756	+	0	NA	intron (N	intron (N	6063	NR_024111	155370	Hs.585053	NR_001588	ENSG00000	SBDSP1	SBDSP	SBDS pseu	pseudo
chr8-3046	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chr8	30469935	30472107	+	0	NA	intron (N	intron (N	-85620	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chrX-2405	8.814322	-0.56779	0.708431	-0.80148	0.422853	0.619909	chrX	24055807	24069315	+	0	NA	exon (NM_	exon (NM_	7605	NM_001415	1968	Hs.539684	NM_001415	ENSG00000	EIF2S3	EIF2|EIF2	eukaryoti	protein-coding
chr1-1863	8.841295	-0.56744	0.709741	-0.7995	0.423999	0.619909	chr1	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	3282	NM_003292	7175	Hs.279640	NM_003292	ENSG00000	TPR	-	transloca	protein-coding
chr11-883	8.841295	-0.56744	0.709741	-0.7995	0.423999	0.619909	chr11	88330805	88332716	+	0	NA	intron (N	MER21A|LT	5976	NM_001114	1075	Hs.128065	NM_001814	ENSG00000	CTSC	CPPI|DPP-	cathepsin	protein-coding
chr2-1890	8.841295	-0.56744	0.709741	-0.7995	0.423999	0.619909	chr2	1.89E+08	1.89E+08	+	0	NA	intron (N	intron (N	68142	NR_036076	1E+08		NR_036076	ENSG00000	MIR3129	mir-3129	microRNA	ncRNA
chr5-9573	8.841295	-0.56744	0.709741	-0.7995	0.423999	0.619909	chr5	95736284	95739936	+	0	NA	intron (N	L1ME3|LIN	-6008	NM_001349	83890	Hs.50499	NM_031952	ENSG00000	SPATA9	NYD-SP16	spermatog	protein-coding
chr1-1012	8.826705	-0.56525	0.70985	-0.7963	0.425857	0.619909	chr1	10129457	10133484	+	0	NA	intron (N	AluSx|SIN	-79100	NM_001365	23095	Hs.97858	NM_015074	ENSG00000	KIF1B	CMT2|CMT2	kinesin f	protein-coding
chr1-1505	8.826705	-0.56525	0.70985	-0.7963	0.425857	0.619909	chr1	1.51E+08	1.51E+08	+	0	NA	exon (NM_	exon (NM_	3655	NM_001202	1893	Hs.81071	NM_004425	ENSG00000	ECM1	URBWD	extracell	protein-coding
chr10-122	8.826705	-0.56525	0.70985	-0.7963	0.425857	0.619909	chr10	12209701	12212658	+	0	NA	intron (N	intron (N	14991	NM_006023	8872	Hs.412842	NM_006023	ENSG00000	CDC123	C10orf7|D	cell divi	protein-coding
chr5-5526	8.826705	-0.56525	0.70985	-0.7963	0.425857	0.619909	chr5	55262804	55275064	+	0	NA	intron (N	intron (N	-35217	NR_125346	10309	Hs.3041	NM_021147	ENSG00000	CCNO	CCNU|CILD	cyclin O	protein-coding
chr8-2899	8.826705	-0.56525	0.70985	-0.7963	0.425857	0.619909	chr8	28999929	29000749	+	0	NA	intron (N	L1M4|LINE	109025	NM_001324	79618	Hs.563560	NM_024567	ENSG00000	HMBOX1	HNF1LA|HO	homeobox	protein-coding
chr15-727	8.774966	-0.57071	0.716878	-0.7961	0.425971	0.619909	chr15	72781634	72782199	+	0	NA	promoter-	promoter-	-919	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr2-2029	8.799731	-0.5656	0.71094	-0.79556	0.426286	0.619909	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluSp|SIN	10898	NM_001322	79800	Hs.444982	NM_024744	ENSG00000	CARF	ALS2CR8|N	calcium r	protein-coding
chr3-4597	8.799731	-0.5656	0.71094	-0.79556	0.426286	0.619909	chr3	45974703	45975461	+	0	NA	intron (N	MIRc|SINE	20742	NM_024513	79443	Hs.200227	NM_024513	ENSG00000	FYCO1	CATC2|CTF	FYVE and	protein-coding
chr7-5975	8.799731	-0.5656	0.71094	-0.79556	0.426286	0.619909	chr7	5975701	5980797	+	0	NA	intron (N	intron (N	-7566	NM_173565	222967	Hs.442339	NM_173565	ENSG00000	RSPH10B	-	radial sp	protein-coding
chr22-402	8.330664	-0.58772	0.739309	-0.79496	0.426636	0.619909	chr22	40259467	40259875	+	0	NA	intron (N	intron (N	81746	NM_015088	23112	Hs.372082	NM_015088	ENSG00000	TNRC6B	-	trinucleo	protein-coding
chr6-3197	8.330664	-0.58772	0.739309	-0.79496	0.426636	0.619909	chr6	31979747	31980868	+	0	NA	intron (N	intron (N	-1750	NM_001002	721	Hs.534847	NM_001002	ENSG00000	C4B	C4B1|C4B1	complemen	protein-coding
chr19-143	8.345254	-0.59013	0.74335	-0.79388	0.427264	0.619909	chr19	14390551	14391323	+	0	NA	exon (NM_	exon (NM_	9493	NM_078481	976	Hs.466039	NM_001784	ENSG00000	ADGRE5	CD97|TM7L	adhesion	protein-coding
chr1-1455	9.767048	-0.53227	0.670606	-0.79372	0.42736	0.619909	chr1	1.46E+08	1.46E+08	+	0	NA	non-codin	non-codin	34420	NR_104217	1.02E+08	Hs.534675	NR_104217	ENSG00000	NBPF25P	WI2-925H4	NBPF memb	pseudo
chr1-4630	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr1	46308806	46318127	+	0	NA	intron (N	AluYh3|SI	9768	NM_001297	7388	Hs.481571	NM_006004	ENSG00000	UQCRH	QCR6|UQCR	ubiquinol	protein-coding
chr1-5320	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr1	53200745	53214854	+	0	NA	intron (N	HAL1|LINE	10975	NM_000098	1376	Hs.713535	NM_000098	ENSG00000	CPT2	CPT1|CPTA	carnitine	protein-coding
chr1-1100	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	7791	NM_033088	85369	Hs.584996	NM_033088	ENSG00000	STRIP1	FAM40A|FA	striatin	protein-coding
chr1-2018	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr1	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	2653	NR_106797	1.02E+08		NR_106797	ENSG00000	MIR6739	hsa-mir-6	microRNA	ncRNA
chr11-496	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr11	496244	502472	+	0	NA	intron (N	intron (N	7410	NM_002939	6050	Hs.530687	NM_002939	ENSG00000	RNH1	RAI|RNH	ribonucle	protein-coding
chr11-123	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr11	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	3684	NM_001301	7753	Hs.112556	NM_003455	ENSG00000	ZNF202	ZKSCAN10|	zinc fing	protein-coding
chr15-771	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr15	77155694	77158937	+	0	NA	intron (N	intron (N	68089	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr17-352	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr17	35258180	35267843	+	0	NA	intron (N	L1ME1|LIN	19939	NM_144975	162394	Hs.585792	NM_144975	ENSG00000	SLFN5	-	schlafen	protein-coding
chr17-469	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr17	46929372	46941383	+	0	NA	3' UTR (N	3' UTR (N	12217	NM_054022	9570	Hs.463278	NM_004287	ENSG00000	GOSR2	Bos1|EPM6	golgi SNA	protein-coding
chr2-1855	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr2	18554712	18555906	+	0	NA	exon (NM_	exon (NM_	5344	NM_020905	57665	Hs.120319	NM_020905	ENSG00000	RDH14	PAN2|SDR7	retinol d	protein-coding
chr20-356	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr20	35686635	35690005	+	0	NA	intron (N	AluSz|SIN	11032	NR_037570	9054	Hs.194692	NM_021100	ENSG00000	NFS1	HUSSY-08|	NFS1 cyst	protein-coding
chr22-305	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr22	30585818	30589447	+	0	NA	intron (N	intron (N	4278	NM_014303	23481	Hs.517543	NM_014303	ENSG00000	PES1	NOP7|PES	pescadill	protein-coding
chr3-4859	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr3	48599147	48609220	+	0	NA	TTS (NR_1	TTS (NR_1	967	NR_132776	1.07E+08		NR_132776		SNORA94	-	small nuc	snoRNA
chr3-1237	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr3	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	86225	NR_046629	1.01E+08	Hs.667316	NR_046629	ENSG00000	MYLK-AS2	-	MYLK anti	ncRNA
chr6-3357	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr6	33571934	33578411	+	0	NA	intron (N	intron (N	5104	NM_001188	578	Hs.485139	NM_001188	ENSG00000	BAK1	BAK|BAK-L	BCL2 anta	protein-coding
chr8-1729	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr8	17293456	17294909	+	0	NA	intron (N	L1PA7|LIN	47224	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr8-3812	8.316073	-0.58536	0.738006	-0.79317	0.42768	0.619909	chr8	38128233	38129569	+	0	NA	exon (NM_	exon (NM_	22051	NM_000349	6770	Hs.521535	NM_000349	ENSG00000	STAR	STARD1	steroidog	protein-coding
chr11-730	8.343046	-0.58497	0.739346	-0.7912	0.428828	0.619909	chr11	73077602	73079503	+	0	NA	intron (N	L1ME3|LIN	63766	NM_014824	9873	Hs.744959	NM_014824	ENSG00000	FCHSD2	NWK|NWK1|	FCH and c	protein-coding
chr13-795	8.343046	-0.58497	0.739346	-0.7912	0.428828	0.619909	chr13	79523464	79523832	+	0	NA	intron (N	Tigger7|D	-42417	NR_046685	1.01E+08	Hs.602801	NR_046685	ENSG00000	NDFIP2-AS	-	NDFIP2 an	ncRNA
chr2-1914	8.343046	-0.58497	0.739346	-0.7912	0.428828	0.619909	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	172568	NM_001130	4430	Hs.439620	NM_012223	ENSG00000	MYO1B	MMI-alpha	myosin IB	protein-coding
chr6-3744	8.343046	-0.58497	0.739346	-0.7912	0.428828	0.619909	chr6	37443454	37447937	+	0	NA	intron (N	AluYm1|SI	12474	NM_015050	23070	Hs.520102	NM_015050	ENSG00000	CMTR1	FTSJD2|KI	cap methy	protein-coding
chr1-1002	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1E+08	1E+08	+	0	NA	exon (NM_	exon (NM_	-5623	NR_030279	693138		NR_030279	ENSG00000	MIR553	MIRN553|h	microRNA	ncRNA
chr1-1163	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.16E+08	1.16E+08	+	0	NA	intron (N	intron (N	1989	NM_001160	476	Hs.371889	NM_000701	ENSG00000	ATP1A1	CMT2DD|HC	ATPase Na	protein-coding
chr1-1514	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	13961	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr1-1553	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.55E+08	1.55E+08	+	0	NA	intron (N	AluSx|SIN	-26699	NR_030282	693140		NR_030282	ENSG00000	MIR555	MIRN555|h	microRNA	ncRNA
chr1-1590	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	LTR82A|LT	27770	NM_004833	9447	Hs.733411	NM_004833	ENSG00000	AIM2	PYHIN4	absent in	protein-coding
chr1-1627	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	MIR3|SINE	-29895	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1627	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	intron (N	12239	NM_001304	51478	Hs.492925	NM_016371	ENSG00000	HSD17B7	PRAP|SDR3	hydroxyst	protein-coding
chr1-1677	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.68E+08	1.68E+08	+	0	NA	3' UTR (N	3' UTR (N	66348	NM_001146	9019	Hs.493919	NM_003953	ENSG00000	MPZL1	MPZL1b|PZ	myelin pr	protein-coding
chr1-1759	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	1.76E+08	1.76E+08	+	0	NA	intron (N	L1MEg|LIN	-16784	NR_002998	677679		NR_002998	ENSG00000	SCARNA3	HBI-100	small Caj	ncRNA
chr1-2077	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	intron (N	15920	NM_172357	4179	Hs.510402	NM_002389	ENSG00000	CD46	AHUS2|MCP	CD46 mole	protein-coding
chr1-2259	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	5585	NM_152608	163859	Hs.520192	NM_152608	ENSG00000	SDE2	C1orf55|d	SDE2 telo	protein-coding
chr1-2312	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	2.31E+08	2.31E+08	+	0	NA	exon (NM_	exon (NM_	34201	NM_014236	8443	Hs.498028	NM_014236	ENSG00000	GNPAT	DAP-AT|DA	glycerone	protein-coding
chr1-2403	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	2.4E+08	2.4E+08	+	0	NA	intron (N	intron (N	252907	NM_022469	64388	Hs.98206	NM_022469	ENSG00000	GREM2	CKTSF1B2|	gremlin 2	protein-coding
chr1-2469	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	AluSg7|SI	25955	NM_015446	25909	Hs.300887	NM_015446	ENSG00000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-687	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr10	68722763	68762569	+	0	NA	intron (N	AluSz|SIN	-12506	NR_003076	692211		NR_003076	ENSG00000	SNORD98	HBII-419	small nuc	snoRNA
chr11-949	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr11	9496859	9498772	+	0	NA	intron (N	intron (N	36803	NM_003442	7702	Hs.523471	NM_003442	ENSG00000	ZNF143	SBF|STAF|	zinc fing	protein-coding
chr11-474	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr11	47478226	47488779	+	0	NA	exon (NM_	exon (NM_	5522	NM_001025	10658	Hs.595333	NM_006560	ENSG00000	CELF1	BRUNOL2|C	CUGBP Ela	protein-coding
chr11-628	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr11	62851592	62855537	+	0	NA	promoter-	promoter-	168	NR_002561	9299		NR_002561	ENSG00000	SNORD30	RNU30|U30	small nuc	snoRNA
chr11-672	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr11	67223552	67233187	+	0	NA	intron (N	intron (N	-11645	NM_001256	22992	Hs.124147	NM_012308	ENSG00000	KDM2A	CXXC8|FBL	lysine de	protein-coding
chr11-937	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr11	93729060	93741309	+	0	NA	promoter-	promoter-	52	NR_002973	677822	Hs.732267	NR_002973	ENSG00000	SNORA40	ACA40|SNO	small nuc	snoRNA
chr12-716	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr12	71639511	71647323	+	0	NA	intron (N	AluSq2|SI	20431	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr12-108	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	LTR28B|LT	29551	NM_001161	54434	Hs.199763	NM_018984	ENSG00000	SSH1	SSH1L	slingshot	protein-coding
chr12-122	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluSx1|SI	10388	NM_030765	79369	Hs.363315	NM_030765	ENSG00000	B3GNT4	B3GN-T4|b	UDP-GlcNA	protein-coding
chr14-390	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr14	39079450	39096529	+	0	NA	intron (N	MIRb|SINE	-15151	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr14-519	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr14	51999828	52024874	+	0	NA	intron (N	AluJb|SIN	22805	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr14-885	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr14	88566430	88581873	+	0	NA	intron (N	intron (N	10804	NM_207661	79882	Hs.684046	NM_024824	ENSG00000	ZC3H14	MRT56|MSU	zinc fing	protein-coding
chr15-297	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr15	29702805	29737128	+	0	NA	exon (NM_	exon (NM_	45031	NR_135221	1E+08	Hs.525720	NR_135221	ENSG00000	LOC100130	-	uncharact	ncRNA
chr15-399	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr15	39979012	39996563	+	0	NA	intron (N	intron (N	51394	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr15-400	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr15	40017625	40038164	+	0	NA	intron (N	AluY|SINE	11287	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr15-484	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr15	48467067	48474717	+	0	NA	intron (N	intron (N	138695	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr15-596	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr15	59668034	59682520	+	0	NA	intron (N	intron (N	13649	NM_001320	663	Hs.592515	NM_004330	ENSG00000	BNIP2	BNIP-2|NI	BCL2 inte	protein-coding
chr16-146	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr16	14620611	14628661	+	0	NA	intron (N	intron (N	5624	NM_001134	5073	Hs.253197	NM_002582	ENSG00000	PARN	DAN|DKCB6	poly(A)-s	protein-coding
chr16-218	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr16	21851626	21858700	+	0	NA	intron (N	intron (N	2494	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr17-400	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr17	40092851	40099881	+	0	NA	intron (N	intron (N	4223	NM_021724	9572	Hs.724	NM_021724	ENSG00000	NR1D1	EAR1|REVE	nuclear r	protein-coding
chr18-542	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr18	54287233	54291240	+	0	NA	intron (N	L1M4a1|LI	19662	NM_001351	11201	Hs.438533	NM_007195	ENSG00000	POLI	RAD30B|RA	DNA polym	protein-coding
chr19-932	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	9325125	9334572	+	0	NA	intron (N	AluSx4|SI	5153	NM_001202	1.01E+08	Hs.728944	NM_001172	ENSG00000	ZNF559-ZN	-	ZNF559-ZN	protein-coding
chr19-121	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	12167814	12195204	+	0	NA	intron (N	AluSx1|SI	-13506	NR_104179	1E+08	Hs.662603	NR_104179		LOC100289	-	uncharact	ncRNA
chr19-129	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	12922411	12932040	+	0	NA	intron (N	L2a|LINE|	-3297	NR_149078	1.06E+08	Hs.579870	NR_149078	ENSG00000	FARSA-AS1	-	FARSA ant	ncRNA
chr19-364	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	36448706	36457765	+	0	NA	intron (N	AluSc|SIN	32061	NR_033748	644189	Hs.608412	NR_033748		LOC644189	-	acyl-CoA	pseudo
chr19-371	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	37126309	37130688	+	0	NA	exon (NM_	exon (NM_	43938	NM_199126	199704	Hs.659236	NM_152655	ENSG00000	ZNF585A	-	zinc fing	protein-coding
chr19-386	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	38620741	38633827	+	0	NA	intron (N	AluSz6|SI	8096	NM_001300	27335	Hs.314359	NM_013234	ENSG00000	EIF3K	ARG134|EI	eukaryoti	protein-coding
chr19-518	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr19	51871790	51881309	+	0	NA	intron (N	intron (N	11387	NM_001135	84765	Hs.723015	NM_032679	ENSG00000	ZNF577	-	zinc fing	protein-coding
chr2-6907	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr2	69074868	69082366	+	0	NA	intron (N	MIRb|SINE	-25065	NR_036073	1E+08		NR_036073	ENSG00000	MIR3126	mir-3126	microRNA	ncRNA

chr2-1278	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr2	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	-8596	NM_004805	5433	Hs.715348	NM_004805	ENSG00000	POLR2D	HSRBP4|HS	RNA polym	protein-coding
chr20-398	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr20	3989272	3990004	+	0	NA	intron (N	MLT1I|LTR	25920	NM_001134	11237	Hs.547576	NM_007219	ENSG00000	RNF24	G1L	ring fing	protein-coding
chr20-459	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr20	45960585	45962594	+	0	NA	intron (N	intron (N	10614	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr20-496	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr20	49651195	49656524	+	0	NA	intron (N	intron (N	60019	NM_004776	9334	Hs.370487	NM_004776	ENSG00000	B4GALT5	B4Gal-T5|	beta-1,4-	protein-coding
chr3-9452	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr3	9452911	9459839	+	0	NA	intron (N	AluSx|SIN	58675	NM_001080	55209	Hs.288164	NM_018187	ENSG00000	SETD5	-	SET domai	protein-coding
chr3-1335	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr3	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	8252	NM_001282	55573	Hs.518265	NM_017548	ENSG00000	CDV3	H41	CDV3 homo	protein-coding
chr4-3155	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr4	3155770	3165253	+	0	NA	intron (N	intron (N	-83858	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr5-3468	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr5	34687362	34695233	+	0	NA	intron (N	intron (N	3738	NM_001145	26064	Hs.431400	NM_015577	ENSG00000	RAI14	NORPEG|RA	retinoic	protein-coding
chr5-8349	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr5	83494040	83494243	+	0	NA	intron (N	intron (N	22397	NM_004385	1462	Hs.643801	NM_004385	ENSG00000	VCAN	CSPG2|ERV	versican	protein-coding
chr5-1406	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	-3786	NM_144723	153527	Hs.350194	NM_144723	ENSG00000	ZMAT2	Ptg-12|Sr	zinc fing	protein-coding
chr6-3320	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr6	33201539	33205253	+	0	NA	intron (N	intron (N	-1259	NM_014234	7923	Hs.415058	NM_014234	ENSG00000	HSD17B8	D6S2245E|	hydroxyst	protein-coding
chr7-6694	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr7	66947980	66951731	+	0	NA	intron (N	intron (N	28630	NM_017994	55069	Hs.488478	NM_017994	ENSG00000	TMEM248	C7orf42	transmemb	protein-coding
chr7-9941	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr7	99410468	99422367	+	0	NA	TTS (NM_0	TTS (NM_0	7245	NR_162133	1.13E+08		NR_162133		MIR12119	-	microRNA	ncRNA
chr8-1983	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr8	19830309	19845999	+	0	NA	intron (N	AluSz|SIN	20738	NM_018142	55174	Hs.512627	NM_018142	ENSG00000	INTS10	C8orf35|I	integrato	protein-coding
chr8-1028	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	27265	NR_149020	401472		NR_149020		GASAL1	GASL1	growth ar	ncRNA
chr9-3298	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	32982815	32989915	+	0	NA	intron (N	AluSx1|SI	15211	NM_001195	54840	Hs.20158	NM_017692	ENSG00000	APTX	AOA|AOA1|	aprataxin	protein-coding
chr9-3504	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	35043074	35069114	+	0	NA	TTS (NM_0	TTS (NM_0	13854	NM_203299	138724	Hs.148250	NM_203299	ENSG00000	C9orf131	-	chromosom	protein-coding
chr9-1253	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	1.25E+08	1.25E+08	+	0	NA	intron (N	intron (N	93207	NM_001354	26130	Hs.42376	NM_015635	ENSG00000	GAPVD1	GAPEX5|GA	GTPase ac	protein-coding
chr9-1314	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	-16899	NR_002914	26786		NR_002914	ENSG00000	SNORD62A	RNU62|U62	small nuc	snoRNA
chr9-1333	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	1.33E+08	1.33E+08	+	0	NA	TTS (NM_0	TTS (NM_0	1103	NR_000016	26813		NR_000016	ENSG00000	SNORD36C	RNU36C|U3	small nuc	snoRNA
chr9-1364	8.328456	-0.58262	0.738045	-0.78941	0.429873	0.619909	chr9	1.36E+08	1.36E+08	+	0	NA	exon (NM_	exon (NM_	7902	NM_015160	23203	Hs.495471	NM_015160	ENSG00000	PMPCA	Alpha-MPP	peptidase	protein-coding
chr2-3885	8.2891	-0.58578	0.742654	-0.78876	0.43025	0.619909	chr2	38859962	38862239	+	0	NA	exon (NM_	exon (NM_	14834	NM_001329	90957	Hs.468226	NM_198963	ENSG00000	DHX57	DDX57	DExH-box	protein-coding
chr2-5812	8.2891	-0.58578	0.742654	-0.78876	0.43025	0.619909	chr2	58123590	58123834	+	0	NA	intron (N	AluJb|SIN	77000	NM_001130	7444	Hs.715298	NM_006296	ENSG00000	VRK2	-	VRK serin	protein-coding
chr10-458	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr10	45825512	45827468	+	0	NA	exon (NM_	exon (NM_	-9166	NM_001351	643479	Hs.522900	NM_001351234		FAM25E	FAM25D	family wi	protein-coding
chr11-354	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr11	35447502	35449885	+	0	NA	intron (N	L1PA10|LI	-28635	NM_001252	6506	Hs.502338	NM_004171	ENSG00000	SLC1A2	EAAT2|EIE	solute ca	protein-coding
chr19-252	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr19	25275012	25275862	+	0	NA	Intergeni	ALR/Alpha	-1111990	NR_003603	1E+08	Hs.149312	NR_003603	ENSG00000	HAVCR1P1	-	hepatitis	pseudo
chr19-486	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr19	48614835	48618440	+	0	NA	intron (N	intron (N	2541	NR_073022	6141	Hs.515517	NM_000979	ENSG00000	RPL18	DBA18|L18	ribosomal	protein-coding
chr19-535	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr19	53568650	53579582	+	0	NA	intron (N	AluSx|SIN	18809	NM_001079	55422	Hs.185674	NM_018555	ENSG00000	ZNF331	RITA|ZNF3	zinc fing	protein-coding
chr5-1507	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr5	1.51E+08	1.51E+08	+	0	NA	intron (N	AluJb|SIN	-17998	NM_018047	55696	Hs.713564	NM_018047	ENSG00000	RBM22	Cwc2|ZC3H	RNA bindi	protein-coding
chr6-5350	8.301483	-0.58301	0.739381	-0.78851	0.430396	0.619909	chr6	53502795	53511557	+	0	NA	intron (N	intron (N	37925	NM_001197	2729	Hs.654465	NM_001498	ENSG00000	GCLC	GCL|GCS|(	glutamate	protein-coding
chr18-701	8.839087	-0.56265	0.714243	-0.78775	0.430843	0.619909	chr18	70102876	70103177	+	0	NA	intron (N	SVA_A|Ret	102661	NM_173630	25914	Hs.654809	NM_173630	ENSG00000	RTTN	MSSP	rotatin	protein-coding
chr1-4628	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr1	46284904	46286234	+	0	NA	exon (NM_	exon (NM_	17797	NM_006369	10489	Hs.144941	NM_006369	ENSG00000	LRRC41	MUF1|PP77	leucine r	protein-coding
chr1-1103	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr1	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	-5470	NR_102697	1.01E+08	Hs.559121	NR_102697		LAMTOR5-A	-	LAMTOR5 a	ncRNA
chr1-1471	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr1	1.47E+08	1.47E+08	+	0	NA	intron (N	intron (N	12213	NR_103870	5565	Hs.50732	NM_005399	ENSG00000	PRKAB2	-	protein k	protein-coding
chr1-1698	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr1	1.7E+08	1.7E+08	+	0	NA	TTS (NM_0	TTS (NM_0	40470	NM_020423	57147	Hs.435560	NM_020423	ENSG00000	SCYL3	PACE-1|PA	SCY1 like	protein-coding
chr10-100	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr10	1E+08	1E+08	+	0	NA	intron (N	intron (N	-5605	NM_001347	10613	Hs.150087	NM_006459	ENSG00000	ERLIN1	C10orf69|	ER lipid	protein-coding
chr11-477	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr11	47716586	47733995	+	0	NA	intron (N	intron (N	-9921	NM_024783	79841	Hs.147377	NM_024783	ENSG00000	AGBL2	CCP2	ATP/GTP b	protein-coding
chr12-534	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr12	53479220	53480817	+	0	NA	3’ UTR (N	3’ UTR (N	15550	NR_109828	1.02E+08		NR_109828	ENSG00000	PCBP2-OT1	TUC.338|T	PCBP2 ove	ncRNA
chr12-100	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr12	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	7178	NR_048569	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr12-110	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	45435	NM_170665	488	Hs.506759	NM_001681	ENSG00000	ATP2A2	ATP2B|DAR	ATPase sa	protein-coding
chr14-689	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr14	68915112	68922055	+	0	NA	intron (N	AluY|SINE	60719	NM_001102	87	Hs.235750	NM_001102	ENSG00000	ACTN1	BDPLT15	actinin a	protein-coding
chr15-484	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr15	48462027	48466318	+	0	NA	intron (N	intron (N	131975	NM_001948	1854	Hs.527980	NM_001948	ENSG00000	DUT	dUTPase	deoxyuric	protein-coding
chr15-641	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr15	64112108	64133792	+	0	NA	intron (N	intron (N	26968	NM_003099	6642	Hs.188634	NM_003099	ENSG00000	SNX1	HsT17379|	sorting r	protein-coding
chr16-281	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr16	28146463	28153746	+	0	NA	intron (N	intron (N	61861	NM_001270	23214	Hs.460468	NM_015171	ENSG00000	XPO6	EXP6|RANE	exportin	protein-coding
chr16-717	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr16	71753270	71759751	+	0	NA	intron (N	intron (N	1977	NR_003059	692111		NR_003059	ENSG00000	SNORD71	HBII-239|	small nuc	snoRNA
chr17-365	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr17	36579181	36590279	+	0	NA	intron (N	AluJr|SIN	-7149	NM_024308	79154	Hs.462859	NM_024308	ENSG00000	DHRS11	ARPG836|S	dehydroge	protein-coding
chr17-428	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr17	42816303	42822117	+	0	NA	intron (N	intron (N	4669	NM_001313	8678	Hs.716464	NM_003766	ENSG00000	BECN1	ATG6|VPS3	beclin 1	protein-coding
chr17-760	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr17	76037657	76069986	+	0	NA	promoter-	promoter-	-165	NM_001260	6730	Hs.514495	NM_014230	ENSG00000	SRP68	-	signal re	protein-coding
chr19-439	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr19	43988275	43997795	+	0	NA	intron (N	intron (N	8847	NM_198089	7711	Hs.279567	NM_003445	ENSG00000	ZNF155	pHZ-96	zinc fing	protein-coding
chr2-2733	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr2	27339065	27343231	+	0	NA	intron (N	AluSx|SIN	5606	NR_038427	1.01E+08	Hs.666503	NR_038427	ENSG00000	GTF3C2-AS	-	GTF3C2 ar	ncRNA
chr2-1053	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr2	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	26921	NM_024093	79074	Hs.549577	NM_024093	ENSG00000	C2orf49	asw	chromosom	protein-coding
chr20-459	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr20	45963443	45965910	+	0	NA	intron (N	L1ME3A|LI	7527	NM_022095	63925	Hs.174193	NM_022095	ENSG00000	ZNF335	MCPH10|NI	zinc fing	protein-coding
chr22-299	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr22	29978947	29980862	+	0	NA	intron (N	intron (N	-27145	NR_106876	1.02E+08		NR_106876	ENSG00000	MIR6818	hsa-mir-6	microRNA	ncRNA
chr3-1081	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr3	1.08E+08	1.08E+08	+	0	NA	intron (N	intron (N	31677	NM_018010	55081	Hs.412196	NM_018010	ENSG00000	IFT57	ESRRBL1|H	intraflag	protein-coding
chr6-5646	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr6	56467110	56474641	+	0	NA	intron (N	intron (N	-76747	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FP	collagen	protein-coding
chr7-7588	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chr7	75880505	75886362	+	0	NA	intron (N	AluSx4|SI	4399	NM_001040	57414	Hs.488827	NM_020684	ENSG00000	RHBDD2	NPD007|RH	rhomboid	protein-coding
chrX-1560	8.313866	-0.58026	0.739423	-0.78475	0.432602	0.619909	chrX	1.56E+08	1.56E+08	+	0	NA	Intergeni	Intergeni	-5665	NR_138048	1E+08		NR_138048	ENSG00000	WASIR1	NCRNA0028	WASH and	ncRNA
chr1-1839	8.340839	-0.57984	0.741388	-0.7821	0.434157	0.621623	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	L1MEd|LIN	106506	NM_001297	23179	Hs.497148	NM_015149	ENSG00000	RGL1	RGL	ral guani	protein-coding
chr14-583	8.824497	-0.56038	0.716809	-0.78178	0.434347	0.621623	chr14	58301546	58304576	+	0	NA	intron (N	intron (N	4506	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr9-1105	8.824497	-0.56038	0.716809	-0.78178	0.434347	0.621623	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	MamSINE1|	30054	NM_153366	79987	Hs.522334	NM_153366	ENSG00000	SVEP1	C9orf13|(	sushi, vo	protein-coding
chr16-218	11.04216	-0.45375	0.580759	-0.7813	0.434624	0.621623	chr16	21879153	21881015	+	0	NA	Intergeni	Intergeni	-13349	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr5-2149	11.04216	-0.45375	0.580759	-0.7813	0.434624	0.621623	chr5	21491318	21493290	+	0	NA	intron (N	intron (N	32824	NR_027026	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr3-1224	8.286892	-0.58063	0.743499	-0.78094	0.434837	0.621691	chr3	1.22E+08	1.22E+08	+	0	NA	non-codin	non-codin	10223	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr17-480	8.326248	-0.57745	0.742783	-0.77742	0.436913	0.623504	chr17	48074800	48076761	+	0	NA	intron (N	intron (N	25406	NM_006807	10951	Hs.77254	NM_006807	ENSG00000	CBX1	CBX|HP1-B	chromobox	protein-coding
chr2-1123	8.326248	-0.57745	0.742783	-0.77742	0.436913	0.623504	chr2	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	53323	NM_005054	84220	Hs.469630	NM_005054	ENSG00000	RGPD5	BS-63|BS6	RANBP2 li	protein-coding
chr9-1228	8.326248	-0.57745	0.742783	-0.77742	0.436913	0.623504	chr9	1.23E+08	1.23E+08	+	0	NA	TTS (NM_0	TTS (NM_0	10513	NM_005388	5082	Hs.271749	NM_005388	ENSG00000	PDCL	PhLP	phosducin	protein-coding
chr16-701	13.25319	-0.37493	0.482376	-0.77726	0.437008	0.623504	chr16	70119414	70158934	+	0	NA	intron (N	intron (N	25548	NM_001322	55066	Hs.744043	NM_017990	ENSG00000	PDPR	PDP3	pyruvate	protein-coding
chr3-1224	8.299275	-0.57785	0.743544	-0.77715	0.437068	0.623504	chr3	1.22E+08	1.22E+08	+	0	NA	intron (N	intron (N	46669	NR_125405	1.03E+08	Hs.675056	NR_125405	ENSG00000	LOC102723	-	uncharact	ncRNA
chr5-3242	8.758168	-0.5636	0.725254	-0.7771	0.437099	0.623504	chr5	32422399	32422633	+	0	NA	intron (N	AluJr|SIN	22224	NR_144318	51663	Hs.435231	NM_016107	ENSG00000	ZFR	SPG71|ZFR	zinc fing	protein-coding
chr19-368	11.03995	-0.45063	0.580841	-0.77582	0.437855	0.624345	chr19	36812066	36836901	+	0	NA	intron (N	AluSz6|SI	13544	NM_001242	388536	Hs.282067	NM_206894	ENSG00000	ZNF790	-	zinc fing	protein-coding
chr11-122	8.83688	-0.55759	0.724476	-0.76964	0.441511	0.62932	chr11	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJr|SIN	40719	NR_029671	406911		NR_029671	ENSG00000	MIR125B1	MIRN125B1	microRNA	ncRNA
chr10-381	10.5417	-0.45845	0.606839	-0.75547	0.449969	0.640316	chr10	38111415	38119870	+	0	NA	TTS (NM_0	TTS (NM_0	21305	NM_001324	7587	Hs.292575	NM_003421	ENSG00000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr17-767	10.5417	-0.45845	0.606839	-0.75547	0.449969	0.640316	chr17	76716748	76725345	+	0	NA	intron (N	intron (N	5560	NM_001081	23210	Hs.514505	NM_015167	ENSG00000	JMJD6	PSR|PTDSR	jumonji c	protein-coding
chr19-565	10.5417	-0.45845	0.606839	-0.75547	0.449969	0.640316	chr19	56539905	56556237	+	0	NA	intron (N	intron (N	9123	NM_020828	140612	Hs.14794	NM_020828	ENSG00000	ZFP28	mkr5	ZFP28 zin	protein-coding
chr5-7051	10.5417	-0.45845	0.606839	-0.75547	0.449969	0.640316	chr5	70516763	70518364	+	0	NA	intron (N	AluJo|SIN	-16660	NR_033968	1E+08	Hs.665231	NR_033968		GUSBP9	-	GUSB pseu	pseudo
chr14-504	10.55408	-0.45663	0.607572	-0.75157	0.452309	0.640316	chr14	50458361	50490524	+	0	NA	intron (N	intron (N	58127	NM_006575	11183	Hs.130491	NM_006575	ENSG00000	MAP4K5	GCKR|KHS|	mitogen-a	protein-coding
chr19-500	10.55408	-0.45663	0.607572	-0.75157	0.452309	0.640316	chr19	50039074	50049541	+	0	NA	intron (N	intron (N	-6282	NR_027257	400710	Hs.628968	NR_027257	ENSG00000	LOC400710	-	uncharact	ncRNA
chr17-117	28.90579	-0.22138	0.298767	-0.74098	0.458705	0.640316	chr17	117194	117974	+	0	NA	Intergeni	Intergeni	-19987	NM_001097	653486	Hs.127059	NM_001097	ENSG00000	SCGB1C2	SCGB1C1	secretogl	protein-coding
chr17-645	8.321833	-0.56605	0.772461	-0.73279	0.463686	0.640316	chr17	64519727	64520057	+	0	NA	intron (N	intron (N	12915	NR_133644	90799	Hs.569713	NM_138363	ENSG00000	CEP95	CCDC45	centrosom	protein-coding
chr19-400	10.05583	-0.46523	0.634998	-0.73265	0.463773	0.640316	chr19	40040278	40050916	+	0	NA	intron (N	L1MA4A|LI	10634	NM_001005	163131	Hs.101139	NM_001005	ENSG00000	ZNF780B	ZNF779	zinc fing	protein-coding
chr16-159	10.02886	-0.46543	0.635293	-0.73263	0.463786	0.640316	chr16	15980963	15982696	+	0	NA	intron (N	THE1C-int	32213	NM_004996	4363	Hs.391464	NM_004996	ENSG00000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr13-449	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr13	44961260	44966744	+	0	NA	intron (N	L1M5|LINE	25469	NM_012345	26747	Hs.525006	NM_012345	ENSG00000	NUFIP1	NUFIP|bA5	nuclear F	protein-coding
chr16-337	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr16	3378737	3399464	+	0	NA	intron (N	intron (N	11904	NM_001324	54925	Hs.592078	NM_017810	ENSG00000	ZSCAN32	HCCS-5|ZN	zinc fing	protein-coding
chr17-395	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr17	39530180	39531352	+	0	NA	exon (NM_	exon (NM_	69280	NM_015083	51755	Hs.345028	NM_015083	ENSG00000	CDK12	CRK7|CRKR	cyclin de	protein-coding
chr19-233	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr19	23359370	23394121	+	0	NA	intron (N	intron (N	18726	NM_001300	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr19-518	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr19	51889148	51903119	+	0	NA	intron (N	MER21B|LT	8108	NR_110733	1.02E+08	Hs.553920	NR_110733	ENSG00000	ZNF649-AS	-	ZNF649 ar	ncRNA
chr6-3126	10.04124	-0.46344	0.635193	-0.7296	0.465633	0.640316	chr6	31268234	31271267	+	0	NA	intron (N	intron (N	2342	NM_002117	3107	Hs.656020	NM_002117	ENSG00000	HLA-C	D6S204|HI	major his	protein-coding
chr8-7184	10.01427	-0.46363	0.637289	-0.7275	0.466917	0.640316	chr8	71841420	71842550	+	0	NA	3’ UTR (N	3’ UTR (N	-1138	NR_033652	1E+08	Hs.137674	NR_033651	ENSG00000	MSC-AS1	-	MSC antis	ncRNA
chr1-1494	8.175345	0.546905	0.760184	0.719438	0.471871	0.640316	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	-38047	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr7-7476	10.03904	-0.45958	0.639102	-0.7191	0.472081	0.640316	chr7	74760222	74760862	+	0	NA	3’ UTR (N	3’ UTR (N	-13420	NM_000265	653361	Hs.647047	NM_000265	ENSG00000	NCF1	NCF1A|NOX	neutrophi	protein-coding
chr7-1049	9.559794	-0.47913	0.668773	-0.71643	0.473727	0.640316	chr7	1.05E+08	1.05E+08	+	0	NA	promoter-	promoter-	-206	NR_039981	1E+08	Hs.369356	NR_039981		LINC01004	-	long inte	ncRNA
chr12-561	9.557586	-0.4749	0.664596	-0.71457	0.474872	0.640316	chr12	56117342	56117984	+	0	NA	promoter-	promoter-	-603	NM_032786	84872	Hs.632706	NM_032786	ENSG00000	ZC3H10	ZC3HDC10	zinc fing	protein-coding
chr15-650	9.557586	-0.4749	0.664596	-0.71457	0.474872	0.640316	chr15	65011557	65017623	+	0	NA	intron (N	AluSp|SIN	15049	NM_139242	123263	Hs.531615	NM_139242	ENSG00000	MTFMT	COXPD15|F	mitochond	protein-coding
chr1-1798	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	4236	NM_015602	26092	Hs.496459	NM_015602	ENSG00000	TOR1AIP1	LAP1|LAP1	torsin 1A	protein-coding
chr10-380	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr10	38055176	38056516	+	0	NA	exon (NM_	exon (NM_	-38490	NM_001324	7587	Hs.292575	NM_003421	ENSG00000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr16-214	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr16	21474155	21474936	+	0	NA	intron (N	L1MC4|LIN	-26981	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-554	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr16	55481694	55486491	+	0	NA	exon (NM_	exon (NM_	2535	NM_001127	4313	Hs.513617	NM_004530	ENSG00000	MMP2	CLG4|CLG4	matrix me	protein-coding
chr19-527	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr19	52703695	52715597	+	0	NA	intron (N	AluSp|SIN	-19065	NM_001277	55769	Hs.467210	NM_018300	ENSG00000	ZNF83	HPF1|ZNF8	zinc fing	protein-coding
chr19-534	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr19	53433570	53459053	+	0	NA	promoter-	promoter-	84	NM_001289	388561	Hs.433293	NM_001008	ENSG00000	ZNF761	ZNF468	zinc fing	protein-coding
chr19-574	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr19	57489463	57495548	+	0	NA	intron (N	intron (N	4755	NM_001098	79744	Hs.744339	NM_024691	ENSG00000	ZNF419	ZAPHIR|ZN	zinc fing	protein-coding
chr2-6989	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr2	69895571	69897771	+	0	NA	intron (N	AluSq2|SI	2715	NR_037862	11017	Hs.54649	NM_006857	ENSG00000	SNRNP27	27K|RY1	small nuc	protein-coding
chr4-1511	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr4	1.51E+08	1.51E+08	+	0	NA	promoter-	promoter-	-778	NR_000007	8944		NR_000007	ENSG00000	SNORD73A	RNU73|RNU	small nuc	snoRNA
chr5-1808	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr5	1.81E+08	1.81E+08	+	0	NA	5’ UTR (N	5’ UTR (N	9281	NM_152283	643836	Hs.509227	NM_152283	ENSG00000	ZFP62	ZET|ZNF75	ZFP62 zin	protein-coding
chr8-1729	9.542996	-0.47294	0.66375	-0.71253	0.476135	0.640316	chr8	17295891	17296608	+	0	NA	TTS (NM_0	TTS (NM_0	49291	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQB	VPS37A su	protein-coding
chr17-372	9.516023	-0.47318	0.666177	-0.71028	0.477528	0.640316	chr17	37263665	37266798	+	0	NA	intron (N	MLT1H|LTR	20430	NR_132772	1.07E+08		NR_132772		SNORA90	-	small nuc	snoRNA
chr4-6409	9.569969	-0.47271	0.665662	-0.71014	0.477619	0.640316	chr4	64094	65930	+	0	NA	intron (N	L1M3a|LIN	11691	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr6-8908	9.569969	-0.47271	0.665662	-0.71014	0.477619	0.640316	chr6	89082026	89085978	+	0	NA	exon (NM_	exon (NM_	3251	NM_006813	10957	Hs.75969	NM_006813	ENSG00000	PNRC1	B4-2|PNAS	proline r	protein-coding
chr7-1165	9.569969	-0.47271	0.665662	-0.71014	0.477619	0.640316	chr7	1.17E+08	1.17E+08	+	0	NA	3’ UTR (N	3’ UTR (N	6411	NM_001206	858	Hs.212332	NM_001233	ENSG00000	CAV2	CAV	caveolin	protein-coding
chr16-224	9.528405	-0.47098	0.664951	-0.7083	0.478761	0.640316	chr16	22488140	22492371	+	0	NA	intron (N	intron (N	-14194	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-596	9.528405	-0.47098	0.664951	-0.7083	0.478761	0.640316	chr17	59650009	59664065	+	0	NA	intron (N	intron (N	37142	NM_004859	1213	Hs.491351	NM_004859	ENSG00000	CLTC	CHC|CHC17	clathrin	protein-coding
chr19-441	9.528405	-0.47098	0.664951	-0.7083	0.478761	0.640316	chr19	44117245	44133567	+	0	NA	intron (N	L1PB1|LIN	12007	NM_013362	7768	Hs.279567	NM_013362	ENSG00000	ZNF225	-	zinc fing	protein-coding
chr9-1911	9.528405	-0.47098	0.664951	-0.7083	0.478761	0.640316	chr9	19115943	19126671	+	0	NA	intron (N	MIRc|SINE	6185	NM_001122	123	Hs.3416	NM_001122	ENSG00000	PLIN2	ADFP|ADRP	perilipin	protein-coding
chr1-1208	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr1	1.21E+08	1.21E+08	+	0	NA	intron (N	intron (N	8814	NM_001351	1.01E+08	Hs.534675	NM_001351	ENSG00000	NBPF26	-	NBPF memb	protein-coding
chr1-1494	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	THE1A|LTR	-16049	NM_001351	1.01E+08	Hs.445080	NM_001351	ENSG00000	NBPF19	-	NBPF memb	protein-coding
chr1-1798	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJr|SIN	3412	NM_145034	163590	Hs.571797	NM_022347	ENSG00000	TOR1AIP2	IFRG15|LU	torsin 1A	protein-coding
chr15-514	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr15	51484595	51489483	+	0	NA	intron (N	intron (N	109793	NM_001330	342035	Hs.526441	NM_181789	ENSG00000	GLDN	CLOM|COLM	gliomedin	protein-coding
chr19-127	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr19	1271023	1275233	+	0	NA	TTS (NM_0	TTS (NM_0	-2402	NM_017914	55009	Hs.591383	NM_017914	ENSG00000	C19orf24	-	chromosom	protein-coding
chr3-1134	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr3	11347917	11349040	+	0	NA	intron (N	LTR12|LTR	76081	NM_001349	10533	Hs.38032	NM_006395	ENSG00000	ATG7	APG7-LIKE	autophagy	protein-coding
chr3-1859	9.555379	-0.47075	0.664812	-0.7081	0.478885	0.640316	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	intron (N	15135	NM_001243	6434	Hs.533122	NM_004593	ENSG00000	TRA2B	Htra2-bet	transform	protein-coding
chr1-2536	9.540788	-0.46878	0.66602	-0.70385	0.481528	0.640316	chr1	25361331	25362290	+	0	NA	TTS (NM_0	TTS (NM_0	23476	NM_014313	23585	Hs.705699	NM_014313	ENSG00000	TMEM50A	IFNRC|SMF	transmemb	protein-coding
chr21-462	9.526198	-0.46675	0.669335	-0.69734	0.485593	0.640316	chr21	46200880	46201497	+	0	NA	intron (N	intron (N	-7029	NR_145780	1.1E+08		NR_145780		SNORD159	-	small nuc	snoRNA
chr5-1135	9.044747	-0.48366	0.694123	-0.6968	0.485928	0.640316	chr5	1.14E+08	1.14E+08	+	0	NA	intron (N	L2a|LINE|	29875	NM_001345	64848	Hs.231942	NM_022828	ENSG00000	YTHDC2	CAHL|hYTH	YTH domai	protein-coding
chr7-9261	9.017774	-0.48394	0.696937	-0.69439	0.487439	0.640316	chr7	92614853	92615289	+	0	NA	3’ UTR (N	3’ UTR (N	-24681	NM_001040	257415	Hs.18564	NM_152789	ENSG00000	FAM133B	-	family wi	protein-coding

chr6-1316	9.07172	-0.48341	0.696287	-0.69427	0.487511	0.640316	chr6	1.32E+08	1.32E+08	+		0	NA	exon (NM_	exon (NM_	25908	NM_001270	9439	Hs.29679	NM_004830	ENSG00000	MED23	ARC130|CF	mediator	protein-coding
chr1-1715	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr1	1.72E+08	1.72E+08	+		0	NA	intron (N	Tigger3b|	-36054	NM_001368	1.11E+08		NM_001368164		MYOCOS	-	myocilin	protein-coding
chr1-2237	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr1	2.24E+08	2.24E+08	+		0	NA	intron (N	intron (N	61574	NM_001748	824	Hs.350899	NM_001748	ENSG00000	CAPN2	CANP2|CAN	calpain 2	protein-coding
chr13-453	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr13	45335224	45340489	+		0	NA	promoter-	promoter-	-247	NR_002967	677814	Hs.374596	NR_002967	ENSG00000	SNORA31	ACA31|SNO	small nuc	snoRNA
chr19-197	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr19	19709563	19723480	+		0	NA	intron (N	AluSz6|SI	16591	NM_021030	7561	Hs.659932	NM_021030	ENSG00000	ZNF14	GIOT-4|KO	zinc fing	protein-coding
chr3-8696	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr3	86967274	86969443	+		0	NA	intron (N	intron (N	22791	NM_001320	389136	Hs.606507	NM_016206	ENSG00000	VGLL3	VGL-3|VGL	vestigial	protein-coding
chr4-1026	9.030157	-0.48154	0.694257	-0.6936	0.487934	0.640316	chr4	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	126316	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr1-1680	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr1	1.68E+08	1.68E+08	+		0	NA	intron (N	intron (N	21128	NR_031702	1E+08		NR_031702	ENSG00000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr15-328	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr15	32846805	32848439	+		0	NA	intron (N	AluY|SINE	-128757	NR_109767	1E+08	Hs.610545	NR_109767	ENSG00000	LOC100131	-	uncharact	ncRNA
chr15-929	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr15	92923528	92929872	+		0	NA	intron (N	intron (N	22301	NR_036136	1E+08		NR_036136	ENSG00000	MIR3175	mir-3175	microRNA	ncRNA
chr16-554	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr16	55487716	55494764	+		0	NA	intron (N	MLT1C|LTR	9683	NM_001127	4313	Hs.513617	NM_004530	ENSG00000	MMP2	CLG4|CLG4	matrix me	protein-coding
chr5-1328	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr5	1.33E+08	1.33E+08	+		0	NA	exon (NM_	exon (NM_	22723	NM_052971	116842	Hs.337588	NM_052971	ENSG00000	LEAP2	LEAP-2	liver enr	protein-coding
chr8-3905	9.05713	-0.48127	0.694083	-0.69339	0.488062	0.640316	chr8	39053619	39057051	+		0	NA	intron (N	L1ME4a|LI	-36650	NR_145988	1.1E+08		NR_145736	ENSG00000	SNORD38D	-	small nuc	snoRNA
chr2-2317	9.076136	-0.49292	0.71107	-0.69321	0.488178	0.640316	chr2	2.32E+08	2.32E+08	+		0	NA	promoter-	promoter-	-366	NR_128710	1.04E+08		NR_128710	ENSG00000	MIR1244-4	hsa-mir-1	microRNA	ncRNA
chr1-2466	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr1	24660520	24679183	+		0	NA	intron (N	intron (N	26272	NM_001366	10250	Hs.18192	NM_005839	ENSG00000	SRRM1	160-KD|PO	serine ar	protein-coding
chr1-1147	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr1	1.15E+08	1.15E+08	+		0	NA	intron (N	AluJb|SIN	-4848	NM_002524	4893	Hs.486502	NM_002524	ENSG00000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr10-460	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr10	46006776	46018171	+		0	NA	intron (N	intron (N	7064	NM_001145	8031	Hs.643658	NM_005437	ENSG00000	NCOA4	ARA70|ELE	nuclear r	protein-coding
chr10-976	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr10	97650665	97659200	+		0	NA	intron (N	HAL1ME|LI	14246	NM_018425	55361	Hs.25300	NM_018425	ENSG00000	PI4K2A	PI4KII|PI	phosphati	protein-coding
chr14-102	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr14	1.02E+08	1.02E+08	+		0	NA	3’ UTR (N	3’ UTR (N	5926	NM_005348	3320	Hs.525600	NM_005348	ENSG00000	HSP90AA1	EL52|HEL-	heat shoc	protein-coding
chr15-788	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr15	78878188	78904897	+		0	NA	exon (NM_	exon (NM_	18553	NM_001265	10933	Hs.374503	NM_006791	ENSG00000	MORF4L1	Eaf3|FWP0	mortality	protein-coding
chr16-214	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr16	21465146	21473280	+		0	NA	intron (N	intron (N	-32313	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-754	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr16	75410330	75412592	+		0	NA	intron (N	intron (N	22042	NM_006324	10428	Hs.461361	NM_006324	ENSG00000	CFDP1	BCNT|BUCE	craniofac	protein-coding
chr17-424	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr17	42474006	42482958	+		0	NA	exon (NM_	exon (NM_	-16291	NR_049845	1.01E+08		NR_049845	ENSG00000	MIR548AT	-	microRNA	ncRNA
chr17-580	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr17	58002913	58006431	+		0	NA	3’ UTR (N	3’ UTR (N	2574	NM_006924	6426	Hs.68714	NM_006924	ENSG00000	SRSF1	ASF|SF2|S	serine ar	protein-coding
chr18-345	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr18	3456201	3461055	+		0	NA	TTS (NM_0	TTS (NM_0	4854	NM_173211	7050	Hs.373550	NM_003244	ENSG00000	TGIF1	HPE4|TGIF	TGFB indu	protein-coding
chr19-473	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr19	47352500	47364698	+		0	NA	intron (N	AluJo|SIN	9284	NM_014681	9704	Hs.151706	NM_014681	ENSG00000	DHX34	DDX34|HRH	DExH-box	protein-coding
chr2-2275	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr2	2.28E+08	2.28E+08	+		0	NA	intron (N	intron (N	66981	NM_004504	3267	Hs.352962	NM_004504	ENSG00000	AGFG1	HRB|RAB|R	ArfGAP wi	protein-coding
chr22-295	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr22	29547043	29549456	+		0	NA	intron (N	intron (N	5406	NM_001002	8563	Hs.75361	NM_003678	ENSG00000	THOC5	C22orf19|	THO compl	protein-coding
chr5-3887	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr5	38874010	38889503	+		0	NA	exon (NM_	exon (NM_	35744	NM_001323	9180	Hs.120658	NM_003999	ENSG00000	OSMR	IL-31R-be	oncostati	protein-coding
chr5-1495	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr5	1.5E+08	1.5E+08	+		0	NA	intron (N	intron (N	41619	NM_001271	1452	Hs.529862	NM_001892	ENSG00000	CSNK1A1	CK1|CK1a|	casein ki	protein-coding
chr7-7551	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr7	75510070	75526205	+		0	NA	intron (N	(AT)n|Sim	9986	NR_028059	5387	Hs.659871	NM_005395	ENSG00000	PMS2P3	PMS2L3|PM	PMS1 homo	pseudo
chr9-1244	9.04254	-0.47914	0.694219	-0.69019	0.490074	0.640316	chr9	1.24E+08	1.24E+08	+		0	NA	intron (N	intron (N	1771	NM_002799	5695	Hs.213470	NM_002799	ENSG00000	PSMB7	Z	proteasom	protein-coding
chr6-1510	9.015566	-0.47939	0.696734	-0.68806	0.491416	0.640316	chr6	1.51E+08	1.51E+08	+		0	NA	intron (N	AluSz|SIN	8824	NM_001350	25902	Hs.591343	NM_015440	ENSG00000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr10-296	9.069513	-0.47886	0.696686	-0.68734	0.491867	0.640316	chr10	29654479	29658065	+		0	NA	intron (N	intron (N	-21301	NM_021738	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr2-3902	9.069513	-0.47886	0.696686	-0.68734	0.491867	0.640316	chr2	39022335	39023249	+		0	NA	exon (NM_	exon (NM_	-62448	NR_028386	375196	Hs.659035	NR_028386	ENSG00000	LOC375196	-	uncharact	ncRNA
chr1-4005	9.027949	-0.47699	0.696698	-0.68464	0.493572	0.640316	chr1	40059313	40076435	+		0	NA	intron (N	intron (N	27023	NM_001350	10487	Hs.370581	NM_006367	ENSG00000	CAP1	CAP|CAP1-	cyclase a	protein-coding
chr13-331	9.027949	-0.47699	0.696698	-0.68464	0.493572	0.640316	chr13	33128915	33130233	+		0	NA	exon (NM_	exon (NM_	56517	NM_178007	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr6-4344	8.561089	-0.49818	0.729861	-0.68256	0.494884	0.640316	chr6	43440043	43440748	+		0	NA	intron (N	L2a|LINE|	5853	NR_106894	1.02E+08		NR_106894	ENSG00000	MIR6780B	hsa-mir-6	microRNA	ncRNA
chr2-1521	9.484634	-0.46474	0.681761	-0.68167	0.495448	0.640316	chr2	1.52E+08	1.52E+08	+		0	NA	intron (N	AluSc|SIN	31022	NM_005843	10254	Hs.17200	NM_005843	ENSG00000	STAM2	Hbp|STAM2	signal tr	protein-coding
chr1-2353	8.531908	-0.49347	0.724678	-0.68095	0.495903	0.640316	chr1	2.35E+08	2.35E+08	+		0	NA	intron (N	L1PA3|LIN	19665	NM_001287	6905	Hs.744998	NM_003193	ENSG00000	TBCE	HRD|KCS|K	tubulin f	protein-coding
chr19-384	8.988593	-0.47963	0.704415	-0.68089	0.495941	0.640316	chr19	38405334	38405535	+		0	NA	intron (N	intron (N	2299	NM_174905	147965	Hs.355162	NM_174905	ENSG00000	FAM98C	-	family wi	protein-coding
chr16-554	8.558881	-0.49317	0.72444	-0.68076	0.496021	0.640316	chr16	55495634	55499087	+		0	NA	intron (N	MER113|DN	-11712	NM_017839	54947	Hs.460857	NM_017839	ENSG00000	LPCAT2	AGPAT11|A	lysophosp	protein-coding
chr17-319	8.558881	-0.49317	0.72444	-0.68076	0.496021	0.640316	chr17	31973645	31974619	+		0	NA	intron (N	AluJb|SIN	-33251	NM_001321	114659	Hs.514071	NM_052888	ENSG00000	LRRC37B	LRRC37	leucine r	protein-coding
chr19-136	8.558881	-0.49317	0.72444	-0.68076	0.496021	0.640316	chr19	1362361	1363775	+		0	NA	intron (N	L1MD2|LIN	5649	NM_001369	84939	Hs.515016	NM_032220	ENSG00000	PWWP3A	EXPAND1|F	PWWP doma	protein-coding
chr3-5842	8.558881	-0.49317	0.72444	-0.68076	0.496021	0.640316	chr3	58424799	58431966	+		0	NA	intron (N	intron (N	5450	NM_000925	5162	Hs.161357	NM_000925	ENSG00000	PDHB	PDHBD|PDH	pyruvate	protein-coding
chr4-1076	8.558881	-0.49317	0.72444	-0.68076	0.496021	0.640316	chr4	1.08E+08	1.08E+08	+		0	NA	intron (N	MSTD|LTR|	19527	NM_005443	9061	Hs.368610	NM_005443	ENSG00000	PAPSS1	ATPSK1|PA	3’-phosph	protein-coding
chr1-1634	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1634422	1657869	+		0	NA	intron (N	L1M4a2|LI	12859	NM_033490	984	Hs.651228	NM_001787	ENSG00000	CDK11B	CDC2L1|CI	cyclin de	protein-coding
chr1-3203	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	32032702	32060922	+		0	NA	intron (N	intron (N	-25219	NM_001319	55116	Hs.25544	NM_018056	ENSG00000	TMEM39B	-	transmemb	protein-coding
chr1-6704	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	67046087	67051405	+		0	NA	intron (N	intron (N	5402	NM_015139	23169	Hs.213642	NM_015139	ENSG00000	SLC35D1	SHNKND|UG	solute ca	protein-coding
chr1-1469	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.47E+08	1.47E+08	+		0	NA	intron (N	LTR5_Hs|L	10579	NM_001278	149013	Hs.666981	NM_001278	ENSG00000	NBPF12	COAS1|KIA	NBPF memb	protein-coding
chr1-1499	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.5E+08	1.5E+08	+		0	NA	intron (N	AluSx|SIN	-33564	NM_001145	10903	Hs.425144	NM_006697	ENSG00000	MTMR11	CRA	myotubula	protein-coding
chr1-1513	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.51E+08	1.51E+08	+		0	NA	intron (N	intron (N	7837	NM_001198	5298	Hs.632465	NM_002651	ENSG00000	PI4KB	NPIK|PI4K	phosphati	protein-coding
chr1-1539	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.54E+08	1.54E+08	+		0	NA	intron (N	MIRb|SINE	-4299	NM_014856	9909	Hs.744878	NM_014856	ENSG00000	DENND4B	KIAA0476	DENN doma	protein-coding
chr1-1717	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.72E+08	1.72E+08	+		0	NA	exon (NM_	exon (NM_	2754	NM_014955	51603	Hs.494705	NM_014955	ENSG00000	EEF1AKNMT	5630401D2	eEF1A lys	protein-coding
chr1-1800	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.8E+08	1.8E+08	+		0	NA	exon (NM_	exon (NM_	65618	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr1-1836	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	1.84E+08	1.84E+08	+		0	NA	intron (N	intron (N	7913	NM_005717	10092	Hs.518609	NM_005717	ENSG00000	ARPC5	ARC16|dJ1	actin rel	protein-coding
chr1-2017	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	2.02E+08	2.02E+08	+		0	NA	intron (N	intron (N	-1721	NR_049823	1.01E+08		NR_049823	ENSG00000	MIR5191	-	microRNA	ncRNA
chr1-2045	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr1	2.05E+08	2.05E+08	+		0	NA	intron (N	intron (N	12633	NM_002393	4194	Hs.497492	NM_002393	ENSG00000	MDM4	HDMX|MDMX	MDM4 regu	protein-coding
chr10-933	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr10	93358082	93370154	+		0	NA	intron (N	intron (N	118216	NM_013451	26509	Hs.602086	NM_013451	ENSG00000	MYOF	FER1L3	myoferlin	protein-coding
chr12-504	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr12	50427430	50442517	+		0	NA	intron (N	AluY|SINE	-21598	NR_132753	1.07E+08		NR_132753		SNORD133	ZL142|ZL4	small nuc	snoRNA
chr12-133	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr12	1.33E+08	1.33E+08	+		0	NA	intron (N	(AAC)n|Si	6718	NM_001277	1.01E+08	Hs.614816	NM_001277	ENSG00000	ZNF891	-	zinc fing	protein-coding
chr13-272	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr13	27252806	27258924	+		0	NA	TTS (NR_0	TTS (NR_0	464	NR_002575	619499	Hs.689719	NR_002575	ENSG00000	SNORA27	ACA27	small nuc	snoRNA
chr14-583	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr14	58310553	58311263	+		0	NA	intron (N	L1MA8|LIN	12353	NM_002892	5926	Hs.161000	NM_002892	ENSG00000	ARID4A	RBBP-1|RE	AT-rich i	protein-coding
chr14-962	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr14	96262627	96266092	+		0	NA	exon (NM_	exon (NM_	8149	NM_000710	623	Hs.525572	NM_000710	ENSG00000	BDKRB1	B1BKR|B1R	bradykini	protein-coding
chr15-429	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr15	42948257	42954355	+		0	NA	intron (N	AluSg|SIN	-30528	NM_173500	146057	Hs.646511	NM_173500	ENSG00000	TTBK2	SCA11|TTB	tau tubul	protein-coding
chr16-150	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr16	15073991	15088305	+		0	NA	intron (N	L1MB7|LIN	13187	NM_001301	54700	Hs.460078	NM_018427	ENSG00000	RRN3	A-270G1.2	RRN3 homo	protein-coding
chr16-294	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr16	29482360	29495845	+		0	NA	intron (N	intron (N	16772	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr16-564	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr16	56464972	56477742	+		0	NA	intron (N	AluSx1|SI	19273	NM_001324	55239	Hs.231883	NM_018233	ENSG00000	OGFOD1	TPA1	2-oxoglut	protein-coding
chr16-749	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr16	74906686	74916055	+		0	NA	TTS (NM_0	TTS (NM_0	73753	NM_030581	79726	Hs.280951	NM_030581	ENSG00000	WDR59	CDW12|FP9	WD repeat	protein-coding
chr16-844	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr16	84483903	84502861	+		0	NA	intron (N	MER4-int|	11277	NM_020947	57707	Hs.288274	NM_020947	ENSG00000	MEAK7	KIAA1609|	MTOR asso	protein-coding
chr17-659	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr17	6592855	6596290	+		0	NA	intron (N	L1ME2z|LI	-38017	NM_031220	83394	Hs.183983	NM_031220	ENSG00000	PITPNM3	ACKR6|COF	PITPNM fa	protein-coding
chr17-837	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr17	8376882	8382446	+		0	NA	intron (N	intron (N	-2960	NM_001304	124751	Hs.304604	NM_213597	ENSG00000	KRBA2	-	KRAB-A do	protein-coding
chr17-401	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr17	40124707	40139002	+		0	NA	intron (N	intron (N	-8683	NM_007359	22794	Hs.743287	NM_007359	ENSG00000	CASC3	BTZ|MLN51	CASC3 exo	protein-coding
chr17-599	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr17	59931602	59937990	+		0	NA	intron (N	MIRc|SINE	29944	NM_016125	51136	Hs.531701	NM_016125	ENSG00000	RNFT1	PTD016	ring fing	protein-coding
chr2-3646	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr2	36461834	36478013	+		0	NA	intron (N	intron (N	114145	NM_016441	51232	Hs.699247	NM_016441	ENSG00000	CRIM1	CRIM-1|S5	cysteine	protein-coding
chr2-2022	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr2	2.02E+08	2.02E+08	+		0	NA	intron (N	intron (N	10071	NR_003031	692058		NR_003031	ENSG00000	SNORD11	HBII-95	small nuc	snoRNA
chr2-2304	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr2	2.3E+08	2.3E+08	+		0	NA	intron (N	L1PA8A|LI	72150	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr22-378	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr22	37850699	37861471	+		0	NA	intron (N	AluSx1|SI	6666	NM_016091	51386	Hs.446852	NM_016091	ENSG00000	EIF3L	EIF3EIP|E	eukaryoti	protein-coding
chr3-4708	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr3	47080204	47081969	+		0	NA	intron (N	intron (N	69544	NR_024046	1E+08	Hs.201522	NR_024046		NRADDP	-	neurotrop	pseudo
chr3-5272	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr3	52727498	52741051	+		0	NA	intron (N	AluSg7|SI	28168	NM_014041	28972	Hs.11125	NM_014041	ENSG00000	SPCS1	HSPC033|S	signal pe	protein-coding
chr4-3889	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr4	38890841	38896808	+		0	NA	intron (N	MamRTE1|L	25792	NR_030300	693159		NR_030300	ENSG00000	MIR574	MIR574-3p	microRNA	ncRNA
chr4-3950	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr4	39502944	39514711	+		0	NA	intron (N	intron (N	18612	NM_001184	7358	Hs.572518	NM_003359	ENSG00000	UGDH	GDH|UDP-G	UDP-gluco	protein-coding
chr5-7349	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr5	73499468	73506290	+		0	NA	intron (N	intron (N	4454	NM_001207	689	Hs.591768	NM_001207	ENSG00000	BTF3	BETA-NAC|	basic tra	protein-coding
chr5-7534	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr5	75343055	75358088	+		0	NA	intron (N	intron (N	13351	NM_000859	3156	Hs.628096	NM_000859	ENSG00000	HMGCR	LDLCQ3	3-hydroxy	protein-coding
chr6-1585	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr6	1.59E+08	1.59E+08	+		0	NA	intron (N	intron (N	-20951	NR_106981	1.02E+08		NR_106981	ENSG00000	MIR7161	hsa-mir-7	microRNA	ncRNA
chr6-1597	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr6	1.6E+08	1.6E+08	+		0	NA	intron (N	intron (N	15969	NM_001270	9589	Hs.446091	NM_004906	ENSG00000	WTAP	Mum2	WT1 assoc	protein-coding
chr7-7309	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr7	73097325	73099424	+		0	NA	Intergeni	Intergeni	-12340	NR_003664	728524	Hs.571275	NM_001023562		SPDYE8P	-	speedy/RI	pseudo
chr7-7348	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr7	73487639	73518721	+		0	NA	intron (N	L1ME3Cz|L	19113	NM_032408	9031	Hs.743372	NM_023005	ENSG00000	BAZ1B	WBSCR10|W	bromodoma	protein-coding
chr7-7357	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr7	73570238	73577399	+		0	NA	intron (N	intron (N	4569	NM_001362	26608	Hs.647044	NM_012453	ENSG00000	TBL2	WBSCR13|W	transduci	protein-coding
chr8-1023	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr8	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	54059	NM_001282	51366	Hs.492445	NM_015902	ENSG00000	UBR5	DD5|EDD|H	ubiquitin	protein-coding
chr8-1449	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr8	1.45E+08	1.45E+08	+		0	NA	non-codin	non-codin	-17443	NR_002807	286102	Hs.744580	NR_002807		TMED10P1	S31I125|S	transmemb	pseudo
chr9-1937	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr9	19373782	19379739	+		0	NA	intron (N	intron (N	3476	NM_001010	6194	Hs.408073	NM_001010	ENSG00000	RPS6	S6	ribosomal	protein-coding
chr9-1119	8.544291	-0.49087	0.723204	-0.67874	0.497304	0.640316	chr9	1.12E+08	1.12E+08	+		0	NA	intron (N	intron (N	-7150	NR_039814	1.01E+08		NR_039814	ENSG00000	MIR4668	mir-4668	microRNA	ncRNA
chr4-1276	8.588062	-0.49796	0.735152	-0.67735	0.498182	0.640316	chr4	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	11206	NM_015693	27152	Hs.391481	NM_015693	ENSG00000	INTU	CPLANE4|I	inturned	protein-coding
chr1-1554	8.571264	-0.49057	0.725955	-0.67575	0.499198	0.640316	chr1	1.55E+08	1.55E+08	+		0	NA	intron (N	AluJb|SIN	-63683	NR_147963	645676	Hs.568693	NR_027023	ENSG00000	ASH1L-AS1	-	ASH1L ant	ncRNA
chr1-1801	8.571264	-0.49057	0.725955	-0.67575	0.499198	0.640316	chr1	1.8E+08	1.8E+08	+		0	NA	intron (N	intron (N	4315	NM_002826	5768	Hs.719176	NM_002826	ENSG00000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-2241	8.571264	-0.49057	0.725955	-0.67575	0.499198	0.640316	chr1	2.24E+08	2.24E+08	+		0	NA	exon (NM_	exon (NM_	6230	NM_001321	8560	Hs.299878	NM_003676	ENSG00000	DEGS1	DEGS|DEGS	delta 4-d	protein-coding
chr4-2327	8.571264	-0.49057	0.725955	-0.67575	0.499198	0.640316	chr4	2327606	2329097	+		0	NA	TTS (NM_0	TTS (NM_0	36463	NM_001172	57732	Hs.292056	NM_020972	ENSG00000	ZFYVE28	LST2|LYST	zinc fing	protein-coding
chr7-9949	11.25578	-0.38435	0.568819	-0.6757	0.499234	0.640316	chr7	99490051	99499054	+		0	NA	exon (NM_	exon (NM_	5729	NM_001345	84124	Hs.386324	NM_032164	ENSG00000	ZNF394	ZKSCAN14|	zinc fing	protein-coding
chr1-2521	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr1	25219869	25232008	+		0	NA	intron (N	AluSx1|SI	6564	NM_207170	25949	Hs.20013	NM_015484	ENSG00000	SYF2	CBPIN|NTC	SYF2 pre-	protein-coding
chr1-2676	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr1	26760309	26768487	+		0	NA	intron (N	intron (N	-23565	NM_017837	55650	Hs.259605	NM_017837	ENSG00000	PIGV	GPI-MT-II	phosphati	protein-coding
chr1-2433	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr1	2.43E+08	2.43E+08	+		0	NA	intron (N	AluSc8|SI	11121	NR_039824	1.01E+08		NR_039824	ENSG00000	MIR4677	mir-4677	microRNA	ncRNA
chr10-320	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr10	32024737	32041255	+		0	NA	intron (N	intron (N	23429	NM_004521	3799	Hs.327736	NM_004521	ENSG00000	KIF5B	HEL-S-61|	kinesin f	protein-coding
chr12-120	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr12	1.21E+08	1.21E+08	+		0	NA	intron (N	AluSx1|SI	21372	NM_198202	51367	Hs.279913	NM_015918	ENSG00000	POP5	HSPC004|R	POP5 homo	protein-coding
chr12-132	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr12	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	24366	NM_183238	1E+08	Hs.29698	NM_183238	ENSG00000	ZNF605	-	zinc fing	protein-coding
chr15-383	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr15	38350127	38351921	+		0	NA	exon (NM_	exon (NM_	98188	NM_152594	161742	Hs.525781	NM_152594	ENSG00000	SPRED1	LGSS|NFLS	sprouty r	protein-coding
chr15-658	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr15	65884201	65891181	+		0	NA	intron (N	intron (N	18200	NM_004663	8766	Hs.321541	NM_004663	ENSG00000	RAB11A	YL8	RAB11A, m	protein-coding
chr15-841	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr15	84186595	84189676	+		0	NA	Intergeni	MamGypLTR	-3713	NR_033738	440300	Hs.546565	NR_033738		LOC440300	-	chondroit	pseudo
chr15-989	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr15	98955497	98964792	+		0	NA	3’ UTR (N	3’ UTR (N	45512	NM_001102	145814	Hs.592021	NM_001102	ENSG00000	PGPEP1L	-	pyrogluta	protein-coding
chr16-225	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr16	22522084	22531436	+		0	NA	intron (N	AluSc|SIN	13237	NM_001135	1E+08	Hs.611072	NM_001135	ENSG00000	NPIPB5	-	nuclear p	protein-coding
chr17-760	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr17	76095832	76102402	+		0	NA	intron (N	L1MB8|LIN	-1041	NR_106928	1.02E+08		NR_106928	ENSG00000	MIR6868	hsa-mir-6	microRNA	ncRNA
chr17-818	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr17	81886877	81890808	+		0	NA	intron (N	intron (N	-1948	NM_001289	51529	Hs.534456	NM_016476	ENSG00000	ANAPC11	APC11|Apc	anaphase	protein-coding
chr18-325	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr18	3252834	3257231	+		0	NA	TTS (NR_1	TTS (NR_1	2819	NM_001303	10627	Hs.190086	NM_006471	ENSG00000	MYL12A	HEL-S-24|	myosin li	protein-coding
chr18-327	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr18	3272487	3279792	+		0	NA	intron (N	intron (N	13420	NM_001144	103910	Hs.190086	NM_033546	ENSG00000	MYL12B	MLC-B|MRL	myosin li	protein-coding
chr19-368	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr19	36859873	36860583	+		0	NA	intron (N	AluY|SINE	8577	NM_001242	25850	Hs.362324	NM_003419	ENSG00000	ZNF345	HZF10	zinc fing	protein-coding
chr2-1512	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr2	1.51E+08	1.51E+08	+		0	NA	3’ UTR (N	3’ UTR (N	12460	NM_198557	375287	Hs.302442	NM_198557	ENSG00000	RBM43	C2orf38	RNA bindi	protein-coding
chr21-175	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr21	17593518	17594735	+		0	NA	TTS (NM_0	TTS (NM_0	-17560	NR_149073	1.11E+08	Hs.607138	NR_149073	ENSG00000	BTG3-AS1	ASBEL	BTG3 anti	ncRNA
chr3-4904	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr3	49041036	49047912	+		0	NA	exon (NM_	exon (NM_	-15076	NM_000884	3615	Hs.654400	NM_000884	ENSG00000	IMPDH2	IMPD2|IMP	inosine m	protein-coding
chr5-1405	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr5	1.41E+08	1.41E+08	+		0	NA	intron (N	intron (N	-41081	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr7-6459	8.529701	-0.48856	0.724587	-0.67426	0.500148	0.640316	chr7	6459282	6476015	+		0	NA	intron (N	AluSx1|SI	16504	NM_001100	11014	Hs.654552	NM_006854	ENSG00000	KDELR2	ELP-1|ERD	KDEL endo	protein-coding
chr1-2292	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr1	2.29E+08	2.29E+08	+		0	NA	intron (N	L2c|LINE|	-4605	NM_006542	10638	Hs.296169	NM_006542	ENSG00000	SPHAR	-	S-phase r	protein-coding
chr10-119	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr10	1.19E+08	1.19E+08	+		0	NA	intron (N	intron (N	29586	NM_001303	404636	Hs.434241	NM_207009	ENSG00000	DENND10	FAM45A	DENN doma	protein-coding
chr11-586	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr11	58610017	58614090	+		0	NA	intron (N	intron (N	-10612	NM_000614	1270	Hs.524920	NM_000614	ENSG00000	CNTF	HCNTF	ciliary n	protein-coding

chr12-577	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr12	57794894	57797248	+	0	NA	intron (N	intron (N	13284	NM_001172	10102	Hs.632704	NM_005726	ENSG0000	TSFM	EFTS|EFTS	Ts transl	protein-coding
chr14-504	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr14	50443148	50447021	+	0	NA	exon (NM_	exon (NM_	-47786	NM_001367	8814	Hs.280881	NM_004196	ENSG0000	CDKL1	KKIALRE|F	cyclin de	protein-coding
chr15-658	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr15	65876579	65883873	+	0	NA	intron (N	intron (N	10735	NM_004663	8766	Hs.321541	NM_004663	ENSG0000	RAB11A	YL8	RAB11A, m	protein-coding
chr2-652	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr2	65259132	65259344	+	0	NA	intron (N	AluJo|SIN	31543	NM_001005	10097	Hs.643727	NM_005722	ENSG0000	ACTR2	ARP2	actin rel	protein-coding
chr2-1751	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr2	1.75E+08	1.75E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3534	NM_001689	518	Hs.429	NM_001689	ENSG0000	ATP5MC3	ATP5G3|P3	ATP synth	protein-coding
chr4-5702	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr4	57021284	57023016	+	0	NA	intron (N	intron (N	43254	NM_000938	5431	Hs.602757	NM_000938	ENSG0000	POLR2B	POL2RB|RF	RNA polym	protein-coding
chr5-959	8.556674	-0.48826	0.724714	-0.67373	0.500485	0.640316	chr5	95902973	95916319	+	0	NA	intron (N	intron (N	52205	NM_012081	22936	Hs.192221	NM_012081	ENSG0000	ELL2	MRCCAT1	elongatic	protein-coding
chr7-1309	8.04825	-0.50956	0.759126	-0.67125	0.502064	0.640316	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	L2c|LINE|	10626	NR_110472	378805	Hs.150556	NM_001085	ENSG0000	LINC-PINT	LincRNA-F	long inte	ncRNA
chr4-999	8.060633	-0.50667	0.755779	-0.6704	0.502604	0.640316	chr4	99905941	99906682	+	0	NA	intron (N	L3|LINE|C	-11765	NM_001243	8649	Hs.433332	NM_021970	ENSG0000	LAMTOR3	MAP2K1IP1	late endo	protein-coding
chr12-327	8.046042	-0.50416	0.752819	-0.66969	0.503053	0.640316	chr12	32739908	32740259	+	0	NA	exon (NM_	exon (NM_	15814	NM_001040	51067	Hs.505231	NM_015936	ENSG0000	YARS2	CGI-04|MI	tyrosyl-t	protein-coding
chr12-102	8.046042	-0.50416	0.752819	-0.66969	0.503053	0.640316	chr12	1.02E+08	1.02E+08	+	0	NA	intron (N	SVA_A|Ret	-27384	NM_001301	51019	Hs.405692	NM_016053	ENSG0000	WASHC3	CCDC53|CC	WASH comp	protein-coding
chr17-638	8.046042	-0.50416	0.752819	-0.66969	0.503053	0.640316	chr17	63829392	63837943	+	0	NA	exon (NM_	exon (NM_	5061	NM_001330	6603	Hs.250581	NM_003077	ENSG0000	SMARCD2	BAF60B|CF	SWI/SNF r	protein-coding
chr20-199	8.046042	-0.50416	0.752819	-0.66969	0.503053	0.640316	chr20	19965514	19967700	+	0	NA	intron (N	AluSq2|SI	-50683	NM_181528	51126	Hs.368783	NM_016100	ENSG0000	NAA20	NAT3|NAT3	N(alpha)-	protein-coding
chr8-1407	8.046042	-0.50416	0.752819	-0.66969	0.503053	0.640316	chr8	1.41E+08	1.41E+08	+	0	NA	intron (N	AluSz6|SI	5271	NM_001352	5747	Hs.395482	NM_005607	ENSG0000	PTK2	FADK|FAK|	protein t	protein-coding
chr16-160	8.502727	-0.48883	0.730153	-0.66949	0.503182	0.640316	chr16	16030281	16030930	+	0	NA	intron (N	L1MC5|LIN	80989	NM_004996	4363	Hs.391464	NM_004996	ENSG0000	ABCC1	ABC29|ABC	ATP bindi	protein-coding
chr12-115	8.542083	-0.48593	0.726107	-0.66923	0.503348	0.640316	chr12	1.16E+08	1.16E+08	+	0	NA	3’ UTR (N	3’ UTR (N	187501	NR_030351	693205		NR_030351	ENSG0000	MIR620	MIRN620|F	microRNA	ncRNA
chr18-105	8.542083	-0.48593	0.726107	-0.66923	0.503348	0.640316	chr18	10538802	10542419	+	0	NA	intron (N	intron (N	14583	NM_003826	8774	Hs.464622	NM_003826	ENSG0000	NAPG	GAMMASNAP	NSF attac	protein-coding
chr2-7276	8.542083	-0.48593	0.726107	-0.66923	0.503348	0.640316	chr2	72763211	72764126	+	0	NA	intron (N	AluSz|SIN	62365	NM_001321	23233	Hs.303454	NM_015189	ENSG0000	EXOC6B	SEC15B|SE	exocyst c	protein-coding
chr6-5646	8.542083	-0.48593	0.726107	-0.66923	0.503348	0.640316	chr6	56461937	56466301	+	0	NA	intron (N	intron (N	-69991	NM_001318	81578	Hs.47629	NM_030820	ENSG0000	COL21A1	COLA1L|FF	collagen	protein-coding
chr5-7049	8.583647	-0.48791	0.73056	-0.66786	0.504221	0.640316	chr5	70496418	70496776	+	0	NA	intron (N	MIR3|SINE	4306	NR_033968	1E+08	Hs.665231	NR_033968		GUSBP9	-	GUSB pseu	pseudo
chr19-407	8.51511	-0.48621	0.728657	-0.66726	0.504603	0.640316	chr19	40708504	40710255	+	0	NA	intron (N	L1MC5a|LI	5740	NM_001142	79934	Hs.130712	NM_024876	ENSG0000	COQ8B	ADCK4|NPH	coenzyme	protein-coding
chr1-3284	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr1	32845726	32848174	+	0	NA	intron (N	AluSp|SIN	21637	NR_135106	64766	Hs.440880	NM_022753	ENSG0000	S100PBP	S100PBPR	S100P bir	protein-coding
chr1-1145	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr1	1.15E+08	1.15E+08	+	0	NA	3’ UTR (N	3’ UTR (N	13757	NM_005872	10286	Hs.22960	NM_005872	ENSG0000	BCAS2	DAM1|SPF2	BCAS2 pre	protein-coding
chr11-570	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr11	5706230	5709800	+	0	NA	intron (N	intron (N	18225	NM_006074	10346	Hs.501778	NM_006074	ENSG0000	TRIM22	GPSTAF50|	tripartit	protein-coding
chr12-193	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr12	19370570	19372284	+	0	NA	3’ UTR (N	3’ UTR (N	-68065	NM_001363	121536	Hs.126497	NM_153207	ENSG0000	AEBP2	-	AE bindir	protein-coding
chr12-297	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr12	29757469	29758742	+	0	NA	intron (N	intron (N	25837	NM_001193	83857	Hs.401954	NM_031920	ENSG0000	TMTC1	ARG99|OLF	transmemb	protein-coding
chr14-363	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr14	36309419	36311710	+	0	NA	intron (N	L2c|LINE|	10073	NM_016586	51562	Hs.368647	NM_016586	ENSG0000	MBIP	-	MAP3K12 b	protein-coding
chr17-207	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr17	2078907	2081373	+	0	NA	intron (N	intron (N	8621	NM_001282	23293	Hs.448342	NM_017575	ENSG0000	SMG6	C17orf31|	SMG6 nons	protein-coding
chr17-294	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr17	29495310	29506233	+	0	NA	intron (N	L1MB4|LIN	66266	NM_198147	116236	Hs.106510	NM_198147	ENSG0000	ABHD15	-	abhydrola	protein-coding
chr18-633	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr18	63388777	63404091	+	0	NA	intron (N	AluJb|SIN	26042	NM_004869	9525	Hs.126550	NM_004869	ENSG0000	VPS4B	MIG1|SKD1	vacuolar	protein-coding
chr19-395	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr19	3953190	3968397	+	0	NA	TTS (NR_C	TTS (NR_C	719	NR_030367	693222		NR_030367	ENSG0000	MIR637	MIRN637|F	microRNA	ncRNA
chr2-2307	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr2	2.31E+08	2.31E+08	+	0	NA	intron (N	AluSx1|SI	30578	NM_001130	51719	Hs.603930	NM_016289	ENSG0000	CAB39	CGI-66|MO	calcium b	protein-coding
chr2-2381	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	L1MC5a|LI	21443	NM_001291	151176	Hs.24951	NM_152521	ENSG0000	ERFE	C1QTNF15|	erythrofe	protein-coding
chr3-4597	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr3	45976256	45981262	+	0	NA	intron (N	intron (N	17065	NM_024513	79443	Hs.200227	NM_024513	ENSG0000	FYCO1	CATC2|CTF	FYVE and	protein-coding
chr5-4076	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr5	40760728	40765420	+	0	NA	intron (N	intron (N	-7113	NM_012382	23548	Hs.348915	NM_012382	ENSG0000	TTC33	OSRF	tetratric	protein-coding
chr6-4115	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr6	4115536	4125706	+	0	NA	intron (N	AluSx|SIN	14847	NM_001166	10455	Hs.15250	NM_006117	ENSG0000	ECI2	ACBD2|DRS	enoyl-CoA	protein-coding
chr6-5658	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr6	56588331	56594082	+	0	NA	intron (N	intron (N	51683	NM_001723	667	Hs.604915	NM_001723	ENSG0000	DST	BP240|BPA	dystonin	protein-coding
chr6-1508	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr6	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	20638	NM_001350	25902	Hs.591343	NM_015440	ENSG0000	MTHFD1L	FTHFSDC1|	methylene	protein-coding
chr7-2620	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr7	26204997	26212318	+	0	NA	intron (N	AluSq2|SI	6912	NM_016587	11335	Hs.381189	NM_007276	ENSG0000	CBX3	HECH|HP1-	chromobox	protein-coding
chr7-7762	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr7	77627018	77629458	+	0	NA	intron (N	intron (N	68027	NR_134253	1.01E+08	Hs.72451	NR_038361	ENSG0000	APTR	RSBN1L-AS	Alu-media	ncRNA
chr7-8716	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr7	87164553	87177330	+	0	NA	intron (N	intron (N	18387	NM_021145	9988	Hs.196129	NM_021145	ENSG0000	DMTF1	DMP1|DMTF	cyclin D	protein-coding
chr8-2537	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr8	25376795	25379498	+	0	NA	intron (N	MER21C|LT	-16634	NR_159962	1.05E+08		NR_159962		LOC105379	-	uncharact	ncRNA
chr8-6724	8.058425	-0.50135	0.752905	-0.66588	0.505486	0.640316	chr8	67247189	67253274	+	0	NA	intron (N	L2b|LINE|	93550	NM_006421	10565	Hs.656902	NM_006421	ENSG0000	ARFGEF1	ARFGEP1|E	ADP ribos	protein-coding
chr22-119	17.5761	0.247374	0.372541	0.664018	0.506679	0.640316	chr22	11905785	11906098	+	0	NA	intron (N	AluSx4|SI	8535	NR_110761	1.03E+08	Hs.652926	NR_110761		LOC102723	-	uncharact	ncRNA
chr1-1785	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1785022	1797824	+	0	NA	intron (N	AluSp|SIN	-11392	NM_001353	65220	Hs.654792	NM_023018	ENSG0000	NADK	dJ283E3.1	NAD kinas	protein-coding
chr1-1107	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	11072523	11097741	+	0	NA	intron (N	L1PA3|LIN	-14543	NR_135062	1.05E+08	Hs.634965	NR_135061	ENSG0000	EXOSC10-A	-	EXOSC10 a	ncRNA
chr1-1120	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	11203229	11204695	+	0	NA	intron (N	MLT1G1|LT	14607	NM_021146	10218	Hs.146559	NM_021146	ENSG0000	ANGPTL7	AngX|CDT6	angiopoie	protein-coding
chr1-3218	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	32180516	32198495	+	0	NA	intron (N	intron (N	9830	NM_175852	200081	Hs.17987	NM_175852	ENSG0000	TXLNA	IL14|TXLN	taxilin a	protein-coding
chr1-3347	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	33479369	33482474	+	0	NA	intron (N	Tigger12c	8276	NM_145238	7579	Hs.442705	NM_145238	ENSG0000	ZSCAN20	KOX29|ZFP	zinc fing	protein-coding
chr1-3628	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	36285737	36299737	+	0	NA	intron (N	intron (N	-13631	NM_001162	79729	Hs.524496	NM_024676	ENSG0000	SH3D21	C1orf113	SH3 domai	protein-coding
chr1-5395	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	53958346	53963567	+	0	NA	intron (N	intron (N	14606	NM_052940	115353	Hs.40094	NM_052940	ENSG0000	LRRC42	dJ167A19.	leucine r	protein-coding
chr1-6662	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	66624829	66629194	+	0	NA	intron (N	intron (N	-1429	NR_036060	1E+08		NR_036060	ENSG0000	MIR3117	mir-3117	microRNA	ncRNA
chr1-6741	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	67410065	67426842	+	0	NA	intron (N	intron (N	11949	NM_001018	26135	Hs.530412	NM_015640	ENSG0000	SERBP1	CGI-55|CH	SERPINE1	protein-coding
chr1-9230	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	92303908	92305973	+	0	NA	intron (N	AluSz6|SI	5881	NM_024813	79871	Hs.444421	NM_024813	ENSG0000	RPAP2	C1orf82|F	RNA polym	protein-coding
chr1-1126	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluY|SINE	-11628	NM_020963	4343	Hs.514941	NM_020963	ENSG0000	MOV10	fSAP113|g	Mov10 RIS	protein-coding
chr1-1147	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.15E+08	1.15E+08	+	0	NA	intron (N	GA-rich|L	6213	NM_002524	4893	Hs.486502	NM_002524	ENSG0000	NRAS	ALPS4|CMN	NRAS prot	protein-coding
chr1-1456	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSx3|SI	47972	NM_001201	5174	Hs.444751	NM_002614	ENSG0000	PDZK1	CAP70|CLA	PDZ domai	protein-coding
chr1-1590	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.59E+08	1.59E+08	+	0	NA	intron (N	intron (N	24438	NM_001206	3428	Hs.380250	NM_005531	ENSG0000	IFI16	IFNGIP1|F	interfero	protein-coding
chr1-1611	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	intron (N	2718	NM_003779	8703	Hs.321231	NM_003779	ENSG0000	B4GALT3	beta4Gal-	beta-1,4-	protein-coding
chr1-1679	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.68E+08	1.68E+08	+	0	NA	intron (N	AluSz6|SI	-26528	NR_031702	1E+08		NR_031702	ENSG0000	MIR1255B2	MIR1255B-	microRNA	ncRNA
chr1-1800	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	AluJb|SIN	-91064	NM_001004	5768	Hs.719176	NM_002826	ENSG0000	QSOX1	Q6|QSCN6	quiescin	protein-coding
chr1-1931	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	AluSq|SIN	2897	NR_031691	1E+08		NR_031691	ENSG0000	MIR1278	MIRN1278|	microRNA	ncRNA
chr1-2118	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	2.12E+08	2.12E+08	+	0	NA	intron (N	AluSz6|SI	-23525	NR_135818	1.03E+08	Hs.147656	NR_135818	ENSG0000	LPGAT1-AS	-	LPGAT1 ar	ncRNA
chr1-2351	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	Tigger4a|	-3757	NR_039908	1.01E+08		NR_039908	ENSG0000	MIR4753	mir-4753	microRNA	ncRNA
chr1-2468	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	Tigger1|D	62202	NM_015446	25909	Hs.300887	NM_015446	ENSG0000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr1-2468	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr1	2.47E+08	2.47E+08	+	0	NA	intron (N	intron (N	37804	NM_015446	25909	Hs.300887	NM_015446	ENSG0000	AHCTF1	ELYS|MST1	AT-hook c	protein-coding
chr10-501	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr10	50102964	50136514	+	0	NA	exon (NM_	exon (NM_	51785	NM_001005	387680	Hs.365286	NM_018232	ENSG0000	WASHC2A	FAM21A|FA	WASH comp	protein-coding
chr11-337	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr11	33707023	33722606	+	0	NA	intron (N	Tigger3b|	7913	NM_001127	966	Hs.278573	NM_000611	ENSG0000	CD59	16.3A5|1F	CD59 mole	protein-coding
chr11-659	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr11	65920347	65923575	+	0	NA	TTS (NM_C	TTS (NM_C	2535	NM_006442	10589	Hs.356742	NM_006442	ENSG0000	DRAP1	NC2-alpha	DR1 assoc	protein-coding
chr11-118	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSp|SIN	-16144	NM_015157	23187	Hs.504062	NM_015157	ENSG0000	PHLDB1	LL5A	pleckstri	protein-coding
chr12-290	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	290265	322644	+	0	NA	intron (N	intron (N	-43581	NM_001190	6540	Hs.504398	NM_016615	ENSG0000	SLC6A13	GAT-2|GAT	solute ca	protein-coding
chr12-866	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	866099	869064	+	0	NA	intron (N	intron (N	65495	NM_001297	5893	Hs.410355	NM_134422	ENSG0000	RAD52	-	RAD52 hom	protein-coding
chr12-199	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	1991693	1992988	+	0	NA	3’ UTR (N	3’ UTR (N	12117	NM_001319	196513	Hs.130934	NM_152640	ENSG0000	DCP1B	DCP1	decapping	protein-coding
chr12-486	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	48652701	48681574	+	0	NA	TTS (NR_C	TTS (NR_C	456	NR_002951	677794	Hs.683444	NR_002951	ENSG0000	SNORA2B	ACA2b	small nuc	snoRNA
chr12-536	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	53661100	53674741	+	0	NA	intron (N	intron (N	7499	NM_001330	517	Hs.524464	NM_005176	ENSG0000	ATP5MC2	ATP5A|ATP	ATP synth	protein-coding
chr12-673	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	67305145	67310312	+	0	NA	intron (N	intron (N	38370	NM_001329	55832	Hs.546407	NM_018448	ENSG0000	CAND1	TIP120|TI	cullin as	protein-coding
chr12-934	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	93485351	93489416	+	0	NA	intron (N	intron (N	19869	NM_014050	28977	Hs.199579	NM_014050	ENSG0000	MRPL42	HSPC204|I	mitochond	protein-coding
chr12-985	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	98594105	98605447	+	0	NA	non-codir	non-codir	141	NR_003015	677832	Hs.693250	NR_003015	ENSG0000	SNORA53	ACA53	small nuc	snoRNA
chr12-110	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluY|SINE	9443	NM_001278	10094	Hs.524741	NM_001278	ENSG0000	ARPC3	ARC21|p21	actin rel	protein-coding
chr12-112	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr12	1.13E+08	1.13E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-69090	NM_001347	22895	Hs.21239	NM_014954	ENSG0000	RPH3A	-	rabphilin	protein-coding
chr14-353	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr14	35308457	35319706	+	0	NA	intron (N	intron (N	21699	NM_002791	5687	Hs.446260	NM_002791	ENSG0000	PSMA6	IOTA|PROS	proteasom	protein-coding
chr14-920	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr14	92012232	92018106	+	0	NA	intron (N	AluSz|SIN	24890	NM_004239	9321	Hs.632339	NM_004239	ENSG0000	TRIP11	ACG1A|CEV	thyroid h	protein-coding
chr14-928	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr14	92822983	92835082	+	0	NA	intron (N	AluJb|SIN	34727	NM_005113	9950	Hs.104320	NM_005113	ENSG0000	GOLGA5	GOLIM5|RF	golgin A5	protein-coding
chr14-940	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr14	94048214	94062551	+	0	NA	intron (N	intron (N	25820	NM_020414	57062	Hs.510328	NM_020414	ENSG0000	DDX24	-	DEAD-box	protein-coding
chr15-410	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	41076918	41096347	+	0	NA	intron (N	AluSx|SIN	29614	NR_104038	54617	Hs.292949	NM_017553	ENSG0000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-414	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	41439464	41443957	+	0	NA	intron (N	intron (N	24606	NM_015138	23168	Hs.511096	NM_015138	ENSG0000	RTF1	GTL7|KIAA	RTF1 homo	protein-coding
chr15-437	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	43763368	43774780	+	0	NA	intron (N	intron (N	7892	NM_025165	80237	Hs.706346	NM_025165	ENSG0000	ELL3	-	elongatic	protein-coding
chr15-437	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	43792723	43818245	+	0	NA	intron (N	intron (N	5063	NM_001199	25764	Hs.730672	NM_016400	ENSG0000	HYPK	C15orf63|	huntingti	protein-coding
chr15-490	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	49023978	49030231	+	0	NA	intron (N	intron (N	19342	NM_014701	9728	Hs.9997	NM_014701	ENSG0000	SECISBP2L	SBP2L|SLA	SECIS bir	protein-coding
chr15-731	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	73122384	73123062	+	0	NA	exon (NM_	exon (NM_	70239	NM_001172	4756	Hs.388613	NM_002499	ENSG0000	NEO1	IGDCC2|NO	neogenin	protein-coding
chr15-772	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr15	77206152	77209376	+	0	NA	intron (N	L1MC2|LIN	17640	NR_026813	81698	Hs.656938	NM_030944		LINC00597	C15orf5	long inte	ncRNA
chr16-187	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	187481	200190	+	0	NA	intron (N	AluY|SINE	13376	NM_005331	3049	Hs.247921	NM_005331	ENSG0000	HBQ1	HBQ	hemoglobi	protein-coding
chr16-201	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	201268	228118	+	0	NA	intron (N	AluJb|SIN	14756	NM_018032	55692	Hs.16803	NM_018032	ENSG0000	LUC7L	LUC7B1|Lu	LUC7 like	protein-coding
chr16-294	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	29497261	29504609	+	0	NA	intron (N	intron (N	4939	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr16-466	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	46664326	46672958	+	0	NA	intron (N	intron (N	20536	NM_018206	55737	Hs.454528	NM_018206	ENSG0000	VPS35	MEM3|PARK	VPS35 ret	protein-coding
chr16-572	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	57246611	57254977	+	0	NA	intron (N	AluSq2|SI	5535	NM_012106	23568	Hs.632873	NM_012106	ENSG0000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr16-585	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	58564141	58586099	+	0	NA	exon (NM_	exon (NM_	-15189	NR_002980	677830	Hs.677515	NR_002980	ENSG0000	SNORA50A	ACA50|SNO	small nuc	snoRNA
chr16-696	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	69647015	69666729	+	0	NA	intron (N	intron (N	51803	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr16-696	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	69687875	69698960	+	0	NA	exon (NM_	exon (NM_	15258	NR_145753	1.1E+08		NR_145753		SNORD13H	-	small nuc	snoRNA
chr16-849	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr16	84986285	84994364	+	0	NA	exon (NM_	exon (NM_	21211	NM_001145	55625	Hs.461610	NM_017740	ENSG0000	ZDHHC7	DHHC7|SER	zinc fing	protein-coding
chr17-405	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	4059547	4072091	+	0	NA	intron (N	L1MC5|LIN	77211	NM_015113	23140	Hs.277624	NM_015113	ENSG0000	ZZEF1	ZZZ4	zinc fing	protein-coding
chr17-283	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	28339374	28356066	+	0	NA	TTS (NM_C	TTS (NM_C	9807	NM_015584	26073	Hs.241543	NM_015584	ENSG0000	POLDIP2	PDIP38|PO	DNA polym	protein-coding
chr17-287	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	28720315	28725704	+	0	NA	promoter-	promoter-	-420	NR_000014	26809		NR_000014	ENSG0000	SNORD42A	RNU42A|U4	small nuc	snoRNA
chr17-399	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	39916548	39923881	+	0	NA	TTS (NM_1	TTS (NM_1	-1564	NM_001165	55876	Hs.306777	NM_018530	ENSG0000	GSDMB	GSDML|PP4	gasdermin	protein-coding
chr17-440	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	44032219	44040489	+	0	NA	intron (N	intron (N	-13203	NM_001304	84336	Hs.514211	NM_032376	ENSG0000	TMEM101	-	transmemb	protein-coding
chr17-471	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	47133284	47165479	+	0	NA	intron (N	AluSc|SIN	39914	NM_001256	996	Hs.463295	NM_001256	ENSG0000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-488	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	48843595	48858661	+	0	NA	exon (NM_	exon (NM_	20093	NM_001261	10241	Hs.514920	NM_005831	ENSG0000	CALCOCO2	NDP52	calcium b	protein-coding
chr17-604	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	60446958	60468648	+	0	NA	intron (N	L1MB8|LIN	35314	NM_181707	124773	Hs.129312	NM_181707	ENSG0000	C17orf64	-	chromosom	protein-coding
chr17-645	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	64520095	64527499	+	0	NA	intron (N	AluJr4|SI	16820	NR_133644	90799	Hs.569713	NM_138363	ENSG0000	CEP95	CCDC45	centrosom	protein-coding
chr17-645	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	64574815	64599706	+	0	NA	intron (N	intron (N	75047	NM_022739	64750	Hs.515011	NM_022739	ENSG0000	SMURF2	-	SMAD spec	protein-coding
chr17-682	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	68273863	68284601	+	0	NA	intron (N	intron (N	11895	NM_001174	9120	Hs.42645	NM_004694	ENSG0000	SLC16A6	MCT6|MCT7	solute ca	protein-coding
chr17-751	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr17	75165436	75169993	+	0	NA	3’ UTR (N	3’ UTR (N	-13031	NR_109933	51155	Hs.532803	NM_016185	ENSG0000	JPT1	ARM2|HN1|	Jupiter m	protein-coding
chr18-933	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr18	9337455	9347136	+	0	NA	intron (N	MIR|SINE|	7522	NM_020648	57045	Hs.514685	NM_020648	ENSG0000	TWSG1	TSG	twisted g	protein-coding
chr18-458	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr18	45895230	45918384	+	0	NA	intron (N	AluSq|SIN	60522	NM_020964	57724	Hs.514843	NM_020964	ENSG0000	EPG5	HEEW1|KIA	ectopic F	protein-coding
chr19-110	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	11096192	11133405	+	0	NA	intron (N	AluY|SINE	1324	NR_106946	1.02E+08		NR_106946	ENSG0000	MIR6886	hsa-mir-6	microRNA	ncRNA
chr19-138	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	13840649	13841445	+	0	NA	non-codir	non-codir	1871	NR_036515	284454	Hs.436426	NR_036515		LOC284454	-	uncharact	ncRNA
chr19-153	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	15364387	15374979	+	0	NA	intron (N	intron (N	10104	NM_005858	10270	Hs.594496	NM_005858	ENSG0000	AKAP8	AKAP 95|A	A-kinase	protein-coding
chr19-178	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	17860488	17866478	+	0	NA	TTS (NM_C	TTS (NM_C	895	NR_000012	26780	Hs.684118	NR_000012	ENSG0000	SNORA68	RNU68|SNO	small nuc	snoRNA
chr19-491	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	49199333	49207249	+	0	NA	intron (N	AluSc8|SI	45499	NM_001195	54795	Hs.467101	NM_017636	ENSG0000	TRPM4	LTrpC4|PF	transient	protein-coding
chr19-572	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr19	57242486	57257357	+	0	NA	intron (N	intron (N	9289	NM_001023	390980	Hs.22488	NM_001023	ENSG0000	ZNF805	-	zinc fing	protein-coding
chr2-2736	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	27363618	27369264	+	0	NA	intron (N	AluJo|SIN	3611	NM_001318	8890	Hs.169474	NM_015636	ENSG0000	EIF2B4	EIF-2B|EI	eukaryoti	protein-coding
chr2-2766	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	27667021	27673899	+	0	NA	intron (N	HAL1|LINE	-6620	NM_001282	9913	Hs.6232	NM_014860	ENSG0000	SUPT7L	SPT7L|STA	SPT7 like	protein-coding
chr2-7375	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	73754458	73778309	+	0	NA	intron (N	intron (N	13774	NM_003584	8446	Hs.14611	NM_003584	ENSG0000	DUSP11	PIR1	dual spec	protein-coding

chr2-9509	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	95097225	95106190	+		0	NA	exon (NM_	exon (NM_	19850	NM_001321	64969	Hs.655259	NM_031902	ENSG00000	MRPS5	MRP-S5|S5	mitochond	protein-coding
chr2-1084	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	1.08E+08	1.09E+08	+		0	NA	intron (N	L1MC5a|LI	33290	NR_135290	644903		NM_032658	ENSG00000	GCC2-AS1	-	GCC2 anti	ncRNA
chr2-1620	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	1.62E+08	1.62E+08	+		0	NA	intron (N	MIR3|SINE	37459	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-1696	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	1.7E+08	1.7E+08	+		0	NA	intron (N	AluSx1|SI	26780	NM_004792	9360	Hs.470544	NM_004792	ENSG00000	PPIG	CARS-Cyp|	peptidylp	protein-coding
chr2-2017	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	2.02E+08	2.02E+08	+		0	NA	intron (N	intron (N	-40622	NM_033066	58538	Hs.63085	NM_033066	ENSG00000	MPP4	ALS2CR5|I	membrane	protein-coding
chr2-2310	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr2	2.31E+08	2.31E+08	+		0	NA	intron (N	L4_A_Mam|	7668	NM_002807	5707	Hs.3887	NM_002807	ENSG00000	PSMD1	P112|Rpn2	proteasom	protein-coding
chr20-112	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr20	1123754	1130523	+		0	NA	intron (N	intron (N	8536	NM_001323	9491	Hs.471917	NM_006814	ENSG00000	PSMF1	PI31	proteasom	protein-coding
chr20-304	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr20	3047626	3049617	+		0	NA	TTS (NM_0	TTS (NM_0	2569	NM_030811	64949	Hs.18946	NM_030811	ENSG00000	MRPS26	C20orf193	mitochond	protein-coding
chr20-354	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr20	35403963	35410066	+		0	NA	intron (N	L1MB3|LIN	4959	NM_018244	55245	Hs.726290	NM_018244	ENSG00000	UQCC1	BFZB|C20o	ubiquinol	protein-coding
chr20-621	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr20	62124345	62134434	+		0	NA	intron (N	intron (N	6914	NM_144703	149986	Hs.105379	NM_144703	ENSG00000	LSM14B	C20orf40|	LSM famil	protein-coding
chr21-347	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr21	34797116	34800038	+		0	NA	intron (N	MER2|DNA|	52752	NR_038885	1.01E+08	Hs.120179	NR_038885	ENSG00000	LINC01426	lincRNA-u	long inte	ncRNA
chr21-371	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr21	37131042	37175501	+		0	NA	exon (NM_	exon (NM_	40655	NR_046651	1.01E+08	Hs.570411	NR_046651	ENSG00000	TTC3-AS1	-	TTC3 anti	ncRNA
chr22-265	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr22	26500906	26511488	+		0	NA	intron (N	intron (N	6276	NM_012143	24144	Hs.20225	NM_012143	ENSG00000	TFIP11	NTR1|STIP	tuftelin	protein-coding
chr22-408	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr22	40822769	40851958	+		0	NA	intron (N	AluSp|SIN	-17964	NM_001282	10478	Hs.474938	NM_006358	ENSG00000	SLC25A17	PMP34	solute ca	protein-coding
chr3-9387	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr3	9387725	9395257	+		0	NA	intron (N	AluSz|SIN	5132	NR_132781	440944	Hs.598958	NM_001013	ENSG00000	THUMPD3-A	SETD5-AS1	THUMPD3 a	ncRNA
chr3-1014	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr3	10148851	10154690	+		0	NA	3’ UTR (N	3’ UTR (N	9992	NM_198156	7428	Hs.517792	NM_000551	ENSG00000	VHL	HRCA1|RCA	von Hippe	protein-coding
chr3-1543	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr3	15431509	15438186	+		0	NA	intron (N	intron (N	7249	NM_033083	85403	Hs.716733	NM_033083	ENSG00000	EAF1	-	ELL assoc	protein-coding
chr3-1637	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr3	16375800	16378340	+		0	NA	intron (N	intron (N	111858	NM_001352	92106	Hs.655449	NM_138381	ENSG00000	OXNAD1	-	oxidoredu	protein-coding
chr3-1249	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr3	1.25E+08	1.25E+08	+		0	NA	intron (N	intron (N	53533	NM_020733	57493	Hs.477420	NM_020733	ENSG00000	HEG1	HEG|MST11	heart dev	protein-coding
chr4-1505	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr4	15057715	15068264	+		0	NA	intron (N	intron (N	60508	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr4-2538	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr4	25388749	25398616	+		0	NA	intron (N	AluSz6|SI	16419	NM_013367	29945	Hs.152173	NM_013367	ENSG00000	ANAPC4	APC4	anaphase	protein-coding
chr4-7081	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr4	70819049	70838298	+		0	NA	intron (N	AluJb|SIN	10830	NM_001098	2926	Hs.309763	NM_002092	ENSG00000	GRSF1	-	G-rich RN	protein-coding
chr4-7580	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr4	75807515	75813943	+		0	NA	intron (N	AluSc|SIN	86207	NM_003715	8615	Hs.744877	NM_003715	ENSG00000	USO1	P115|TAP|	USO1 vesi	protein-coding
chr5-1432	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr5	14323538	14342502	+		0	NA	intron (N	intron (N	-130963	NR_145815	1.1E+08		NR_145815		SNORD170	-	small nuc	snoRNA
chr5-7211	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr5	72114625	72121125	+		0	NA	intron (N	intron (N	10400	NM_005909	4131	Hs.335079	NM_005909	ENSG00000	MAP1B	FUTSCH|MA	microtubu	protein-coding
chr5-1275	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr5	1.28E+08	1.28E+08	+		0	NA	intron (N	intron (N	14380	NM_001286	133619	Hs.483259	NM_130809	ENSG00000	PRRC1	-	proline r	protein-coding
chr5-1326	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr5	1.33E+08	1.33E+08	+		0	NA	intron (N	intron (N	32719	NR_132124	1.02E+08	Hs.598812	NR_132124	ENSG00000	TH2LCRR	TH2-LCR	T helper	ncRNA
chr6-1224	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr6	1.22E+08	1.22E+08	+		0	NA	intron (N	intron (N	17716	NM_020755	57515	Hs.146668	NM_020755	ENSG00000	SERINC1	TDE1L|TDE	serine ir	protein-coding
chr6-1485	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr6	1.49E+08	1.49E+08	+		0	NA	exon (NM_	exon (NM_	35569	NM_001346	23328	Hs.193133	NM_015278	ENSG00000	SASH1	CAPOK|DUF	SAM and S	protein-coding
chr7-4743	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr7	47437787	47440834	+		0	NA	intron (N	intron (N	25493	NR_145813	1.1E+08		NR_145813		SNORD151	-	small nuc	snoRNA
chr7-1000	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr7	1E+08	1E+08	+		0	NA	intron (N	AluSp|SIN	10356	NM_001346	7586	Hs.615360	NM_003439	ENSG00000	ZKSCAN1	KOX18|PHZ	zinc fing	protein-coding
chr7-1008	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr7	1.01E+08	1.01E+08	+		0	NA	intron (N	intron (N	7055	NM_001015	402682	Hs.534845	NM_001015	ENSG00000	UFSP1	UFSP	UFM1 spec	protein-coding
chr7-1033	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr7	1.03E+08	1.03E+08	+		0	NA	intron (N	intron (N	16319	NM_002803	5701	Hs.437366	NM_002803	ENSG00000	PSMC2	MSS1|Nbla	proteasom	protein-coding
chr7-1169	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr7	1.17E+08	1.17E+08	+		0	NA	intron (N	intron (N	-38079	NM_001369	7982	Hs.368131	NM_018412	ENSG00000	ST7	ETS7q|FAM	suppressi	protein-coding
chr8-2260	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr8	22605905	22616618	+		0	NA	intron (N	AluSx1|SI	6219	NM_021174	57805	Hs.744848	NM_021174	ENSG00000	CCAR2	DBC-1|DBC	cell cycl	protein-coding
chr8-9814	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr8	98147769	98148988	+		0	NA	intron (N	intron (N	30538	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr8-1237	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr8	1.24E+08	1.24E+08	+		0	NA	intron (N	AluJo|SIN	14747	NM_001317	157769	Hs.459174	NM_144963	ENSG00000	FAM91A1	-	family wi	protein-coding
chr8-1254	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr8	1.25E+08	1.25E+08	+		0	NA	exon (NM_	exon (NM_	4132	NM_001282	10221	Hs.444947	NM_025195	ENSG00000	TRIB1	C8FW|GIG-	tribbles	protein-coding
chr8-1448	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr8	1.45E+08	1.45E+08	+		0	NA	3’ UTR (N	3’ UTR (N	18853	NM_001363	58500	Hs.532277	NM_021061	ENSG00000	ZNF250	ZFP647|ZN	zinc fing	protein-coding
chr9-2691	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr9	26918508	26926349	+		0	NA	intron (N	Charlie1a	-24562	NM_001099	80173	Hs.145402	NM_025103	ENSG00000	IFT74	BBS20|CCD	intraflag	protein-coding
chr9-2721	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr9	27212821	27215258	+		0	NA	intron (N	intron (N	68754	NR_026679	158035	Hs.201554	NR_026679	ENSG00000	LINC00032	C9orf14|N	long inte	ncRNA
chr9-3325	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr9	33251846	33263059	+		0	NA	intron (N	intron (N	7256	NM_001172	573	Hs.377484	NM_004323	ENSG00000	BAG1	BAG-1|HAP	BCL2 asso	protein-coding
chr9-1132	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chr9	1.13E+08	1.13E+08	+		0	NA	intron (N	intron (N	10804	NM_001371234								
chrX-1385	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chrX	1385906	1391495	+		0	NA	intron (N	MLT1B|LTR	3413	NM_001636	293	Hs.350927	NM_001636	ENSG00000	SLC25A6	AAC3|ANT|	solute ca	protein-coding
chrX-2406	8.043835	-0.49887	0.7529	-0.66259	0.507591	0.640316	chrX	24069332	24079129	+		0	NA	intron (N	L1MC4|LIN	19274	NM_001415	1968	Hs.539684	NM_001415	ENSG00000	EIF2S3	EIF2|EIF2	eukaryoti	protein-coding
chr4-5546	8.554466	-0.48323	0.730719	-0.66131	0.508413	0.641139	chr4	55465915	55466598	+		0	NA	intron (N	THE1C|LTR	70299	NM_018475	55858	Hs.479766	NM_018475	ENSG00000	TMEM165	CDG2K|FT2	transmemb	protein-coding
chr1-2522	9.213405	0.452444	0.691349	0.654437	0.51283	0.646457	chr1	2522689	2522984	+		0	NA	intron (N	intron (N	3760	NM_018216	55229	Hs.26156	NM_018216	ENSG00000	PANK4	-	pantother	protein-coding
chr8-2415	10.75754	-0.3889	0.594454	-0.65421	0.512974	0.646457	chr8	241556	248678	+		0	NA	intron (N	intron (N	12661	NM_001042	169270	Hs.591388	NM_173539	ENSG00000	ZNF596	-	zinc fing	protein-coding
chr1-1705	10.76992	-0.38719	0.59434	-0.65146	0.514747	0.647824	chr1	1.71E+08	1.71E+08	+		0	NA	intron (N	intron (N	-8698	NR_125958	1.02E+08	Hs.676662	NR_125958		GORAB-AS1	-	GORAB ant	ncRNA
chr19-400	10.76992	-0.38719	0.59434	-0.65146	0.514747	0.647824	chr19	40072271	40086355	+		0	NA	intron (N	L1M2|LINE	11590	NM_001010	284323	Hs.115140	NM_001010	ENSG00000	ZNF780A	ZNF780	zinc fing	protein-coding
chr19-572	10.76992	-0.38719	0.59434	-0.65146	0.514747	0.647824	chr19	57283662	57297483	+		0	NA	intron (N	AluSx1|SI	10087	NM_006635	10794	Hs.99971	NM_006635	ENSG00000	ZNF460	HZF8|ZNF2	zinc fing	protein-coding
chr19-582	10.76992	-0.38719	0.59434	-0.65146	0.514747	0.647824	chr19	58229779	58278016	+		0	NA	intron (N	HERV4_I-i	24983	NM_001320	27300	Hs.438994	NM_014480	ENSG00000	ZNF544	-	zinc fing	protein-coding
chr9-1290	8.0686	-0.49303	0.763535	-0.64573	0.518457	0.652275	chr9	1.29E+08	1.29E+08	+		0	NA	intron (N	intron (N	-13401	NM_020438	57171	Hs.21701	NM_020438	ENSG00000	DOLPP1	LSFR2	dolichylo	protein-coding
chr4-1188	10.76771	-0.38386	0.596739	-0.64326	0.520053	0.654064	chr4	1.19E+08	1.19E+08	+		0	NA	intron (N	MLT1H|LTR	22101	NM_001318	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1382	8.498312	-0.47842	0.747401	-0.64011	0.522103	0.656423	chr5	13822825	13823370	+		0	NA	intron (N	intron (N	121383	NM_001369	1767	Hs.212360	NM_001369	ENSG00000	DNAH5	CILD3|DNA	dynein ax	protein-coding
chr3-1238	10.27167	-0.39219	0.621476	-0.63106	0.528003	0.663619	chr3	1.24E+08	1.24E+08	+		0	NA	intron (N	L1ME1|LIN	9309	NM_053028	4638	Hs.477375	NM_005965	ENSG00000	MYLK	AAT7|KRP|	myosin li	protein-coding
chr19-439	10.25708	-0.39045	0.621678	-0.62806	0.529966	0.665863	chr19	43911833	43933424	+		0	NA	intron (N	MIR|SINE|	12654	NM_003425	7596	Hs.381285	NM_003425	ENSG00000	ZNF45	KOX5|ZNF1	zinc fing	protein-coding
chr18-167	14.6566	-0.27243	0.436017	-0.62481	0.532097	0.668319	chr18	16766145	16766344	+		0	NA	Intergeni	ALR/Alpha	-1440325	NR_027417	644669	Hs.579474	NR_027417	ENSG00000	LOC644669	-	ankyrin r	pseudo
chr1-2217	10.26946	-0.38856	0.622477	-0.62421	0.53249	0.668588	chr1	2.22E+08	2.22E+08	+		0	NA	intron (N	intron (N	1434	NR_111939	11221	Hs.497822	NM_007207	ENSG00000	DUSP10	MKP-5|MKP	dual spec	protein-coding
chr1-2208	10.29644	-0.38838	0.624918	-0.62149	0.534277	0.670609	chr1	2.21E+08	2.21E+08	+		0	NA	intron (N	CpG-2249	-2277	NR_046901	1.01E+08	Hs.645593	NR_046901	ENSG00000	HLX-AS1	-	HLX antis	ncRNA
chr20-344	10.25487	-0.38678	0.624418	-0.61943	0.535631	0.672084	chr20	34496482	34497867	+		0	NA	intron (N	AluSg|SIN	-19210	NR_104032	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr17-161	9.788012	-0.39982	0.653776	-0.61156	0.540829	0.676573	chr17	16108634	16108857	+		0	NA	intron (N	intron (N	44451	NR_145787	1.1E+08		NR_145787		SNORD163	-	small nuc	snoRNA
chr5-1339	10.29423	-0.3846	0.629711	-0.61076	0.541358	0.676573	chr5	1.34E+08	1.34E+08	+		0	NA	intron (N	AluSg|SIN	4538	NM_020199	56951	Hs.744034	NM_020199	ENSG00000	C5orf15	HTGN29|KC	chromosom	protein-coding
chr2-6127	9.785804	-0.3958	0.650872	-0.6081	0.543118	0.676573	chr2	61277280	61278618	+		0	NA	intron (N	THE1B|LTR	100531	NR_152215	130872	Hs.655602	NM_152392	ENSG00000	AHSA2P	AHA1|AHSA	activator	pseudo
chr15-434	9.814985	-0.39972	0.658661	-0.60687	0.543935	0.676573	chr15	43446813	43447238	+		0	NA	intron (N	intron (N	46131	NM_001141	7158	Hs.440968	NM_005657	ENSG00000	TP53BP1	53BP1|TDR	tumor pro	protein-coding
chr1-9000	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr1	90009378	90029122	+		0	NA	intron (N	intron (N	24140	NM_001320	284695	Hs.306221	NM_181781	ENSG00000	ZNF326	ZAN75|ZIR	zinc fing	protein-coding
chr11-108	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr11	1.09E+08	1.09E+08	+		0	NA	intron (N	L1MCa|LIN	43002	NM_004398	1662	Hs.591931	NM_004398	ENSG00000	DDX10	Dbp4|HRH-	DEAD-box	protein-coding
chr19-928	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr19	9288735	9306043	+		0	NA	exon (NM_	exon (NM_	12449	NM_198535	374879	Hs.633842	NM_198535	ENSG00000	ZNF699	hang	zinc fing	protein-coding
chr19-196	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr19	19670913	19682281	+		0	NA	intron (N	intron (N	7758	NM_033204	94039	Hs.63187	NM_033204	ENSG00000	ZNF101	HZF12	zinc fing	protein-coding
chr4-4288	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr4	428881	472884	+		0	NA	intron (N	AluY|SINE	23327	NR_002451	79963	Hs.677493	NM_024903	ENSG00000	ABCA11P	ABCA11|ES	ATP bindi	pseudo
chr4-1086	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr4	1.09E+08	1.09E+08	+		0	NA	intron (N	MIR|SINE|	3983	NM_001319	6164	Hs.438227	NM_000995	ENSG00000	RPL34	L34	ribosomal	protein-coding
chr9-1372	9.771214	-0.39389	0.650073	-0.60592	0.544567	0.676573	chr9	1.37E+08	1.37E+08	+		0	NA	TTS (NM_0	TTS (NM_0	1667	NM_006088	10383	Hs.433615	NM_006088	ENSG00000	TUBB4B	Beta2|LCA	tubulin b	protein-coding
chr3-2575	10.27964	-0.38276	0.631739	-0.60588	0.544592	0.676573	chr3	25750840	25751051	+		0	NA	intron (N	MER8|DNA|	32498	NM_018297	55768	Hs.368960	NM_018297	ENSG00000	NGLY1	CDDG|CDG1	N-glycana	protein-coding
chr7-1023	9.74424	-0.39406	0.651336	-0.605	0.545181	0.676573	chr7	1.02E+08	1.02E+08	+		0	NA	intron (N	intron (N	3360	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr20-294	11.97208	-0.32224	0.534528	-0.60286	0.546604	0.676573	chr20	29485072	29485468	+		0	NA	intron (N	L1ME4b|LI	12064	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr17-455	12.43553	0.311993	0.518398	0.601841	0.54728	0.676573	chr17	45581219	45582717	+		0	NA	Intergeni	L2c|LINE|	19894	NR_026901	644172	Hs.448859	NR_026901		MAPK8IP1P	-	mitogen-a	pseudo
chr1-2524	9.783596	-0.3918	0.652084	-0.60085	0.547941	0.676573	chr1	25240809	25246839	+		0	NA	non-codin	non-codin	3630	NR_135786	57035	Hs.259412	NM_020317	ENSG00000	RSRP1	C1orf63|N	arginine	protein-coding
chr17-460	8.509497	0.439043	0.732964	0.598997	0.549175	0.676573	chr17	46093758	46094927	+		0	NA	intron (N	AluJb|SIN	95092	NM_001007	246744	Hs.661831	NM_001007	ENSG00000	STH	MAPTIT	saitohin	protein-coding
chr8-1754	9.702677	-0.39223	0.662188	-0.59233	0.55363	0.676573	chr8	17549036	17549256	+		0	NA	intron (N	THE1B|LTR	10369	NM_001164	6542	Hs.448520	NM_003046	ENSG00000	SLC7A2	ATRC2|CAT	solute ca	protein-coding
chr1-2132	9.260582	-0.40224	0.680827	-0.59081	0.554649	0.676573	chr1	2.13E+08	2.13E+08	+		0	NA	intron (N	L1PA4|LIN	163229	NM_012424	26750	Hs.591416	NM_012424	ENSG00000	RPS6KC1	RPK118|RS	ribosomal	protein-coding
chr2-1443	9.260582	-0.40224	0.680827	-0.59081	0.554649	0.676573	chr2	1.44E+08	1.44E+08	+		0	NA	exon (NM_	exon (NM_	-56485	NM_001354	79712	Hs.44780	NM_024659	ENSG00000	GTDC1	Hmat-Xa|m	glycosylt	protein-coding
chr6-1113	9.260582	-0.40224	0.680827	-0.59081	0.554649	0.676573	chr6	11134481	11135959	+		0	NA	3’ UTR (N	3’ UTR (N	-23495	NM_207582	405754	Hs.631996	NM_207582	ENSG00000	ERVFRD-1	ERVFRDE1|	endogenou	protein-coding
chr14-212	9.272965	-0.39997	0.679576	-0.58855	0.556162	0.676573	chr14	21227766	21235788	+		0	NA	intron (N	intron (N	-24877	NR_038971	283624	Hs.525210	NR_038970	ENSG00000	LINC00641	-	long inte	ncRNA
chr19-441	9.272965	-0.39997	0.679576	-0.58855	0.556162	0.676573	chr19	44115546	44116359	+		0	NA	intron (N	AluSx|SIN	2553	NM_013362	7768	Hs.279567	NM_013362	ENSG00000	ZNF225	-	zinc fing	protein-coding
chr19-521	9.272965	-0.39997	0.679576	-0.58855	0.556162	0.676573	chr19	52153459	52169603	+		0	NA	intron (N	MLT1A1|LT	10090	NM_001102	162962	Hs.631584	NM_001102	ENSG00000	ZNF836	-	zinc fing	protein-coding
chr2-2406	9.272965	-0.39997	0.679576	-0.58855	0.556162	0.676573	chr2	24067147	24069719	+		0	NA	exon (NM_	exon (NM_	7893	NM_016047	51639	Hs.177861	NM_016047	ENSG00000	SF3B6	CGI-110|H	splicing	protein-coding
chr3-4052	9.272965	-0.39997	0.679576	-0.58855	0.556162	0.676573	chr3	40529060	40538900	+		0	NA	3’ UTR (N	3’ UTR (N	9020	NM_001098	285268	Hs.19977	NM_198484	ENSG00000	ZNF621	-	zinc fing	protein-coding
chr1-1454	9.233609	-0.40246	0.684693	-0.5878	0.556668	0.676573	chr1	1.45E+08	1.45E+08	+		0	NA	Intergeni	Intergeni	-2123	NM_001278	1E+08	Hs.445080	NM_001278	ENSG00000	NBPF20	-	NBPF memb	protein-coding
chr4-3199	9.233609	-0.40246	0.684693	-0.5878	0.556668	0.676573	chr4	3199785	3200114	+		0	NA	intron (N	intron (N	-44420	NM_001330	345222	Hs.442291	NM_001012	ENSG00000	MSANTD1	C4orf44	Myb/SANT	protein-coding
chr3-1380	9.299938	-0.39979	0.682835	-0.58548	0.558225	0.676573	chr3	1.38E+08	1.38E+08	+		0	NA	Intergeni	(ATGGTG)n	40945	NM_016369	51208	Hs.655324	NM_016369	ENSG00000	CLDN18	SFTA5|SFT	claudin 1	protein-coding
chr4-7594	9.299938	-0.39979	0.682835	-0.58548	0.558225	0.676573	chr4	75947326	75948081	+		0	NA	Intergeni	AluSx1|SI	-6690	NM_001042	27163	Hs.437365	NM_014435	ENSG00000	NAAA	ASAHL|PLT	N-acyleth	protein-coding
chr1-2085	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr1	20859949	20860368	+		0	NA	intron (N	L2c|LINE|	-73470	NM_016287	50809	Hs.142442	NM_016287	ENSG00000	HP1BP3	HP1-BP74|	heterochr	protein-coding
chr1-1089	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr1	1.09E+08	1.09E+08	+		0	NA	intron (N	AluSx4|SI	-29664	NM_001048	23155	Hs.658489	NM_015127	ENSG00000	CLCC1	MCLC	chloride	protein-coding
chr1-1199	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr1	1.2E+08	1.2E+08	+		0	NA	intron (N	LTR55|LTR	-40054	NM_021794	11085	Hs.283011	NM_021794	ENSG00000	ADAM30	svph4	ADAM meta	protein-coding
chr10-997	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr10	99735478	99742015	+		0	NA	intron (N	L1MC5a|LI	-6080	NM_001320	1355	Hs.28326	NM_004376	ENSG00000	COX15	CEMCOX2	cytochrom	protein-coding
chr10-110	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr10	1.1E+08	1.1E+08	+		0	NA	intron (N	AluSz|SIN	6772	NM_005871	10285	Hs.632093	NM_005871	ENSG00000	SMNDC1	SMNR|SPF3	survival	protein-coding
chr12-133	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr12	1.33E+08	1.33E+08	+		0	NA	exon (NM_	exon (NM_	25092	NM_001330	7574	Hs.489608	NM_019591	ENSG00000	ZNF26	HEL-179|K	zinc fing	protein-coding
chr15-491	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr15	49139395	49144795	+		0	NA	intron (N	intron (N	13504	NM_004236	9318	Hs.369614	NM_004236	ENSG00000	COPS2	ALIEN|CSN	COP9 sign	protein-coding
chr17-313	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr17	31326093	31326855	+		0	NA	intron (N	AluSx1|SI	-4852	NM_001003	2123	Hs.591198	NM_014210	ENSG00000	EVI2A	EVDA|EVI-	ecotropic	protein-coding
chr17-475	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr17	47599351	47602723	+		0	NA	intron (N	AluSz6|SI	-48882	NM_002265	3837	Hs.532793	NM_002265	ENSG00000	KPNB1	IMB1|IPO1	karyopher	protein-coding
chr19-477	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr19	47714636	47718489	+		0	NA	5’ UTR (N	5’ UTR (N	3140	NM_014601	30846	Hs.744963	NM_014601	ENSG00000	EHD2	PAST2	EH domain	protein-coding
chr19-526	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr19	52606752	52620547	+		0	NA	exon (NM_	exon (NM_	16965	NR_023311	7696	Hs.373648	NM_003438		ZNF137P	ZNF137|pH	zinc fing	pseudo
chr2-9517	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr2	95177339	95183575	+		0	NA	intron (N	intron (N	14648	NM_001282	7549	Hs.590916	NM_021088	ENSG00000	ZNF2	A1-5|ZNF6	zinc fing	protein-coding
chr3-1790	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr3	1.79E+08	1.79E+08	+		0	NA	intron (N	intron (N	5343	NM_022470	64393	Hs.371609	NM_022470	ENSG00000	ZMAT3	PAG608|WI	zinc fing	protein-coding
chr4-1866	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr4	1.87E+08	1.87E+08	+		0	NA	intron (N	intron (N	32397	NM_005245	2195	Hs.481371	NM_005245	ENSG00000	FAT1	CDHF7|CDH	FAT atypi	protein-coding
chr5-6956	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr5	69562107	69568636	+		0	NA	intron (N	L1MB8|LIN	5126	NM_001098	728340	Hs.191356	NM_001098	ENSG00000	GTF2H2C	GTF2H2C_2	GTF2H2 fa	protein-coding
chr5-1790	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr5	1.79E+08	1.79E+08	+		0	NA	intron (N	L4_B_Mam|	5734	NM_001353	345462	Hs.445740	NM_001136	ENSG00000	ZNF879	DKFZp686E	zinc fing	protein-coding
chr7-9313	9.258375	-0.39789	0.679737	-0.58536	0.558306	0.676573	chr7	93134311	93136062	+		0	NA	exon (NM_	exon (NM_	13199	NM_001303	219285	Hs.489118	NM_152703	ENSG00000	SAMD9L	ATXPC|C7o	sterile a	protein-coding
chr1-2066	9.285348	-0.3977	0.680718	-0.58423	0.559062	0.676573	chr1	2.07E+08	2.07E+08	+		0	NA	intron (N	L1PB1|LIN	5865	NM_001004	8444	Hs.164267	NM_003582	ENSG00000	DYRK3	DYRK5|RED	dual spec	protein-coding
chr4-1434	9.285348	-0.3977	0.680718	-0.58423	0.559062	0.676573	chr4	1.43E+08	1.43E+08	+		0	NA	intron (N	intron (N	-54173	NM_003601	8467	Hs.558422	NM_003601	ENSG00000	SMARCA5	ISWI|SNF2	SWI/SNF r	protein-coding
chr6-1789	9.285348	-0.3977	0.680718	-0.58423	0.559062	0.676573	chr6	17891687	17898482	+		0	NA	intron (N	L1MEg|LIN	92551	NM_001105	63971	Hs.94499	NM_022113	ENSG00000	KIF13A	RBKIN|bA5	kinesin f	protein-coding
chr6-1163	9.270757	-0.39562	0.680881	-0.58104	0.561216	0.676573	chr6	1.16E+08	1.16E+08	+		0	NA	exon (NM_	exon (NM_	-27833	NR_148944	1E+08	Hs.458358	NR_148944		LOC100287	-	uncharact	ncRNA
chr16-714	11.49859	-0.32088	0.557314	-0.57577	0.564774	0.676573	chr16	71446526	71458188	+		0	NA	intron (N	intron (N	9890	NM_001304	7571	Hs.656643	NM_145911	ENSG00000	ZNF23	KOX16|ZNF	zinc fing	protein-coding
chr5-6991	13.65789	-0.26897	0.467942	-0.5748	0.565429	0.676573	chr5	69910888	69911710	+		0	NA	intron (N	AluJo|SIN	-7279	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr2-2083	8.789307	-0.4092	0.714392	-0.57279	0.566787	0.676573	chr2	2.08E+08	2.08E+08	+		0	NA	exon (NM_	exon (NM_	38662	NM_152671	200576	Hs.744997	NM_015040	ENSG00000	PIKFYVE	CFD|FAB1|	phosphoin	protein-coding
chr1-1486	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr1	1.49E+08	1.49E+08	+		0	NA	intron (N	(CAT)n|Si	-15470	NM_015383	25832	Hs.534675	NM_015383	ENSG00000	NBPF14	DJ328E19.	NBPF memb	protein-coding
chr11-331	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr11	33139012	33142298	+		0	NA	TTS (NM_0	TTS (NM_0	20825	NM_001326	1479	Hs.44402	NM_001326	ENSG00000	CSTF3	CSTF-77	cleavage	protein-coding
chr17-121	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr17	12124474	12126779	+		0	NA	intron (N	intron (N	43727	NR_030613	1E+08		NR_030613	ENSG00000	MIR744	MIRN744|h	microRNA	ncRNA
chr17-731	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr17	73195332	73204192	+		0	NA	intron (N	AluJb|SIN	6707	NM_018714	9382	Hs.103555	NM_018714	ENSG00000	COG1	CDG2G|LDL	component	protein-coding
chr19-522	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr19	52298633	52324341	+		0	NA	intron (N	intron (N	14318	NM_144684	147657	Hs.729317	NM_144684	ENSG00000	ZNF480	-	zinc fing	protein-coding
chr2-2304	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr2	2.3E+08	2.3E+08	+		0	NA	intron (N	intron (N	31390	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr7-1026	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr7	1.03E+08	1.03E+08	+		0	NA	TTS (NM_0	TTS (NM_0	5719	NM_001114	1E+08	Hs.610255	NM_001114	ENSG00000	UPK3BL1	UPK3BL|UP	uroplakin	protein-coding
chr9-1054	8.760126	-0.40462	0.70942	-0.57035	0.568441	0.676573	chr9	1.05E+08	1.05E+08	+		0	NA	intron (N	L1MB2|LIN	21168	NM_001287	83856	Hs.136901	NM_031919	ENSG00000	FSD1L	CCDC10|CS	fibronect	protein-coding

chr1-6663	8.787099	-0.40441	0.710591	-0.56912	0.569274	0.676573	chr1	66630018	66630640	+	0	NA	intron (N	intron (N	1889	NR_036060	1E+08		NR_036060	ENSG00000	MIR3117	mir-3117	microRNA	ncRNA
chr1-1804	8.787099	-0.40441	0.710591	-0.56912	0.569274	0.676573	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	L1ME1|LIN	27214	NM_032360	84320	Hs.200051	NM_032360	ENSG00000	ACBD6	-	acyl-CoA	protein-coding
chr6-1354	8.787099	-0.40441	0.710591	-0.56912	0.569274	0.676573	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	L1MD3|LIN	15672	NM_001134	54806	Hs.386684	NM_017651	ENSG00000	AHI1	AHI-1|JBT	Abelson h	protein-coding
chr1-3348	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr1	33483724	33498191	+	0	NA	intron (N	intron (N	18312	NM_145238	7579	Hs.442705	NM_145238	ENSG00000	ZSCAN20	KOX29|ZFP	zinc fing	protein-coding
chr1-1536	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	AluSx|SIN	4868	NM_001024	6284	Hs.516505	NM_005979	ENSG00000	S100A13	-	S100 calc	protein-coding
chr1-1625	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr1	1.63E+08	1.63E+08	+	0	NA	intron (N	MER20|DNA	21939	NM_175866	127933	Hs.127310	NM_144624	ENSG00000	UHMK1	KIS|KIST|	U2AF homo	protein-coding
chr1-1739	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr1	1.74E+08	1.74E+08	+	0	NA	intron (N	AluSz|SIN	1838	NM_001300	149041	Hs.30258	NM_172071	ENSG00000	RC3H1	RNF198|RC	ring fing	protein-coding
chr1-2351	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr1	2.35E+08	2.35E+08	+	0	NA	intron (N	AluSx|SIN	11255	NR_002956	677802	Hs.744743	NR_002956	ENSG00000	SNORA14B	ACA14b	small nuc	snoRNA
chr11-433	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr11	43336134	43337823	+	0	NA	intron (N	AluYm1|SI	-21907	NM_001307	55761	Hs.191186	NM_018259	ENSG00000	TTC17	-	tetratric	protein-coding
chr11-614	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr11	61436304	61442016	+	0	NA	intron (N	MLT1J|LTR	9035	NM_017841	54949	Hs.313247	NM_017841	ENSG00000	SDHAF2	C11orf79|	succinate	protein-coding
chr15-682	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr15	68289850	68292166	+	0	NA	exon (NM_	exon (NM_	13263	NM_015322	10116	Hs.362733	NM_015322	ENSG00000	FEM1B	F1A-ALPHA	fem-1 hom	protein-coding
chr16-482	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr16	48259410	48264595	+	0	NA	intron (N	intron (N	-14463	NM_001370	85320	Hs.652267	NM_032583	ENSG00000	ABCC11	EWWD|MRP8	ATP bindi	protein-coding
chr16-896	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr16	89643664	89648440	+	0	NA	exon (NM_	exon (NM_	11656	NM_001083	5119	Hs.589427	NM_002768	ENSG00000	CHMP1A	CHMP1|PCH	charged m	protein-coding
chr17-136	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr17	1363013	1364876	+	0	NA	intron (N	MER20|DNA	36278	NM_006761	7531	Hs.513851	NM_006761	ENSG00000	YWHAE	14-3-3E|H	tyrosine	protein-coding
chr17-388	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr17	38845417	38853191	+	0	NA	3’ UTR (N	3’ UTR (N	2354	NR_145761	1.1E+08		NR_145761	ENSG00000	SNORA21B	-	small nuc	snoRNA
chr19-400	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr19	40007287	40016331	+	0	NA	intron (N	MLT1C|LTR	14749	NM_001297	339327	Hs.125008	NM_178544	ENSG00000	ZNF546	ZNF49	zinc fing	protein-coding
chr2-8531	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr2	85319480	85327457	+	0	NA	intron (N	AluSx1|SI	4521	NM_001206	10618	Hs.593382	NM_006464	ENSG00000	TGOLN2	TGN38|TGN	trans-gol	protein-coding
chr2-1772	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr2	1.77E+08	1.77E+08	+	0	NA	intron (N	intron (N	6608	NR_138470	220988	Hs.516539	NM_194247	ENSG00000	HNRNPA3	2610510D1	heterogen	protein-coding
chr2-2229	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr2	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	49197	NM_001354	2181	Hs.655772	NM_004457	ENSG00000	ACSL3	ACS3|FACL	acyl-CoA	protein-coding
chr20-390	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr20	3908079	3919362	+	0	NA	intron (N	L1MB7|LIN	-3774	NR_029519	406896		NR_029519	ENSG00000	MIR103A2	MIR103-2|	microRNA	ncRNA
chr3-1016	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr3	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	4153	NM_000986	6152	Hs.477028	NM_000986	ENSG00000	RPL24	HEL-S-310	ribosomal	protein-coding
chr5-1341	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	AluSq|SIN	12689	NM_170679	6500	Hs.171626	NM_006930	ENSG00000	SKP1	EMC19|OCP	S-phase k	protein-coding
chr6-2822	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr6	28227076	28235130	+	0	NA	intron (N	MER44B|DN	5828	NM_006299	7746	Hs.100921	NM_006299	ENSG00000	ZSCAN9	PRD51|ZNF	zinc fing	protein-coding
chr6-7565	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr6	75659481	75663443	+	0	NA	intron (N	L1PA11|LI	59582	NM_001100	26054	Hs.485784	NM_015571	ENSG00000	SENP6	SSP1|SUSP	SUMO spec	protein-coding
chr8-8354	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr8	8354229	8368756	+	0	NA	intron (N	HERVI-int	24752	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr9-1132	8.772509	-0.40216	0.709418	-0.56688	0.570795	0.676573	chr9	1.13E+08	1.13E+08	+	0	NA	intron (N	AluJb|SIN	15784	NM_139286	246184	Hs.727648	NM_139286	ENSG00000	CDC26	ANAPC12|A	cell divi	protein-coding
chr1-2077	8.745536	-0.40236	0.710807	-0.56606	0.571351	0.676573	chr1	2.08E+08	2.08E+08	+	0	NA	intron (N	THE1C|LTR	17138	NR_029832	407026		NR_029832	ENSG00000	MIR29C	MIRN29C|m	microRNA	ncRNA
chr11-119	8.745536	-0.40236	0.710807	-0.56606	0.571351	0.676573	chr11	1.19E+08	1.19E+08	+	0	NA	exon (NM_	exon (NM_	-2070	NM_002105	3014	Hs.477879	NM_002105	ENSG00000	H2AFX	H2A.X|H2A	H2A histo	protein-coding
chr4-5586	8.745536	-0.40236	0.710807	-0.56606	0.571351	0.676573	chr4	55868444	55869468	+	0	NA	intron (N	intron (N	15306	NM_178237	55763	Hs.269665	NM_018261	ENSG00000	EXOC1	BM-102|SE	exocyst c	protein-coding
chr8-8374	8.745536	-0.40236	0.710807	-0.56606	0.571351	0.676573	chr8	8374261	8384186	+	0	NA	intron (N	intron (N	7021	NM_001369	157285	Hs.583863	NM_001080	ENSG00000	PRAG1	NACK|PEAK	PEAK1 rel	protein-coding
chr1-1008	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr1	1.01E+08	1.01E+08	+	0	NA	intron (N	MLT1J|LTR	3673	NM_001144	148867	Hs.533903	NM_133496	ENSG00000	SLC30A7	ZNT7|ZnT-	solute ca	protein-coding
chr1-1490	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr1	1.49E+08	1.49E+08	+	0	NA	Intergeni	L1MC2|LIN	-14225	NM_001277	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF mem	protein-coding
chr11-130	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr11	1.31E+08	1.31E+08	+	0	NA	intron (N	intron (N	12900	NM_001301	399979	Hs.444024	NM_014758	ENSG00000	SNX19	CHET8	sorting r	protein-coding
chr12-346	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr12	346579	386553	+	0	NA	intron (N	intron (N	22754	NM_001042	5927	Hs.76272	NM_005056	ENSG00000	KDM5A	RBBP-2|RE	lysine de	protein-coding
chr14-673	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr14	67343227	67353951	+	0	NA	intron (N	AluSg|SIN	11215	NM_015994	51382	Hs.272630	NM_015994	ENSG00000	ATP6V1D	ATP6M|VAT	ATPase H+	protein-coding
chr2-1514	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr2	1.51E+08	1.51E+08	+	0	NA	intron (N	intron (N	60153	NM_001177	55183	Hs.536537	NM_018151	ENSG00000	RIF1	-	replicati	protein-coding
chr9-1101	8.757918	-0.39989	0.710806	-0.56259	0.573716	0.676573	chr9	1.1E+08	1.1E+08	+	0	NA	intron (N	intron (N	13233	NM_001136	445815	Hs.591908	NM_007203	ENSG00000	PALM2-AKA	AKAP-2|AK	PALM2-AKA	protein-coding
chr10-102	8.784891	-0.39967	0.712159	-0.5612	0.574659	0.676573	chr10	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSg|SIN	16862	NM_024541	79591	Hs.16004	NM_024541	ENSG00000	ARMH3	C10orf76	armadillo	protein-coding
chr10-924	8.276468	-0.41476	0.742961	-0.55826	0.576668	0.676573	chr10	92454766	92455156	+	0	NA	intron (N	intron (N	36300	NR_038243	1.01E+08	Hs.568772	NR_038243		MARK2P9	-	microtubu	pseudo
chr15-988	8.261877	-0.41228	0.740085	-0.55707	0.577478	0.676573	chr15	98829928	98832166	+	0	NA	intron (N	MSTB|LTR|	46621	NR_039864	1.01E+08		NR_039864	ENSG00000	MIR4714	-	microRNA	ncRNA
chr6-1391	8.261877	-0.41228	0.740085	-0.55707	0.577478	0.676573	chr6	1.39E+08	1.39E+08	+	0	NA	exon (NM_	exon (NM_	32191	NM_016217	51696	Hs.197644	NM_016217	ENSG00000	HECA	HDC|HDCL|	hdc homol	protein-coding
chr1-6696	8.770301	-0.39738	0.713563	-0.55689	0.577602	0.676573	chr1	66969986	66971824	+	0	NA	exon (NM_	exon (NM_	40649	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-EF	MIER1 tra	protein-coding
chr5-1604	8.770301	-0.39738	0.713563	-0.55689	0.577602	0.676573	chr5	1.6E+08	1.6E+08	+	0	NA	intron (N	L1ME4c|LI	6816	NM_001364	10569	Hs.435342	NM_006425	ENSG00000	SLU7	9G8|hSlu7	SLU7 homo	protein-coding
chr1-5240	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr1	52405438	52420776	+	0	NA	intron (N	MIRb|SINE	8505	NM_032864	84950	Hs.5301	NM_032284	ENSG00000	PRPF38A	PRP38A|Pr	pre-mRNA	protein-coding
chr11-831	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr11	83189145	83192887	+	0	NA	TTS (NR_1	TTS (NR_1	2653	NR_149008	1.01E+08	Hs.585502	NM_018705		LOC100506	-	uncharact	ncRNA
chr14-498	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr14	49893565	49896697	+	0	NA	3’ UTR (N	3’ UTR (N	2049	NM_001663	382	Hs.525330	NM_001663	ENSG00000	ARF6	-	ADP ribos	protein-coding
chr17-517	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr17	5174715	5177762	+	0	NA	Intergeni	AluSp|SIN	15630	NM_032530	84622	Hs.658402	NM_032530	ENSG00000	ZNF594	-	zinc fing	protein-coding
chr17-471	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr17	47126912	47130812	+	0	NA	intron (N	AluSx1|SI	60433	NM_001256	996	Hs.463295	NM_001256	ENSG00000	CDC27	ANAPC3|AF	cell divi	protein-coding
chr17-579	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr17	57975948	57983342	+	0	NA	intron (N	intron (N	8609	NM_001330	7716	Hs.463569	NM_007146	ENSG00000	VEZF1	DB1|ZNF16	vascular	protein-coding
chr2-6186	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr2	61866205	61869799	+	0	NA	TTS (NM_0	TTS (NM_0	-13942	NM_001201	84140	Hs.440466	NM_032180	ENSG00000	FAM161A	RP28	FAM161 ce	protein-coding
chr2-1620	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr2	1.62E+08	1.62E+08	+	0	NA	intron (N	intron (N	42484	NM_001935	1803	Hs.368912	NM_001935	ENSG00000	DPP4	ADABP|ADC	dipeptidy	protein-coding
chr2-2070	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr2	2.07E+08	2.07E+08	+	0	NA	non-codin	non-codin	29539	NR_036227	1E+08		NR_036227	ENSG00000	MIR2355	mir-2355	microRNA	ncRNA
chr20-441	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr20	44196683	44203462	+	0	NA	intron (N	intron (N	10699	NM_016470	51526	Hs.75798	NM_016470	ENSG00000	OSER1	C20orf111	oxidative	protein-coding
chr22-451	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr22	45166319	45174507	+	0	NA	intron (N	intron (N	5742	NM_153645	10762	Hs.475103	NM_007172	ENSG00000	NUP50	NPAP60|NF	nucleopor	protein-coding
chr4-6679	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr4	66799	74898	+	0	NA	intron (N	L1MA3|LIN	17527	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr4-1356	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr4	13569920	13570708	+	0	NA	intron (N	intron (N	-22490	NR_015450	285548	Hs.529284	NR_015450		LINC01096	-	long inte	ncRNA
chr4-1186	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr4	1.19E+08	1.19E+08	+	0	NA	non-codin	non-codin	3312	NR_103825	729218	Hs.448518	NR_103825		LOC729218	-	uncharact	pseudo
chr4-1186	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	intron (N	4972	NM_020961	57721	Hs.596872	NM_020961	ENSG00000	METTL14	hMETTL14	methyltra	protein-coding
chr6-3140	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr6	31409740	31418199	+	0	NA	intron (N	intron (N	10374	NM_000247	1.01E+08	Hs.130838	NM_000247	ENSG00000	MICA	MIC-A|PEF	MHC class	protein-coding
chr6-1079	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr6	1.08E+08	1.08E+08	+	0	NA	intron (N	Tigger1|D	38842	NM_007214	11231	Hs.26904	NM_007214	ENSG00000	SEC63	DNAJC23|F	SEC63 hom	protein-coding
chr7-5609	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr7	56098589	56104920	+	0	NA	3’ UTR (N	3’ UTR (N	4722	NM_016139	51142	Hs.389996	NM_016139	ENSG00000	CHCHD2	C7orf17|M	coiled-co	protein-coding
chr7-1287	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr7	1.29E+08	1.29E+08	+	0	NA	intron (N	intron (N	9798	NM_001199	813	Hs.7753	NM_001219	ENSG00000	CALU	-	calumenin	protein-coding
chr9-5760	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr9	5760155	5782525	+	0	NA	intron (N	L1MB1|LIN	61777	NM_024896	79956	Hs.591078	NM_024896	ENSG00000	ERMP1	FXNA|KIAA	endoplasm	protein-coding
chr9-9224	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr9	92246706	92265465	+	0	NA	intron (N	MIRb|SINE	36462	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr9-1135	8.27426	-0.4096	0.738605	-0.55456	0.579193	0.676573	chr9	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	2682	NM_001276	5998	Hs.494875	NM_017790	ENSG00000	RGS3	C2PA|RGP3	regulator	protein-coding
chr15-589	8.247287	-0.40984	0.740118	-0.55375	0.579751	0.676573	chr15	58926238	58930557	+	0	NA	intron (N	intron (N	5282	NR_135042	79811	Hs.512932	NM_017968	ENSG00000	SLTM	Met	SAFB like	protein-coding
chr6-1349	8.247287	-0.40984	0.740118	-0.55375	0.579751	0.676573	chr6	1.35E+08	1.35E+08	+	0	NA	intron (N	intron (N	-4009	NR_037435	1.01E+08		NR_037435	ENSG00000	MIR3662	mir-3662	microRNA	ncRNA
chr15-433	10.98575	-0.32092	0.582092	-0.55132	0.581412	0.676573	chr15	43356407	43370005	+	0	NA	intron (N	AluSp|SIN	6854	NM_152455	146050	Hs.418287	NM_152455	ENSG00000	ZSCAN29	ZNF690|Zf	zinc fing	protein-coding
chr16-330	10.98575	-0.32092	0.582092	-0.55132	0.581412	0.676573	chr16	3306462	3320243	+	0	NA	intron (N	intron (N	7140	NM_001324	7627	Hs.513292	NM_153028	ENSG00000	ZNF75A	-	zinc fing	protein-coding
chr1-1836	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr1	183667	191803	+	0	NA	TTS (NR_1	TTS (NR_1	223	NR_128720	1.04E+08		NR_128720	ENSG00000	MIR6859-4	hsa-mir-6	microRNA	ncRNA
chr1-2074	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr1	20741631	20777024	+	0	NA	intron (N	AluSp|SIN	-26624	NM_001103	400745	Hs.591522	NM_001103	ENSG00000	SH2D5	-	SH2 domai	protein-coding
chr1-3332	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr1	33328583	33336889	+	0	NA	promoter-	promoter-	-244	NR_037400	1.01E+08		NR_037400	ENSG00000	MIR3605	mir-3605	microRNA	ncRNA
chr1-9283	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr1	92832668	92846020	+	0	NA	intron (N	AluSx|SIN	-1375	NR_002444	26782	Hs.180946	NR_002444	ENSG00000	SNORA66	RNU66|U66	small nuc	snoRNA
chr1-1806	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr1	1.81E+08	1.81E+08	+	0	NA	intron (N	L1PA4|LIN	51379	NM_004736	9213	Hs.227656	NM_004736	ENSG00000	XPR1	IBGC6|SLC	xenotropi	protein-coding
chr10-285	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr10	28589137	28592673	+	0	NA	intron (N	intron (N	57787	NM_016628	51322	Hs.743224	NM_016628	ENSG00000	WAC	BM-016|DE	WW domain	protein-coding
chr10-793	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr10	79348908	79357700	+	0	NA	intron (N	intron (N	5835	NM_005729	10105	Hs.381072	NM_005729	ENSG00000	PPIF	CYP3|CyP-	peptidylp	protein-coding
chr10-974	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr10	97471738	97475089	+	0	NA	intron (N	HAL1|LINE	25009	NM_022362	64210	Hs.500721	NM_022362	ENSG00000	MMS19	CIAO4|MET	MMS19 hom	protein-coding
chr11-119	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr11	11999195	12003385	+	0	NA	intron (N	L4_C_Mam|	7349	NM_001018	27122	Hs.292156	NM_013253	ENSG00000	DKK3	REIC|RIG	dickkopf	protein-coding
chr11-614	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr11	61402616	61429253	+	0	NA	intron (N	intron (N	13977	NM_024811	79869	Hs.718984	NM_024811	ENSG00000	CPSF7	CFIm59	cleavage	protein-coding
chr11-625	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr11	62514584	62539612	+	0	NA	exon (NM_	exon (NM_	18566	NM_001346	79026	Hs.502756	NM_001620	ENSG00000	AHNAK	AHNAKRS|F	AHNAK nuc	protein-coding
chr11-658	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr11	65850032	65857551	+	0	NA	TTS (NM_1	TTS (NM_1	4389	NM_005507	1072	Hs.170622	NM_005507	ENSG00000	CFL1	CFL|HEL-S	cofilin 1	protein-coding
chr11-118	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr11	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSz6|SI	23086	NM_001257	1656	Hs.408461	NM_004397	ENSG00000	DDX6	HLR2|P54|	DEAD-box	protein-coding
chr12-695	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr12	69586316	69603933	+	0	NA	intron (N	intron (N	9235	NM_001198	10576	Hs.189772	NM_006431	ENSG00000	CCT2	99D8.1|CC	chaperoni	protein-coding
chr12-121	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr12	1.22E+08	1.22E+08	+	0	NA	intron (N	AluY|SINE	48929	NM_144668	144406	Hs.709837	NM_144668	ENSG00000	WDR66	CFAP251|C	WD repeat	protein-coding
chr12-123	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr12	1.24E+08	1.24E+08	+	0	NA	intron (N	AluSx|SIN	6421	NM_001321	10959	Hs.733403	NM_006815	ENSG00000	TMED2	P24A|RNP2	transmemb	protein-coding
chr12-132	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	HAL1|LINE	27031	NM_018223	55743	Hs.720197	NM_018223	ENSG00000	CHFR	RNF116|RN	checkpoin	protein-coding
chr13-200	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr13	20002749	20016637	+	0	NA	intron (N	L1MB4|LIN	49879	NR_148365	7750	Hs.507433	NM_003453	ENSG00000	ZMYM2	FIM|MYM|F	zinc fing	protein-coding
chr13-200	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr13	20070314	20072629	+	0	NA	intron (N	MER51C|LT	-31230	NR_126380	1.04E+08	Hs.578016	NR_126380	ENSG00000	LINC01072	-	long inte	ncRNA
chr13-331	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr13	33103329	33106780	+	0	NA	3’ UTR (N	3’ UTR (N	81037	NM_178007	90627	Hs.156551	NM_052851	ENSG00000	STARD13	ARHGAP37|	StAR rela	protein-coding
chr13-410	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr13	41068550	41082264	+	0	NA	intron (N	AluJr|SIN	13898	NM_007187	11193	Hs.411300	NM_007187	ENSG00000	WBP4	FBP21	WW domain	protein-coding
chr14-229	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	22920291	22925785	+	0	NA	non-codin	non-codin	3582	NR_120599	1.01E+08	Hs.655707	NR_120599	ENSG00000	PRMT5-AS1	-	PRMT5 ant	ncRNA
chr14-345	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	34562757	34610254	+	0	NA	intron (N	AluSx|SIN	-30116	NR_004408	26869		NR_004408	ENSG00000	RNU1-3	HSD4|RNU1	RNA, U1 s	snRNA
chr14-390	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	39068373	39078526	+	0	NA	intron (N	AluSx|SIN	-29691	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr14-528	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	52855969	52862332	+	0	NA	TTS (NM_0	TTS (NM_0	-67543	NM_198066	64841	Hs.478025	NM_198066	ENSG00000	GNPNAT1	GNA1|GNPN	glucosami	protein-coding
chr14-650	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	65085393	65096097	+	0	NA	intron (N	AluJb|SIN	827	NR_045122	1.01E+08	Hs.711267	NR_045122	ENSG00000	LOC100506	-	uncharact	ncRNA
chr14-914	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr14	91455623	91481579	+	0	NA	intron (N	AluSg|SIN	41103	NM_001366	55671	Hs.533887	NM_017936	ENSG00000	PPP4R3A	FLFL1|KIA	protein p	protein-coding
chr15-489	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr15	48995080	49017554	+	0	NA	intron (N	L1PA7|LIN	40129	NM_014701	9728	Hs.9997	NM_014701	ENSG00000	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr15-643	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr15	64398305	64407950	+	0	NA	intron (N	AluY|SINE	15291	NM_016213	9325	Hs.500340	NM_016213	ENSG00000	TRIP4	ASC-1|ASC	thyroid h	protein-coding
chr15-721	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr15	72198006	72226262	+	0	NA	intron (N	intron (N	-14347	NM_001012	196996	Hs.596332	NM_001012	ENSG00000	GRAMD2A	GRAMD2	GRAM doma	protein-coding
chr15-727	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr15	72765231	72775806	+	0	NA	intron (N	intron (N	-12317	NR_040107	1E+08	Hs.562587	NR_040107	ENSG00000	ADPGK-AS1	-	ADPGK ant	ncRNA
chr16-224	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	22455021	22464726	+	0	NA	intron (N	AluJr|SIN	-22158	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr16-287	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	28712807	28721927	+	0	NA	intron (N	L1M4|LINE	5947	NM_001317	728689	Hs.567374	NM_001099	ENSG00000	EIF3CL	-	eukaryoti	protein-coding
chr16-306	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	30653082	30656853	+	0	NA	exon (NM_	exon (NM_	-3464	NM_001105	64319	Hs.247186	NM_022452	ENSG00000	FBRS	FBS|FBS1	fibrosin	protein-coding
chr16-311	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	31180796	31198414	+	0	NA	intron (N	intron (N	9495	NM_004960	2521	Hs.46894	NM_004960	ENSG00000	FUS	ALS6|ETM4	FUS RNA b	protein-coding
chr16-571	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	57197946	57235666	+	0	NA	intron (N	intron (N	-28453	NM_012106	23568	Hs.632873	NM_012106	ENSG00000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr16-693	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	69340961	69343177	+	0	NA	3’ UTR (N	3’ UTR (N	2297	NM_016101	51388	Hs.585728	NM_016101	ENSG00000	NIP7	CGI-37|HS	nucleolar	protein-coding
chr16-705	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr16	70541046	70551869	+	0	NA	intron (N	AluSq|SIN	8452	NR_003079	692214		NR_003079	ENSG00000	SNORD111	HBII-82	small nuc	snoRNA
chr17-658	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	6580848	6590235	+	0	NA	intron (N	HAL1|LINE	-28986	NM_031220	83394	Hs.183983	NM_031220	ENSG00000	PITPNM3	ACKR6|COF	PITPNM fa	protein-coding
chr17-160	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	16029165	16030811	+	0	NA	TTS (NM_0	TTS (NM_0	30164	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr17-273	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	27304720	27317728	+	0	NA	intron (N	intron (N	17110	NM_015626	26118	Hs.446017	NM_015626	ENSG00000	WSB1	SWIP1|WSE	WD repeat	protein-coding
chr17-419	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	41967858	42004025	+	0	NA	intron (N	intron (N	18144	NM_001330	1267	Hs.273621	NM_033133	ENSG00000	CNP	CNP1	2’,3’-cyc	protein-coding
chr17-596	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	59671931	59701310	+	0	NA	intron (N	intron (N	20978	NM_016077	51651	Hs.12677	NM_016077	ENSG00000	PTRH2	BIT1|CFAF	peptidyl-	protein-coding
chr17-680	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr17	68037737	68048008	+	0	NA	intron (N	AluYh3|SI	6912	NM_001320	3838	Hs.594238	NM_002266	ENSG00000	KPNA2	IPOA1|QIP	karyopher	protein-coding
chr18-593	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr18	59326575	59357221	+	0	NA	intron (N	L1PB4|LIN	17367	NM_005570	3998	Hs.465295	NM_005570	ENSG00000	LMAN1	ERGIC-53|	lectin, m	protein-coding
chr19-137	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	13751319	13764268	+	0	NA	exon (NM_	exon (NM_	-6729	NR_138051	84245	Hs.439370	NM_032285	ENSG00000	MRI1	M1Pi|MRDI	methylthi	protein-coding
chr19-412	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	41226913	41260719	+	0	NA	intron (N	intron (N	17061	NM_001278	558	Hs.590970	NM_001699	ENSG00000	AXL	ARK|JTK11	AXL recep	protein-coding
chr19-442	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	44214393	44238522	+	0	NA	intron (N	L1P1|LINE	13925	NM_182490	7770	Hs.298089	NM_182490	ENSG00000	ZNF227	-	zinc fing	protein-coding
chr19-442	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	44294931	44300552	+	0	NA	intron (N	AluSp|SIN	7284	NM_004234	9310	Hs.613424	NM_004234	ENSG00000	ZNF235	ANF270|HZ	zinc fing	protein-coding
chr19-531	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	53140035	53157151	+	0	NA	intron (N	intron (N	10460	NM_001172	84671	Hs.467239	NM_032584	ENSG00000	ZNF347	ZNF1111	zinc fing	protein-coding
chr19-573	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr19	57352681	57360782	+	0	NA	exon (NM_	exon (NM_	5457	NM_020657	57343	Hs.287374	NM_020657	ENSG00000	ZNF304	-	zinc fing	protein-coding
chr2-3327	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr2	33276349	33278555	+	0	NA	intron (N	MIRb|SINE	-141064	NR_039628	1.01E+08		NR_039628	ENSG00000	MIR4430	-	microRNA	ncRNA
chr2-1137	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	10241	NM_001330	80255	Hs.355655	NM_025181	ENSG00000	SLC35F5	-	solute ca	protein-coding
chr2-2267	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr2	2.27E+08	2.27E+08	+	0	NA	intron (N	intron (N	33447	NM_005544	3667	Hs.471508	NM_005544	ENSG00000	IRS1	HIRS-1	insulin r	protein-coding

chr2-2304	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr2	2.3E+08	2.3E+08	+	0	NA	intron (N	intron (N	49764	NM_001206	6672	Hs.369056	NM_003113	ENSG00000	SP100	lysp100b	SP100 nuc	protein-coding
chr20-393	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr20	3930758	3952208	+	0	NA	intron (N	L1MDa|LIN	-23920	NR_031722	1E+08		NR_031722	ENSG00000	MIR103B2	MIR103-2-	microRNA	ncRNA
chr20-458	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr20	45801128	45811858	+	0	NA	intron (N	Charlie23	-6083	NM_001281	11065	Hs.93002	NM_007019	ENSG00000	UBE2C	UBCH10|dJ	ubiquitin	protein-coding
chr20-509	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr20	50933630	50952212	+	0	NA	intron (N	AluSz|SIN	-11484	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr21-348	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr21	34824199	34835456	+	0	NA	intron (N	intron (N	58872	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr21-466	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr21	46640454	46657179	+	0	NA	intron (N	CpG	13142	NM_206962	3275	Hs.154163	NM_001535	ENSG00000	PRMT2	HRMT1L1	protein a	protein-coding
chr22-428	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr22	42821193	42841594	+	0	NA	intron (N	FLAM_C|SI	25880	NM_001142	26286	Hs.685225	NM_014570	ENSG00000	ARFGAP3	ARFGAP1	ADP ribos	protein-coding
chr3-5258	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr3	52588697	52589407	+	0	NA	intron (N	intron (N	52447	NM_001124	440957	Hs.660577	NM_001124	ENSG00000	SMIM4	C3orf78	small int	protein-coding
chr3-1194	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr3	1.19E+08	1.19E+08	+	0	NA	intron (N	L2c|LINE|	15650	NM_018266	55254	Hs.594171	NM_018266	ENSG00000	TMEM39A	-	transmemb	protein-coding
chr3-1944	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	L1MC5a|LI	23236	NM_024524	79572	Hs.529609	NM_024524	ENSG00000	ATP13A3	AFURS1	ATPase 13	protein-coding
chr4-8926	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr4	89264	89478	+	0	NA	Intergeni	Intergeni	-35105	NR_110529	255403	Hs.636638	NM_001039	ENSG00000	ZNF718	-	zinc fing	protein-coding
chr4-1759	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr4	17598425	17599257	+	0	NA	intron (N	AluSx|SIN	-15800	NM_025205	80306	Hs.731966	NM_025205	ENSG00000	MED28	1500003D1	mediator	protein-coding
chr4-7564	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr4	75643757	75658964	+	0	NA	intron (N	intron (N	-20832	NM_003948	8999	Hs.591698	NM_003948	ENSG00000	CDKL2	KKIAMRE|F	cyclin de	protein-coding
chr5-1727	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	17274330	17277837	+	0	NA	3’ UTR (N	3’ UTR (N	58452	NM_006317	10409	Hs.201641	NM_006317	ENSG00000	BASP1	CAP-23|CA	brain abu	protein-coding
chr5-7007	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	70077489	70081241	+	0	NA	Intergeni	AluSx|SIN	29842	NM_022874	6606	Hs.535788	NM_000344	ENSG00000	SMN1	BCD541|GE	survival	protein-coding
chr5-1339	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	intron (N	5755	NR_134247	1.05E+08	Hs.543907	NR_134247		LOC105379	-	uncharact	ncRNA
chr5-1343	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.34E+08	1.34E+08	+	0	NA	intron (N	FLAM_A|SI	10436	NM_003337	7320	Hs.612096	NM_003337	ENSG00000	UBE2B	E2-17kDa|	ubiquitin	protein-coding
chr5-1347	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSg|SIN	27971	NM_001300	9879	Hs.406549	NM_014829	ENSG00000	DDX46	PRPF5|Prp	DEAD-box	protein-coding
chr5-1383	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.38E+08	1.38E+08	+	0	NA	intron (N	MIR|SINE|	-6289	NM_001364	995	Hs.656	NM_001790	ENSG00000	CDC25C	CDC25|PPP	cell divi	protein-coding
chr5-1385	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	L1MB3|LIN	27692	NM_001291	2107	Hs.483494	NM_004730	ENSG00000	ETF1	D5S1995|E	eukaryoti	protein-coding
chr5-1405	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.41E+08	1.41E+08	+	0	NA	intron (N	AluJr|SIN	-32836	NM_003732	8637	Hs.594084	NM_003732	ENSG00000	EIF4EBP3	4E-BP3|4E	eukaryoti	protein-coding
chr5-1684	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.68E+08	1.69E+08	+	0	NA	intron (N	intron (N	14916	NM_002887	5917	Hs.654907	NM_002887	ENSG00000	RARS	ArgRS|DAL	arginyl-t	protein-coding
chr5-1713	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.71E+08	1.71E+08	+	0	NA	intron (N	L1MB8|LIN	10484	NM_001355	4869	Hs.557550	NM_002520	ENSG00000	NPM1	B23|NPM	nucleopho	protein-coding
chr5-1733	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr5	1.73E+08	1.73E+08	+	0	NA	intron (N	intron (N	7385	NM_003714	8614	Hs.233160	NM_003714	ENSG00000	STC2	STC-2|STC	stannioca	protein-coding
chr6-4354	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr6	43549073	43561156	+	0	NA	intron (N	AluSp|SIN	20924	NM_020750	57510	Hs.203206	NM_020750	ENSG00000	XPO5	exp5	exportin	protein-coding
chr6-1596	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr6	1.6E+08	1.6E+08	+	0	NA	3’ UTR (N	3’ UTR (N	910	NM_001322	6648	Hs.487046	NM_000636	ENSG00000	SOD2	IPO-B|IPC	superoxid	protein-coding
chr7-6397	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr7	6397508	6435503	+	0	NA	intron (N	AluSx1|SI	31449	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr7-4479	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr7	44797500	44804328	+	0	NA	intron (N	AluY|SINE	4233	NM_001300	5478	Hs.356331	NM_021130	ENSG00000	PPIA	CYPA|CYPH	peptidylp	protein-coding
chr7-1023	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr7	1.02E+08	1.02E+08	+	0	NA	intron (N	AluSz|SIN	12796	NM_001347	1E+08	Hs.406395	NM_001242713		LOC100289	-	uncharact	protein-coding
chr8-3884	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr8	38840318	38848860	+	0	NA	intron (N	L1ME4b|LI	39139	NM_001352	6867	Hs.279245	NM_006283	ENSG00000	TACC1	Ga55	transform	protein-coding
chr8-1006	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr8	1.01E+08	1.01E+08	+	0	NA	intron (N	intron (N	-3150	NR_106992	1.02E+08		NR_106992	ENSG00000	MIR7705	hsa-mir-7	microRNA	ncRNA
chr8-1023	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr8	1.02E+08	1.02E+08	+	0	NA	intron (N	L1PA3|LIN	83500	NR_125415	1.02E+08	Hs.492445	NR_125415	ENSG00000	UBR5-AS1	-	UBR5 anti	ncRNA
chr9-8772	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr9	87727243	87731953	+	0	NA	exon (NM_	exon (NM_	3479	NM_145918	1514	Hs.731507	NM_001912	ENSG00000	CTSL	CATL|CTSL	cathepsin	protein-coding
chr9-9681	8.25967	-0.40717	0.73864	-0.55124	0.581467	0.676573	chr9	96815600	96828782	+	0	NA	intron (N	intron (N	32323	NM_001346	158431	Hs.30567	NM_001001	ENSG00000	ZNF782	-	zinc fing	protein-coding
chr13-369	8.716355	-0.3977	0.721662	-0.55109	0.581575	0.676573	chr13	36984463	36984757	+	0	NA	intron (N	HAL1b|LIN	14730	NM_013338	29880	Hs.507769	NM_013338	ENSG00000	ALG5	bA421P11.	ALG5 doli	protein-coding
chr13-114	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr13	1.14E+08	1.14E+08	+	0	NA	intron (N	CpG	7059	NM_001320	22821	Hs.593075	NM_007368	ENSG00000	RASA3	GAP1IP4BP	RAS p21 p	protein-coding
chr15-503	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr15	50307407	50308487	+	0	NA	intron (N	L1ME3B|LI	-42221	NM_002112	3067	Hs.1481	NM_002112	ENSG00000	HDC	-	histidine	protein-coding
chr2-1135	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	intron (N	4354	NR_024005	84771	Hs.712940	NR_024004		DDX11L2	-	DEAD/H-bo	pseudo
chr2-1909	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr2	1.91E+08	1.91E+08	+	0	NA	intron (N	intron (N	47045	NM_014905	2744	Hs.116448	NM_014905	ENSG00000	GLS	AAD20|CAS	glutamina	protein-coding
chr3-1413	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr3	1.41E+08	1.41E+08	+	0	NA	5’ UTR (N	5’ UTR (N	-4965	NM_001350	253461	Hs.518301	NM_152535	ENSG00000	ZBTB38	CIBZ|PPP1	zinc fing	protein-coding
chr3-1944	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr3	1.94E+08	1.94E+08	+	0	NA	intron (N	AluYb8|SI	-34187	NM_004488	2814	Hs.73734	NM_004488	ENSG00000	GP5	CD42d|GPV	glycoprot	protein-coding
chr4-5202	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr4	52027838	52029843	+	0	NA	exon (NM_	exon (NM_	-8477	NM_001024	339977	Hs.661450	NM_001024	ENSG00000	LRRC66	-	leucine r	protein-coding
chr6-3033	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr6	30335356	30338739	+	0	NA	intron (N	Tigger1|D	7736	NM_001199	202658	Hs.413493	NM_001199	ENSG00000	TRIM39-RP	TRIM39R	TRIM39-RP	protein-coding
chr7-1392	8.286643	-0.40693	0.740207	-0.54975	0.582488	0.676573	chr7	1.39E+08	1.39E+08	+	0	NA	intron (N	MIR3|SINE	7100	NM_173569	254048	Hs.153458	NM_173569	ENSG00000	UBN2	-	ubinuclei	protein-coding
chr2-3700	8.232697	-0.40739	0.743061	-0.54826	0.583511	0.676573	chr2	37002087	37002545	+	0	NA	exon (NM_	exon (NM_	-35780	NM_003162	6801	Hs.127486	NM_003162	ENSG00000	STRN	PPP2R6A|S	striatin	protein-coding
chr1-2673	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr1	26731251	26733459	+	0	NA	intron (N	MARNA|DNA	36340	NM_006015	8289	Hs.468972	NM_006015	ENSG00000	ARID1A	B120|BAF2	AT-rich i	protein-coding
chr1-3562	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr1	35628993	35636825	+	0	NA	intron (N	AluJb|SIN	-1372	NM_001199	5690	Hs.471441	NM_002794	ENSG00000	PSMB2	HC7-I	proteasom	protein-coding
chr1-6656	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr1	66565780	66568060	+	0	NA	intron (N	L1PA8|LIN	32767	NM_032291	84251	Hs.132121	NM_032291	ENSG00000	SGIP1	-	SH3 domai	protein-coding
chr1-1680	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr1	1.68E+08	1.68E+08	+	0	NA	non-codin	non-codin	60818	NM_001267	23432	Hs.271809	NM_007369	ENSG00000	GPR161	RE2	G protein	protein-coding
chr1-2255	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr1	2.26E+08	2.26E+08	+	0	NA	intron (N	intron (N	-88210	NM_194442	3930	Hs.435166	NM_002296	ENSG00000	LBR	C14SR|DHC	lamin B r	protein-coding
chr10-315	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr10	3157077	3170783	+	0	NA	intron (N	intron (N	8786	NM_001347	10531	Hs.528300	NM_014889	ENSG00000	PITRM1	MP1|PreP	pitrilysi	protein-coding
chr10-314	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr10	31461015	31465996	+	0	NA	intron (N	intron (N	-63750	NM_001368	1.01E+08	Hs.730227	NM_001368169		LOC100505	-	putative	protein-coding
chr14-306	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr14	30641628	30646414	+	0	NA	intron (N	L1PA15|LI	21702	NM_016106	23256	Hs.369168	NM_016106	ENSG00000	SCFD1	C14orf163	sec1 fami	protein-coding
chr16-294	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr16	29403193	29403903	+	0	NA	intron (N	intron (N	997	NM_001310	728888	Hs.720286	NM_001310	ENSG00000	NPIPB11	NPIP	nuclear p	protein-coding
chr16-294	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr16	29462372	29464510	+	0	NA	exon (NM_	exon (NM_	3555	NM_001017	445329	Hs.460558	NM_001017	ENSG00000	SULT1A4	HAST3|M-P	sulfotran	protein-coding
chr17-625	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr17	62573213	62574800	+	0	NA	intron (N	intron (N	-53664	NM_006039	9902	Hs.7835	NM_006039	ENSG00000	MRC2	CD280|CLE	mannose r	protein-coding
chr2-1213	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr2	1.21E+08	1.21E+08	+	0	NA	intron (N	AluSx|SIN	-99438	NM_014553	29842	Hs.156471	NM_014553	ENSG00000	TFCP2L1	CRTR1|LBP	transcrip	protein-coding
chr2-1698	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr2	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSx|SIN	2209	NM_001294	6741	Hs.632535	NM_003142	ENSG00000	SSB	LARP3|La|	small RNA	protein-coding
chr2-2350	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr2	2.35E+08	2.35E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26266	NM_001371306								
chr21-371	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr21	37123359	37130057	+	0	NA	intron (N	MLT1A0|LT	43761	NM_003316	7267	Hs.368214	NM_003316	ENSG00000	TTC3	DCRR1|RNF	tetratric	protein-coding
chr3-7097	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr3	70974231	70978859	+	0	NA	intron (N	intron (N	88379	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSP	forkhead	protein-coding
chr3-1856	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr3	1.86E+08	1.86E+08	+	0	NA	intron (N	L2b|LINE|	-28514	NR_126326	646600	Hs.647949	NR_027317	ENSG00000	IGF2BP2-A	C3orf65	IGF2BP2 a	ncRNA
chr6-1328	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr6	1.33E+08	1.33E+08	+	0	NA	TTS (NR_0	TTS (NR_0	216	NR_002436	594839	Hs.671378	NR_002436	ENSG00000	SNORA33	ACA33	small nuc	snoRNA
chr7-1308	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr7	1.31E+08	1.31E+08	+	0	NA	Intergeni	L1MA4|LIN	17059	NR_029503	407021		NR_029503	ENSG00000	MIR29A	MIRN29|MI	microRNA	ncRNA
chr9-1243	8.272052	-0.40449	0.740245	-0.54643	0.584772	0.676573	chr9	1.24E+08	1.24E+08	+	0	NA	intron (N	intron (N	15943	NM_001166	10783	Hs.197071	NM_014397	ENSG00000	NEK6	SID6-1512	NIMA rela	protein-coding
chr1-1611	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chr1	1.61E+08	1.61E+08	+	0	NA	intron (N	AluJb|SIN	3996	NM_001039	9191	Hs.744092	NM_004216	ENSG00000	DEDD	CASP8IP1|	death eff	protein-coding
chr10-780	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chr10	78035358	78043778	+	0	NA	intron (N	intron (N	5705	NM_001142	6229	Hs.280130	NM_001026	ENSG00000	RPS24	DBA3|S24|	ribosomal	protein-coding
chr13-793	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chr13	79375389	79378608	+	0	NA	intron (N	MER68|LTR	29223	NM_001286	64062	Hs.558528	NM_018605	ENSG00000	RBM26	ARRS2|C13	RNA bindi	protein-coding
chr16-139	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chr16	13933268	13936056	+	0	NA	intron (N	intron (N	14505	NM_005236	2072	Hs.567265	NM_005236	ENSG00000	ERCC4	ERCC11|FA	ERCC exci	protein-coding
chr8-3047	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chr8	30477014	30480439	+	0	NA	intron (N	AluSc|SIN	-93325	NR_046205	1E+08	Hs.126813	NR_046205	ENSG00000	RBPMS-AS1	-	RBPMS ant	ncRNA
chrX-7227	8.245079	-0.40471	0.741571	-0.54575	0.585237	0.676573	chrX	72270109	72276990	+	0	NA	intron (N	intron (N	3699	NM_001007	6191	Hs.118076	NM_001007	ENSG00000	RPS4X	CCG2|DXS3	ribosomal	protein-coding
chr16-150	8.257462	-0.40201	0.743194	-0.54092	0.588565	0.680212	chr16	15089323	15093283	+	0	NA	intron (N	intron (N	3032	NM_001301	54700	Hs.460078	NM_018427	ENSG00000	RRN3	A-270G1.2	RRN3 homo	protein-coding
chr6-1327	8.269845	-0.39921	0.748023	-0.53369	0.593558	0.685772	chr6	1.33E+08	1.33E+08	+	0	NA	intron (N	AluYh3|SI	2404	NM_052831	116843	Hs.347144	NM_052831	ENSG00000	SLC18B1	C6orf192|	solute ca	protein-coding
chr1-3143	23.54552	0.163891	0.309901	0.528848	0.596911	0.689434	chr1	31431783	31431999	+	0	NA	intron (N	(GATAGGGT	18078	NM_018565	347735	Hs.270655	NM_018565	ENSG00000	SERINC2	FKSG84|PR	serine in	protein-coding
chr16-224	10.49989	-0.32087	0.608816	-0.52703	0.59817	0.690464	chr16	22482455	22487123	+	0	NA	non-codin	non-codin	-19660	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-765	10.49989	-0.32087	0.608816	-0.52703	0.59817	0.690464	chr17	76563932	76564766	+	0	NA	non-codin	non-codin	2716	NR_004395	677848		NR_004395	ENSG00000	SNORD1A	R38A|snR3	small nuc	snoRNA
chr17-432	16.14573	0.210076	0.400348	0.524733	0.599769	0.692098	chr17	43281421	43283054	+	0	NA	Intergeni	ERV3-16A3	2092	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr5-6989	10.44594	-0.32107	0.612769	-0.52397	0.600302	0.692326	chr5	69895560	69895938	+	0	NA	intron (N	MER3|DNA|	5821	NR_160659	1.03E+08	Hs.711155	NR_160659		LOC102724	-	POM121 tr	pseudo
chr19-574	8.282227	-0.39627	0.756352	-0.52392	0.600335	0.692326	chr19	57469837	57470241	+	0	NA	3’ UTR (N	3’ UTR (N	7527	NM_001330	400720	Hs.388810	NM_001024	ENSG00000	ZNF772	-	zinc fing	protein-coding
chr11-519	10.47071	-0.31748	0.61089	-0.5197	0.603275	0.695504	chr11	51951214	51951779	+	0	NA	Intergeni	ALR/Alpha	1542349	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr18-213	8.201308	-0.39669	0.770229	-0.51503	0.606529	0.69904	chr18	213704	213918	+	0	NA	TTS (NM_0	TTS (NM_0	54236	NM_005131	9984	Hs.712543	NM_005131	ENSG00000	THOC1	HPR1|P84|	THO compl	protein-coding
chr5-7120	10.01623	-0.32465	0.639894	-0.50735	0.611909	0.705026	chr5	71207661	71208067	+	0	NA	intron (N	intron (N	267	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr1-1494	10.00164	-0.32277	0.637203	-0.50654	0.612481	0.705469	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	42202	NM_001364	1.01E+08		NM_001364	ENSG00000	NOTCH2NLC	N2N|NOTCH	notch 2 N	protein-coding
chr9-7027	9.987049	-0.32091	0.636453	-0.50422	0.614104	0.707097	chr9	70278413	70285708	+	0	NA	intron (N	(TTTTTC)n	23082	NM_015110	23137	Hs.534189	NM_015110	ENSG00000	SMC5	SMC5L1	structura	protein-coding
chr5-7555	8.279071	0.37595	0.745951	0.503987	0.61427	0.707097	chr5	75550058	75550420	+	0	NA	intron (N	L1M4|LINE	-38258	NM_001130	10087	Hs.270437	NM_005713	ENSG00000	CERT1	CERT|CERT	ceramide	protein-coding
chr8-2729	9.947693	-0.32301	0.641646	-0.50342	0.614672	0.707343	chr8	27291665	27294368	+	0	NA	intron (N	(TTTTTC)n	18256	NM_001304	23087	Hs.104223	NM_171982	ENSG00000	TRIM35	HLS5|MAIR	tripartit	protein-coding
chr1-6782	8.237508	0.379462	0.755715	0.502124	0.61558	0.708171	chr1	67828024	67828695	+	0	NA	intron (N	intron (N	-3929	NR_040077	1E+08	Hs.677603	NR_040077	ENSG00000	GNG12-AS1	-	GNG12, DI	ncRNA
chr19-521	9.999431	-0.31895	0.637315	-0.50046	0.61675	0.709083	chr19	52113160	52137699	+	0	NA	intron (N	MLT1A1-in	14509	NM_178523	90317	Hs.645225	NM_178523	ENSG00000	ZNF616	-	zinc fing	protein-coding
chr20-492	9.999431	-0.31895	0.637315	-0.50046	0.61675	0.709083	chr20	49279142	49294888	+	0	NA	intron (N	HERVIP10F	6332	NR_003030	692057		NR_003030	ENSG00000	SNORD12	HBII-99|M	small nuc	snoRNA
chr17-650	9.984841	-0.31709	0.638471	-0.49663	0.619447	0.711967	chr17	65049192	65053801	+	0	NA	intron (N	AluSp|SIN	4278	NM_001282	10672	Hs.515018	NM_006572	ENSG00000	GNA13	G13	G protein	protein-coding
chr7-1313	8.268896	0.368554	0.74343	0.495748	0.620072	0.712468	chr7	1.31E+08	1.31E+08	+	0	NA	intron (N	AluSp|SIN	5810	NM_001321	4289	Hs.44693	NM_013255	ENSG00000	MKLN1	TWA2	muskelin	protein-coding
chr5-3419	8.295869	0.368012	0.74728	0.492469	0.622388	0.71491	chr5	34196156	34197238	+	0	NA	intron (N	AluY|SINE	7116	NR_157803	646652	Hs.546584	NR_157803		LOC646652	-	integral	pseudo
chr17-465	9.997224	-0.31506	0.641295	-0.49129	0.623222	0.71565	chr17	46548182	46549284	+	0	NA	exon (NM_	exon (NM_	30979	NM_001330	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr1-1788	9.491008	-0.32724	0.670322	-0.48818	0.625421	0.717956	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	AluJr|SIN	48082	NM_004673	9068	Hs.591474	NM_004673	ENSG00000	ANGPTL1	ANG3|ANGP	angiopoie	protein-coding
chr5-7050	9.476417	-0.32517	0.668284	-0.48657	0.626565	0.719049	chr5	70500471	70500690	+	0	NA	intron (N	intron (N	323	NR_033968	1E+08	Hs.665231	NR_033968		GUSBP9	-	GUSB pseu	pseudo
chr19-444	9.4888	-0.323	0.666019	-0.48496	0.627701	0.720134	chr19	44476569	44499395	+	0	NA	intron (N	AluSc|SIN	12540	NM_001278	7733	Hs.22305	NM_013256	ENSG00000	ZNF180	HHZ168	zinc fing	protein-coding
chr15-667	9.515773	-0.32289	0.667967	-0.48339	0.628822	0.7212	chr15	66755427	66755869	+	0	NA	intron (N	intron (N	53412	NM_005585	4091	Hs.153863	NM_005585	ENSG00000	SMAD6	AOVD2|HsT	SMAD fami	protein-coding
chr12-458	9.47421	-0.32097	0.6662	-0.4818	0.62995	0.722274	chr12	45849978	45850220	+	0	NA	exon (NM_	exon (NM_	120390	NM_001347	196528	Hs.317304	NM_152641	ENSG00000	ARID2	BAF200|CS	AT-rich i	protein-coding
chr11-349	9.995016	-0.31095	0.649414	-0.47881	0.632072	0.723757	chr11	34932607	34932870	+	0	NA	intron (N	L1MC5a|LI	-9099	NR_039836	1.01E+08		NR_039836	ENSG00000	MIR1343	-	microRNA	ncRNA
chr1-9444	9.486592	-0.31883	0.666134	-0.47862	0.632205	0.723757	chr1	94448288	94452952	+	0	NA	intron (N	MER9a3|LT	32231	NM_002858	5825	Hs.700576	NM_002858	ENSG00000	ABCD3	ABC43|CBA	ATP bindi	protein-coding
chr12-507	9.486592	-0.31883	0.666134	-0.47862	0.632205	0.723757	chr12	50795829	50801089	+	0	NA	intron (N	AluY|SINE	34358	NM_005171	466	Hs.648565	NM_005171	ENSG00000	ATF1	EWS-ATF1|	activatin	protein-coding
chr16-302	9.486592	-0.31883	0.666134	-0.47862	0.632205	0.723757	chr16	30265788	30269648	+	0	NA	Intergeni	Intergeni	-19305	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr19-525	9.486592	-0.31883	0.666134	-0.47862	0.632205	0.723757	chr19	52537769	52565357	+	0	NA	intron (N	intron (N	-18710	NM_018260	55762	Hs.235167	NM_018260	ENSG00000	ZNF701	-	zinc fing	protein-coding
chr1-1800	9.459619	-0.31894	0.668582	-0.47704	0.633337	0.724832	chr1	1.8E+08	1.8E+08	+	0	NA	intron (N	intron (N	51550	NM_014810	9857	Hs.413045	NM_014810	ENSG00000	CEP350	CAP350|GM	centrosom	protein-coding
chr20-303	16.12853	-0.18883	0.398157	-0.47426	0.635315	0.726771	chr20	30391961	30392384	+	0	NA	intron (N	intron (N	11290	NR_045115	140678	Hs.653099	NR_045115		MLLT10P1	MLLT10L|b	MLLT10 ps	pseudo
chr17-606	9.498975	-0.31666	0.668268	-0.47384	0.635611	0.726771	chr17	60663203	60663402	+	0	NA	exon (NM_	exon (NM_	-14549	NM_017679	54828	Hs.655028	NM_017679	ENSG00000	BCAS3	GAOB1|MAA	BCAS3 mic	protein-coding
chr5-3238	9.498975	-0.31666	0.668268	-0.47384	0.635611	0.726771	chr5	32389334	32390748	+	0	NA	intron (N	AluSx1|SI	4434	NR_030305	693164		NR_030305	ENSG00000	MIR579	MIRN579|h	microRNA	ncRNA
chr1-1208	9.432646	-0.31902	0.675606	-0.4722	0.636783	0.727694	chr1	1.21E+08	1.21E+08	+	0	NA	3’ UTR (N	3’ UTR (N	9700	NR_104086	1.02E+08		NR_104086	ENSG00000	RNVU1-19	RNU1-126|	RNA, vari	snRNA
chrX-4506	9.540539	-0.31852	0.674595	-0.47217	0.636805	0.727694	chrX	45069839	45070038	+	0	NA	exon (NM_	exon (NM_	130938	NM_024689	79742	Hs.98321	NM_024689	ENSG00000	DIPK2B	4930578C1	divergent	protein-coding
chr10-297	8.990551	-0.32547	0.697601	-0.46656	0.640817	0.731633	chr10	29729968	29730484	+	0	NA	intron (N	intron (N	5575	NM_003174	6840	Hs.499209	NM_003174	ENSG00000	SVIL	-	supervill	protein-coding
chr16-149	8.767145	0.331286	0.7127	0.464832	0.642052	0.731633	chr16	14982106	14994882	+	0	NA	intron (N	intron (N	13468	NM_001285	23042	Hs.370781	NM_015027	ENSG00000	PDXDC1	LP8165	pyridoxal	protein-coding
chr11-349	8.975961	-0.32325	0.696486	-0.46411	0.642566	0.731633	chr11	34913329	34914078	+	0	NA	intron (N	LTR12_|LT	-2427	NM_001166	8050	Hs.502315	NM_003477	ENSG00000	PDHX	DLDBP|E3B	pyruvate	protein-coding
chr21-348	8.975961	-0.32325	0.696486	-0.46411	0.642566	0.731633	chr21	34880460	34881287	+	0	NA	intron (N	intron (N	7826	NM_001001	861	Hs.149261	NM_001754	ENSG00000	RUNX1	AML1|AML1	RUNX fami	protein-coding
chr6-3733	9.002934	-0.32312	0.696328	-0.46403	0.642626	0.731633	chr6	3733114	3738683	+	0	NA	intron (N	L1MA6|LIN	16114	NM_183373	221749	Hs.484500	NM_183373	ENSG00000	PXDC1	C6orf145	PX domain	protein-coding
chr1-4480	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr1	44800592	44807284	+	0	NA	exon (NM_	exon (NM_	3347	NM_001013	343521	Hs.585137	NM_001013	ENSG00000	TCTEX1D4	-	Tctex1 do	protein-coding
chr1-1461	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	THE1A|LTR	-15631	NM_001302	1E+08	Hs.714127	NM_001039	ENSG00000	NBPF10	AB6|AG1|N	NBPF memb	protein-coding
chr1-1514	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr1	1.51E+08	1.51E+08	+	0	NA	TTS (NM_2	TTS (NM_2	2757	NM_002796	5692	Hs.89545	NM_002796	ENSG00000	PSMB4	HN3|HsN3|	proteasom	protein-coding
chr10-989	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr10	989267	1004535	+	0	NA	intron (N	MER5A|DNA	8467	NM_012341	23560	Hs.215766	NM_012341	ENSG00000	GTPBP4	CRFG|NGB|	GTP bindi	protein-coding
chr10-329	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr10	32905426	32931582	+	0	NA	intron (N	intron (N	-17032	NR_132768	1.07E+08		NR_132768		SNORA86	-	small nuc	snoRNA
chr15-412	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr15	41285443	41289479	+	0	NA	intron (N	L1MA9|LIN	2119	NR_152821	729082	Hs.380164	NR_026757	ENSG00000	OIP5-AS1	cyrano|li	OIP5 anti	ncRNA
chr16-218	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr16	21894833	21895283	+	0	NA	Intergeni	Tigger4a|	-28323	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr19-582	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr19	58280306	58303782	+	0	NA	intron (N	intron (N	13078	NR_144447	1.09E+08	Hs.715293	NR_144447	ENSG00000	ZNF8-ERVK	-	ZNF8-ERVK	ncRNA
chr2-3318	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr2	33186359	33190538	+	0	NA	intron (N	intron (N	53851	NM_000627	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding

chr4-7699	8.988344	-0.32091	0.69522	-0.4616	0.644371	0.731633	chr4	76995486	77000865	+	0	NA	intron (N	intron (N	48423	NM_001306	55752	Hs.128199	NM_018243	ENSG00000	SEPTIN11	11-Sep	septin 11	protein-coding
chr1-2332	8.973753	-0.3187	0.696601	-0.45751	0.647303	0.731633	chr1	23321621	23338538	+	0	NA	intron (N	intron (N	14205	NM_001102	10236	Hs.373763	NM_005826	ENSG00000	HNRNPR	HNRPR|hnR	heterogen	protein-coding
chr17-510	8.973753	-0.3187	0.696601	-0.45751	0.647303	0.731633	chr17	5105201	5110721	+	0	NA	intron (N	intron (N	-3974	NR_135658	1.02E+08	Hs.660048	NR_135657	ENSG00000	LOC101928	-	uncharact	ncRNA
chr19-563	8.973753	-0.3187	0.696601	-0.45751	0.647303	0.731633	chr19	56372750	56377780	+	0	NA	intron (N	intron (N	-6882	NM_001322	79149	Hs.177688	NM_024303	ENSG00000	ZSCAN5A	ZNF495|ZS	zinc fing	protein-coding
chr7-6731	8.973753	-0.3187	0.696601	-0.45751	0.647303	0.731633	chr7	6731596	6746398	+	0	NA	intron (N	AluSp|SIN	3692	NR_002217	441194	Hs.715590	NR_002217	ENSG00000	PMS2CL	PMS2P13	PMS2 C-te	pseudo
chr7-1025	8.973753	-0.3187	0.696601	-0.45751	0.647303	0.731633	chr7	1.03E+08	1.03E+08	+	0	NA	promoter-	promoter-	-155	NM_001031	441273	Hs.656428	NM_001031	ENSG00000	SPDYE2	SPDYB2-L1	speedy/RI	protein-coding
chr1-1784	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr1	1.78E+08	1.78E+08	+	0	NA	exon (NM_	exon (NM_	-54601	NM_032126	84066	Hs.534501	NM_032126	ENSG00000	TEX35	C1orf49|T	testis ex	protein-coding
chr17-160	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr17	16031812	16037348	+	0	NA	intron (N	AluJb|SIN	34756	NM_017775	54902	Hs.462316	NM_017775	ENSG00000	TTC19	201020401	tetratric	protein-coding
chr3-6419	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr3	64196289	64199312	+	0	NA	intron (N	L1PA13|LI	10256	NR_046702	1.01E+08	Hs.670840	NR_046702	ENSG00000	PRICKLE2-	-	PRICKLE2	ncRNA
chr3-1423	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	AluSq2|SI	104819	NM_001282	54464	Hs.435103	NM_019001	ENSG00000	XRN1	1-Sep	5’-3’ exo	protein-coding
chr6-5647	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr6	56475480	56483982	+	0	NA	intron (N	L1PB4|LIN	-85603	NM_001318	81578	Hs.47629	NM_030820	ENSG00000	COL21A1	COLA1L|FF	collagen	protein-coding
chr6-5709	9.000726	-0.31857	0.696443	-0.45742	0.647366	0.731633	chr6	57098118	57105146	+	0	NA	exon (NM_	exon (NM_	11444	NM_001257	26036	Hs.485628	NM_015555	ENSG00000	ZNF451	COASTER|c	zinc fing	protein-coding
chr1-2226	8.986136	-0.31635	0.697832	-0.45333	0.650313	0.731633	chr1	2.23E+08	2.23E+08	+	0	NA	intron (N	intron (N	11595	NM_022831	64853	Hs.156625	NM_022831	ENSG00000	AIDA	C1orf80	axin inte	protein-coding
chr5-6964	8.959163	-0.31645	0.700537	-0.45173	0.651466	0.731633	chr5	69645753	69646096	+	0	NA	non-codin	non-codin	14779	NR_157804	1.02E+08	Hs.634013	NR_157804		LOC101929	-	putative	pseudo
chr1-1461	11.21397	-0.25602	0.570586	-0.44869	0.653657	0.731633	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	intron (N	41260	NM_203458	388677	Hs.655156	NM_203458	ENSG00000	NOTCH2NLA	N2N|NOTCH	notch 2 N	protein-coding
chr19-399	8.490095	-0.32337	0.725298	-0.44584	0.655712	0.731633	chr19	39972016	39984868	+	0	NA	intron (N	intron (N	7277	NM_006503	5704	Hs.211594	NM_006503	ENSG00000	PSMC4	MIP224|RP	proteasom	protein-coding
chr3-7101	8.490095	-0.32337	0.725298	-0.44584	0.655712	0.731633	chr3	71012667	71016586	+	0	NA	intron (N	L1PA5|LIN	50298	NM_001349	27086	Hs.59368	NM_032682	ENSG00000	FOXP1	12CC4|HSF	forkhead	protein-coding
chr8-1728	8.490095	-0.32337	0.725298	-0.44584	0.655712	0.731633	chr8	17284373	17292888	+	0	NA	intron (N	L1PA7|LIN	41672	NM_001363	137492	Hs.343873	NM_152415	ENSG00000	VPS37A	HCRP1|PQE	VPS37A su	protein-coding
chr6-1387	8.517068	-0.32324	0.728097	-0.44395	0.657077	0.731633	chr6	1.39E+08	1.39E+08	+	0	NA	intron (N	AluJb|SIN	-7417	NM_001195	345930	Hs.660603	NM_001077	ENSG00000	ECT2L	ARHGEF32|	epithelia	protein-coding
chr8-1156	8.531659	-0.32571	0.733851	-0.44384	0.657162	0.731633	chr8	1.16E+08	1.16E+08	+	0	NA	exon (NM_	exon (NM_	48480	NM_001282	7227	Hs.657018	NM_014112	ENSG00000	TRPS1	GC79|LGCR	transcrip	protein-coding
chr11-572	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr11	57295406	57303856	+	0	NA	TTS (NM_0	TTS (NM_0	25321	NM_033396	85456	Hs.530730	NM_033396	ENSG00000	TNKS1BP1	TAB182	tankyrase	protein-coding
chr14-241	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr14	24137567	24139539	+	0	NA	TTS (NM_0	TTS (NM_0	2359	NM_001281	5720	Hs.75348	NM_006263	ENSG00000	PSME1	HEL-S-129	proteasom	protein-coding
chr14-751	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr14	75133372	75135804	+	0	NA	3’ UTR (N	3’ UTR (N	-7540	NM_001329	91754	Hs.7200	NM_033116	ENSG00000	NEK9	APUG|LCCS	NIMA rela	protein-coding
chr19-404	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr19	40440314	40442496	+	0	NA	3’ UTR (N	3’ UTR (N	1193	NM_013368	29946	Hs.515412	NM_013368	ENSG00000	SERTAD3	RBT1	SERTA dom	protein-coding
chr19-443	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr19	44324778	44341965	+	0	NA	intron (N	intron (N	23309	NM_001348	7771	Hs.48589	NM_013380	ENSG00000	ZNF112	ZFP112|ZN	zinc fing	protein-coding
chr19-584	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr19	58410968	58424292	+	0	NA	non-codin	non-codin	8956	NR_134461	201514	Hs.439551	NM_173548	ENSG00000	ZNF584	-	zinc fing	protein-coding
chr7-4168	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr7	41688807	41690941	+	0	NA	exon (NM_	exon (NM_	-4045	NR_027119	285954	Hs.656869	NR_027118	ENSG00000	INHBA-AS1	-	INHBA ant	ncRNA
chr7-1025	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	9231	NM_001097	548644	Hs.610255	NM_001015	ENSG00000	POLR2J3	POLR2J2|R	RNA polym	protein-coding
chr7-1026	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr7	1.03E+08	1.03E+08	+	0	NA	Intergeni	Intergeni	10865	NM_001114	1E+08	Hs.610255	NM_001114	ENSG00000	UPK3BL1	UPK3BL|UP	uroplakin	protein-coding
chr9-2772	8.475505	-0.32098	0.725369	-0.44251	0.658123	0.731633	chr9	2772469	2779438	+	0	NA	Intergeni	AluSz|SIN	58443	NM_133497	169522	Hs.622675	NM_133497	ENSG00000	KCNV2	KV11.1|Kv	potassium	protein-coding
chr1-1457	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr1	1.46E+08	1.46E+08	+	0	NA	3’ UTR (N	3’ UTR (N	26857	NM_007053	11126	Hs.488237	NM_007053	ENSG00000	CD160	BY55|NK1|	CD160 mol	protein-coding
chr12-686	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr12	68648987	68663764	+	0	NA	exon (NM_	exon (NM_	-29000	NR_033335	1E+08	Hs.724530	NR_033335	ENSG00000	SNORA70G	U70G	small nuc	snoRNA
chr15-928	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr15	92884318	92899256	+	0	NA	intron (N	intron (N	8491	NR_037602	1.01E+08	Hs.622504	NR_037600		LINC01578	-	long inte	ncRNA
chr15-996	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr15	99674504	99677556	+	0	NA	intron (N	AluSx|SIN	43052	NM_001130	4205	Hs.268675	NM_005587	ENSG00000	MEF2A	ADCAD1|RS	myocyte e	protein-coding
chr16-910	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr16	9103029	9110104	+	0	NA	intron (N	AluSx1|SI	14922	NM_014117	29035	Hs.221497	NM_014117	ENSG00000	C16orf72	PRO0149	chromosom	protein-coding
chr17-771	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr17	77142744	77145531	+	0	NA	intron (N	intron (N	3168	NM_001143	6397	Hs.464184	NM_003003	ENSG00000	SEC14L1	PRELID4A|	SEC14 lik	protein-coding
chr2-1829	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr2	1.83E+08	1.83E+08	+	0	NA	intron (N	L1PA4|LIN	77337	NM_205842	10787	Hs.603732	NM_013436	ENSG00000	NCKAP1	HEM2|NAP1	NCK assoc	protein-coding
chr3-4462	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr3	44627080	44645144	+	0	NA	intron (N	AluY|SINE	11076	NM_001323	10168	Hs.157035	NM_006991	ENSG00000	ZNF197	D3S1363E|	zinc fing	protein-coding
chr4-5787	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr4	5787180	5789487	+	0	NA	intron (N	MLT1F2|LT	77132	NM_153717	2121	Hs.646899	NM_014556	ENSG00000	EVC	DWF-1|EVC	EvC cilia	protein-coding
chr6-1362	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr6	1.36E+08	1.36E+08	+	0	NA	intron (N	intron (N	-19561	NM_001099	113115	Hs.121536	NM_138419	ENSG00000	MTFR2	DUFD1|FAM	mitochond	protein-coding
chr7-7469	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chr7	74694691	74715177	+	0	NA	intron (N	intron (N	23984	NR_110044	1.02E+08	Hs.654772	NR_110044	ENSG00000	LOC101926	-	uncharact	ncRNA
chrX-4118	8.502478	-0.32084	0.725334	-0.44233	0.65825	0.731633	chrX	41183022	41222390	+	0	NA	intron (N	intron (N	-73033	NR_135616	1.05E+08	Hs.546119	NR_135616	ENSG00000	LINC02601	-	long inte	ncRNA
chr6-1297	8.448532	-0.32113	0.731103	-0.43924	0.660491	0.731633	chr6	1.3E+08	1.3E+08	+	0	NA	intron (N	AluSx|SIN	3442	NM_033515	93663	Hs.486458	NM_033515	ENSG00000	ARHGAP18	MacGAP|SE	Rho GTPas	protein-coding
chr1-7317	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr1	731747	733490	+	0	NA	Intergeni	Intergeni	-2267	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr1-3190	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr1	31905188	31920728	+	0	NA	intron (N	intron (N	24860	NM_001369	8073	Hs.470477	NM_003479	ENSG00000	PTP4A2	HH13|HH7-	protein t	protein-coding
chr1-1087	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	THE1C|LTR	37589	NM_007269	6814	Hs.530436	NM_007269	ENSG00000	STXBP3	MUNC18-3|	syntaxin	protein-coding
chr1-1481	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr1	1.48E+08	1.48E+08	+	0	NA	intron (N	LTR5_Hs|L	-2116	NM_001101	200030	Hs.721588	NM_183372	ENSG00000	NBPF11	NBPF24	NBPF memb	protein-coding
chr1-1490	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr1	1.49E+08	1.49E+08	+	0	NA	intron (N	intron (N	59526	NM_001037	400818	Hs.445080	NM_001037	ENSG00000	NBPF9	AE01	NBPF memb	protein-coding
chr10-734	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr10	73466206	73466490	+	0	NA	intron (N	intron (N	-29404	NR_132104	1.02E+08	Hs.434502	NR_132103	ENSG00000	PPP3CB-AS	USP54-AS1	PPP3CB an	ncRNA
chr10-737	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr10	73725189	73728241	+	0	NA	intron (N	AluJb|SIN	3791	NR_160425	1.14E+08		NR_160425		BMS1P4-AG	-	BMS1P4-AG	pseudo
chr10-119	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr10	1.19E+08	1.19E+08	+	0	NA	intron (N	AluSp|SIN	5554	NR_002917	641451	Hs.688653	NR_002917	ENSG00000	SNORA19	ACA19	small nuc	snoRNA
chr12-644	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr12	64410440	64445273	+	0	NA	intron (N	intron (N	23464	NM_007235	11260	Hs.85951	NM_007235	ENSG00000	XPOT	XPO3	exportin	protein-coding
chr12-132	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	5446	NM_005895	2802	Hs.507333	NM_005895	ENSG00000	GOLGA3	GCP170|ME	golgin A3	protein-coding
chr13-262	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr13	26211307	26220398	+	0	NA	intron (N	intron (N	5905	NM_183044	6049	Hs.136885	NM_005977	ENSG00000	RNF6	-	ring fing	protein-coding
chr13-114	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	-10855	NR_039724	1.01E+08		NR_039724	ENSG00000	MIR4502	-	microRNA	ncRNA
chr14-504	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr14	50450463	50452353	+	0	NA	intron (N	L1M4a1|LI	-54110	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|P	cyclin de	protein-coding
chr15-410	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr15	41052097	41075865	+	0	NA	intron (N	L1MEg|LIN	52265	NR_104038	54617	Hs.292949	NM_017553	ENSG00000	INO80	INO80A|IN	INO80 com	protein-coding
chr15-649	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr15	64967444	64976439	+	0	NA	intron (N	AluJo|SIN	17529	NM_001127	51324	Hs.242458	NM_016630	ENSG00000	SPG21	ABHD21|AC	SPG21 abh	protein-coding
chr16-485	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr16	4853064	4864425	+	0	NA	intron (N	intron (N	10364	NM_001288	29855	Hs.440219	NM_016936	ENSG00000	UBN1	VT|VT4	ubinuclei	protein-coding
chr16-245	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr16	24546222	24550542	+	0	NA	intron (N	FLAM_C|SI	8795	NM_032626	5930	Hs.188553	NM_006910	ENSG00000	RBBP6	MY038|P2P	RB bindin	protein-coding
chr17-294	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr17	29484478	29494514	+	0	NA	intron (N	AluJb|SIN	77541	NM_198147	116236	Hs.106510	NM_198147	ENSG00000	ABHD15	-	abhydrola	protein-coding
chr18-459	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr18	45919399	45934096	+	0	NA	intron (N	AluSx|SIN	40582	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr19-131	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr19	13143812	13145599	+	0	NA	intron (N	intron (N	5670	NM_001271	8677	Hs.43812	NM_003765	ENSG00000	STX10	SYN10|hsy	syntaxin	protein-coding
chr19-347	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr19	34735618	34742300	+	0	NA	intron (N	intron (N	4716	NM_001029	339318	Hs.720472	NM_001029	ENSG00000	ZNF181	HHZ181	zinc fing	protein-coding
chr19-368	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr19	36889178	36915142	+	0	NA	intron (N	(A)n|Simp	13879	NM_001171	374899	Hs.720312	NM_001037	ENSG00000	ZNF829	-	zinc fing	protein-coding
chr19-542	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr19	54201151	54208309	+	0	NA	intron (N	Tigger19b	3872	NM_001013	6203	Hs.467284	NM_001013	ENSG00000	RPS9	S9	ribosomal	protein-coding
chr19-551	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr19	55100692	55104061	+	0	NA	intron (N	AluSx|SIN	15261	NM_017607	54776	Hs.631579	NM_017607	ENSG00000	PPP1R12C	AAVS1|LEN	protein p	protein-coding
chr2-3575	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr2	3575654	3584421	+	0	NA	intron (N	intron (N	4777	NM_001011	6201	Hs.534346	NM_001011	ENSG00000	RPS7	DBA8|S7|e	ribosomal	protein-coding
chr2-4690	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr2	46902271	46913808	+	0	NA	intron (N	intron (N	7767	NM_001171	90411	Hs.662152	NM_139279	ENSG00000	MCFD2	F5F8D|F5F	multiple	protein-coding
chr2-4779	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr2	47794459	47807992	+	0	NA	intron (N	intron (N	17270	NM_001281	2956	Hs.445052	NM_000179	ENSG00000	MSH6	GTBP|GTMB	mutS homo	protein-coding
chr2-1961	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr2	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	32172	NM_004226	9262	Hs.88297	NM_004226	ENSG00000	STK17B	DRAK2	serine/th	protein-coding
chr2-2381	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr2	2.38E+08	2.38E+08	+	0	NA	intron (N	AluY|SINE	14395	NM_030768	80895	Hs.92033	NM_030768	ENSG00000	ILKAP	ILKAP2|II	ILK assoc	protein-coding
chr20-344	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr20	34499498	34501614	+	0	NA	intron (N	L1M2|LINE	-15828	NR_104032	83658	Hs.593920	NM_014183	ENSG00000	DYNLRB1	BITH|BLP|	dynein li	protein-coding
chr20-508	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr20	50891283	50894031	+	0	NA	exon (NM_	exon (NM_	17134	NM_001282	23394	Hs.293736	NM_015339	ENSG00000	ADNP	ADNP1|HVD	activity	protein-coding
chr20-637	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr20	63708987	63722339	+	0	NA	intron (N	L1M4|LINE	7635	NM_001195	84619	Hs.590868	NM_032527	ENSG00000	ZGPAT	GPATC6|GP	zinc fing	protein-coding
chr21-290	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr21	29054820	29072098	+	0	NA	exon (NM_	exon (NM_	10189	NM_006585	10694	Hs.125113	NM_006585	ENSG00000	CCT8	C21orf112	chaperoni	protein-coding
chr21-335	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr21	33546210	33570465	+	0	NA	3’ UTR (N	3’ UTR (N	7675	NR_106756	1.02E+08		NR_106756	ENSG00000	MIR6501	hsa-mir-6	microRNA	ncRNA
chr3-4804	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr3	48048666	48051277	+	0	NA	intron (N	intron (N	38877	NM_001134	4134	Hs.517949	NM_002375	ENSG00000	MAP4	-	microtubu	protein-coding
chr3-4870	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr3	48709139	48715529	+	0	NA	intron (N	AluYh3|SI	4887	NM_001146	51447	Hs.595983	NM_016291	ENSG00000	IP6K2	IHPK2|Ins	inositol	protein-coding
chr3-1423	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr3	1.42E+08	1.42E+08	+	0	NA	intron (N	intron (N	-107232	NM_001039	256356	Hs.135904	NM_152776	ENSG00000	GK5	-	glycerol	protein-coding
chr3-1701	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr3	1.7E+08	1.7E+08	+	0	NA	intron (N	intron (N	9637	NM_001308	80012	Hs.529592	NM_024947	ENSG00000	PHC3	EDR3|HPH3	polyhomeo	protein-coding
chr4-3115	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr4	3115349	3117092	+	0	NA	exon (NM_	exon (NM_	41539	NM_002111	3064	Hs.518450	NM_002111	ENSG00000	HTT	HD|IT15|L	huntingti	protein-coding
chr5-7122	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr5	71223784	71225658	+	0	NA	intron (N	intron (N	-16590	NR_027028	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr5-1341	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr5	1.34E+08	1.34E+08	+	0	NA	non-codin	non-codin	-23388	NM_006930	6500	Hs.171626	NM_006930	ENSG00000	SKP1	EMC19|OCP	S-phase k	protein-coding
chr6-1378	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr6	1.38E+08	1.38E+08	+	0	NA	intron (N	intron (N	-10078	NR_049793	1E+08	Hs.598050	NR_049793	ENSG00000	WAKMAR2	lnc-TNFAI	wound and	ncRNA
chr7-3059	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr7	30598314	30609860	+	0	NA	intron (N	intron (N	9209	NM_002047	2617	Hs.404321	NM_002047	ENSG00000	GARS	CMT2D|DSM	glycyl-tR	protein-coding
chr7-6613	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr7	66130579	66136538	+	0	NA	intron (N	AluY|SINE	18711	NM_014478	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr8-1722	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr8	17229938	17237966	+	0	NA	intron (N	AluSx1|SI	12506	NM_001322	29883	Hs.587465	NM_013354	ENSG00000	CNOT7	CAF-1|CAF	CCR4-NOT	protein-coding
chr8-2253	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr8	22532945	22534708	+	0	NA	intron (N	AluSx1|SI	-18101	NM_005775	10174	Hs.528572	NM_005775	ENSG00000	SORBS3	SCAM-1|SC	sorbin an	protein-coding
chr9-3333	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr9	33330840	33348577	+	0	NA	intron (N	THE1B-int	49192	NM_002504	4799	Hs.413074	NM_002504	ENSG00000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr9-1122	8.487887	-0.31845	0.725408	-0.43899	0.660667	0.731633	chr9	1.12E+08	1.12E+08	+	0	NA	Intergeni	Intergeni	-34932	NM_001282	64420	Hs.494827	NM_022486	ENSG00000	SUSD1	-	sushi dom	protein-coding
chr11-121	8.514861	-0.31829	0.728209	-0.43708	0.662053	0.732953	chr11	1.21E+08	1.21E+08	+	0	NA	exon (NM_	exon (NM_	31000	NM_152715	219899	Hs.504136	NM_152715	ENSG00000	TBCEL	E1|LRRC35	tubulin f	protein-coding
chr3-1957	9.265394	0.298031	0.682976	0.436372	0.662567	0.733306	chr3	1.96E+08	1.96E+08	+	0	NA	Intergeni	Intergeni	-6148	NM_020790	200958	Hs.308992	NM_020790	ENSG00000	MUC20	MUC-20	mucin 20,	protein-coding
chr19-394	9.304749	0.299717	0.688245	0.43548	0.663214	0.733806	chr19	39446648	39447499	+	0	NA	intron (N	AluJb|SIN	1425	NM_003169	6829	Hs.631604	NM_003169	ENSG00000	SUPT5H	SPT5|SPT5	SPT5 homo	protein-coding
chr4-1834	8.473297	-0.31603	0.72832	-0.43391	0.664351	0.734848	chr4	1.83E+08	1.83E+08	+	0	NA	3’ UTR (N	3’ UTR (N	3052	NM_001317	55602	Hs.592508	NM_017632	ENSG00000	CDKN2AIP	CARF	CDKN2A in	protein-coding
chr4-1695	8.446324	-0.31611	0.734184	-0.43056	0.666789	0.737328	chr4	1.7E+08	1.7E+08	+	0	NA	intron (N	AluSp|SIN	52794	NM_001199	4750	Hs.481181	NM_012224	ENSG00000	NEK1	ALS24|NY-	NIMA rela	protein-coding
chr9-6384	12.90199	-0.21096	0.495066	-0.42612	0.670023	0.740687	chr9	63842596	63842916	+	0	NA	intron (N	intron (N	16878	NR_033907	642236	Hs.650100	NR_033907		FRG1JP	-	FSHD regi	pseudo
chr1-1662	12.91438	-0.2099	0.494247	-0.42469	0.671066	0.741621	chr1	16621735	16635141	+	0	NA	intron (N	intron (N	2468	NR_026752	84809	Hs.631865	NR_026752	ENSG00000	CROCCP2	CROCCL1	CROCC pse	pseudo
chr7-9956	10.72811	-0.25292	0.596991	-0.42365	0.671821	0.742238	chr7	99560109	99562349	+	0	NA	intron (N	intron (N	2395	NM_001363	79027	Hs.599798	NM_024061	ENSG00000	ZNF655	VIK|VIK-1	zinc fing	protein-coding
chr5-7021	33.43997	-0.12938	0.318143	-0.40666	0.684254	0.755753	chr5	70219700	70220097	+	0	NA	non-codin	non-codin	5897	NR_024054	11039	Hs.582500	NM_006780		SMA4	SMA3|b55C	glucuroni	pseudo
chr9-1000	8.495855	-0.30515	0.752684	-0.40542	0.685169	0.756541	chr9	1E+08	1E+08	+	0	NA	intron (N	intron (N	72840	NM_015051	23071	Hs.154023	NM_015051	ENSG00000	ERP44	PDIA10|TX	endoplasm	protein-coding
chr2-1725	8.050854	0.304521	0.755782	0.402922	0.687006	0.758346	chr2	1.73E+08	1.73E+08	+	0	NA	intron (N	L1MB7|LIN	19313	NR_103729	5163	Hs.470633	NM_002610	ENSG00000	PDK1	-	pyruvate	protein-coding
chr19-520	10.21527	-0.24959	0.623695	-0.40017	0.689029	0.760356	chr19	52051912	52094259	+	0	NA	intron (N	L1P4|LINE	21186	NM_001369	284371	Hs.665751	NM_001136	ENSG00000	ZNF841	-	zinc fing	protein-coding
chr7-1025	9.726494	0.262592	0.657082	0.399633	0.689427	0.760572	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	2880	NM_001166	1E+08	Hs.433879	NM_001166	ENSG00000	SPDYE2B	SPDYE2L	speedy/RI	protein-coding
chr12-132	8.065444	0.301662	0.755728	0.399167	0.68977	0.760728	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	MLT1A|LTR	3075	NM_018223	55743	Hs.720197	NM_018223	ENSG00000	CHFR	RNF116|RN	checkpoin	protein-coding
chr2-1125	8.067652	0.296374	0.758305	0.390838	0.695917	0.767282	chr2	1.13E+08	1.13E+08	+	0	NA	exon (NM_	exon (NM_	-9191	NM_001304	84269	Hs.375707	NM_032309	ENSG00000	CHCHD5	C2orf9|CH	coiled-co	protein-coding
chr9-6824	9.757882	0.254078	0.664482	0.38237	0.702187	0.773969	chr9	68245743	68246033	+	0	NA	intron (N	AluSc|SIN	3943	NM_001291	445571	Hs.645337	NM_201453	ENSG00000	CBWD3	bA561023.	COBW doma	protein-coding
chr15-400	9.717018	-0.24788	0.652257	-0.38004	0.703918	0.77565	chr15	40007543	40016848	+	0	NA	intron (N	intron (N	26986	NM_003134	6727	Hs.533732	NM_003134	ENSG00000	SRP14	ALURBP	signal re	protein-coding
chr19-575	9.690045	-0.24795	0.653524	-0.3794	0.704387	0.775939	chr19	57501371	57510177	+	0	NA	intron (N	AluY|SINE	5836	NR_130705	374928	Hs.579576	NM_198542	ENSG00000	ZNF773	ZNF419B	zinc fing	protein-coding
chr17-432	14.13112	-0.17087	0.451977	-0.37806	0.705386	0.776812	chr17	43264201	43265602	+	0	NA	Intergeni	AluJb|SIN	1922	NR_002716	6066		NR_002716	ENSG00000	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr15-509	9.702427	-0.24592	0.652452	-0.37691	0.70624	0.777297	chr15	50911647	50914962	+	0	NA	intron (N	intron (N	4621	NM_001252	23431	Hs.413366	NM_007347	ENSG00000	AP4E1	CPSQ4|SPG	adaptor r	protein-coding
chr9-4104	9.702427	-0.24592	0.652452	-0.37691	0.70624	0.777297	chr9	41042746	41045115	+	0	NA	intron (N	HAL1|LINE	30695	NR_002836	595135	Hs.571593	NR_002836	ENSG00000	PGM5P2	-	phosphogl	pseudo
chr5-3418	14.11433	-0.16855	0.452031	-0.37288	0.709237	0.780368	chr5	34189666	34190699	+	0	NA	non-codin	non-codin	601	NR_157803	646652	Hs.546584	NR_157803		LOC646652	-	integral	pseudo
chr12-156	8.549102	0.27019	0.728898	0.370683	0.710874	0.78194	chr12	15660293	15660623	+	0	NA	intron (N	AluSq2|SI	113847	NM_030671	5800	Hs.160871	NM_002848	ENSG00000	PTPRO	GLEPP1|NP	protein t	protein-coding
chr12-106	8.524337	0.265668	0.726584	0.365639	0.714634	0.785847	chr12	1.06E+08	1.06E+08	+	0	NA	intron (N	L1PA3|LIN	13299	NM_001160	55703	Hs.62696	NM_018082	ENSG00000	POLR3B	C128|HLD8	RNA polym	protein-coding
chr19-233	8.578283	0.264896	0.728645	0.363546	0.716197	0.787335	chr19	23358734	23359024	+	0	NA	3’ UTR (N	3’ UTR (N	36592	NM_001300	7644	Hs.58834	NM_003430	ENSG00000	ZNF91	HPF7|HTF1	zinc fing	protein-coding
chr1-1657	9.231152	-0.24394	0.682922	-0.3572	0.720944	0.792091	chr1	1.66E+08	1.66E+08	+	0	NA	intron (N	AluJb|SIN	5551	NR_125374	1E+08	Hs.633824	NR_125374		TMCO1-AS1	-	TMCO1 ant	ncRNA
chr3-1946	9.231152	-0.24394	0.682922	-0.3572	0.720944	0.792091	chr3	1.95E+08	1.95E+08	+	0	NA	intron (N	AluSc|SIN	2491	NM_018385	55341	Hs.744061	NM_018385	ENSG00000	LSG1	-	large 60S	protein-coding
chr7-6445	9.177206	-0.24408	0.685629	-0.35599	0.721848	0.792848	chr7	6445214	6446332	+	0	NA	intron (N	L1MB8|LIN	2181	NM_139179	221955	Hs.487498	NM_139179	ENSG00000	DAGLB	DAGLBETA|	diacylgly	protein-coding
chr16-224	9.216561	-0.24179	0.681878	-0.35459	0.722897	0.792848	chr16	22466013	22481358	+	0	NA	intron (N	L1MC2|LIN	-30764	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr18-353	9.216561	-0.24179	0.681878	-0.35459	0.722897	0.792848	chr18	35331235	35342821	+	0	NA	3’ UTR (N	3’ UTR (N	7392	NM_006965	7572	Hs.514802	NM_006965	ENSG00000	ZNF24	KOX17|RSC	zinc fing	protein-coding
chr19-520	9.216561	-0.24179	0.681878	-0.35459	0.722897	0.792848	chr19	52014751	52027220	+	0	NA	intron (N	MLT1F2|LT	7394	NM_025040	80110	Hs.292336	NM_025040	ENSG00000	ZNF614	-	zinc fing	protein-coding
chr5-5527	9.216561	-0.24179	0.681878	-0.35459	0.722897	0.792848	chr5	55279318	55303023	+	0	NA	intron (N	intron (N	16524	NR_144325	54505	Hs.593268	NM_019030	ENSG00000	DHX29	DDX29	DExH-box	protein-coding

chr6-1062	9.216561	-0.24179	0.681878	-0.35459	0.722897	0.792848	chr6	1.06E+08	1.06E+08	+	0	NA	intron (N	intron (N	24476	NR_104402	9474	Hs.486063	NM_004849	ENSG00000	ATG5	APG5|APG5	autophagy	protein-coding
chr14-226	9.189588	-0.24185	0.683288	-0.35395	0.723376	0.792911	chr14	22601491	22606156	+	0	NA	intron (N	intron (N	5585	NM_022060	63874	Hs.445665	NM_022060	ENSG00000	ABHD4	ABH4	abhydrola	protein-coding
chr9-1542	9.189588	-0.24185	0.683288	-0.35395	0.723376	0.792911	chr9	15424788	15426258	+	0	NA	intron (N	intron (N	2647	NR_161449	6619	Hs.546299	NM_003084	ENSG00000	SNAPC3	PTFbeta|S	small nuc	protein-coding
chr2-8505	9.201971	-0.23963	0.68325	-0.35072	0.7258	0.795336	chr2	85052955	85053323	+	0	NA	intron (N	intron (N	14208	NR_146453	1.01E+08	Hs.434398	NR_146453	ENSG00000	LINC01964	-	long inte	ncRNA
chr9-4100	11.42981	-0.19537	0.559357	-0.34928	0.726883	0.796291	chr9	41005071	41017272	+	0	NA	intron (N	MER33|DNA	18910	NR_156730	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr15-670	9.174998	-0.23966	0.68714	-0.34878	0.727253	0.796465	chr15	67075655	67075872	+	0	NA	intron (N	AluSx1|SI	10161	NM_005902	4088	Hs.727986	NM_005902	ENSG00000	SMAD3	HSPC193|H	SMAD fami	protein-coding
chr7-9202	9.214354	-0.23737	0.685517	-0.34627	0.729143	0.798302	chr7	92026509	92028050	+	0	NA	intron (N	SVA_A|Ret	86404	NM_005751	10142	Hs.651221	NM_005751	ENSG00000	AKAP9	AKAP-9|AK	A-kinase	protein-coding
chr12-109	9.241327	-0.23725	0.688783	-0.34445	0.730506	0.799562	chr12	1.09E+08	1.09E+08	+	0	NA	intron (N	MER9a3|LT	18188	NM_183415	89910	Hs.374067	NM_130466	ENSG00000	UBE3B	BPIDS|KOS	ubiquitin	protein-coding
chr15-101	13.62625	-0.16118	0.468928	-0.34373	0.73105	0.799925	chr15	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	4622	NR_003659	374666	Hs.459573	NM_199163		WASH3P	FAM39DP	WASP fami	pseudo
chr1-1569	8.708138	-0.2469	0.719407	-0.34319	0.731454	0.800134	chr1	1.57E+08	1.57E+08	+	0	NA	intron (N	AluJb|SIN	-45393	NR_030527	768220		NR_030527	ENSG00000	MIR765	MIRN765|h	microRNA	ncRNA
chr3-1111	8.735111	-0.24687	0.721043	-0.34237	0.732071	0.800576	chr3	1.11E+08	1.11E+08	+	0	NA	intron (N	intron (N	47411	NM_001243	25945	Hs.293917	NM_015480	ENSG00000	NECTIN3	CD113|CDW	nectin ce	protein-coding
chr14-607	8.70593	-0.24201	0.712777	-0.33953	0.734208	0.80268	chr14	60717174	60718090	+	0	NA	intron (N	intron (N	6719	NM_017420	51804	Hs.97849	NM_017420	ENSG00000	SIX4	AREC3	SIX homec	protein-coding
chr1-1784	8.718313	-0.2396	0.711499	-0.33675	0.736303	0.803932	chr1	1.78E+08	1.78E+08	+	0	NA	intron (N	intron (N	-70574	NM_032126	84066	Hs.534501	NM_032126	ENSG00000	TEX35	C1orf49|T	testis ex	protein-coding
chr17-604	8.718313	-0.2396	0.711499	-0.33675	0.736303	0.803932	chr17	60486674	60493916	+	0	NA	intron (N	L1MD2|LIN	35945	NM_001282	10513	Hs.84084	NM_006380	ENSG00000	APPBP2	APP-BP2|H	amyloid b	protein-coding
chr5-3901	8.718313	-0.2396	0.711499	-0.33675	0.736303	0.803932	chr5	39010040	39012848	+	0	NA	intron (N	THE1C-int	62955	NM_001285	253260	Hs.407926	NM_152756	ENSG00000	RICTOR	AVO3|PIA|	RPTOR inc	protein-coding
chr8-1033	8.718313	-0.2396	0.711499	-0.33675	0.736303	0.803932	chr8	1.03E+08	1.03E+08	+	0	NA	intron (N	L2c|LINE|	21795	NR_145795	1.1E+08		NR_145795		SNORD173	-	small nuc	snoRNA
chr14-754	8.69134	-0.23967	0.712883	-0.3362	0.736722	0.803932	chr14	75431502	75432946	+	0	NA	promoter-	promoter-	90	NM_001135	122953	Hs.196482	NM_130469	ENSG00000	JDP2	JUNDM2	Jun dimer	protein-coding
chr8-4227	8.69134	-0.23967	0.712883	-0.3362	0.736722	0.803932	chr8	42276007	42276225	+	0	NA	intron (N	AluSx|SIN	4814	NM_001190	3551	Hs.597664	NM_001556	ENSG00000	IKBKB	IKK-beta|	inhibitor	protein-coding
chr17-455	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr17	45513929	45516500	+	0	NA	promoter-	promoter-	-15	NM_001330	1.01E+08	Hs.559259	NM_001039	ENSG00000	ARL17B	ARL17|ARL	ADP ribos	protein-coding
chr18-235	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr18	23516331	23523557	+	0	NA	intron (N	intron (N	16433	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|H	regulator	protein-coding
chr19-530	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr19	53064952	53102548	+	0	NA	intron (N	AluJb|SIN	3287	NM_001322	90338	Hs.655967	NM_033288	ENSG00000	ZNF160	F11|HKr18	zinc fing	protein-coding
chr19-533	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr19	53397530	53415822	+	0	NA	intron (N	AluSz|SIN	11527	NM_001040	91661	Hs.657821	NM_001040	ENSG00000	ZNF765	-	zinc fing	protein-coding
chr3-1255	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr3	1.26E+08	1.26E+08	+	0	NA	intron (N	AluSx1|SI	13073	NR_073435	8723	Hs.507243	NM_003794	ENSG00000	SNX4	ATG24B	sorting r	protein-coding
chr4-1188	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	L2c|LINE|	5333	NM_001318	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr5-1500	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr5	1.5E+08	1.5E+08	+	0	NA	intron (N	intron (N	11722	NM_014983	22993	Hs.719189	NM_014983	ENSG00000	HMGXB3	HMGX3|SMF	HMG-box c	protein-coding
chr6-2645	8.703722	-0.23726	0.711607	-0.33342	0.738816	0.803932	chr6	26459271	26461500	+	0	NA	intron (N	intron (N	2430	NM_007049	11120	Hs.159028	NM_007049	ENSG00000	BTN2A1	BK14H9.1|	butyrophi	protein-coding
chr3-1137	8.730696	-0.23719	0.712804	-0.33276	0.739314	0.803932	chr3	1.14E+08	1.14E+08	+	0	NA	3’ UTR (N	3’ UTR (N	-24398	NR_111981	205717	Hs.632570	NM_001009	ENSG00000	USF3	KIAA2018	upstream	protein-coding
chr1-2056	8.716105	-0.23485	0.712913	-0.32942	0.741836	0.803932	chr1	2.06E+08	2.06E+08	+	0	NA	intron (N	intron (N	9656	NM_001973	2005	Hs.497520	NM_001973	ENSG00000	ELK4	SAP1	ETS trans	protein-coding
chr20-343	8.716105	-0.23485	0.712913	-0.32942	0.741836	0.803932	chr20	34369013	34375390	+	0	NA	intron (N	AluY|SINE	8928	NM_001257	83737	Hs.632272	NM_031483	ENSG00000	ITCH	ADMFD|AIF	itchy E3	protein-coding
chr20-410	8.689132	-0.23491	0.714479	-0.32878	0.742323	0.803932	chr20	41061330	41063211	+	0	NA	intron (N	intron (N	33448	NM_003286	7150	Hs.472737	NM_003286	ENSG00000	TOP1	TOPI	DNA topoi	protein-coding
chr1-1931	8.701515	-0.23247	0.715801	-0.32476	0.74536	0.803932	chr1	1.93E+08	1.93E+08	+	0	NA	intron (N	intron (N	6319	NM_024529	79577	Hs.378996	NM_024529	ENSG00000	CDC73	C1orf28|F	cell divi	protein-coding
chr11-975	15.35584	-0.13452	0.416372	-0.32307	0.746639	0.803932	chr11	975370	975744	+	0	NA	intron (N	CpG	49687	NR_144510	161	Hs.19121	NM_012305	ENSG00000	AP2A2	ADTAB|CLA	adaptor r	protein-coding
chr2-4631	8.674542	-0.23247	0.720273	-0.32275	0.746881	0.803932	chr2	46317137	46317920	+	0	NA	intron (N	Tigger1|D	20121	NM_001430	2034	Hs.468410	NM_001430	ENSG00000	EPAS1	ECYT4|HIF	endotheli	protein-coding
chr7-1247	8.207682	-0.2399	0.74489	-0.32206	0.747404	0.803932	chr7	1.25E+08	1.25E+08	+	0	NA	intron (N	AluJb|SIN	6576	NM_005302	2861	Hs.406094	NM_005302	ENSG00000	GPR37	EDNRBL|PA	G protein	protein-coding
chr2-6991	8.220064	-0.23726	0.742041	-0.31974	0.749162	0.803932	chr2	69913033	69913322	+	0	NA	Intergeni	Intergeni	-1864	NM_001202	4084	Hs.468908	NM_002357	ENSG00000	MXD1	BHLHC58|M	MAX dimer	protein-coding
chr6-1349	8.713898	-0.22996	0.719794	-0.31948	0.749365	0.803932	chr6	1.35E+08	1.35E+08	+	0	NA	exon (NM_	exon (NM_	-18003	NR_037435	1.01E+08		NR_037435	ENSG00000	MIR3662	mir-3662	microRNA	ncRNA
chr7-7465	8.713898	-0.22996	0.719794	-0.31948	0.749365	0.803932	chr7	74659290	74659634	+	0	NA	intron (N	AluSz|SIN	1744	NM_033000	2969	Hs.647041	NM_001518	ENSG00000	GTF2I	BAP135|BT	general t	protein-coding
chr3-1119	8.647569	-0.23239	0.730665	-0.31806	0.750442	0.803932	chr3	1.12E+08	1.12E+08	+	0	NA	non-codin	non-codin	-7189	NM_013259	29114	Hs.169330	NM_013259	ENSG00000	TAGLN3	NP22|NP24	transgeli	protein-coding
chr1-3902	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr1	39028223	39039424	+	0	NA	intron (N	AluSx|SIN	7473	NM_004552	4725	Hs.632385	NM_004552	ENSG00000	NDUFS5	CI-15k|CI	NADH:ubiq	protein-coding
chr11-916	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr11	9164878	9166394	+	0	NA	intron (N	AluJr|SIN	71273	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr11-730	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr11	73010485	73011251	+	0	NA	intron (N	L1M2|LINE	131450	NM_014824	9873	Hs.744959	NM_014824	ENSG00000	FCHSD2	NWK|NWK1|	FCH and d	protein-coding
chr14-676	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr14	67682385	67693252	+	0	NA	intron (N	AluSq2|SI	7946	NM_001252	51109	Hs.719925	NM_016026	ENSG00000	RDH11	ARSDR1|CC	retinol d	protein-coding
chr16-302	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr16	30202276	30205059	+	0	NA	TTS (NR_0	TTS (NR_0	3260	NR_002557	613038	Hs.569585	NR_002557	ENSG00000	LOC613038	-	SAGA comp	pseudo
chr16-851	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr16	85182103	85187306	+	0	NA	Intergeni	L1M5|LINE	-23092	NR_162142	1.13E+08		NR_162142		MIR12128	-	microRNA	ncRNA
chr19-351	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr19	35156029	35168448	+	0	NA	intron (N	intron (N	7503	NM_144779	53827	Hs.333418	NM_014164	ENSG00000	FXYD5	DYSAD|HSF	FXYD doma	protein-coding
chr19-394	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr19	39431290	39435574	+	0	NA	intron (N	intron (N	2517	NM_001020	6217	Hs.397609	NM_001020	ENSG00000	RPS16	S16	ribosomal	protein-coding
chr19-579	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr19	57936911	57944907	+	0	NA	TTS (NM_0	TTS (NM_0	-5507	NM_001317	147686	Hs.660728	NM_133460	ENSG00000	ZNF418	-	zinc fing	protein-coding
chr4-1188	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr4	1.19E+08	1.19E+08	+	0	NA	intron (N	AluJo|SIN	11871	NM_001318	9871	Hs.189641	NM_014822	ENSG00000	SEC24D	CLCRP2	SEC24 hom	protein-coding
chr6-6563	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr6	656308	657146	+	0	NA	exon (NM_	exon (NM_	237	NM_148959	135458	Hs.669039	NM_148959	ENSG00000	HUS1B	-	HUS1 chec	protein-coding
chr7-8017	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr7	80170222	80170640	+	0	NA	intron (N	intron (N	34647	NM_001256	2770	Hs.134587	NM_002069	ENSG00000	GNAI1	Gi	G protein	protein-coding
chr7-1025	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr7	1.03E+08	1.03E+08	+	0	NA	Intergeni	Intergeni	-12803	NM_001277	1E+08	Hs.530089	NM_001277	ENSG00000	RASA4B	-	RAS p21 p	protein-coding
chr9-4991	8.205474	-0.23472	0.740523	-0.31697	0.751265	0.803932	chr9	4991930	4994177	+	0	NA	intron (N	MLT1G3-in	7808	NM_004972	3717	Hs.656213	NM_004972	ENSG00000	JAK2	JTK10|THC	Janus kin	protein-coding
chr18-576	8.232447	-0.23466	0.74212	-0.31621	0.751845	0.803932	chr18	57641703	57643288	+	0	NA	intron (N	LTR12C|LT	12164	NM_001242	1.01E+08	Hs.660645	NM_001242804		LOC100505	-	uncharact	protein-coding
chr3-2742	8.232447	-0.23466	0.74212	-0.31621	0.751845	0.803932	chr3	27422297	27423120	+	0	NA	intron (N	intron (N	34070	NM_003615	9497	Hs.250072	NM_003615	ENSG00000	SLC4A7	NBC2|NBC3	solute ca	protein-coding
chr4-1394	8.232447	-0.23466	0.74212	-0.31621	0.751845	0.803932	chr4	1.39E+08	1.39E+08	+	0	NA	3’ UTR (N	3’ UTR (N	19397	NM_031296	83452	Hs.591679	NM_031296	ENSG00000	RAB33B	SMC2	RAB33B, m	protein-coding
chr6-5663	8.178501	-0.2348	0.744952	-0.31519	0.752617	0.803932	chr6	56638908	56640405	+	0	NA	intron (N	intron (N	3233	NM_001723	667	Hs.604915	NM_001723	ENSG00000	DST	BP240|BPA	dystonin	protein-coding
chr1-7355	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	735502	740954	+	0	NA	Intergeni	Intergeni	-7877	NR_028327	1E+08	Hs.728864	NR_028327		LOC100133	-	uncharact	ncRNA
chr1-5221	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	52216198	52218808	+	0	NA	intron (N	HERVIP10E	75409	NM_004799	9372	Hs.532345	NM_004799	ENSG00000	ZFYVE9	MADHIP|NS	zinc fing	protein-coding
chr1-6695	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	66954999	66969004	+	0	NA	intron (N	intron (N	31745	NM_001077	57708	Hs.605432	NM_020948	ENSG00000	MIER1	ER1|MI-ER	MIER1 tra	protein-coding
chr1-7795	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	77951333	77977960	+	0	NA	non-codin	non-codin	14426	NR_146540	8880	Hs.567380	NM_003902	ENSG00000	FUBP1	FBP|FUBP|	far upstr	protein-coding
chr1-1090	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	1.09E+08	1.09E+08	+	0	NA	intron (N	L1ME3|LIN	6365	NM_005645	6884	Hs.632426	NM_005645	ENSG00000	TAF13	MRT60|TAF	TATA-box	protein-coding
chr1-1124	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	1.12E+08	1.12E+08	+	0	NA	intron (N	intron (N	20957	NM_018704	55917	Hs.744100	NM_018704	ENSG00000	CTTNBP2NL	-	CTTNBP2 N	protein-coding
chr1-1505	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	1.51E+08	1.51E+08	+	0	NA	Intergeni	AluJr|SIN	-20567	NM_182763	4170	Hs.632486	NM_021960	ENSG00000	MCL1	BCL2L3|EA	MCL1 apop	protein-coding
chr1-2126	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	2.13E+08	2.13E+08	+	0	NA	intron (N	L2a|LINE|	1072	NM_001206	467	Hs.460	NM_001674	ENSG00000	ATF3	-	activatin	protein-coding
chr1-2237	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	AluJr|SIN	46732	NM_001031	7159	Hs.523968	NM_005426	ENSG00000	TP53BP2	53BP2|ASP	tumor pro	protein-coding
chr10-999	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr10	99953014	99960697	+	0	NA	non-codin	non-codin	-25948	NM_001318	23268	Hs.500771	NM_015221	ENSG00000	DNMBP	ARHGEF36|	dynamin b	protein-coding
chr11-371	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr11	3710719	3722880	+	0	NA	intron (N	L1MB5|LIN	-45415	NM_001303	57053	Hs.732806	NM_020402	ENSG00000	CHRNA10	-	cholinerg	protein-coding
chr11-913	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr11	9138633	9150206	+	0	NA	intron (N	intron (N	50056	NR_027713	283102	Hs.689472	NR_027713	ENSG00000	KRT8P41	-	keratin 8	pseudo
chr11-102	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr11	1.02E+08	1.02E+08	+	0	NA	intron (N	L2a|LINE|	18770	NM_001256	329	Hs.696238	NM_001166	ENSG00000	BIRC2	API1|HIAP	baculovir	protein-coding
chr12-106	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr12	10696788	10716239	+	0	NA	intron (N	L2|LINE|L	16810	NM_003651	8531	Hs.221889	NM_003651	ENSG00000	YBX3	CSDA|CSDA	Y-box bin	protein-coding
chr12-487	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr12	48701558	48706258	+	0	NA	intron (N	AluJb|SIN	12799	NM_001240	904	Hs.92308	NM_001240	ENSG00000	CCNT1	CCNT|CYCT	cyclin T1	protein-coding
chr12-719	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr12	71907198	71911498	+	0	NA	intron (N	intron (N	-29497	NM_173353	121278	Hs.736576	NM_173353	ENSG00000	TPH2	ADHD7|NTP	tryptopha	protein-coding
chr12-100	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr12	1E+08	1E+08	+	0	NA	intron (N	AluJb|SIN	15397	NR_048569	64431	Hs.115088	NM_022496	ENSG00000	ACTR6	ARP6|CDA1	actin rel	protein-coding
chr13-494	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr13	49460886	49466137	+	0	NA	intron (N	LTR76|LTR	19237	NM_001160	83852	Hs.631789	NM_031915	ENSG00000	SETDB2	C13orf4|C	SET domai	protein-coding
chr14-504	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr14	50455319	50457527	+	0	NA	intron (N	intron (N	-59125	NM_001367	8814	Hs.280881	NM_004196	ENSG00000	CDKL1	KKIALRE|P	cyclin de	protein-coding
chr14-693	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr14	69388443	69396830	+	0	NA	intron (N	L1MC2|LIN	5663	NM_004450	2079	Hs.509791	NM_004450	ENSG00000	ERH	DROER	ERH mRNA	protein-coding
chr15-735	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr15	73558007	73558359	+	0	NA	intron (N	FLAM_C|SI	11360	NR_103844	1.01E+08	Hs.656678	NR_103844	ENSG00000	NPTN-IT1	lncRNA-LE	NPTN intr	ncRNA
chr15-748	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr15	74891356	74893758	+	0	NA	intron (N	intron (N	2515	NM_002435	4351	Hs.75694	NM_002435	ENSG00000	MPI	CDG1B|PMI	mannose p	protein-coding
chr16-694	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr16	69426050	69433695	+	0	NA	intron (N	intron (N	5277	NM_030579	80777	Hs.461131	NM_030579	ENSG00000	CYB5B	CYB5-M|CY	cytochrom	protein-coding
chr19-576	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr19	57683570	57690390	+	0	NA	exon (NM_	exon (NM_	5003	NR_073102	90233	Hs.109540	NM_138347	ENSG00000	ZNF551	-	zinc fing	protein-coding
chr2-2893	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr2	28937537	28949891	+	0	NA	intron (N	L1M5|LINE	15731	NR_145755	1.1E+08		NR_145755	ENSG00000	SNORD53B	-	small nuc	snoRNA
chr2-3314	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr2	33147507	33150077	+	0	NA	intron (N	MER20|DNA	14195	NM_000627	4052	Hs.619315	NM_000627	ENSG00000	LTBP1	-	latent tr	protein-coding
chr20-185	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr20	18536113	18537535	+	0	NA	intron (N	Tigger2a|	28884	NM_006363	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr20-521	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr20	52156367	52160408	+	0	NA	intron (N	intron (N	33392	NM_022088	55734	Hs.473082	NM_018197	ENSG00000	ZFP64	ZNF338	ZFP64 zin	protein-coding
chr22-217	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr22	21798319	21807510	+	0	NA	intron (N	L1MB8|LIN	64766	NM_138957	5594	Hs.431850	NM_002745	ENSG00000	MAPK1	ERK|ERK-2	mitogen-a	protein-coding
chr4-1026	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1ME3|LIN	111576	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr5-1329	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	36412	NM_014423	27125	Hs.519313	NM_014423	ENSG00000	AFF4	AF5Q31|CH	AF4/FMR2	protein-coding
chr5-1385	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr5	1.39E+08	1.39E+08	+	0	NA	intron (N	intron (N	-2338	NR_002913	26785		NR_002913	ENSG00000	SNORD63	RNU63|SNO	small nuc	snoRNA
chr5-1493	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr5	1.49E+08	1.49E+08	+	0	NA	exon (NM_	exon (NM_	5770	NM_152407	134266	Hs.511816	NM_152407	ENSG00000	GRPEL2	Mt-GrpE#2	GrpE like	protein-coding
chr7-7468	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr7	74688203	74694078	+	0	NA	intron (N	intron (N	33422	NM_033000	2969	Hs.647041	NM_001518	ENSG00000	GTF2I	BAP135|BT	general t	protein-coding
chr7-9950	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr7	99506475	99535240	+	0	NA	intron (N	AluSx1|SI	14852	NM_001318	23660	Hs.110839	NM_014569	ENSG00000	ZKSCAN5	ZFP-95|ZF	zinc fing	protein-coding
chr7-1032	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr7	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	7202	NM_004279	9512	Hs.184211	NM_004279	ENSG00000	PMPCB	Beta-MPP|	peptidase	protein-coding
chr7-1296	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr7	1.3E+08	1.3E+08	+	0	NA	intron (N	L1MEg|LIN	29695	NM_001040	4899	Hs.654363	NM_005011	ENSG00000	NRF1	ALPHA-PAL	nuclear r	protein-coding
chr8-2224	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr8	22246389	22255097	+	0	NA	3’ UTR (N	3’ UTR (N	5610	NM_001722	661	Hs.148342	NM_001722	ENSG00000	POLR3D	BN51T|RPC	RNA polym	protein-coding
chr8-2384	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr8	23841604	23853078	+	0	NA	intron (N	intron (N	7465	NM_003155	6781	Hs.25590	NM_003155	ENSG00000	STC1	STC	stannioca	protein-coding
chr8-1250	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr8	1.25E+08	1.25E+08	+	0	NA	intron (N	MLT10|LTR	14442	NM_014846	9897	Hs.270043	NM_014846	ENSG00000	WASHC5	KIAA0196|	WASH comp	protein-coding
chr9-1113	8.217857	-0.23213	0.740604	-0.31344	0.753948	0.803932	chr9	1.11E+08	1.11E+08	+	0	NA	intron (N	L1MA4|LIN	-72568	NM_205859	26248	Hs.381312	NM_205859	ENSG00000	OR2K2	HSHTPCRHO	olfactory	protein-coding
chr11-130	8.190883	-0.2322	0.742108	-0.31289	0.754367	0.803932	chr11	1.3E+08	1.3E+08	+	0	NA	intron (N	intron (N	-36575	NM_021978	6768	Hs.504315	NM_021978	ENSG00000	ST14	ARCI11|HA	suppressi	protein-coding
chr2-1902	8.190883	-0.2322	0.742108	-0.31289	0.754367	0.803932	chr2	1.9E+08	1.9E+08	+	0	NA	intron (N	MSTA|LTR|	61802	NM_014362	26275	Hs.656685	NM_014362	ENSG00000	HIBCH	HIBYLCOAH	3-hydroxy	protein-coding
chr6-1112	8.190883	-0.2322	0.742108	-0.31289	0.754367	0.803932	chr6	1.11E+08	1.11E+08	+	0	NA	Intergeni	Intergeni	17251	NM_153369	91749	Hs.400572	NM_153369	ENSG00000	MFSD4B	KIAA1919|	major fac	protein-coding
chr9-9821	8.190883	-0.2322	0.742108	-0.31289	0.754367	0.803932	chr9	98219315	98223039	+	0	NA	exon (NM_	exon (NM_	-7626	NM_001267	55357	Hs.371016	NM_018421	ENSG00000	TBC1D2	PARIS-1|P	TBC1 doma	protein-coding
chr11-351	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr11	35143568	35144090	+	0	NA	intron (N	intron (N	4658	NM_001001	960	Hs.502328	NM_000610	ENSG00000	CD44	CDW44|CSP	CD44 mole	protein-coding
chr14-390	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr14	39051239	39067949	+	0	NA	intron (N	L1MC4|LIN	-43546	NR_146545	1.05E+08		NR_146545	ENSG00000	SEC23A-AS	-	SEC23A an	ncRNA
chr15-619	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr15	61944291	61945844	+	0	NA	intron (N	THE1C|LTR	115380	NM_020821	54832	Hs.511668	NM_017684	ENSG00000	VPS13C	PARK23	vacuolar	protein-coding
chr19-489	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr19	48960207	48961584	+	0	NA	exon (NM_	exon (NM_	-4414	NM_000146	2512	Hs.433670	NM_000146	ENSG00000	FTL	LFTD|NBIA	ferritin	protein-coding
chr19-489	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr19	48979911	48992713	+	0	NA	intron (N	intron (N	6997	NR_027763	2997	Hs.386225	NM_002103	ENSG00000	GYS1	GSY|GYS	glycogen	protein-coding
chr19-580	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr19	58004086	58008369	+	0	NA	non-codin	non-codin	-2881	NM_025027	80095	Hs.654967	NM_025027	ENSG00000	ZNF606	ZNF328	zinc fing	protein-coding
chr3-1836	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr3	1.84E+08	1.84E+08	+	0	NA	intron (N	MER1B|DNA	-30377	NM_018023	55689	Hs.632575	NM_018023	ENSG00000	YEATS2	-	YEATS dom	protein-coding
chr5-3492	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr5	34920863	34923809	+	0	NA	intron (N	intron (N	6625	NM_018321	55299	Hs.718510	NM_018321	ENSG00000	BRIX1	BRIX|BXDC	biogenesi	protein-coding
chr5-1329	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr5	1.33E+08	1.33E+08	+	0	NA	intron (N	AluJr4|SI	39832	NM_052971	116842	Hs.337588	NM_052971	ENSG00000	LEAP2	LEAP-2	liver enr	protein-coding
chr7-4447	8.203266	-0.22959	0.742192	-0.30935	0.757058	0.804401	chr7	44478376	44485860	+	0	NA	intron (N	intron (N	8540	NM_015332	23386	Hs.488171	NM_015332	ENSG00000	NUDCD3	NudCL	NudC doma	protein-coding
chr1-2331	8.230239	-0.22951	0.743602	-0.30865	0.757586	0.804401	chr1	23311768	23313835	+	0	NA	intron (N	intron (N	-27283	NR_110616	1.01E+08	Hs.99836	NR_110616		LINC01355	-	long inte	ncRNA
chr14-321	8.230239	-0.22951	0.743602	-0.30865	0.757586	0.804401	chr14	32136559	32139034	+	0	NA	intron (N	AluSq2|SI	60492	NM_001030	394	Hs.592313	NM_001173	ENSG00000	ARHGAP5	GFI2|RhoG	Rho GTPas	protein-coding
chr9-1333	8.230239	-0.22951	0.743602	-0.30865	0.757586	0.804401	chr9	1.33E+08	1.33E+08	+	0	NA	intron (N	intron (N	3135	NM_033161	6836	Hs.512465	NM_033161	ENSG00000	SURF4	ERV29	surfeit 4	protein-coding
chr14-544	8.188676	-0.22699	0.746975	-0.30388	0.761218	0.80803	chr14	54481398	54483766	+	0	NA	intron (N	Tigger19b	6398	NM_004124	2764	Hs.151413	NM_004124	ENSG00000	GMFB	GMF	glia matu	protein-coding
chr7-6611	8.161703	-0.22694	0.755156	-0.30052	0.763777	0.810517	chr7	66110201	66110428	+	0	NA	Intergeni	MLT1D|LTR	-4504	NR_024548	27297	Hs.300684	NM_014478	ENSG00000	CRCP	CGRP-RCP|	CGRP rece	protein-coding
chr21-912	12.66911	-0.14931	0.505531	-0.29535	0.767728	0.81448	chr21	9125121	9126143	+	0	NA	intron (N	MER57A1|L	4129	NR_038328	1E+08	Hs.487562	NM_174948	ENSG00000	TEKT4P2	MAFIPL|TE	tektin 4	pseudo
chr2-9405	10.02129	0.179666	0.637768	0.28171	0.778166	0.825321	chr2	9405726	9407139	+	0	NA	TTS (NM_0	TTS (NM_0	16159	NM_001319	9270	Hs.467662	NM_004763	ENSG00000	ITGB1BP1	ICAP-1A|I	integrin	protein-coding
chr5-3417	12.2761	0.144777	0.522977	0.276833	0.781908	0.829056	chr5	34178569	34179249	+	0	NA	intron (N	intron (N	-10672	NR_157803	646652	Hs.546584	NR_157803		LOC646652	-	integral	pseudo
chr16-150	12.14389	-0.14341	0.5262	-0.27254	0.78521	0.832322	chr16	15017600	15030455	+	0	NA	intron (N	intron (N	-13630	NR_036265	1E+08		NR_036265	ENSG00000	MIR1972-2	-	microRNA	ncRNA
chr18-235	8.323092	0.193758	0.73627	0.263162	0.792426	0.839735	chr18	23564444	23573598	+	0	NA	intron (N	intron (N	17485	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr6-7516	9.449194	-0.17526	0.673729	-0.26013	0.794762	0.841973	chr6	75163441	75163729	+	0	NA	intron (N	L1PA7|LIN	-34803	NR_145788	1.1E+08		NR_145788		SNORD156	-	small nuc	snoRNA
chr12-132	8.3253	0.188709	0.739059	0.255337	0.798463	0.845656	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	AluSx1|SI	3988	NM_183238	1E+08	Hs.29698	NM_183238	ENSG00000	ZNF605	-	zinc fing	protein-coding

chr10-683	9.432396	-0.16888	0.668261	-0.25272	0.800487	0.847323	chr10	68375449	68376209	+	0	NA	intron (N	AluSx|SIN	31360	NM_017987	55680	Hs.653144	NM_017987	ENSG00000	RUFY2	RABIP4R|Z	RUN and F	protein-coding
chr19-362	9.432396	-0.16888	0.668261	-0.25272	0.800487	0.847323	chr19	36226166	36241091	+	0	NA	intron (N	LTR5_Hs|L	12300	NM_001366	147929	Hs.596338	NM_152477	ENSG00000	ZNF565	-	zinc fing	protein-coding
chr4-6361	10.49477	0.154266	0.612851	0.251719	0.801258	0.847901	chr4	63613	63812	+	0	NA	intron (N	AluSx3|SI	10391	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr4-1508	8.921765	-0.16501	0.700892	-0.23542	0.813879	0.861014	chr4	1.51E+08	1.51E+08	+	0	NA	intron (N	L1PA4|LIN	119629	NM_001199	987	Hs.480938	NM_006726	ENSG00000	LRBA	BGL|CDC4L	LPS respo	protein-coding
chr4-4302	8.961121	-0.16272	0.701044	-0.2321	0.816457	0.863257	chr4	4302524	4303316	+	0	NA	exon (NM_	exon (NM_	12669	NR_138481	166793	Hs.419997	NM_145291	ENSG00000	ZBTB49	ZNF509	zinc fing	protein-coding
chr3-6760	8.907175	-0.16271	0.701029	-0.2321	0.816458	0.863257	chr3	67608971	67609621	+	0	NA	intron (N	intron (N	45318	NM_003848	8801	Hs.644919	NM_003848	ENSG00000	SUCLG2	G-SCS|GBE	succinate	protein-coding
chr4-6030	11.02	0.134105	0.582469	0.230235	0.817909	0.863605	chr4	60307	62494	+	0	NA	intron (N	AluSx1|SI	8079	NM_182524	152687	Hs.709469	NM_182524	ENSG00000	ZNF595	-	zinc fing	protein-coding
chr14-101	8.946531	-0.16042	0.698495	-0.22966	0.818357	0.863605	chr14	1.02E+08	1.02E+08	+	0	NA	intron (N	intron (N	14456	NM_001376	1778	Hs.614080	NM_001376	ENSG00000	DYNC1H1	CMT20|DHC	dynein cy	protein-coding
chr2-1731	8.946531	-0.16042	0.698495	-0.22966	0.818357	0.863605	chr2	1.73E+08	1.73E+08	+	0	NA	non-codin	non-codin	83583	NR_033882	339751	Hs.570083	NR_033882	ENSG00000	MAP3K20-A	MLK7-AS1	MAP3K20 a	ncRNA
chr9-4697	8.946531	-0.16042	0.698495	-0.22966	0.818357	0.863605	chr9	4697833	4698748	+	0	NA	intron (N	L1ME4a|LI	18721	NM_017913	55664	Hs.666439	NM_017913	ENSG00000	CDC37L1	CDC37B|HA	cell divi	protein-coding
chr1-1519	8.919557	-0.16042	0.698641	-0.22961	0.818394	0.863605	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	LTR12C|LT	2152	NM_053055	117145	Hs.164070	NM_053055	ENSG00000	THEM4	CTMP	thioester	protein-coding
chr17-455	8.919557	-0.16042	0.698641	-0.22961	0.818394	0.863605	chr17	45517621	45519917	+	0	NA	non-codin	non-codin	1754	NR_002940	55073	Hs.596756	NM_018001		LRRC37A4P	LRRC37|LF	leucine r	pseudo
chr19-533	8.919557	-0.16042	0.698641	-0.22961	0.818394	0.863605	chr19	53337478	53355056	+	0	NA	intron (N	L1M4c|LIN	12518	NM_138374	91664	Hs.720672	NM_138374	ENSG00000	ZNF845	-	zinc fing	protein-coding
chr10-124	8.850522	0.161983	0.710156	0.228096	0.819572	0.864587	chr10	1.25E+08	1.25E+08	+	0	NA	Intergeni	AluSg|SIN	-18989	NM_017580	54764	Hs.595158	NM_017580	ENSG00000	ZRANB1	TRABID	zinc fing	protein-coding
chr11-628	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr11	62882134	62890033	+	0	NA	intron (N	AluSz|SIN	4384	NR_037193	6520	Hs.502769	NM_002394	ENSG00000	SLC3A2	4F2|4F2HC	solute ca	protein-coding
chr12-716	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr12	71649708	71661837	+	0	NA	intron (N	L1ME1|LIN	8076	NM_144982	196441	Hs.245798	NM_144982	ENSG00000	ZFC3H1	CCDC131|C	zinc fing	protein-coding
chr13-114	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr13	1.14E+08	1.14E+08	+	0	NA	exon (NM_	exon (NM_	9002	NR_126391	1.04E+08	Hs.569217	NR_126391		LINC01054	-	long inte	ncRNA
chr14-940	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr14	94070870	94079445	+	0	NA	intron (N	L1ME1|LIN	6045	NM_020414	57062	Hs.510328	NM_020414	ENSG00000	DDX24	-	DEAD-box	protein-coding
chr16-214	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr16	21445392	21460814	+	0	NA	intron (N	intron (N	-18648	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr17-462	8.93194	-0.15813	0.698635	-0.22635	0.820933	0.864587	chr17	46213619	46223910	+	0	NA	intron (N	AluSz|SIN	6610	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr5-1402	8.944323	-0.15582	0.701011	-0.22228	0.824096	0.867313	chr5	1.4E+08	1.4E+08	+	0	NA	intron (N	AluSg|SIN	3223	NM_002622	5201	Hs.483564	NM_002622	ENSG00000	PFDN1	PDF|PFD1	prefoldin	protein-coding
chr7-1397	8.944323	-0.15582	0.701011	-0.22228	0.824096	0.867313	chr7	1.4E+08	1.4E+08	+	0	NA	intron (N	intron (N	8322	NM_001113	28996	Hs.731417	NM_022740	ENSG00000	HIPK2	PRO0593	homeodoma	protein-coding
chr2-7383	8.91735	-0.15582	0.701465	-0.22213	0.824212	0.867313	chr2	73831769	73833852	+	0	NA	intron (N	MER20|DNA	3843	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM bind	protein-coding
chr4-3956	8.942115	-0.15105	0.70878	-0.21311	0.831243	0.874466	chr4	39564652	39565221	+	0	NA	intron (N	AluJr|SIN	37097	NR_047679	1.01E+08	Hs.640769	NR_047679	ENSG00000	UGDH-AS1	-	UGDH anti	ncRNA
chr1-1103	9.331972	0.144978	0.681929	0.2126	0.831639	0.874625	chr1	1.1E+08	1.1E+08	+	0	NA	exon (NM_	exon (NM_	2171	NM_001201	64783	Hs.435947	NM_022768	ENSG00000	RBM15	OTT|OTT1|	RNA bindi	protein-coding
chr1-5388	8.448282	-0.15344	0.728734	-0.21055	0.833238	0.874625	chr1	53881919	53883486	+	0	NA	intron (N	AluJb|SIN	7095	NR_135075	54432	Hs.11923	NM_018982	ENSG00000	YIPF1	DJ167A19.	Yip1 doma	protein-coding
chr1-2428	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr1	24284	24692	+	0	NA	intron (N	intron (N	4882	NR_024540	653635	Hs.446466	NR_024540		WASH7P	FAM39F|WA	WASP fami	pseudo
chr1-3294	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr1	32940193	32948643	+	0	NA	intron (N	MIRb|SINE	20391	NM_001127	127544	Hs.591504	NM_153341	ENSG00000	RNF19B	IBRDC3|NK	ring fing	protein-coding
chr1-1126	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	intron (N	-24514	NM_020963	4343	Hs.514941	NM_020963	ENSG00000	MOV10	fSAP113|g	Mov10 RIS	protein-coding
chr1-1457	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr1	1.46E+08	1.46E+08	+	0	NA	intron (N	AluSz6|SI	36196	NM_014455	27246	Hs.523550	NM_014455	ENSG00000	RNF115	BCA2|ZNF3	ring fing	protein-coding
chr10-576	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr10	5763457	5770316	+	0	NA	intron (N	intron (N	46548	NM_001494	2665	Hs.299055	NM_001494	ENSG00000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr10-578	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr10	5780739	5791854	+	0	NA	intron (N	AluSx1|SI	27138	NM_001494	2665	Hs.299055	NM_001494	ENSG00000	GDI2	HEL-S-46e	GDP disso	protein-coding
chr11-595	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr11	59575638	59603620	+	0	NA	intron (N	AluSx1|SI	5529	NR_036120	1E+08		NR_036120	ENSG00000	MIR3162	mir-3162	microRNA	ncRNA
chr12-110	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr12	1.1E+08	1.1E+08	+	0	NA	intron (N	AluSx1|SI	18295	NM_033121	88455	Hs.528703	NM_033121	ENSG00000	ANKRD13A	ANKRD13|N	ankyrin r	protein-coding
chr18-235	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr18	23524507	23546150	+	0	NA	intron (N	intron (N	31817	NM_013326	29919	Hs.464779	NM_013326	ENSG00000	RMC1	C18orf8|F	regulator	protein-coding
chr19-197	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr19	19784287	19820568	+	0	NA	intron (N	intron (N	19323	NM_001099	440515	Hs.351906	NM_001099	ENSG00000	ZNF506	-	zinc fing	protein-coding
chr4-8006	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr4	80065382	80069417	+	0	NA	intron (N	intron (N	5830	NM_058172	118429	Hs.162963	NM_058172	ENSG00000	ANTXR2	CMG-2|CMG	ANTXR cel	protein-coding
chr5-3492	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr5	34924754	34926398	+	0	NA	3’ UTR (N	3’ UTR (N	-3983	NM_001012	134218	Hs.131887	NM_194283	ENSG00000	DNAJC21	BMFS3|DNA	DnaJ heat	protein-coding
chr8-6445	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr8	6445082	6445908	+	0	NA	exon (NM_	exon (NM_	38342	NM_001322	79648	Hs.593807	NM_024596	ENSG00000	MCPH1	BRIT1|MCT	microceph	protein-coding
chr8-9734	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr8	9734422	9736281	+	0	NA	intron (N	intron (N	-6321	NR_030327	693182		NR_030327	ENSG00000	MIR597	MIRN597|h	microRNA	ncRNA
chr8-1277	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr8	1.28E+08	1.28E+08	+	0	NA	intron (N	intron (N	4156	NM_002467	4609	Hs.202453	NM_002467	ENSG00000	MYC	MRTL|MYCC	MYC proto	protein-coding
chr9-9227	8.433692	-0.15095	0.727294	-0.20755	0.835578	0.874625	chr9	92278917	92289660	+	0	NA	intron (N	L1MC5|LIN	8259	NR_037424	1.01E+08		NR_037424	ENSG00000	MIR3651	mir-3651	microRNA	ncRNA
chr2-2071	8.460665	-0.15097	0.730122	-0.20677	0.836192	0.874782	chr2	2.07E+08	2.07E+08	+	0	NA	exon (NM_	exon (NM_	10088	NM_001270	8609	Hs.59908	NM_003709	ENSG00000	KLF7	UKLF	Kruppel l	protein-coding
chr4-1503	8.460665	-0.15097	0.730122	-0.20677	0.836192	0.874782	chr4	15032953	15033979	+	0	NA	intron (N	MIR|SINE|	30985	NM_001177	132864	Hs.656937	NM_182485	ENSG00000	CPEB2	CPE-BP2|C	cytoplasm	protein-coding
chr11-121	8.379745	-0.15092	0.738957	-0.20423	0.838172	0.876074	chr11	12162294	12163180	+	0	NA	promoter-	promoter-	658	NM_001282	9645	Hs.501928	NM_014632	ENSG00000	MICAL2	MICAL-2|M	microtubu	protein-coding
chr17-685	8.446074	-0.14848	0.728677	-0.20377	0.838534	0.876074	chr17	68515531	68520386	+	0	NA	intron (N	THE1C-int	2564	NM_001276	5573	Hs.280342	NM_002734	ENSG00000	PRKAR1A	ACRDYS1|A	protein k	protein-coding
chr18-459	8.446074	-0.14848	0.728677	-0.20377	0.838534	0.876074	chr18	45934692	45950430	+	0	NA	intron (N	AluSz6|SI	24768	NM_020964	57724	Hs.514843	NM_020964	ENSG00000	EPG5	HEEW1|KIA	ectopic P	protein-coding
chr16-294	8.419101	-0.14847	0.728883	-0.2037	0.838592	0.876074	chr16	29441897	29449939	+	0	NA	intron (N	(AAAAG)n|	1108	NR_135312	1E+08	Hs.552700	NR_135312	ENSG00000	SMG1P6	-	SMG1 pseu	pseudo
chr2-7385	8.419101	-0.14847	0.728883	-0.2037	0.838592	0.876074	chr2	73852779	73855867	+	0	NA	intron (N	intron (N	25356	NM_001353	10617	Hs.469018	NM_006463	ENSG00000	STAMBP	AMSH|MICC	STAM bind	protein-coding
chr16-494	12.8478	-0.10062	0.497699	-0.20216	0.839788	0.877081	chr16	494787	495008	+	0	NA	intron (N	intron (N	19973	NM_001142	9727	Hs.531642	NM_014700	ENSG00000	RAB11FIP3	CART1|FIF	RAB11 fam	protein-coding
chr15-694	8.431484	-0.14598	0.730275	-0.1999	0.841558	0.877712	chr15	69453284	69456910	+	0	NA	intron (N	intron (N	2279	NM_001003	6176	Hs.356502	NM_001003	ENSG00000	RPLP1	LP1|P1|RF	ribosomal	protein-coding
chr16-295	8.431484	-0.14598	0.730275	-0.1999	0.841558	0.877712	chr16	29522937	29524223	+	0	NA	Intergeni	AluSz|SIN	-17706	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr4-6710	8.431484	-0.14598	0.730275	-0.1999	0.841558	0.877712	chr4	671079	673214	+	0	NA	TTS (NM_0	TTS (NM_0	2130	NM_007100	521	Hs.85539	NM_007100	ENSG00000	ATP5ME	ATP5I|ATF	ATP synth	protein-coding
chr7-1732	8.431484	-0.14598	0.730275	-0.1999	0.841558	0.877712	chr7	17328837	17338544	+	0	NA	intron (N	intron (N	35038	NM_001621	196	Hs.171189	NM_001621	ENSG00000	AHR	RP85|bHLH	aryl hydr	protein-coding
chr9-3332	8.431484	-0.14598	0.730275	-0.1999	0.841558	0.877712	chr9	33321683	33325591	+	0	NA	intron (N	AluSg|SIN	33121	NM_002504	4799	Hs.413074	NM_002504	ENSG00000	NFX1	NFX2|TEG-	nuclear t	protein-coding
chr16-572	8.377538	-0.14581	0.743043	-0.19623	0.844432	0.880465	chr16	57239032	57239581	+	0	NA	3’ UTR (N	3’ UTR (N	-5953	NM_012106	23568	Hs.632873	NM_012106	ENSG00000	ARL2BP	BART|BART	ADP ribos	protein-coding
chr8-9814	8.443867	-0.14343	0.734402	-0.1953	0.845156	0.880975	chr8	98149848	98152111	+	0	NA	intron (N	intron (N	33139	NM_015029	10940	Hs.252828	NM_015029	ENSG00000	POP1	ANXD2	POP1 homo	protein-coding
chr18-458	8.38992	-0.14328	0.741718	-0.19317	0.846822	0.882468	chr18	45882011	45882524	+	0	NA	intron (N	intron (N	56592	NM_213602	284266	Hs.287692	NM_213602	ENSG00000	SIGLEC15	CD33L3|Hs	sialic ac	protein-coding
chr12-122	9.820046	0.117218	0.647511	0.181029	0.856344	0.892144	chr12	1.23E+08	1.23E+08	+	0	NA	intron (N	intron (N	2217	NR_036436	65117	Hs.432996	NM_023012	ENSG00000	RSRC2	-	arginine	protein-coding
chr2-9722	9.834636	0.115176	0.647288	0.177937	0.858773	0.894426	chr2	97224462	97228241	+	0	NA	intron (N	L1PA3|LIN	-52366	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr1-1661	10.16107	-0.1103	0.626629	-0.17602	0.860281	0.895749	chr1	16617334	16620505	+	0	NA	non-codin	non-codin	-5314	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr19-346	10.14648	-0.10845	0.626844	-0.17301	0.862646	0.897964	chr19	34678727	34685771	+	0	NA	intron (N	MSTD|LTR|	4571	NM_001289	55900	Hs.436350	NM_018443	ENSG00000	ZNF302	HSD16|MST	zinc fing	protein-coding
chr5-6989	8.063486	0.12954	0.76561	0.169198	0.865641	0.900831	chr5	69897330	69897668	+	0	NA	TTS (NR_1	TTS (NR_1	4071	NR_160659	1.03E+08	Hs.711155	NR_160659		LOC102724	-	POM121 tr	pseudo
chr1-7790	8.051103	0.126998	0.765487	0.165905	0.868231	0.903277	chr1	77906722	77907011	+	0	NA	intron (N	AluJr|SIN	-17327	NR_103535	374987	Hs.632414	NM_199343	ENSG00000	NEXN-AS1	C1orf118	NEXN anti	ncRNA
chr18-235	8.092667	0.12372	0.750198	0.164917	0.86901	0.903535	chr18	23549373	23563600	+	0	NA	exon (NM_	exon (NM_	30020	NM_000271	4864	Hs.464779	NM_000271	ENSG00000	NPC1	NPC|POGZ|	NPC intra	protein-coding
chr3-4935	8.092667	0.12372	0.750198	0.164917	0.86901	0.903535	chr3	49354577	49357795	+	0	NA	TTS (NM_2	TTS (NM_2	2167	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHP	glutathio	protein-coding
chr1-1538	8.11964	0.123448	0.751035	0.164371	0.869439	0.903535	chr1	1.54E+08	1.54E+08	+	0	NA	intron (N	FAM|SINE|	23760	NM_020699	57459	Hs.4779	NM_020699	ENSG00000	GATAD2B	MRD18|P66	GATA zinc	protein-coding
chr1-2240	8.11964	0.123448	0.751035	0.164371	0.869439	0.903535	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	L1MC4|LIN	14837	NR_136593	1E+08	Hs.568390	NR_136590		LOC100287	-	septin 7	pseudo
chr5-2147	12.35531	-0.08476	0.520773	-0.16276	0.870704	0.904011	chr5	21478808	21479437	+	0	NA	intron (N	AluY|SINE	19642	NR_027026	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr1-1519	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr1	1.52E+08	1.52E+08	+	0	NA	intron (N	intron (N	9411	NM_002966	6281	Hs.143873	NM_002966	ENSG00000	S100A10	42C|ANX2L	S100 calc	protein-coding
chr11-128	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr11	1.28E+08	1.28E+08	+	0	NA	intron (N	MIRb|SINE	37019	NM_001162	2113	Hs.369438	NM_005238	ENSG00000	ETS1	ETS-1|EWS	ETS proto	protein-coding
chr16-214	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr16	21461847	21463952	+	0	NA	intron (N	Tigger4a|	-28444	NR_024456	1E+08	Hs.648439	NR_024456		LOC100190	-	uncharact	ncRNA
chr16-214	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr16	21482485	21485834	+	0	NA	intron (N	intron (N	-17367	NR_027460	1E+08	Hs.709576	NR_027460		RRN3P3	-	RRN3 homo	pseudo
chr18-870	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr18	8708366	8710375	+	0	NA	Intergeni	AluJr4|SI	-1749	NR_120598	1E+08	Hs.439434	NR_120598	ENSG00000	GACAT2	MTCL1-AS1	gastric c	ncRNA
chr9-6567	8.107257	0.120972	0.748346	0.161653	0.871579	0.904011	chr9	65679398	65687836	+	0	NA	intron (N	intron (N	7689	NM_001363	220869	Hs.355950	NM_001024	ENSG00000	CBWD5	CBWD3|DC3	COBW doma	protein-coding
chr6-7384	8.13423	0.120699	0.752813	0.160331	0.87262	0.904842	chr6	73847240	73848269	+	0	NA	Intergeni	L1PA3|LIN	151551	NM_133493	135228	Hs.399891	NM_133493	ENSG00000	CD109	CPAMD7|p1	CD109 mol	protein-coding
chr1-2280	8.094874	0.118518	0.748234	0.158397	0.874144	0.905923	chr1	2.28E+08	2.28E+08	+	0	NA	intron (N	intron (N	811	NM_001024	375	Hs.286221	NM_001658	ENSG00000	ARF1	PVNH8	ADP ribos	protein-coding
chr4-1026	8.094874	0.118518	0.748234	0.158397	0.874144	0.905923	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	intron (N	96654	NM_005908	4126	Hs.480415	NM_005908	ENSG00000	MANBA	MANB1	mannosida	protein-coding
chr12-649	8.082492	0.116046	0.750699	0.154584	0.877149	0.908787	chr12	6499189	6499736	+	0	NA	intron (N	AluSx1|SI	5360	NM_014865	9918	Hs.5719	NM_014865	ENSG00000	NCAPD2	CAP-D2|CN	non-SMC c	protein-coding
chr14-608	8.097082	0.113272	0.752483	0.150531	0.880346	0.911848	chr14	60847019	60847504	+	0	NA	intron (N	AluYk2|SI	112500	NM_002431	4331	Hs.509523	NM_002431	ENSG00000	MNAT1	CAP35|MAT	MNAT1 com	protein-coding
chr19-145	9.660614	-0.09748	0.655433	-0.14873	0.881766	0.913067	chr19	14513603	14517320	+	0	NA	3’ UTR (N	3’ UTR (N	2401	NM_001300	3337	Hs.515210	NM_006145	ENSG00000	DNAJB1	HSPF1|Hdj	DnaJ heat	protein-coding
chr5-2149	16.32511	-0.05745	0.394184	-0.14575	0.884121	0.915254	chr5	21494357	21497141	+	0	NA	intron (N	AluJo|SIN	36269	NR_027026	728411	Hs.88181	NM_207331	ENSG00000	GUSBP1	-	GUSB pseu	pseudo
chr14-496	9.672997	-0.09547	0.657294	-0.14525	0.884514	0.915409	chr14	49617978	49619508	+	0	NA	3’ UTR (N	3’ UTR (N	1883	NM_001001	6166	Hs.444749	NM_001001	ENSG00000	RPL36AL	RPL36A	ribosomal	protein-coding
chr1-2043	8.605506	0.097763	0.720524	0.135683	0.892072	0.922104	chr1	2.04E+08	2.04E+08	+	0	NA	Intergeni	AluJb|SIN	12329	NM_032833	84919	Hs.304376	NM_032833	ENSG00000	PPP1R15B	CREP|MSSC	protein p	protein-coding
chr15-632	8.605506	0.097763	0.720524	0.135683	0.892072	0.922104	chr15	63245270	63247030	+	0	NA	intron (N	AluSp|SIN	-31400	NM_001145	83464	Hs.511703	NM_031301	ENSG00000	APH1B	APH-1B|PF	aph-1 hom	protein-coding
chr7-7409	8.605506	0.097763	0.720524	0.135683	0.892072	0.922104	chr7	74095396	74097698	+	0	NA	intron (N	intron (N	3330	NM_001204	3984	Hs.647035	NM_002314	ENSG00000	LIMK1	LIMK|LIMK	LIM domai	protein-coding
chr7-8091	8.605506	0.097763	0.720524	0.135683	0.892072	0.922104	chr7	80914797	80916795	+	0	NA	intron (N	intron (N	3255	NM_006379	10512	Hs.269109	NM_006379	ENSG00000	SEMA3C	SEMAE|Sem	semaphori	protein-coding
chr5-7394	9.125217	-0.09421	0.695224	-0.13551	0.892209	0.922104	chr5	73942929	73943247	+	0	NA	Intergeni	MLT1A0|LT	129542	NM_001244	64283	Hs.482521	NM_001080	ENSG00000	ARHGEF28	RGNEF|RIF	Rho guani	protein-coding
chr10-873	8.620096	0.095237	0.720406	0.132199	0.894827	0.924556	chr10	87332360	87335942	+	0	NA	intron (N	intron (N	-8260	NR_029408	439994	Hs.651188	NR_029408	ENSG00000	LINC00863	-	long inte	ncRNA
chr4-1218	8.58074	0.093172	0.720439	0.129326	0.897099	0.926472	chr4	1.22E+08	1.22E+08	+	0	NA	intron (N	AluJb|SIN	15353	NM_176824	55212	Hs.591694	NM_018190	ENSG00000	BBS7	BBS2L1	Bardet-Bi	protein-coding
chr1-2004	8.607713	0.092946	0.719209	0.129233	0.897173	0.926472	chr1	2E+08	2E+08	+	0	NA	3’ UTR (N	3’ UTR (N	4767	NM_001281	23528	Hs.59757	NM_012482	ENSG00000	ZNF281	ZBP-99|ZN	zinc fing	protein-coding
chr2-9724	9.162366	-0.08751	0.685085	-0.12774	0.898352	0.927252	chr2	97245385	97246000	+	0	NA	exon (NM_	exon (NM_	-33025	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr2-2034	9.230902	-0.09007	0.705557	-0.12766	0.898422	0.927252	chr2	2.03E+08	2.03E+08	+	0	NA	intron (N	AluJb|SIN	81978	NM_213589	65059	Hs.471162	NM_025252	ENSG00000	RAPH1	ALS2CR18|	Ras assoc	protein-coding
chr18-797	9.147775	-0.08529	0.685252	-0.12447	0.900947	0.929348	chr18	79720452	79745328	+	0	NA	intron (N	intron (N	51460	NM_001202	9150	Hs.465490	NM_004715	ENSG00000	CTDP1	CCFDN|FCP	CTD phosp	protein-coding
chr19-523	9.147775	-0.08529	0.685252	-0.12447	0.900947	0.929348	chr19	52394087	52396588	+	0	NA	intron (N	L1MD|LINE	2420	NR_125345	1.03E+08	Hs.188680	NR_125345	ENSG00000	ZNF528-AS	-	ZNF528 an	ncRNA
chr16-295	9.160158	-0.08311	0.686314	-0.1211	0.903612	0.931842	chr16	29525713	29534177	+	0	NA	Intergeni	Intergeni	-24071	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr2-7136	9.172541	-0.08089	0.689594	-0.1173	0.906622	0.93469	chr2	71365905	71366439	+	0	NA	intron (N	AluJb|SIN	34390	NM_014497	27332	Hs.434401	NM_014497	ENSG00000	ZNF638	NP220|ZFM	zinc fing	protein-coding
chr11-512	8.653942	-0.08398	0.728099	-0.11534	0.908175	0.936034	chr11	51261083	51261309	+	0	NA	Intergeni	ALR/Alpha	852049	NR_024504	646813	Hs.684179	NR_024504		LOC646813	-	DExH-box	pseudo
chr1-2006	9.15795	-0.07858	0.692412	-0.11349	0.909642	0.93729	chr1	2.01E+08	2.01E+08	+	0	NA	intron (N	intron (N	8575	NM_001320	83479	Hs.497332	NM_031306	ENSG00000	DDX59	OFD5|ZNHI	DEAD-box	protein-coding
chr15-820	9.130977	-0.07848	0.694646	-0.11298	0.910049	0.937453	chr15	82043131	82043377	+	0	NA	exon (NM_	exon (NM_	2764	NM_032246	84206	Hs.104744	NM_032246	ENSG00000	MEX3B	MEX-3B|RK	mex-3 RNA	protein-coding
chr14-709	9.104004	-0.07826	0.702159	-0.11146	0.911252	0.938435	chr14	70951180	70951607	+	0	NA	intron (N	AluSx|SIN	43934	NM_001308	22990	Hs.446559	NM_014982	ENSG00000	PCNX1	PCNX|PCNX	pecanex 1	protein-coding
chr10-125	8.69109	-0.07667	0.720557	-0.1064	0.915265	0.94231	chr10	1.26E+08	1.26E+08	+	0	NA	intron (N	intron (N	2105	NR_110859	26098	Hs.468688	NM_015608	ENSG00000	EDRF1	C10orf137	erythroid	protein-coding
chr22-311	9.105962	0.07254	0.689348	0.10523	0.916193	0.943008	chr22	31176224	31176752	+	0	NA	intron (N	AluY|SINE	16306	NM_152267	91445	Hs.517553	NM_152267	ENSG00000	RNF185	-	ring fing	protein-coding
chr17-462	8.649527	-0.07411	0.714755	-0.10368	0.917421	0.943441	chr17	46212302	46212601	+	0	NA	intron (N	AluSc5|SI	12923	NM_001193	284058	Hs.648744	NM_015443	ENSG00000	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr6-8546	8.649527	-0.07411	0.714755	-0.10368	0.917421	0.943441	chr6	85467238	85467494	+	0	NA	intron (N	intron (N	17283	NM_002526	4907	Hs.153952	NM_002526	ENSG00000	NT5E	CALJA|CD7	5’-nucle	protein-coding
chr12-106	8.6765	-0.07419	0.716149	-0.1036	0.917488	0.943441	chr12	10609900	10610384	+	0	NA	intron (N	intron (N	2836	NM_001300	55110	Hs.104650	NM_018048	ENSG00000	MAGOHB	MGN2|mago	mago homo	protein-coding
chr16-219	9.120552	0.070228	0.690559	0.101697	0.918997	0.943441	chr16	21913843	21915899	+	0	NA	Intergeni	Intergeni	-38490	NM_003366	7385	Hs.528803	NM_003366	ENSG00000	UQCRC2	MC3DN5|QC	ubiquinol	protein-coding
chr20-294	13.53245	0.047914	0.472233	0.101463	0.919183	0.943441	chr20	29472693	29476074	+	0	NA	Intergeni	Intergeni	22951	NR_146067	1.03E+08		NR_146067		FRG1EP	-	FSHD regi	pseudo
chr10-380	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr10	38095444	38107671	+	0	NA	intron (N	L1MB2|LIN	7220	NM_001324	7587	Hs.292575	NM_003421	ENSG00000	ZNF37A	KOX21|ZNF	zinc fing	protein-coding
chr14-520	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr14	52026827	52029788	+	0	NA	intron (N	AluJo|SIN	38761	NM_016039	51637	Hs.534457	NM_016039	ENSG00000	RTRAF	C14orf166	RNA trans	protein-coding
chr16-302	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr16	30272291	30296781	+	0	NA	TTS (NR_0	TTS (NR_0	-36123	NM_001321	613037	Hs.585733	NM_001321	ENSG00000	NPIPB13	-	nuclear p	protein-coding
chr17-292	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr17	29269738	29290583	+	0	NA	intron (N	intron (N	13988	NM_020772	57532	Hs.462598	NM_020772	ENSG00000	NUFIP2	182-FIP|8	nuclear F	protein-coding
chr19-964	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr19	9640997	9662746	+	0	NA	3’ UTR (N	3’ UTR (N	23229	NM_001130	54811	Hs.371107	NM_017656	ENSG00000	ZNF562	-	zinc fing	protein-coding
chr20-185	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr20	18525256	18527456	+	0	NA	intron (N	intron (N	18416	NM_006363	10483	Hs.369373	NM_006363	ENSG00000	SEC23B	CDA-II|CD	SEC23 hom	protein-coding
chr3-4935	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr3	49359208	49377206	+	0	NA	intron (N	AluSx|SIN	-9607	NM_001329	2876	Hs.76686	NM_000581	ENSG00000	GPX1	GPXD|GSHP	glutathio	protein-coding
chr5-1348	8.661909	-0.07176	0.714784	-0.1004	0.920027	0.943441	chr5	1.35E+08	1.35E+08	+	0	NA	intron (N	AluSp|SIN	2433	NM_001300	134553	Hs.708536	NM_152409	ENSG00000	C5orf24	-	chromosom	protein-coding
chr6-7141	8.634936	-0.07168	0.716341	-0.10007	0.920292	0.943441	chr6	71414364	71417634	+	0	NA	non-codin	non-codin	4746	NR_121614	79940	Hs.368337	NR_026807	ENSG00000	LINC00472	C6orf155|	long inte	ncRNA
chr9-1311	8.688882	-0.07183	0.718643	-0.09996	0.920377	0.943441	chr9	1.31E+08	1.31E+08	+	0	NA	exon (NM_	exon (NM_	25055	NM_001318	8021	Hs.654530	NM_005085	ENSG00000	NUP214	CAIN|CAN	nucleopor	protein-coding
chr1-1659	15.81423	0.040649	0.407938	0.099645	0.920626	0.943441	chr1	16593136	16593576	+	0	NA	intron (N	intron (N	20249	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr21-437	9.10817	0.068099	0.690576	0.098611	0.921447	0.943899	chr21	43772157	43775522	+	0	NA	3’ UTR (N	3’ UTR (N	2536	NM_000100	1476	Hs.695	NM_000100	ENSG00000	CSTB	CPI-B|CST	cystatin	protein-coding
chr16-294	10.87515	-0.05784	0.587481	-0.09845	0.921575	0.943899	chr16	29451261	29453710	+	0	NA	intron (N	intron (N	1720	NR_135304	552900	Hs.444600	NM_001031	ENSG00000	BOLA2	BOLA2A|BO	bolA fami	protein-coding
chr9-6385	8.647319	-0.06933	0.716372	-0.09678	0.922903	0.945003	chr9	63851148	63852134	+	0	NA	intron (N	AluJr|SIN	7993	NR_033907	642236	Hs.650100	NR_033907		FRG1JP	-	FSHD regi	pseudo
chr1-1660	15.32641	-0.04023	0.417886	-0.09627	0.923305	0.945156	chr1	16600571	16609091	+	0	NA	intron (N	intron (N	8774	NM_017940	55672	Hs.467587	NM_017940	ENSG00000	NBPF1	AB13|AB14	NBPF memb	protein-coding

chr19-565	10.88754	-0.05625	0.588049	-0.09566	0.923789	0.945395	chr19	56568505	56581890	+	0	NA	intron (N	(TTT)n|Si	7729	NM_001001	388566	Hs.204449	NM_001001	ENSG0000(	ZNF470	CZF-1	zinc fing	protein-coding
chr17-819	8.632729	-0.06683	0.721005	-0.09269	0.926151	0.947555	chr17	81911773	81916124	+	0	NA	intron (N	intron (N	-2549	NM_001184	5833	Hs.569843	NM_002861	ENSG0000(	PCYT2	ET	phosphate	protein-coding
chr22-109	13.04463	-0.0453	0.491756	-0.09213	0.926597	0.947753	chr22	10957519	10957891	+	0	NA	intron (N	L1MEc|LIN	3824	NR_13232(	1.03E+08		NR_132320		FRG1FP	-	FSHD regi	pseudo
chr18-459	9.602003	0.05833	0.665939	0.08759	0.930203	0.951183	chr18	45952074	45953518	+	0	NA	intron (N	intron (N	14533	NM_020964	57724	Hs.514843	NM_020964	ENSG0000(	EPG5	HEEW1|KIA	ectopic F	protein-coding
chr5-7856	8.657494	-0.06188	0.72869	-0.08491	0.932329	0.9521	chr5	78560236	78560465	+	0	NA	intron (N	intron (N	88422	NM_005779	10184	Hs.79299	NM_005779	ENSG0000(	LHFPL2	-	LHFPL tet	protein-coding
chr8-1254	9.58962	0.056293	0.663175	0.084884	0.932354	0.9521	chr8	12540945	12542058	+	0	NA	intron (N	AluSc|SIN	104488	NR_040091	1.01E+08	Hs.656893	NR_040091		LOC100506	-	uncharact	ncRNA
chr1-2066	8.151278	-0.06167	0.74509	-0.08277	0.934036	0.9521	chr1	2.07E+08	2.07E+08	+	0	NA	intron (N	AluJr4|SI	2012	NM_006893	1939	Hs.497581	NM_006893	ENSG0000(	EIF2D	HCA56|LGT	eukaryoti	protein-coding
chr9-9208	8.151278	-0.06167	0.74509	-0.08277	0.934036	0.9521	chr9	92086069	92089265	+	0	NA	intron (N	L1PA3|LIN	27746	NM_006415	10558	Hs.90458	NM_006415	ENSG0000(	SPTLC1	HSAN1|HSN	serine pa	protein-coding
chr16-150	11.80286	0.044393	0.543446	0.081688	0.934895	0.9521	chr16	15015088	15016908	+	0	NA	intron (N	intron (N	-5601	NR_036265	1E+08		NR_036265	ENSG0000(	MIR1972-2	-	microRNA	ncRNA
chr2-1135	16.25412	0.03189	0.396338	0.080461	0.935871	0.9521	chr2	1.14E+08	1.14E+08	+	0	NA	intron (N	AluSp|SIN	2840	NR_024077	375260	Hs.446466	NM_198943	ENSG0000(	WASH2P	FAM39B	WASP fami	pseudo
chr12-760	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr12	76047903	76074333	+	0	NA	intron (N	intron (N	23567	NM_139207	4673	Hs.524599	NM_004537	ENSG0000(	NAP1L1	NAP1|NAP1	nucleosom	protein-coding
chr12-105	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr12	1.05E+08	1.05E+08	+	0	NA	intron (N	intron (N	19623	NM_001251	55198	Hs.506603	NM_018171	ENSG0000(	APPL2	DIP13B	adaptor p	protein-coding
chr12-133	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr12	1.33E+08	1.33E+08	+	0	NA	intron (N	L2c|LINE|	6553	NM_015394	7556	Hs.573983	NM_015394	ENSG0000(	ZNF10	KOX1	zinc fing	protein-coding
chr13-363	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr13	36321913	36323471	+	0	NA	intron (N	L4_A_Mam|	23702	NM_015087	23111	Hs.440414	NM_015087	ENSG0000(	SPART	SPG20|TAF	spartin	protein-coding
chr15-519	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr15	51957799	51958505	+	0	NA	intron (N	intron (N	13626	NM_138792	123169	Hs.567662	NM_138792	ENSG0000(	LEO1	RDL	LEO1 homo	protein-coding
chr17-304	8.163661	-0.05914	0.743822	-0.07951	0.93663	0.9521	chr17	30460830	30463189	+	0	NA	exon (NM_	exon (NM_	-15399	NM_004871	9527	Hs.462680	NM_004871	ENSG0000(	GOSR1	GOLIM2|GO	golgi SNA	protein-coding
chr16-149	11.81746	0.043027	0.54203	0.079381	0.93673	0.9521	chr16	14997243	15013793	+	0	NA	intron (N	intron (N	4879	NR_036054	1E+08		NR_036054	ENSG0000(	MIR1972-1	MIR1972|h	microRNA	ncRNA
chr17-408	8.190634	-0.05926	0.748631	-0.07916	0.936906	0.9521	chr17	40817043	40817873	+	0	NA	TTS (NM_0	TTS (NM_0	-1687	NR_160887	147184	Hs.353163	NM_145274	ENSG0000(	TMEM99	-	transmemb	ncRNA
chr2-9722	9.591828	0.052176	0.659676	0.079093	0.936958	0.9521	chr2	97229833	97231776	+	0	NA	intron (N	L1PA3|LIN	-47913	NR_103732	1.01E+08	Hs.732616	NR_103732		LOC100506	-	uncharact	ncRNA
chr1-1791	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr1	1.79E+08	1.79E+08	+	0	NA	intron (N	intron (N	21501	NM_005158	27	Hs.159472	NM_005158	ENSG0000(	ABL2	ABLL|ARG	ABL proto	protein-coding
chr10-104	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr10	1.04E+08	1.04E+08	+	0	NA	intron (N	L1ME3A|LI	2990	NR_039702	1.01E+08		NR_039702	ENSG0000(	MIR4482	MIR4482-1	microRNA	ncRNA
chr14-572	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr14	57273821	57275946	+	0	NA	exon (NM_	exon (NM_	5912	NM_018229	55745	Hs.597349	NM_018229	ENSG0000(	AP5M1	C14orf108	adaptor r	protein-coding
chr15-490	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr15	49041494	49043093	+	0	NA	intron (N	L1M3|LINE	4153	NM_014701	9728	Hs.9997	NM_014701	ENSG0000(	SECISBP2L	SBP2L|SLA	SECIS bin	protein-coding
chr17-542	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr17	5423096	5425163	+	0	NA	intron (N	AluJr|SIN	-4390	NM_00132(	4927	Hs.584784	NM_002532	ENSG0000(	NUP88	FADS4	nucleopor	protein-coding
chr17-424	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr17	42460991	42472855	+	0	NA	intron (N	AluY|SINE	8045	NM_00113(	535	Hs.463074	NM_005177	ENSG0000(	ATP6V0A1	ATP6N1|AT	ATPase H+	protein-coding
chr19-183	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr19	18349899	18364463	+	0	NA	intron (N	intron (N	16583	NM_00130(	54858	Hs.131776	NM_017712	ENSG0000(	PGPEP1	PAP-I|PGI	pyrogluta	protein-coding
chr19-515	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr19	51573469	51590707	+	0	NA	intron (N	L1M5|LINE	10805	NR_136208	7728	Hs.119014	NM_007147	ENSG0000(	ZNF175	OTK18	zinc fing	protein-coding
chr21-293	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr21	29326232	29330279	+	0	NA	intron (N	intron (N	23051	NR_027655	571	Hs.154276	NM_00118(	ENSG0000(	BACH1	BACH-1|BT	BTB domai	protein-coding
chr3-1490	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr3	1.49E+08	1.49E+08	+	0	NA	intron (N	MER1B|DNA	33996	NM_001184	2992	Hs.477892	NM_00413(	ENSG0000(	GYG1	GSD15|GYG	glycogeni	protein-coding
chr5-3241	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr5	32412408	32415423	+	0	NA	intron (N	intron (N	-19440	NR_030305	693164		NR_030305	ENSG0000(	MIR579	MIRN579|h	microRNA	ncRNA
chr8-9101	8.14907	-0.05651	0.743859	-0.07597	0.93944	0.9521	chr8	91014277	91021348	+	0	NA	intron (N	intron (N	23047	NM_01871(	55529	Hs.202517	NM_01871(	ENSG0000(	PIP4P2	TMEM55A	phosphati	protein-coding
chr1-1554	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr1	1.55E+08	1.55E+08	+	0	NA	exon (NM_	exon (NM_	48032	NR_03418(	645682	Hs.632482	NR_03418(	ENSG0000(	POU5F1P4	OCT3|OCT4	POU class	pseudo
chr12-958	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr12	95861521	95863877	+	0	NA	intron (N	L1MB3|LIN	3747	NM_003095	6636	Hs.105465	NM_003095	ENSG0000(	SNRPF	SMF|Sm-F|	small nuc	protein-coding
chr14-506	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr14	50659282	50665767	+	0	NA	intron (N	intron (N	5782	NM_021818	60485	Hs.642842	NM_021818	ENSG0000(	SAV1	SAV|WW45|	salvador	protein-coding
chr5-1591	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr5	1.59E+08	1.59E+08	+	0	NA	intron (N	AluJb|SIN	17459	NM_001199	153830	Hs.349306	NM_144726	ENSG0000(	RNF145	-	ring fing	protein-coding
chr7-2297	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr7	22974429	22976891	+	0	NA	intron (N	intron (N	38470	NM_001363	84668	Hs.85603	NM_032581	ENSG0000(	FAM126A	DRCTNNB1A	family wi	protein-coding
chr8-3899	8.176043	-0.05661	0.745283	-0.07596	0.93945	0.9521	chr8	38991857	38995260	+	0	NA	exon (NM_	exon (NM_	2951	NM_03194(	83877	Hs.7471	NM_03194(	ENSG0000(	TM2D2	BLP1	TM2 domai	protein-coding
chr20-114	11.81966	0.040391	0.541903	0.074536	0.940584	0.952993	chr20	1149818	1150098	+	0	NA	intron (N	AluJb|SIN	31356	NM_001323	9491	Hs.471917	NM_006814	ENSG0000(	PSMF1	PI31	proteasom	protein-coding
chr10-723	8.161453	-0.05398	0.745323	-0.07242	0.942265	0.953183	chr10	72339568	72341134	+	0	NA	intron (N	AluSx|SIN	14568	NM_017626	54788	Hs.500013	NM_017626	ENSG0000(	DNAJB12	DJ10	DnaJ heat	protein-coding
chr16-158	8.161453	-0.05398	0.745323	-0.07242	0.942265	0.953183	chr16	15881718	15883795	+	0	NA	intron (N	(TATC)n|S	5847	NM_001304	123811	Hs.514179	NM_14460(	ENSG0000(	FOPNL	C16orf63|	FGFR1OP N	protein-coding
chr9-1359	8.161453	-0.05398	0.745323	-0.07242	0.942265	0.953183	chr9	1.36E+08	1.36E+08	+	0	NA	Intergeni	MLT1A1|LT	-6263	NM_015447	157922	Hs.522493	NM_015447	ENSG0000(	CAMSAP1	-	calmoduli	protein-coding
chr6-8755	8.188426	-0.05405	0.749537	-0.07211	0.942514	0.953183	chr6	87554259	87554910	+	0	NA	intron (N	AluJr|SIN	35403	NM_02032(	57038	Hs.48591(	NM_02032(	ENSG0000(	RARS2	ArgRS|DAL	arginyl-t	protein-coding
chr1-2239	8.13448	-0.05386	0.747267	-0.07207	0.942544	0.953183	chr1	2.24E+08	2.24E+08	+	0	NA	intron (N	MLT1D|LTR	34500	NR_132119	441124	Hs.520589	NR_132119		GTF2IP20	-	general t	pseudo
chr12-128	8.13448	-0.05386	0.747267	-0.07207	0.942544	0.953183	chr12	12821247	12822982	+	0	NA	intron (N	intron (N	8768	NM_016355	51202	Hs.719938	NM_016355	ENSG0000(	DDX47	E4-DBP|HG	DEAD-box	protein-coding
chr2-9435	8.13448	-0.05386	0.747267	-0.07207	0.942544	0.953183	chr2	9435697	9438653	+	0	NA	intron (N	AluSz|SIN	13521	NM_016207	51692	Hs.515972	NM_016207	ENSG0000(	CPSF3	CPSF-73|C	cleavage	protein-coding
chr4-1025	8.146863	-0.0513	0.748747	-0.06851	0.945381	0.955538	chr4	1.03E+08	1.03E+08	+	0	NA	intron (N	L1PA5|LIN	-68662	NR_136202	1.05E+08	Hs.15833	NR_136202		LOC105377	-	uncharact	ncRNA
chr5-1322	8.146863	-0.0513	0.748747	-0.06851	0.945381	0.955538	chr5	1.32E+08	1.32E+08	+	0	NA	intron (N	intron (N	9755	NM_003687	8572	Hs.424312	NM_003687	ENSG0000(	PDLIM4	RIL	PDZ and L	protein-coding
chr13-445	9.888832	-0.02946	0.643376	-0.04578	0.963482	0.973572	chr13	44556827	44557478	+	0	NA	intron (N	AluSp|SIN	-18744	NR_038381	641467	Hs.624196	NR_038381	ENSG0000(	TSC22D1-A	-	TSC22D1 a	ncRNA
chr9-4099	12.08749	-0.02354	0.529546	-0.04446	0.964536	0.974164	chr9	40998179	41002054	+	0	NA	intron (N	intron (N	7855	NR_15673(	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr16-701	10.06752	0.028221	0.635598	0.0444	0.964585	0.974164	chr16	70159769	70161680	+	0	NA	3’ UTR (N	3’ UTR (N	12724	NR_126007	400541	Hs.461183	NR_126007	ENSG0000(	LOC400541	-	uncharact	ncRNA
chr4-5201	8.348107	0.028015	0.742212	0.037746	0.969891	0.979259	chr4	52013993	52014214	+	0	NA	intron (N	AluSp|SIN	6260	NM_001024	339977	Hs.661450	NM_001024	ENSG0000(	LRRC66	-	leucine r	protein-coding
chr1-8543	8.362698	0.025295	0.735315	0.034401	0.972558	0.981016	chr1	8543741	8543942	+	0	NA	intron (N	intron (N	-48928	NR_132752	1.07E+08		NR_132752		SNORD128	ZL43	small nuc	snoRNA
chr9-4102	8.362698	0.025295	0.735315	0.034401	0.972558	0.981016	chr9	41022985	41025272	+	0	NA	intron (N	intron (N	31867	NR_15673(	1E+08	Hs.231861	NR_034006		FRG1HP	-	FSHD regi	pseudo
chr7-1520	8.389671	0.025114	0.734535	0.03419	0.972725	0.981016	chr7	1.52E+08	1.52E+08	+	0	NA	intron (N	LTR12D|LT	2588	NM_001371468								
chr16-219	9.380408	-0.02242	0.676819	-0.03313	0.973573	0.981016	chr16	21905958	21906250	+	0	NA	Intergeni	AluSx|SIN	-39369	NR_024456	1E+08	Hs.648439	NR_024456		LOC10019(	-	uncharact	ncRNA
chr8-6734	8.350315	0.022873	0.735243	0.03111	0.975182	0.981016	chr8	67340277	67340807	+	0	NA	intron (N	intron (N	3239	NM_006421	10565	Hs.656902	NM_006421	ENSG0000(	ARFGEF1	ARFGEP1|B	ADP ribos	protein-coding
chr1-1129	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr1	1.13E+08	1.13E+08	+	0	NA	intron (N	AluSx1|SI	5192	NR_103744	1.01E+08	Hs.418285	NR_103743	ENSG0000(	SLC16A1-A	-	SLC16A1 a	ncRNA
chr10-740	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr10	74061934	74067072	+	0	NA	intron (N	AluJo|SIN	66387	NM_003373	7414	Hs.643896	NM_003373	ENSG0000(	VCL	CMD1W|CMH	vinculin	protein-coding
chr10-843	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr10	84371397	84372602	+	0	NA	exon (NM_	exon (NM_	43410	NM_018999	54462	Hs.461988	NM_018999	ENSG0000(	CCSER2	FAM190B|(	coiled-cc	protein-coding
chr15-341	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr15	34151069	34155163	+	0	NA	intron (N	intron (N	51033	NM_152595	161779	Hs.156317	NM_152595	ENSG0000(	PGBD4	-	piggyBac	protein-coding
chr15-631	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr15	63123092	63132557	+	0	NA	intron (N	intron (N	5963	NM_171846	114294	Hs.410388	NM_032857	ENSG0000(	LACTB	G24|MRPL5	lactamase	protein-coding
chr17-671	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr17	67198257	67201440	+	0	NA	intron (N	L2a|LINE|	-44928	NR_136398	1.02E+08	Hs.569824	NR_136398		LOC101928	-	uncharact	ncRNA
chr19-525	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr19	52571229	52586951	+	0	NA	intron (N	intron (N	8426	NM_001172	55762	Hs.235167	NM_01826(	ENSG0000(	ZNF701	-	zinc fing	protein-coding
chr22-507	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr22	50788155	50792001	+	0	NA	intron (N	intron (N	6349	NR_026982	284942	Hs.406135	NM_203302		RPL23AP82	RPL23A_43	ribosomal	pseudo
chr4-7806	8.377288	0.02268	0.731941	0.030987	0.97528	0.981016	chr4	7806300	7811248	+	0	NA	intron (N	MSTB|LTR|	54684	NR_026892	84740	Hs.663029	NM_032654	ENSG0000(	AFAP1-AS1	AFAP1-AS|	AFAP1 ant	ncRNA
chr10-920	8.364905	0.020276	0.731872	0.027705	0.977898	0.982785	chr10	92013094	92013302	+	0	NA	intron (N	intron (N	89428	NM_003972	9044	Hs.500526	NM_003972	ENSG0000(	BTAF1	MOT1|TAF(	B-TFIID T	protein-coding
chr1-1840	8.391878	0.020105	0.731862	0.027471	0.978084	0.982785	chr1	1.84E+08	1.84E+08	+	0	NA	intron (N	MSTA|LTR|	3591	NM_00130(	116461	Hs.548197	NM_052965	ENSG0000(	TSEN15	C1orf19|F	tRNA spli	protein-coding
chr14-103	8.391878	0.020105	0.731862	0.027471	0.978084	0.982785	chr14	1.04E+08	1.04E+08	+	0	NA	intron (N	AluSq2|SI	27207	NM_001371231								
chr17-462	8.391878	0.020105	0.731862	0.027471	0.978084	0.982785	chr17	46205114	46211102	+	0	NA	intron (N	AluSx1|SI	14535	NR_034172	644246	Hs.64460(	NR_034172	ENSG0000(	KANSL1-AS	-	KANSL1 ar	ncRNA
chr1-1659	10.55118	0.015475	0.607974	0.025453	0.979694	0.98414	chr1	16591216	16591609	+	0	NA	intron (N	intron (N	22193	NM_01794(	55672	Hs.467587	NM_01794(	ENSG0000(	NBPF1	AB13|AB14	NBPF memb	protein-coding
chr4-7677	9.36361	-0.01595	0.672618	-0.02371	0.981083	0.985272	chr4	76770525	76771972	+	0	NA	intron (N	AluSx|SIN	126896	NM_001029	345079	Hs.257292	NM_001029	ENSG0000(	SOWAHB	ANKRD56	sosondowa	protein-coding
chr2-2017	8.367113	0.015272	0.734252	0.0208	0.983406	0.986937	chr2	2.02E+08	2.02E+08	+	0	NA	intron (N	intron (N	17775	NM_001135	57679	Hs.471096	NM_020919	ENSG0000(	ALS2	ALS2CR6|A	alsin Rho	protein-coding
chr9-4103	9.402966	-0.01398	0.674344	-0.02073	0.983458	0.986937	chr9	41039506	41040509	+	0	NA	TTS (NR_1	TTS (NR_1	34618	NR_002836	595135	Hs.571593	NR_002836	ENSG0000(	PGM5P2	-	phosphogl	pseudo
chr16-294	9.375993	-0.01389	0.672575	-0.02065	0.983527	0.986937	chr16	29455706	29459756	+	0	NA	exon (NM_	exon (NM_	-2155	NM_177552	6818	Hs.460558	NM_003166	ENSG0000(	SULT1A3	HAST|HAST	sulfotran	protein-coding
chr17-461	11.60162	-0.01068	0.552413	-0.01933	0.984574	0.987461	chr17	46168675	46172225	+	0	NA	intron (N	intron (N	22332	NM_001193	284058	Hs.648744	NM_015443	ENSG0000(	KANSL1	CENP-36|K	KAT8 regu	protein-coding
chr3-1957	11.60162	-0.01068	0.552413	-0.01933	0.984574	0.987461	chr3	1.96E+08	1.96E+08	+	0	NA	intron (N	intron (N	-10480	NM_02079(	200958	Hs.308992	NM_02079(	ENSG0000(	MUC20	MUC-20	mucin 20,	protein-coding
chr1-1664	9.359195	-0.00725	0.682684	-0.01062	0.991526	0.994168	chr1	16642414	16642793	+	0	NA	Intergeni	Intergeni	-2971	NR_027504	11209	Hs.34911(	NR_027504		MST1P2	MSPL-1|MS	macrophag	pseudo
chr20-415	8.90251	0.005585	0.706273	0.007908	0.99369	0.996073	chr20	41532824	41533188	+	0	NA	intron (N	intron (N	85371	NM_032221	84181	Hs.740645	NM_032221	ENSG0000(	CHD6	CHD-6|CHD	chromodom	protein-coding
chr14-348	8.890127	0.003312	0.702855	0.004713	0.99624	0.997831	chr14	34804130	34805404	+	0	NA	intron (N	intron (N	-69424	NR_160776	1.12E+08	Hs.50914(	NR_160776		LOC112268	-	uncharact	ncRNA
chr16-295	8.890127	0.003312	0.702855	0.004713	0.99624	0.997831	chr16	29517243	29522123	+	0	NA	Intergeni	HERVH-int	-13809	NM_001355	440353		NM_001355401		NPIPB12	-	nuclear p	protein-coding
chr5-1416	8.890127	0.003312	0.702855	0.004713	0.99624	0.997831	chr5	14162865	14165419	+	0	NA	intron (N	intron (N	20800	NM_007118	7204	Hs.130031	NM_007118	ENSG0000(	TRIO	ARHGEF23|	trio Rho	protein-coding
chr17-432	24.39302	0.00104	0.304289	0.003419	0.997272	0.998599	chr17	43288157	43289120	+	0	NA	Intergeni	AluJb|SIN	-4309	NR_002716	6066		NR_002716	ENSG0000(	RNU2-1	RNU2|U2	RNA, U2 s	snRNA
chr12-717	8.877744	0.001077	0.701727	0.001535	0.998775	0.998775	chr12	71756812	71766496	+	0	NA	intron (N	AluSx1|SI	6791	NM_014999	23011	Hs.52459(	NM_014999	ENSG0000(	RAB21	-	RAB21, me	protein-coding
chr14-305	8.877744	0.001077	0.701727	0.001535	0.998775	0.998775	chr14	30598184	30599202	+	0	NA	intron (N	intron (N	-21336	NR_15172(	1.05E+08	Hs.60398(	NR_15172(	ENSG0000(	G2E3-AS1	CAT1647	G2E3 anti	ncRNA
chr18-325	8.877744	0.001077	0.701727	0.001535	0.998775	0.998775	chr18	3257744	3259100	+	0	NA	intron (N	intron (N	3396	NR_130144	1.05E+08	Hs.464472	NR_130143	ENSG0000(	LOC104968	-	uncharact	ncRNA
chr4-3934	8.877744	0.001077	0.701727	0.001535	0.998775	0.998775	chr4	39349214	39351853	+	0	NA	intron (N	L1MEf|LIN	15829	NM_001363	5981	Hs.507475	NM_002913	ENSG0000(	RFC1	A1|CANVAS	replicati	protein-coding
chr4-1412	8.877744	0.001077	0.701727	0.001535	0.998775	0.998775	chr4	1.41E+08	1.41E+08	+	0	NA	intron (N	intron (N	10274	NM_014487	27309	Hs.120766	NM_014487	ENSG0000(	ZNF330	HSA6591|N	zinc fing	protein-coding

Supplementary Information

Supplementary Table 10. Antibody information for experimental assays.

Antibody	Source and Identifier	Application
Anti-p-ATM	Abways, cat. no. CY5111	IB
Anti-ATM	Abways, cat. no. CY5207	IB
Anti-H3K9me3	Abcam, cat. no. ab8898	IB, IHC, IF
Anti-H3K36me3	ABclonal, cat. no. A2366	IB, IHC, IF
Anti-H3K9me3	Active Motive, cat. no. 39161	ChIP-seq
Anti-H3K36me3	Active Motive, cat. no. 61101	ChIP-seq
Anti-H3K9me2	Cell Signaling Technology, cat. no. 4658	IB
Anti-H3K36me2	Bioss, cat. no. bsm-53020M	IB
Anti-p16	Abways, cat. no. CY5357	IB
Anti-p21	Abways, cat. no. CY5088	IB
Anti-CXCL8	Proteintech, cat. no. 17038-1-AP	IB
Anti-KDM4A	Abways, cat. no. CY8322	IB, IHC, IF
Anti-KDM4A	abcam, cat. no. ab24545	ChIP-PCR
Anti-KDM4B	Cell Signaling Technology, cat. no. 8639	IB, IHC,IF
Anti-KDM4C	Abcam, cat. no. ab85454	IB
Anti-KDM4D	Abcam, cat. no. ab198209	IB
Anti-SUV39H1	Cell Signaling Technology, cat. no. 8729	IB
Anti-HA	Cell Signaling Technology, cat. no. 3724	IB
Anti-Ubiquitin	Abways, cat. no. CY1295	IB
Anti-γH2AX	Cell Signaling Technology, cat. no. 9718	IB, IF
Anti-H2AX	Cell Signaling Technology, cat. no. 7361	IB
Anti-p-53BP1	Santa Cruz, cat. no. sc-135748	IB, IF
Anti-53BP1	Proteintech, cat. no. 20002-1-AP	IB
Anti-p65	Santa Cruz, cat. no. sc-8008	IB
Anti-Histone H3	Cell Signaling Technology, cat. no. 4499	IB
Anti-Caspase 3 (cleaved)	Cell Signaling Technology, cat. no. 9661	IB, IHC
Anti-Caspase 3	Cell Signaling Technology, cat. no. 9662	IB
Anti-GAPDH	Abways, cat. no. AB0037	IB

Note: IB, immunoblot; IHC, immunohistochemistry; IF, immunofluorescence.

Supplementary Information

Supplementary Table 11. Primer sequences for qRT-PCR assays.

Gene name	**Forward (5’-3’)**	**Reverse (5’-3’)**
IL6	TTCTGCGCAGCTTTAAGGAG	AGGTGCCCATGCTACATTTG
CXCL8	ATGACTTCCAAGCTGGCCGTG	TGTGTTGGCGCAGTGTGGTC
IL-1α	AATGACGCCCTCAATCAAAG	TGGGTATCTCAGGCATCTCC
IL-1β	TGGGTATCTCAGGCATCTCC	TTCTGCTTGAGAGGTGCTGA
GM-CSF	ATGTGAATGCCATCCAGGAG	AGGGCAGTGCTGCTTGTAGT
AREG	AGCTGCCTTTATGTCTGCTG	TTTCGTTCCTCAGCTTCTCC
CXCL1	CACCCCAAGAACATCCAAAG	TAACTATGGGGGATGCAGGA
CXCL3	GGAGCACCAACTGACAGGAG	CCTTTCCAGCTGTCCCTAGA
CCL3	TGCAACCAGTTCTCTGCATC	TTTCTGGACCCACTCCTCAC
CCL8	TCACCTGCTGCTTTAACGTG	ATCCCTGACCCATCTCTCCT
MMP1	GGTCTCTGAGGGTCAAGCAG	AGTTCATGAGCTGCAACACG
MMP3	AGGGAACTTGAGCGTGAATC	TCACTTGTCTGTTGCACACG
MMP8	TCTGCAAGGTTATCCCAAGG	CTTGCTGGAAAACTGCATCA
MMP10	GGCTCTTTCACTCAGCCAAC	TCCCGAAGGAACAGATTTTG
SPINK1	CCTTGGCCCTGTTGAGTCTA	GCCCAGATTTTTGAATGAGG
WNT16B	GCTCCTGTGCTGTGAAAACA	TGCATTCTCTGCCTTGTGTC
$p16^{INK4a}$	CTTCCTGGACACGCTGGT	ATCTATGCGGGCATGGTTAC
$P21^{CIP1}$	ATGAAATTCACCCCCTTTCC	CCCTAGGCTGTGCTCACTTC
KDM4A	TGGACTTGGTGGAAAAGGAG	GTCTTCAGTGTGCCAAGCAA
KDM4B	GGACTGACGGCAACCTCTAC	CGTCCTCAAACTCCACCTG
KDM4C	TGCCTGTCGTGTTTTCTCAG	CATGTCGAGCAACTTCAGGA
KDM4D	TTTCCCTATGGCTACCATGC	TCATAGCGTTCAGGTTGCAG
SUV39H1	GTCATGGAGTACGTGGGAGAG	CCTGACGGTCGTAGATCTGG
RPL13A	GTACGCTGTGAAGGCATCAA	CGCTTTTTCTTGTCGTAGGG

Supplementary Information

Supplementary Table 12. Basic characteristics and QC of ChIP-seq libraries (CTRL group).

```
##FastQC                         0.11.9
>>Basic Statistics               pass
#Measure                         Value
Filename                         CTRL-1-3-input_2_val_2.fq.gz
File type                        Conventional base calls
Encoding                         Sanger / Illumina 1.9
Total Sequences                  14693315
Sequences flagged as poor quality        0
Sequence length                  20-150
%GC                                     39
>>END_MODULE
>>Per base sequence quality      pass
#Base                            Mean      Median   Lower Quartile  Upper Quartile  10th Percentile  90th Percentile
                               1  35.7745        37             37              37               37               37
                               2 35.57287        37             37              37               37               37
                               3 35.75874        37             37              37               37               37
                               4 35.76841        37             37              37               37               37
                               5  35.8496        37             37              37               37               37
                               6  35.8214        37             37              37               37               37
                               7 35.79939        37             37              37               37               37
                               8 35.82203        37             37              37               37               37
                               9 35.81694        37             37              37               37               37
                                   35.857        37             37              37               37               37
15-19                            35.84111        37             37              37               37               37
20-24                            35.79981        37             37              37               37               37
25-29                            35.73897        37             37              37               37               37
30-34                            35.69198        37             37              37               37               37
35-39                            35.66943        37             37              37               37               37
40-44                            35.64014        37             37              37               37               37
45-49                            35.57315        37             37              37               37               37
50-54                            35.54193        37             37              37               37               37
55-59                            35.49454        37             37              37               37               37
60-64                            35.45118        37             37              37               37               37
```

```
65-69                           35.40584    37         37         37         37          37
70-74                           35.39193    37         37         37         37          37
75-79                           35.32191    37         37         37       34.6          37
80-84                           35.26352    37         37         37       34.6          37
85-89                           35.28055    37         37         37         37          37
90-94                           35.19622    37         37         37         25          37
95-99                           35.13609    37         37         37         25          37
100-104                         35.09063    37         37         37         25          37
105-109                         35.04995    37         37         37         25          37
110-114                         35.01937    37         37         37         25          37
115-119                         34.98532    37         37         37         25          37
120-124                         34.81667    37         37         37         25          37
125-129                         34.79613    37         37         37         25          37
130-134                          34.8112    37         37         37         25          37
135-139                         34.63038    37         37         37         25          37
140-144                         34.56597    37         37         37         25          37
145-149                          34.5588    37         37         37         25          37
                            150 34.41528    37         37         37         25          37
>>END_MODULE
```

Supplementary Information

Supplementary Table 13. Basic characteristics and QC of ChIP-seq libraries (BLEO group).

```
##FastQC                             0.11.9
>>Basic Statistics                   pass
#Measure                             Value
Filename                             BLEO-2-2-input_2_val_2.fq.gz
File type                            Conventional base calls
Encoding                             Sanger / Illumina 1.9
Total Sequences                       33271794
Sequences flagged as poor quality            0
Sequence length                      20-150
%GC                                         39
>>END_MODULE
>>Per base sequence quality          pass
#Base                                Mean     Median     Lower Quartile Upper Quartile 10th Percentile 90th Percentile
                                   1 35.82588        37             37             37              37              37
                                   2 35.86822        37             37             37              37              37
                                   3 35.99687        37             37             37              37              37
                                   4 35.97876        37             37             37              37              37
                                   5 36.02685        37             37             37              37              37
                                   6  36.0085        37             37             37              37              37
                                   7 35.97396        37             37             37              37              37
                                   8 35.96807        37             37             37              37              37
                                   9 35.95195        37             37             37              37              37
                                     35.98313        37             37             37              37              37
15-19                                36.05518        37             37             37              37              37
20-24                                36.02828        37             37             37              37              37
25-29                                 35.9411        37             37             37              37              37
30-34                                35.90737        37             37             37              37              37
35-39                                35.88251        37             37             37              37              37
40-44                                35.84138        37             37             37              37              37
45-49                                35.77285        37             37             37              37              37
50-54                                35.69475        37             37             37              37              37
55-59                                35.68489        37             37             37              37              37
60-64                                35.66751        37             37             37              37              37
```

```
65-69           35.55309   37   37   37   37     37
70-74           35.55462   37   37   37   37     37
75-79           35.46192   37   37   37   37     37
80-84           35.41105   37   37   37   37     37
85-89           35.37145   37   37   37   37     37
90-94           35.38655   37   37   37   37     37
95-99            35.2612   37   37   37   29.8   37
100-104         35.14181   37   37   37   25     37
105-109         35.09898   37   37   37   25     37
110-114         35.11619   37   37   37   25     37
115-119         34.99176   37   37   37   25     37
120-124          34.8854   37   37   37   25     37
125-129         34.81463   37   37   37   25     37
130-134         34.75972   37   37   37   25     37
135-139         34.60572   37   37   37   25     37
140-144         34.53947   37   37   37   25     37
145-149         34.28972   37   37   37   25     37
            150 34.32601   37   37   37   25     37
>>END_MODULE
```

Supplementary Information

Supplementary Table 14. Basic characteristics and QC of ChIP-seq libraries (BLEO/ML324 group).

```
##FastQC                          0.11.9
>>Basic Statistics                pass
#Measure                          Value
Filename                          BLEO-ML324-3-4-H3K36me3_2_val_2.fq.gz
File type                         Conventional base calls
Encoding                          Sanger / Illumina 1.9
Total Sequences                    24178187
Sequences flagged as poor quality         0
Sequence length                   20-150
%GC                                      42
>>END_MODULE
>>Per base sequence quality       pass
#Base                             Mean     Median   Lower Quartile Upper Quartile 10th Percentile 90th Percentile
                                1 35.47687       37             37             37              37        37
                                2 35.48851       37             37             37              37        37
                                3 35.59955       37             37             37              37        37
                                4 35.54916       37             37             37              37        37
                                5 35.58892       37             37             37              37        37
                                6 35.60606       37             37             37              37        37
                                7 35.61358       37             37             37              37        37
                                8 35.58155       37             37             37              37        37
                                9 35.60267       37             37             37              37        37
                                    35.6411       37             37             37              37        37
15-19                              35.64139       37             37             37              37        37
20-24                              35.60147       37             37             37              37        37
25-29                              35.51056       37             37             37              37        37
30-34                               35.4785       37             37             37              37        37
35-39                                35.458       37             37             37              37        37
40-44                              35.42439       37             37             37              37        37
45-49                              35.31269       37             37             37            34.6        37
50-54                              35.21263       37             37             37            27.4        37
55-59                              35.22509       37             37             37            27.4        37
60-64                              35.21736       37             37             37            27.4        37
```

```
65-69                             35.0841      37             37             37              25        37
70-74                            35.09653      37             37             37              25        37
75-79                            34.96084      37             37             37              25        37
80-84                            34.91946      37             37             37              25        37
85-89                            34.85124      37             37             37              25        37
90-94                            34.86545      37             37             37              25        37
95-99                            34.73031      37             37             37              25        37
100-104                          34.61884      37             37             37              25        37
105-109                          34.58245      37             37             37              25        37
110-114                          34.61261      37             37             37              25        37
115-119                          34.43888      37             37             37              25        37
120-124                           34.3913      37             37             37              25        37
125-129                          34.29534      37             37             37              25        37
130-134                          34.19898      37             37             37              25        37
135-139                          34.04085      37             37             37              25        37
140-144                          33.95945      37             37             37              25        37
145-149                          33.69617      37             37             37              25        37
                         150      33.7233      37             37             37              25        37
>>END_MODULE
```

Supplementary Information

Supplementary Table 15. FastqC output of ChIP-seq libraries (mapping statistics for all).

Modfication	Sample Name	Total Reads	Mapped Reads	% Mapped
None	CTRL-1-1-input	36477776	30693636	84.14%
None	CTRL-1-2-input	36884260	31441905	85.24%
H3K9me3	CTRL-1-1-H3K9me3	44260666	42184447	95.31%
H3K9me3	CTRL-1-2-H3K9me3	51104202	48269305	94.45%
None	CTRL-1-3-input	29386630	27467563	93.47%
None	CTRL-1-4-input	36867136	29086228	78.89%
H3K36me3	CTRL-1-3-H3K36me3	26535286	25394486	95.70%
H3K36me3	CTRL-1-4-H3K36me3	28486164	27626815	96.98%
None	BLEO-2-1-input	59987896	53737650	89.58%
None	BLEO-2-2-input	66543588	60547204	90.99%
H3K9me3	BLEO-2-1-H3K9me3	63076954	61376933	97.30%
H3K9me3	BLEO-2-2-H3K9me3	56499018	54750066	96.90%
None	BLEO-2-3-input	28006786	25085110	89.57%
None	BLEO-2-4-input	33857258	31055106	91.72%
H3K36me3	BLEO-2-3-H3K36me3	37027760	35818900	96.74%
H3K36me3	BLEO-2-4-H3K36me3	40670232	39383872	96.84%
None	BLEO-ML324-3-1-input	43434654	41928500	96.53%
None	BLEO-ML324-3-2-input	48718064	47048384	96.57%
H3K9me3	BLEO-ML324-3-1-H3K9me3	45302648	43662391	96.38%
H3K9me3	BLEO-ML324-3-2-H3K9me3	53378402	51565319	96.60%
None	BLEO-ML324-3-3-input	41647824	40101109	96.29%
None	BLEO-ML324-3-4-input	63531914	60743434	95.61%
H3K36me3	BLEO-ML324-3-3-H3K36me3	52006598	51062341	98.18%
H3K36me3	BLEO-ML324-3-4-H3K36me3	48356374	47514433	98.26%

Supplementary Information

Supplementary Table 16. Primer sequences for ChIP-PCR assays.

Gene name	**Forward (5’-3’)**	**Reverse (5’-3’)**
IL6	GGCAGGAAACTGTCAAGAGC	GCAGACACCAGGCTCTAAGG
CXCL1	ATCCGAGACACAACGCTCTT	TCTGGGATATTCGCCTTCTG
IL-1α	TTGTGATCTTGGGTTGGTCA	ATGTTGGTGGGTGACTGGAT
IL-1β	CCTGTATCCCAAGTCCCAGA	TGATCACAGCAGCCTCAAAC
AREG	ATCTTGGCTCACTGCGATCT	GCAGGTGGATCATCTCAGGT
MMP3	ATCCCTGGGAGGTCAGATTT	GAAAGGGGGAGGAAGATGAG
p16^{INK4a}	CAGCACTTTGGGAGGCTAAG	GAGCAATTCTCCTGCCTCAG
p21^{CIP1}	GGCAGATTCAAGACCTGGAG	AAGTTCTGCCCAGAAGCAAA